

Chemical Analysis Report

SO-DIST-2024-02-21-01

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

Event Description: **2024 SMP: Hendry**
Request ID: **RQ-2024-02-19-52**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
Attn: Nicole Reistad

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Certified by: Marek Topolski, Environmental Administrator

Date Certified: 18-MAR-2024 12:41

A handwritten signature in black ink, appearing to read "Marek Topolski", with a stylized, flowing script.

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: Manuel Branch at Neighborhood Park

Collection Date/Time: 02/20/2024 08:05

Field ID: G1SD0070

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470601	EPA 8270E	Aldrin	0.67	U	ng/L	P442033	
		Alpha-BHC	0.10	U	ng/L	P442033	
		Alpha-Chlordane	0.21	U	ng/L	P442033	
		PCB-1016	2.1	U	ng/L	P442033	
		Beta-BHC	0.10	U	ng/L	P442033	
		PCB-1221	2.1	U	ng/L	P442033	
		Beta-Cyfluthrin	1.3	U	ng/L	P442033	
		PCB-1232	2.1	U	ng/L	P442033	
		Bifenthrin	0.52	U	ng/L	P442033	
		PCB-1242	2.1	U	ng/L	P442033	
		PCB-1248	2.1	U	ng/L	P442033	
		Chlorothalonil	3.7	U	ng/L	P442033	
		PCB-1254	2.1	U	ng/L	P442033	
		Cis-Nonachlor	0.21	U	ng/L	P442033	
		PCB-1260	2.1	U	ng/L	P442033	
		Cypermethrin	1.5	U	ng/L	P442033	
		Dacthal	0.15	U	ng/L	P442033	
		DDD-p,p'	0.26	U	ng/L	P442033	
		DDE-p,p'	0.21	U	ng/L	P442033	
		DDT-p,p'	0.82	U	ng/L	P442033	
		Delta-BHC	0.41	U	ng/L	P442033	
		Deltamethrin	1.3	U	ng/L	P442033	
		Dichlobenil	1.6		ng/L	P442033	
		Dicofol	1.3	U	ng/L	P442033	
		Dieldrin	1.1	I	ng/L	P442033	
		Endosulfan I	0.41	U	ng/L	P442033	
		Endosulfan II	0.93	U	ng/L	P442033	
		Endosulfan Sulfate	0.31	U	ng/L	P442033	
		Endrin	0.93	U	ng/L	P442033	
		Endrin Aldehyde	0.77	U	ng/L	P442033	
		Endrin Ketone	0.41	U	ng/L	P442033	
		Esfenvalerate	0.77	U	ng/L	P442033	
		Ethalfuralin	0.15	U	ng/L	P442033	
		Fenpropathrin	0.26	U	ng/L	P442033	
		Gamma-BHC	0.13	U	ng/L	P442033	
		Gamma-Chlordane	0.21	U	ng/L	P442033	
		Heptachlor	0.21	U	ng/L	P442033	
		Heptachlor Epoxide	0.26	U	ng/L	P442033	
		Hexachlorobenzene**	1.0	U	ng/L	P442033	
		Kepone	14	U	ng/L	P442033	
		Lambda-Cyhalothrin	0.77	U	ng/L	P442033	
		Methoprene	0.77	U	ng/L	P442033	
		Methoxychlor	0.31	U	ng/L	P442033	
		MGK-264	0.21	U	ng/L	P442033	

Field ID: G1SD0070

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470601	EPA 8270E	Mirex	0.36	U	ng/L	P442033	
		Oxychlordane	0.31	U	ng/L	P442033	
		Permethrin	1.6	U	ng/L	P442033	
		Phenothrin	0.93	U	ng/L	P442033	
		Piperonyl Butoxide	0.39	I	ng/L	P442033	
		Prallethrin	2.1	U	ng/L	P442033	
		Tau-Fluvalinate	0.26	U	ng/L	P442033	
		Tetramethrin	0.77	U	ng/L	P442033	
		Trans-Nonachlor	0.21	U	ng/L	P442033	
		Triclosan Methyl	0.15	U	ng/L	P442033	
		Trifluralin	0.21	U	ng/L	P442033	
	EPA 8276	Chlordane	2.1	U	ng/L	P442033	
		Toxaphene	15	U	ng/L	P442033	RPD

Sample Location: Caloosa River Townsend Cnl

Collection Date/Time: 02/20/2024 09:05

Field ID: G3SD0250				Matrix: W-SURF-FRH			
Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470582	DEP SOP: NU-094-1	Color (true)	85		PCU	P441756	
	EPA 180.1 Rev. 2.0	Turbidity	5.3		NTU	P441765	
	EPA 300.0 Rev. 2.1	Chloride	52		mg Cl/L	P442130	
		Sulfate	36		mg SO4/L	P442134	
	SM 2320 B-2011	Total Alkalinity	137		mg CaCO3/L	P442207	
	SM 2540 C-2015	TDS	305		mg/L	P442272	
	SM 2540 D-2015	TSS	7	I	mg/L	P442081	
	SM 4500-F- C-2011	Fluoride	0.21		mg F/L	P442485	MS
2470584	EPA 350.1 Rev. 2.0	Ammonia-N	0.039		mg N/L	P442070	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P441837	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.14		mg N/L	P441980	
	EPA 365.1 Rev. 2.0	Total-P	0.086		mg P/L	P441871	
	SM 5310 B-2014	Organic Carbon	17		mg C/L	P442109	

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

Sample Location: TOWNSEND CANALATCHURCH RD

Collection Date/Time: 02/20/2024 10:20

Field ID: G3SD0221

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470586	DEP SOP: NU-094-1	Color (true)	73		PCU	P441756	
	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P441765	
	EPA 300.0 Rev. 2.1	Chloride	30		mg Cl/L	P442130	
		Sulfate	15		mg SO4/L	P442134	
	SM 2320 B-2011	Total Alkalinity	149		mg CaCO3/L	P442207	
	SM 2540 C-2015	TDS	255		mg/L	P442272	
	SM 2540 D-2015	TSS	2	I	mg/L	P442081	
	SM 4500-F- C-2011	Fluoride	0.17		mg F/L	P442485	MS
2470587	EPA 350.1 Rev. 2.0	Ammonia-N	0.019		mg N/L	P442070	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.84		mg N/L	P441837	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.011		mg N/L	P441980	
	EPA 365.1 Rev. 2.0	Total-P	0.096		mg P/L	P441871	
	SM 5310 B-2014	Organic Carbon	16		mg C/L	P442110	
2470596	EPA 8321B	Aldicarb	0.020	U	ug/L	P441795	
		Aldicarb Sulfone	0.0020	U	ug/L	P441795	
		Aldicarb Sulfoxide	0.0020	UJ	ug/L	P441795	MS
		Carbaryl	0.0020	U	ug/L	P441795	
		Carbofuran	0.0020	U	ug/L	P441795	
		3-Hydroxycarbofuran	0.0020	UJ	ug/L	P441795	MS, RPD
		Methiocarb	0.0020	U	ug/L	P441795	
		Methomyl	0.0020	U	ug/L	P441795	
		Oxamyl	0.0020	U	ug/L	P441795	
		Propoxur	0.0020	U	ug/L	P441795	
2470597		2,4-D	0.0020	U	ug/L	P441664	
		Acesulfame K	0.10	U	ug/L	P441729	
		2,4,5-T	0.0040	U	ug/L	P441664	
		AMPA	0.42		ug/L	P441729	
		Acetaminophen	0.0080	U	ug/L	P441664	
		Acetamiprid	0.052		ug/L	P441664	
		Endothall	0.25	U	ug/L	P441729	
		Glufosinate	0.10	U	ug/L	P441729	
		Glyphosate	0.42		ug/L	P441729	
		Afidopyropen	0.0020	U	ug/L	P441664	
		Bentazon	0.0011	I	ug/L	P441664	
		Sucralose	0.010	U	ug/L	P441729	
		Benzovindiflupyr	0.0020	U	ug/L	P441664	
		Carbamazepine	8.0E-04	U	ug/L	P441664	
		Clothianidin	0.0044	I	ug/L	P441664	
		Dinotefuran	0.0083		ug/L	P441664	
		Diuron	0.0020	U	ug/L	P441664	
		Fenuron	0.032	U	ug/L	P441664	
		Fluridone	8.0E-04	U	ug/L	P441664	
		Imazapyr	0.056		ug/L	P441664	
		Hydrocodone	0.0020	U	ug/L	P441664	

Field ID: G3SD0221

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470597	EPA 8321B	Ibuprofen	0.080	U	ug/L	P441664	
		Imidacloprid	0.046		ug/L	P441664	
		Linuron	0.0040	U	ug/L	P441664	
		Mandestrobin	0.0020	U	ug/L	P441664	
		MCP	0.0020	U	ug/L	P441664	
		Naproxen	0.0080	U	ug/L	P441664	
		Primidone	0.0040	U	ug/L	P441664	
		Pyraclostrobin	0.0020	U	ug/L	P441664	
		Silvex	0.0040	U	ug/L	P441664	
		Thiamethoxam	0.0068	I	ug/L	P441664	
		Tolfenpyrad	0.0020	U	ug/L	P441664	
		Triclopyr	0.0040	U	ug/L	P441664	
2470602	EPA 8270E	Aldrin	0.67	U	ng/L	P442033	
		Alpha-BHC	0.10	U	ng/L	P442033	
		Alpha-Chlordane	0.21	U	ng/L	P442033	
		PCB-1016	2.1	U	ng/L	P442033	
		Beta-BHC	0.10	U	ng/L	P442033	
		PCB-1221	2.1	U	ng/L	P442033	
		Beta-Cyfluthrin	1.3	U	ng/L	P442033	
		PCB-1232	2.1	U	ng/L	P442033	
		Bifenthrin	0.51	U	ng/L	P442033	
		PCB-1242	2.1	U	ng/L	P442033	
		PCB-1248	2.1	U	ng/L	P442033	
		Chlorothalonil	3.7	U	ng/L	P442033	
		PCB-1254	2.1	U	ng/L	P442033	
		Cis-Nonachlor	0.21	U	ng/L	P442033	
		PCB-1260	2.1	U	ng/L	P442033	
		Cypermethrin	1.5	U	ng/L	P442033	
		Dacthal	0.15	U	ng/L	P442033	
		DDD-p,p'	0.26	U	ng/L	P442033	
		DDE-p,p'	0.21	U	ng/L	P442033	
		DDT-p,p'	0.82	U	ng/L	P442033	
		Delta-BHC	0.41	U	ng/L	P442033	
		Deltamethrin	1.3	U	ng/L	P442033	
		Dichlobenil	0.26	U	ng/L	P442033	
		Dicofol	1.3	U	ng/L	P442033	
		Dieldrin	0.41	U	ng/L	P442033	
		Endosulfan I	0.41	U	ng/L	P442033	
		Endosulfan II	0.93	U	ng/L	P442033	
		Endosulfan Sulfate	0.31	U	ng/L	P442033	
		Endrin	0.93	U	ng/L	P442033	
		Endrin Aldehyde	0.77	U	ng/L	P442033	
		Endrin Ketone	0.41	U	ng/L	P442033	
		Esfenvalerate	0.77	U	ng/L	P442033	
		Ethalfuralin	0.15	U	ng/L	P442033	

Field ID: G3SD0221

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470602	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P442033	RPD
		Gamma-BHC	0.13	U	ng/L	P442033	
		Gamma-Chlordane	0.21	U	ng/L	P442033	
		Heptachlor	0.21	U	ng/L	P442033	
		Heptachlor Epoxide	0.26	U	ng/L	P442033	
		Hexachlorobenzene**	1.0	U	ng/L	P442033	
		Kepone	14	U	ng/L	P442033	
		Lambda-Cyhalothrin	0.77	U	ng/L	P442033	
		Methoprene	0.77	U	ng/L	P442033	
		Methoxychlor	0.31	U	ng/L	P442033	
		MGK-264	0.21	U	ng/L	P442033	
		Mirex	0.36	U	ng/L	P442033	
		Oxychlordane	0.31	U	ng/L	P442033	
		Permethrin	1.6	U	ng/L	P442033	
		Phenothrin	0.93	U	ng/L	P442033	
		Piperonyl Butoxide	0.15	U	ng/L	P442033	
		Prallethrin	2.1	U	ng/L	P442033	
		Tau-Fluvalinate	0.26	U	ng/L	P442033	
		Tetramethrin	0.77	U	ng/L	P442033	
		Trans-Nonachlor	0.21	U	ng/L	P442033	
		Triclosan Methyl	0.15	U	ng/L	P442033	
		Trifluralin	0.21	U	ng/L	P442033	
		Chlordane	2.1	U	ng/L	P442033	
		Toxaphene	15	U	ng/L	P442033	
2470603	EPA 8276	Oxybenzone**	10	U	ng/L	P441914	
	EPA 8270E	Acetochlor	0.21	U	ng/L	P441914	
		Octinoxate**	160	U	ng/L	P441914	
		Alachlor	0.41	U	ng/L	P441914	
		Avobenzone**	100	U	ng/L	P441914	
		Ametryn	1.1	U	ng/L	P441914	
		Atrazine	4.9		ng/L	P441914	
		PBDE-47**	4.1	U	ng/L	P441914	
		Atrazine Desethyl	1.3	U	ng/L	P441914	
		PBDE-99**	5.2	U	ng/L	P441914	
		Azinphos Methyl	3.1	U	ng/L	P441914	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P441914	
		Azoxystrobin	1.2E+03		ng/L	P441914	
		Bromacil	18		ng/L	P441914	
		2-Ethylhexyl	12	U	ng/L	P441914	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.47	U	ng/L	P441914	
		Dechlorane Plus**	31	U	ng/L	P441914	
		Caffeine**	9.8	I	ng/L	P441914	
		Dechlorane 602**	5.2	U	ng/L	P441914	
		Carbophenothion	0.52	U	ng/L	P441914	

Field ID: G3SD0221

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470603	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P441914	
		Carfentrazone Ethyl	0.16	U	ng/L	P441914	
		Hexabromobenzene**	6.2	U	ng/L	P441914	
		Chlorfenapyr	0.31	U	ng/L	P441914	
		PBB-153**	6.2	U	ng/L	P441914	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P441914	
		Pentabromotoluene**	3.1	UJ	ng/L	P441914	LCS
		Chlorpyrifos Methyl	0.10	U	ng/L	P441914	
		Tris(2-chloroethyl) phosphate (TCEP)**	57	U	ng/L	P441914	
		Coumaphos	1.1	U	ng/L	P441914	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P441914	
		Cyanazine	5.2	U	ng/L	P441914	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P441914	
		Cyprodinil	9.0		ng/L	P441914	
		Tetradecachloro-m-terphenyl**	7.8	U	ng/L	P441914	
		Demeton	3.6	U	ng/L	P441914	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	62	U	ng/L	P441914	
		Diazinon	0.13	U	ng/L	P441914	
		Difenoconazole	2.6	I	ng/L	P441914	
		Dimethenamid	0.10	U	ng/L	P441914	
		Dimethomorph	0.31	U	ng/L	P441914	
		Disulfoton	0.62	U	ng/L	P441914	
		Dithiopyr	1.0	U	ng/L	P441914	
		EPTC	0.52	U	ng/L	P441914	
		Ethion	0.31	U	ng/L	P441914	
		Ethoprop	0.13	U	ng/L	P441914	
		Etridiazole	0.10	U	ng/L	P441914	
		Fenamiphos	0.47	U	ng/L	P441914	
		Fenbuconazole	0.52	U	ng/L	P441914	
		Fipronil	0.21	U	ng/L	P441914	
		Fipronil Desulfinyl**	0.10	U	ng/L	P441914	
		Fipronil Sulfide	0.10	U	ng/L	P441914	
		Fipronil Sulfone	0.10	U	ng/L	P441914	
		Fluazifop-P-butyl	0.10	U	ng/L	P441914	
		Fludioxonil	1.0		ng/L	P441914	
		Flumioxazin	3.1	U	ng/L	P441914	
		Flutolanil	0.10	U	ng/L	P441914	
		Fluxapyroxad	2.6		ng/L	P441914	
		Fonofos	0.16	UJ	ng/L	P441914	LCS
		Hexazinone	10		ng/L	P441914	
		Imazalil	0.67	U	ng/L	P441914	
		Iprodione	0.52	U	ng/L	P441914	
		Loratadine**	0.31	U	ng/L	P441914	
		Malathion	0.36	U	ng/L	P441914	

Field ID: G3SD0221

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470603	EPA 8270E	Metalaxyl	77		ng/L	P441914	
		Metolachlor	51		ng/L	P441914	
		Metribuzin	1.1	I	ng/L	P441914	
		Mevinphos	1.0	U	ng/L	P441914	
		Molinate	0.26	U	ng/L	P441914	
		Myclobutanil	100		ng/L	P441914	
		Naled	2.6	U	ng/L	P441914	
		Napropamide	0.73	U	ng/L	P441914	
		Norflurazon	120		ng/L	P441914	
		Oxadiazon	0.36	U	ng/L	P441914	
		Oxyfluorfen	0.21	U	ng/L	P441914	
		Parathion Ethyl	0.16	UJ	ng/L	P441914	LCS
		Parathion Methyl	0.21	U	ng/L	P441914	MS
		Pendimethalin	1.8	U	ng/L	P441914	
		Phenytol**	5.5	U	ng/L	P441914	
		Phorate	0.26	U	ng/L	P441914	
		Prodiamine	0.21	U	ng/L	P441914	
		Prometon	3.1	U	ng/L	P441914	
		Prometryn	0.36	U	ng/L	P441914	
		Pronamide	0.10	U	ng/L	P441914	
		Propanil	0.10	U	ng/L	P441914	
		Propargite	0.83	U	ng/L	P441914	
		Propiconazole	0.62	U	ng/L	P441914	
		Pyraflufen Ethyl	0.31	U	ng/L	P441914	
		Pyridaben	1.5	U	ng/L	P441914	
		Pyriproxyfen	0.26	U	ng/L	P441914	
		Simazine	0.26	U	ng/L	P441914	
		Stirophos	0.41	U	ng/L	P441914	
		Sulfentrazone	1.5	U	ng/L	P441914	MS, RPD
		Tebuconazole	1.5	U	ng/L	P441914	
		Terbufos	0.21	UJ	ng/L	P441914	LCS
		Terbutylazine	0.21	U	ng/L	P441914	
		Thiobencarb	0.52	U	ng/L	P441914	
		Triadimefon	0.16	U	ng/L	P441914	

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

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

Sample Location: FB

Collection Date/Time: 02/20/2024 10:30

Field ID: FB_02202024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470588	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P441756	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P441765	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P442130	
		Sulfate	0.20	U	mg SO4/L	P442134	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P442207	
	SM 2540 C-2015	TDS	15	U	mg/L	P442271	
	SM 2540 D-2015	TSS	2	U	mg/L	P442080	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P442485	MS
2470589	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P442070	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P441837	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P441980	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P441871	
	SM 5310 B-2014	Organic Carbon	0.50	U	mg C/L	P442110	
2470598	EPA 8321B	Aldicarb	0.020	U	ug/L	P441795	
		Aldicarb Sulfone	0.0020	U	ug/L	P441795	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P441795	MS
		Carbaryl	0.0020	U	ug/L	P441795	
		Carbofuran	0.0020	U	ug/L	P441795	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P441795	MS, RPD
		Methiocarb	0.0020	U	ug/L	P441795	
		Methomyl	0.0020	U	ug/L	P441795	
		Oxamyl	0.0020	U	ug/L	P441795	
		Propoxur	0.0020	U	ug/L	P441795	
2470599		2,4-D	0.0020	U	ug/L	P441664	
		Acesulfame K	0.10	U	ug/L	P441729	
		2,4,5-T	0.0040	U	ug/L	P441664	
		AMPA	0.10	U	ug/L	P441729	
		Acetaminophen	0.0080	U	ug/L	P441664	
		Acetamiprid	0.0020	U	ug/L	P441664	
		Endothall	0.25	U	ug/L	P441729	
		Glufosinate	0.10	U	ug/L	P441729	
		Glyphosate	0.10	U	ug/L	P441729	
		Afidopyropen	0.0020	U	ug/L	P441664	
		Bentazon	8.0E-04	U	ug/L	P441664	
		Sucralose	0.010	U	ug/L	P441729	
		Benzovindiflupyr	0.0020	U	ug/L	P441664	
		Carbamazepine	8.0E-04	U	ug/L	P441664	
		Clothianidin	0.0020	U	ug/L	P441664	
		Dinotefuran	0.0020	U	ug/L	P441664	
		Diuron	0.0020	U	ug/L	P441664	
		Fenuron	0.032	U	ug/L	P441664	
		Fluridone	8.0E-04	U	ug/L	P441664	
		Imazapyr	0.0040	U	ug/L	P441664	
		Hydrocodone	0.0020	U	ug/L	P441664	

Field ID: FB_02202024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470599	EPA 8321B	Ibuprofen	0.080	U	ug/L	P441664	
		Imidacloprid	0.0020	U	ug/L	P441664	
		Linuron	0.0040	U	ug/L	P441664	
		Mandestrobin	0.0020	U	ug/L	P441664	
		MCP	0.0020	U	ug/L	P441664	
		Naproxen	0.0080	U	ug/L	P441664	
		Primidone	0.0040	U	ug/L	P441664	
		Pyraclostrobin	0.0020	U	ug/L	P441664	
		Silvex	0.0040	U	ug/L	P441664	
		Thiamethoxam	0.0020	U	ug/L	P441664	
		Tolfenpyrad	0.0020	U	ug/L	P441664	
		Triclopyr	0.0040	U	ug/L	P441664	
2470604	EPA 8270E	Aldrin	0.69	U	ng/L	P442033	
		Alpha-BHC	0.11	U	ng/L	P442033	
		Alpha-Chlordane	0.21	U	ng/L	P442033	
		PCB-1016	2.1	U	ng/L	P442033	
		Beta-BHC	0.11	U	ng/L	P442033	
		PCB-1221	2.1	U	ng/L	P442033	
		Beta-Cyfluthrin	1.3	U	ng/L	P442033	
		PCB-1232	2.1	U	ng/L	P442033	
		Bifenthrin	0.53	U	ng/L	P442033	
		PCB-1242	2.1	U	ng/L	P442033	
		PCB-1248	2.1	U	ng/L	P442033	
		Chlorothalonil	3.8	U	ng/L	P442033	
		PCB-1254	2.1	U	ng/L	P442033	
		Cis-Nonachlor	0.21	U	ng/L	P442033	
		PCB-1260	2.1	U	ng/L	P442033	
		Cypermethrin	1.6	U	ng/L	P442033	
		Dacthal	0.16	U	ng/L	P442033	
		DDD-p,p'	0.27	U	ng/L	P442033	
		DDE-p,p'	0.21	U	ng/L	P442033	
		DDT-p,p'	0.85	U	ng/L	P442033	
		Delta-BHC	0.43	U	ng/L	P442033	
		Deltamethrin	1.3	U	ng/L	P442033	
		Dichlobenil	0.27	U	ng/L	P442033	
		Dicofol	1.3	U	ng/L	P442033	
		Dieldrin	0.43	U	ng/L	P442033	
		Endosulfan I	0.43	U	ng/L	P442033	
		Endosulfan II	0.96	U	ng/L	P442033	
		Endosulfan Sulfate	0.32	U	ng/L	P442033	
		Endrin	0.96	U	ng/L	P442033	
		Endrin Aldehyde	0.80	U	ng/L	P442033	
		Endrin Ketone	0.43	U	ng/L	P442033	
		Esfenvalerate	0.80	U	ng/L	P442033	
		Ethalfuralin	0.16	U	ng/L	P442033	

Field ID: FB_02202024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470604	EPA 8270E	Fenpropathrin	0.27	U	ng/L	P442033	RPD
		Gamma-BHC	0.13	U	ng/L	P442033	
		Gamma-Chlordane	0.21	U	ng/L	P442033	
		Heptachlor	0.21	U	ng/L	P442033	
		Heptachlor Epoxide	0.27	U	ng/L	P442033	
		Hexachlorobenzene**	1.1	U	ng/L	P442033	
		Kepone	14	U	ng/L	P442033	
		Lambda-Cyhalothrin	0.80	U	ng/L	P442033	
		Methoprene	0.80	U	ng/L	P442033	
		Methoxychlor	0.32	U	ng/L	P442033	
		MGK-264	0.21	U	ng/L	P442033	
		Mirex	0.37	U	ng/L	P442033	
		Oxychlordane	0.32	U	ng/L	P442033	
		Permethrin	1.7	U	ng/L	P442033	
		Phenothrin	0.96	U	ng/L	P442033	
		Piperonyl Butoxide	0.16	U	ng/L	P442033	
		Prallethrin	2.1	U	ng/L	P442033	
		Tau-Fluvalinate	0.27	U	ng/L	P442033	
		Tetramethrin	0.80	U	ng/L	P442033	
		Trans-Nonachlor	0.21	U	ng/L	P442033	
		Triclosan Methyl	0.16	U	ng/L	P442033	
		Trifluralin	0.21	U	ng/L	P442033	
		Chlordane	2.1	U	ng/L	P442033	
		Toxaphene	16	U	ng/L	P442033	
2470605	EPA 8276	Oxybenzone**	180		ng/L	P441914	
	EPA 8270E	Acetochlor	0.21	U	ng/L	P441914	
		Octinoxate**	160	U	ng/L	P441914	
		Alachlor	0.41	U	ng/L	P441914	
		Avobenzone**	100	U	ng/L	P441914	
		Ametryn	1.1	U	ng/L	P441914	
		Atrazine	0.21	U	ng/L	P441914	
		PBDE-47**	4.1	U	ng/L	P441914	
		Atrazine Desethyl	1.3	U	ng/L	P441914	
		PBDE-99**	5.2	U	ng/L	P441914	
		Azinphos Methyl	3.1	U	ng/L	P441914	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P441914	
		Azoxystrobin	0.41	U	ng/L	P441914	
		Bromacil	0.62	U	ng/L	P441914	
		2-Ethylhexyl	12	U	ng/L	P441914	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.47	U	ng/L	P441914	
		Dechlorane Plus**	31	U	ng/L	P441914	
		Caffeine**	7.8	U	ng/L	P441914	
		Dechlorane 602**	5.2	U	ng/L	P441914	
		Carbophenothion	0.52	U	ng/L	P441914	

Field ID: FB_02202024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470605	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P441914	
		Carfentrazone Ethyl	0.16	U	ng/L	P441914	
		Hexabromobenzene**	6.2	U	ng/L	P441914	
		Chlorfenapyr	0.31	U	ng/L	P441914	
		PBB-153**	6.2	U	ng/L	P441914	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P441914	
		Pentabromotoluene**	3.1	UJ	ng/L	P441914	LCS
		Chlorpyrifos Methyl	0.10	U	ng/L	P441914	
		Tris(2-chloroethyl) phosphate (TCEP)**	57	U	ng/L	P441914	
		Coumaphos	1.1	U	ng/L	P441914	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P441914	
		Cyanazine	5.2	U	ng/L	P441914	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P441914	
		Cyprodinil	0.21	U	ng/L	P441914	
		Tetradecachloro-m-terphenyl**	7.8	U	ng/L	P441914	
		Demeton	3.6	U	ng/L	P441914	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	62	U	ng/L	P441914	
		Diazinon	0.13	U	ng/L	P441914	
		Difenoconazole	0.62	U	ng/L	P441914	
		Dimethenamid	0.10	U	ng/L	P441914	
		Dimethomorph	0.31	U	ng/L	P441914	
		Disulfoton	0.62	U	ng/L	P441914	
		Dithiopyr	1.0	U	ng/L	P441914	
		EPTC	0.52	U	ng/L	P441914	
		Ethion	0.31	U	ng/L	P441914	
		Ethoprop	0.13	U	ng/L	P441914	
		Etridiazole	0.10	U	ng/L	P441914	
		Fenamiphos	0.47	U	ng/L	P441914	
		Fenbuconazole	0.52	U	ng/L	P441914	
		Fipronil	0.21	U	ng/L	P441914	
		Fipronil Desulfinyl**	0.10	U	ng/L	P441914	
		Fipronil Sulfide	0.10	U	ng/L	P441914	
		Fipronil Sulfone	0.10	U	ng/L	P441914	
		Fluazifop-P-butyl	0.10	U	ng/L	P441914	
		Fludioxonil	0.10	U	ng/L	P441914	
		Flumioxazin	3.1	U	ng/L	P441914	
		Flutolanil	0.10	U	ng/L	P441914	
		Fluxapyroxad	0.26	U	ng/L	P441914	
		Fonofos	0.16	UJ	ng/L	P441914	LCS
		Hexazinone	0.52	U	ng/L	P441914	
		Imazalil	0.67	U	ng/L	P441914	
		Iprodione	0.52	U	ng/L	P441914	
		Loratadine**	0.31	U	ng/L	P441914	
		Malathion	0.36	U	ng/L	P441914	

Field ID: FB_02202024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470605	EPA 8270E	Metalaxyl	0.52	U	ng/L	P441914	
		Metolachlor	0.78	U	ng/L	P441914	
		Metribuzin	0.41	U	ng/L	P441914	
		Mevinphos	1.0	U	ng/L	P441914	
		Molinate	0.26	U	ng/L	P441914	
		Myclobutanil	0.36	U	ng/L	P441914	
		Naled	2.6	U	ng/L	P441914	
		Napropamide	0.73	U	ng/L	P441914	
		Norflurazon	1.0	U	ng/L	P441914	
		Oxadiazon	0.36	U	ng/L	P441914	
		Oxyfluorfen	0.21	U	ng/L	P441914	
		Parathion Ethyl	0.16	UJ	ng/L	P441914	LCS
		Parathion Methyl	0.21	U	ng/L	P441914	MS
		Pendimethalin	1.8	U	ng/L	P441914	
		Phenytain**	5.5	U	ng/L	P441914	
		Phorate	0.26	U	ng/L	P441914	
		Prodiamine	0.21	U	ng/L	P441914	
		Prometon	3.1	U	ng/L	P441914	
		Prometryn	0.36	U	ng/L	P441914	
		Pronamide	0.10	U	ng/L	P441914	
		Propanil	0.10	U	ng/L	P441914	
		Propargite	0.83	U	ng/L	P441914	
		Propiconazole	0.62	U	ng/L	P441914	
		Pyraflufen Ethyl	0.31	U	ng/L	P441914	
		Pyridaben	1.5	U	ng/L	P441914	
		Pyriproxyfen	0.26	U	ng/L	P441914	
		Simazine	0.26	U	ng/L	P441914	
		Stirophos	0.41	U	ng/L	P441914	
		Sulfentrazone	1.5	U	ng/L	P441914	MS, RPD
		Tebuconazole	1.5	U	ng/L	P441914	
		Terbufos	0.21	UJ	ng/L	P441914	LCS
		Terbutylazine	0.21	U	ng/L	P441914	
		Thiobencarb	0.52	U	ng/L	P441914	
		Triadimefon	0.16	U	ng/L	P441914	

Ref. Method and Comment:
EPA 8270E: Results confirmed by re-extraction. Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FORTSIMMONSBRANCHATSR80

Collection Date/Time: 02/20/2024 09:45

Field ID: G3SD0230					Matrix: W-SURF-FRH		
Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2470583	DEP SOP: NU-094-1	Color (true)	55		PCU	P441756	
	EPA 180.1 Rev. 2.0	Turbidity	6.3		NTU	P441765	
	EPA 300.0 Rev. 2.1	Chloride	63		mg Cl/L	P442130	
		Sulfate	67		mg SO4/L	P442134	
	SM 2320 B-2011	Total Alkalinity	209		mg CaCO3/L	P442207	
	SM 2540 C-2015	TDS	447	A	mg/L	P442272	
	SM 2540 D-2015	TSS	4	IA	mg/L	P442081	
	SM 4500-F- C-2011	Fluoride	0.33		mg F/L	P442485	MS
2470585	EPA 350.1 Rev. 2.0	Ammonia-N	0.035		mg N/L	P442070	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.60		mg N/L	P441837	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.022		mg N/L	P441980	
	EPA 365.1 Rev. 2.0	Total-P	0.058		mg P/L	P441871	
	SM 5310 B-2014	Organic Carbon	11		mg C/L	P442109	

Ref. Method and Comment:
SM 2540 D-2015: 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: P441756

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P441765

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442130

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442134

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P442070

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441837

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P441980

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P441871

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

Reference Method: EPA 8270E
Batch ID: P441914

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P441914

Component	Result	Code	Units
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	140	I	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.45	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P441914

Component	Result	Code	Units
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	6.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.7	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	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
Terbuthylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	25	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	55	U	ng/L

Reference Method: EPA 8270E

Batch ID: P442033

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P442033

Component	Result	Code	Units
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8276

Batch ID: P442033

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

Reference Method: EPA 8321B

Batch ID: P441664

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

Reference Method: EPA 8321B

Batch ID: P441729

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

Reference Method: EPA 8321B

Batch ID: P441795

Component	Result	Code	Units
3-Hydroxycarbofuran	0.0020	U	ug/L
Aldicarb	0.020	U	ug/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P441795

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

Reference Method: SM 2320 B-2011
Batch ID: P442207

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

Reference Method: SM 2540 C-2015
Batch ID: P442271

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2015
Batch ID: P442272

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P442080

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P442081

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P442485

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P442109

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 5310 B-2014
Batch ID: P442110

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: P441756

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P441765

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442130

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442134

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P442070

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441837

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	97.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P441980

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P441871

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	98.2		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P441914

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	54.4		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	70.1		P	37 - 154
Acetochlor	83.2		P	64 - 124
Alachlor	81.1		P	61 - 118

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P441914

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ametryn	99.4		P	47 - 158
Atrazine	70.3		P	68 - 121
Atrazine Desethyl	91.3		P	30 - 119
Avobenzone	101		P	48 - 193
Azinphos Methyl	103		P	30 - 194
Azoxystrobin	92.8		P	58 - 154
Bromacil	104		P	47 - 126
Butylate	41.8		P	31 - 83.0
Caffeine	68.6		P	10 - 180
Carbophenothion	81.5		P	59 - 133
Carfentrazone Ethyl	86.7		P	59 - 147
Chlorfenapyr	80.5		P	52 - 118
Chlorpyrifos Ethyl	79.4		P	59 - 119
Chlorpyrifos Methyl	76.2		P	65 - 123
Coumaphos	80.3		P	11 - 223
Cyanazine	183		P	63 - 250
Cyprodinil	73.7		P	52 - 143
Dechlorane 602	55.7		P	23 - 142
Dechlorane 603	70.4		P	51 - 171
Dechlorane Plus	70.3		P	46 - 161
Demeton	54.4		P	42 - 119
Diazinon	95.3		P	67 - 132
Difenoconazole	99.9		P	12 - 204
Dimethenamid	61.9		P	53 - 113
Dimethomorph	119		P	13 - 238
Disulfoton	91.1		P	56 - 126
Dithiopyr	93.5		P	58 - 127
EPTC	33.5		P	31 - 78.0
Ethion	56.9		P	24 - 127
Ethoprop	65.5		P	60 - 118
Etridiazole	55.1		P	32 - 91.0
Fenamiphos	67.4		P	54 - 129
Fenbuconazole	87.1		P	31 - 162
Fipronil	85.0		P	56 - 131
Fipronil Desulfinyl	97.8		P	58 - 132
Fipronil Sulfide	75.9		P	51 - 123
Fipronil Sulfone	69.5		P	50 - 125
Fluazifop-P-butyl	106		P	52 - 132
Fludioxonil	65.6		P	52 - 129
Flumioxazin	97.6		P	34 - 250
Flutolanil	86.3		P	45 - 128
Fluxapyroxad	67.2		P	31 - 150
Fonofos	58.4		F	60 - 116
Hexabromobenzene	62.9		P	52 - 165
Hexazinone	70.2		P	59 - 120
Imazalil	87.6		P	39 - 134
Iprodione	89.0		P	39 - 243
Loratadine	117		P	10 - 240
Malathion	79.5		P	53 - 145
Metalaxyl	79.8		P	59 - 120
Metolachlor	69.2		P	64 - 122
Metribuzin	84.7		P	33 - 128

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P441914

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Mevinphos	65.9		P	48 - 119
Molinate	42.2		P	42 - 89.0
Myclobutanil	86.3		P	54 - 129
Naled	59.1		P	10 - 138
Napropamide	69.8		P	40 - 122
Norflurazon	94.6		P	49 - 132
Octinoxate	63.4		P	29 - 176
Oxadiazon	61.8		P	50 - 115
Oxybenzone	62.0		P	45 - 145
Oxyfluorfen	97.6		P	62 - 149
Parathion Ethyl	62.5		F	68 - 119
Parathion Methyl	70.0		P	68 - 147
PBB-153	71.6		P	42 - 179
PBDE-47	65.4		P	44 - 141
PBDE-99	71.7		P	36 - 141
Pendimethalin	86.3		P	59 - 158
Pentabromotoluene	56.3		F	58 - 148
Phenytoin	30.2		P	10 - 151
Phorate	67.6		P	44 - 124
Prodiamine	66.6		P	10 - 136
Prometon	76.6		P	45 - 131
Prometryn	88.8		P	52 - 140
Pronamide	87.8		P	70 - 129
Propanil	82.8		P	54 - 144
Propargite	49.1		P	10 - 191
Propiconazole	59.6		P	49 - 128
Pyraflufen Ethyl	73.6		P	46 - 141
Pyridaben	106		P	29 - 198
Pyriproxyfen	65.0		P	33 - 221
Simazine	68.5		P	62 - 119
Stirophos	67.7		P	13 - 144
Sulfentrazone	69.3		P	12 - 152
Tebuconazole	47.6		P	10 - 135
Terbufos	62.3		F	67 - 136
Terbuthylazine	70.0		P	66 - 113
Tetradecachloro-m-terphenyl	62.0		P	30 - 235
Thiobencarb	101		P	51 - 125
Tri-o-cresyl Phosphate	77.2		P	50 - 150
Triadimefon	75.1		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	64.2		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	74.6		P	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	72.3		P	59 - 166

Reference Method: EPA 8270E
Batch ID: P442033

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	32.8		P	30 - 96.0
Alpha-BHC	71.8		P	70 - 109
Alpha-Chlordane	51.7		P	45 - 107
Beta-BHC	79.8		P	64 - 138
Beta-Cyfluthrin	35.3		P	17 - 141

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P442033

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Bifenthrin	25.5		P	10 - 113
Chlorothalonil	50.1		P	26 - 180
Cis-Nonachlor	41.4		P	37 - 102
Cypermethrin	36.1		P	20 - 133
Dacthal	77.2		P	69 - 114
DDD-p,p'	47.1		P	42 - 105
DDE-p,p'	53.7		P	42 - 106
DDT-p,p'	45.6		P	42 - 107
Delta-BHC	68.1		P	67 - 144
Deltamethrin	39.6		P	15 - 149
Dichlobenil	51.3		P	46 - 117
Dicofol	46.7		P	34 - 114
Dieldrin	60.3		P	50 - 108
Endosulfan I	61.5		P	55 - 104
Endosulfan II	71.4		P	51 - 111
Endosulfan Sulfate	84.2		P	56 - 121
Endrin	48.3		P	10 - 106
Endrin Aldehyde	59.9		P	34 - 114
Endrin Ketone	88.8		P	63 - 177
Esfenvalerate	33.3		P	29 - 143
Ethalfuralin	47.6		P	46 - 96.0
Fenpropathrin	43.8		P	28 - 115
Gamma-BHC	70.7		P	65 - 121
Gamma-Chlordane	48.8		P	39 - 103
Heptachlor	42.9		P	39 - 94.0
Heptachlor Epoxide	60.7		P	54 - 104
Hexachlorobenzene	41.1		P	36 - 100
Kepone	69.5		P	10 - 225
Lambda-Cyhalothrin	36.6		P	10 - 135
Methoprene	30.6		P	10 - 109
Methoxychlor	63.5		P	52 - 112
MGK-264	54.3		P	44 - 117
Mirex	25.7		P	20 - 90.0
Oxychlordane	49.3		P	44 - 102
PCB-1016	51.2		P	45 - 107
PCB-1260	55.3		P	40 - 118
Permethrin	29.8		P	18 - 135
Phenothrin	27.7		P	10 - 102
Piperonyl Butoxide	62.9		P	28 - 156
Prallethrin	43.8		P	28 - 113
Tau-Fluvalinate	29.1		P	10 - 123
Tetramethrin	53.7		P	18 - 158
Trans-Nonachlor	48.4		P	39 - 104
Triclosan Methyl	54.0		P	54 - 108
Trifluralin	48.5		P	46 - 97.0

Reference Method: EPA 8276
Batch ID: P442033

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	72.8		P	43 - 123
Toxaphene	71.7		P	27 - 156

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P441664

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	111		P	40 - 150
2,4,5-T	98.6		P	40 - 150
Acetaminophen	81.5		P	30 - 150
Acetamiprid	73.9		P	40 - 150
Afidopyropen	58.5		P	30 - 150
Bentazon	103		P	30 - 150
Benzovindiflupyr	82.2		P	40 - 150
Carbamazepine	84.4		P	40 - 150
Clothianidin	88.0		P	40 - 150
Dinotefuran	97.3		P	40 - 150
Diuron	88.5		P	40 - 150
Fenuron	91.1		P	40 - 150
Fluridone	92.9		P	40 - 150
Hydrocodone	88.2		P	40 - 150
Ibuprofen	63.5		P	40 - 150
Imazapyr	101		P	40 - 150
Imidacloprid	87.7		P	40 - 150
Linuron	84.9		P	40 - 150
Mandestrobin	75.9		P	40 - 150
MCPP	90.2		P	40 - 150
Naproxen	101		P	40 - 150
Primidone	82.9		P	40 - 150
Pyraclostrobin	82.4		P	40 - 150
Silvex	100		P	40 - 150
Thiamethoxam	86.7		P	40 - 150
Tolfenpyrad	51.2		P	30 - 150
Triclopyr	103		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P441729

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	96.5		P	40 - 160
AMPA	106		P	40 - 160
Endothall	93.6		P	40 - 160
Glufosinate	90.6		P	40 - 160
Glyphosate	102		P	40 - 160
Sucralose	99.2		P	40 - 160

Reference Method: EPA 8321B
Batch ID: P441795

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	81.4		P	40 - 150
Aldicarb	84.4		P	30 - 150
Aldicarb Sulfone	87.1		P	40 - 150
Aldicarb Sulfoxide	98.1		P	40 - 150
Carbaryl	77.9		P	40 - 150
Carbofuran	78.6		P	40 - 150
Methiocarb	68.0		P	40 - 150
Methomyl	86.4		P	40 - 150
Oxamyl	86.6		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P441795

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propoxur	71.9		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P442207

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.1		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P442271

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	93.2		P	85 - 115

Reference Method: SM 2540 C-2015
Batch ID: P442272

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

Reference Method: SM 2540 D-2015
Batch ID: P442080

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	104		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P442081

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	97.6		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P442485

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	105		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P442109

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.9		P	85 - 115

Reference Method: SM 5310 B-2014
Batch ID: P442110

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

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442130

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470376	Chloride	105		P	90 - 110
2470549	Chloride	104		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442134

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470376	Sulfate	103		P	90 - 110
2470549	Sulfate	104		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P442070

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470565	Ammonia-N	93.6	96.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441837

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470587	Kjeldahl Nitrogen	106	98.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P441980

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470584	NO2NO3-N	99.0	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P441871

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470622	Total-P	100	102	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P441914

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470412	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	63.7	54.6	P/P	50 - 150
2470412	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	60.7	67.2	P/P	29 - 155
2470412	Acetochlor	78.5	84.7	P/P	60 - 124
2470412	Alachlor	74.5	76.1	P/P	54 - 122
2470412	Ametryn	88.8	97.1	P/P	51 - 208
2470412	Atrazine	74.7	75.9	P/P	57 - 131
2470412	Atrazine Desethyl	112	97.4	P/P	13 - 124
2470412	Avobenzone	93.8	77.4	P/P	35 - 187
2470412	Azinphos Methyl	87.7	112	P/P	43 - 276
2470412	Azoxystrobin	95.0	90.8	P/P	52 - 300
2470412	Bromacil	89.9	97.4	P/P	44 - 134
2470412	Butylate	54.0	41.2	P/P	23 - 82.0
2470412	Caffeine	101	93.7	P/P	10 - 277
2470412	Carbophenothion	74.7	100	P/P	47 - 135

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P441914

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470412	Carfentrazone Ethyl	81.0	108	P/P	46 - 147
2470412	Chlorfenapyr	80.9	85.8	P/P	43 - 114
2470412	Chlorpyrifos Ethyl	73.7	75.8	P/P	47 - 124
2470412	Chlorpyrifos Methyl	74.4	78.5	P/P	60 - 135
2470412	Coumaphos	71.4	67.7	P/P	10 - 222
2470412	Cyanazine	199	181	P/P	10 - 257
2470412	Cyprodinil	75.1	69.1	P/P	42 - 148
2470412	Dechlorane 602	61.4	57.9	P/P	14 - 133
2470412	Dechlorane 603	77.5	64.0	P/P	18 - 191
2470412	Dechlorane Plus	65.0	62.5	P/P	23 - 154
2470412	Demeton	61.2	56.3	P/P	41 - 137
2470412	Diazinon	87.9	91.2	P/P	64 - 139
2470412	Difenoconazole	79.3	114	P/P	46 - 254
2470412	Dimethenamid	66.9	68.3	P/P	47 - 117
2470412	Dimethomorph	120	141	P/P	14 - 255
2470412	Disulfoton	89.0	91.4	P/P	52 - 130
2470412	Dithiopyr	98.5	82.9	P/P	40 - 121
2470412	EPTC	44.8	30.1	P/P	19 - 78.0
2470412	Ethion	58.5	71.5	P/P	12 - 124
2470412	Ethoprop	77.7	74.6	P/P	68 - 144
2470412	Etridiazole	56.7	49.8	P/P	26 - 96.0
2470412	Fenamiphos	98.3	101	P/P	41 - 129
2470412	Fenbuconazole	65.6	84.6	P/P	26 - 169
2470412	Fipronil	82.6	83.7	P/P	46 - 145
2470412	Fipronil Desulfinyl	82.8	95.3	P/P	47 - 136
2470412	Fipronil Sulfide	77.0	71.3	P/P	41 - 127
2470412	Fipronil Sulfone	66.6	61.2	P/P	35 - 133
2470412	Fluazifop-P-butyl	85.9	60.9	P/P	46 - 131
2470412	Fludioxonil	70.8	70.8	P/P	51 - 124
2470412	Flumioxazin	76.8	88.1	P/P	10 - 289
2470412	Flutolanil	103	93.8	P/P	34 - 130
2470412	Fluxapyroxad	55.4	63.9	P/P	10 - 197
2470412	Fonofos	70.7	67.6	P/P	42 - 131
2470412	Hexabromobenzene	66.2	64.9	P/P	47 - 178
2470412	Hexazinone	77.2	75.9	P/P	64 - 125
2470412	Imazalil	97.1	92.3	P/P	37 - 252
2470412	Iprodione	62.4	77.0	P/P	34 - 265
2470412	Loratadine	88.0	123	P/P	20 - 231
2470412	Malathion	74.2	79.0	P/P	34 - 164
2470412	Metalaxyl	71.2	77.7	P/P	49 - 125
2470412	Metolachlor	81.5	70.7	P/P	54 - 125
2470412	Metribuzin	86.2	80.9	P/P	51 - 139
2470412	Mevinphos	75.0	71.3	P/P	46 - 130
2470412	Molinate	52.5	42.0	P/P	39 - 93.0
2470412	Myclobutanil	75.7	81.9	P/P	50 - 130
2470412	Naled	43.6	51.3	P/P	10 - 150
2470412	Napropamide	67.9	84.1	P/P	10 - 109
2470412	Norflurazon	71.4	95.9	P/P	36 - 134
2470412	Octinoxate	73.2	62.8	P/P	18 - 170
2470412	Oxadiazon	60.6	61.7	P/P	43 - 112
2470412	Oxybenzone	80.1	66.1	P/P	33 - 154
2470412	Oxyfluorfen	109	113	P/P	62 - 154

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P441914

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470412	Parathion Ethyl	71.4	73.7	P/P	65 - 120
2470412	Parathion Methyl	65.5	77.8	F/P	77 - 185
2470412	PBB-153	62.0	67.6	P/P	23 - 193
2470412	PBDE-47	75.5	67.6	P/P	31 - 139
2470412	PBDE-99	73.3	68.3	P/P	24 - 138
2470412	Pendimethalin	101	95.2	P/P	50 - 146
2470412	Pentabromotoluene	62.0	58.1	P/P	54 - 152
2470412	Phenytoin	29.7	43.8	P/P	10 - 157
2470412	Phorate	115	112	P/P	54 - 161
2470412	Prodiamine	68.3	64.9	P/P	29 - 160
2470412	Prometon	84.6	85.6	P/P	38 - 145
2470412	Prometryn	111	96.6	P/P	32 - 151
2470412	Pronamide	87.5	94.1	P/P	61 - 140
2470412	Propanil	133	142	P/P	50 - 147
2470412	Propargite	39.5	50.8	P/P	10 - 190
2470412	Propiconazole	56.0	56.8	P/P	30 - 146
2470412	Pyraflufen Ethyl	51.5	66.2	P/P	30 - 147
2470412	Pyridaben	92.1	95.5	P/P	15 - 195
2470412	Pyriproxyfen	58.5	73.9	P/P	31 - 218
2470412	Simazine	76.6	72.0	P/P	45 - 139
2470412	Stirophos	66.8	61.1	P/P	10 - 134
2470412	Sulfentrazone	29.7	72.7	F/P	53 - 186
2470412	Tebuconazole	44.1	46.8	P/P	10 - 133
2470412	Terbufos	75.6	66.3	P/P	65 - 151
2470412	Terbutylazine	71.6	73.0	P/P	62 - 117
2470412	Tetradecachloro-m-terphenyl	73.6	63.8	P/P	10 - 260
2470412	Thiobencarb	86.5	89.3	P/P	48 - 122
2470412	Tri-o-cresyl Phosphate	91.3	75.2	P/P	32 - 151
2470412	Triadimefon	75.6	87.6	P/P	46 - 124
2470412	Tris(1-chloro-2-propyl) phosphate (TCPP)	73.6	64.3	P/P	51 - 154
2470412	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	85.7	75.3	P/P	59 - 147
2470412	Tris(2-chloroethyl) phosphate (TCEP)	79.2	76.8	P/P	65 - 156

Reference Method: EPA 8270E

Batch ID: P442033

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470483	Aldrin	43.8	43.8	P/P	24 - 81.0
2470483	Alpha-BHC	74.9	72.2	P/P	65 - 110
2470483	Alpha-Chlordane	67.0	65.6	P/P	43 - 119
2470483	Beta-BHC	88.2	84.5	P/P	54 - 165
2470483	Beta-Cyfluthrin	63.5	63.6	P/P	27 - 165
2470483	Bifenthrin	42.3	48.5	P/P	17 - 117
2470483	Chlorothalonil	49.8	54.0	P/P	10 - 255
2470483	Cis-Nonachlor	50.5	52.2	P/P	34 - 98.0
2470483	Cypermethrin	60.9	64.7	P/P	25 - 143
2470483	Dacthal	78.2	76.7	P/P	55 - 139
2470483	DDD-p,p'	54.1	55.4	P/P	30 - 109
2470483	DDE-p,p'	66.2	65.1	P/P	35 - 106
2470483	DDT-p,p'	53.6	52.7	P/P	41 - 101
2470483	Delta-BHC	77.8	76.1	P/P	58 - 165
2470483	Deltamethrin	76.3	80.0	P/P	10 - 194

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P442033

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470483	Dichlobenil	49.1	49.2	P/P	22 - 114
2470483	Dicofol	51.9	52.1	P/P	17 - 133
2470483	Dieldrin	69.5	67.1	P/P	45 - 129
2470483	Endosulfan I	71.8	71.0	P/P	49 - 104
2470483	Endosulfan II	83.1	75.6	P/P	37 - 117
2470483	Endosulfan Sulfate	81.6	72.9	P/P	38 - 128
2470483	Endrin	54.2	57.3	P/P	35 - 116
2470483	Endrin Aldehyde	62.2	61.7	P/P	19 - 108
2470483	Endrin Ketone	92.1	88.2	P/P	44 - 134
2470483	Esfenvalerate	67.4	69.0	P/P	27 - 176
2470483	Ethalfuralin	50.4	50.9	P/P	49 - 100
2470483	Fenpropathrin	59.6	61.9	P/P	34 - 117
2470483	Gamma-BHC	72.2	70.7	P/P	59 - 129
2470483	Gamma-Chlordane	62.0	61.2	P/P	33 - 107
2470483	Heptachlor	51.9	49.7	P/P	37 - 94.0
2470483	Heptachlor Epoxide	69.4	67.3	P/P	38 - 118
2470483	Hexachlorobenzene	51.6	49.7	P/P	35 - 97.0
2470483	Kepone	135	125	P/P	10 - 221
2470483	Lambda-Cyhalothrin	66.0	65.7	P/P	23 - 190
2470483	Methoprene	42.7	43.8	P/P	21 - 109
2470483	Methoxychlor	69.9	70.2	P/P	46 - 118
2470483	MGK-264	61.8	61.5	P/P	39 - 122
2470483	Mirex	39.2	44.2	P/P	25 - 90.0
2470483	Oxychlordane	62.8	58.0	P/P	42 - 100
2470483	Permethrin	51.1	52.8	P/P	33 - 181
2470483	Phenothrin	44.5	50.1	P/P	12 - 125
2470483	Piperonyl Butoxide	67.0	75.5	P/P	10 - 178
2470483	Prallethrin	54.8	44.1	P/P	24 - 122
2470483	Tau-Fluvalinate	57.6	60.3	P/P	13 - 151
2470483	Tetramethrin	66.3	64.8	P/P	16 - 172
2470483	Trans-Nonachlor	62.6	62.0	P/P	39 - 100
2470483	Triclosan Methyl	59.1	60.7	P/P	43 - 110
2470483	Trifluralin	55.8	55.1	P/P	45 - 94.0
2470568	PCB-1016	63.5	62.0	P/P	45 - 107
2470568	PCB-1260	63.3	61.4	P/P	40 - 112

Reference Method: EPA 8276
Batch ID: P442033

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470568	Chlordane	73.9	81.0	P/P	43 - 123
2470568	Toxaphene	70.9	99.7	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P441664

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2469574	2,4-D	71.9	73.9	P/P	40 - 150
2469574	2,4,5-T	75.2	74.6	P/P	40 - 150
2469574	Acetaminophen	62.4	73.0	P/P	30 - 150
2469574	Acetamiprid	43.8	50.3	P/P	40 - 150
2469574	Afidopyropen	56.1	57.8	P/P	30 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P441664

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2469574	Bentazon	51.7	51.6	P/P	30 - 150
2469574	Benzovindiflupyr	85.4	79.7	P/P	40 - 150
2469574	Carbamazepine	67.9	64.4	P/P	40 - 150
2469574	Clothianidin	61.2	61.3	P/P	40 - 150
2469574	Dinotefuran	53.4	61.5	P/P	40 - 150
2469574	Diuron	65.2	65.5	P/P	40 - 150
2469574	Fenuron	53.4	54.4	P/P	40 - 150
2469574	Fluridone	76.4	71.1	P/P	40 - 150
2469574	Hydrocodone	52.1	54.8	P/P	40 - 150
2469574	Ibuprofen	65.8	59.0	P/P	40 - 150
2469574	Imazapyr	95.5	87.2	P/P	40 - 150
2469574	Imidacloprid	67.1	68.1	P/P	40 - 150
2469574	Linuron	71.2	67.3	P/P	40 - 150
2469574	Mandestrobin	78.8	75.0	P/P	40 - 150
2469574	MCPP	75.0	70.0	P/P	40 - 150
2469574	Naproxen	89.5	76.3	P/P	40 - 150
2469574	Primidone	72.5	75.2	P/P	40 - 150
2469574	Pyraclostrobin	82.5	78.4	P/P	40 - 150
2469574	Silvex	79.0	77.2	P/P	40 - 150
2469574	Thiamethoxam	53.3	55.4	P/P	40 - 150
2469574	Tolfenpyrad	46.4	51.1	P/P	30 - 150
2469574	Triclopyr	75.0	74.2	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P441729

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470408	Acesulfame K	97.3	99.1	P/P	40 - 160
2470408	AMPA	101	102	P/P	40 - 160
2470408	Endothall	117	117	P/P	40 - 160
2470408	Glufosinate	97.3	97.1	P/P	40 - 160
2470408	Glyphosate	104	103	P/P	40 - 160
2470408	Sucralose	99.0	97.4	P/P	40 - 160

Reference Method: EPA 8321B
Batch ID: P441795

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470596	3-Hydroxycarbofuran	23.1	65.2	F/P	40 - 150
2470596	Aldicarb	59.4	59.5	P/P	30 - 150
2470596	Aldicarb Sulfone	68.1	67.6	P/P	40 - 150
2470596	Aldicarb Sulfoxide	30.0	30.8	F/F	40 - 150
2470596	Carbaryl	64.4	72.6	P/P	40 - 150
2470596	Carbofuran	64.5	69.2	P/P	40 - 150
2470596	Methiocarb	59.8	68.2	P/P	40 - 150
2470596	Methomyl	67.6	67.8	P/P	40 - 150
2470596	Oxamyl	71.1	70.3	P/P	40 - 150
2470596	Propoxur	63.9	66.0	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P442485

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470419	Fluoride	105	107	P/F	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P442109

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470584	Organic Carbon	102	101	P/P	85 - 115

Reference Method: SM 5310 B-2014
Batch ID: P442110

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2470587	Organic Carbon	97.8	102	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P441756

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470450	Color (true)	11.5	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P441765

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470379	Turbidity	3.69	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442130

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470376	Chloride	0.929	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P442134

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470376	Sulfate	0.684	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P442070

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470565	Ammonia-N	1.93	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441837

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470587	Kjeldahl Nitrogen	4.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P441980

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470584	NO2NO3-N	0.585	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P441871

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470622	Total-P	1.27	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P441914

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470412	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	15.3	Spike	P	0 - 30
2470412	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	10.1	Spike	P	0 - 35
2470412	Acetochlor	7.66	Spike	P	0 - 28
2470412	Alachlor	2.12	Spike	P	0 - 30
2470412	Ametryn	8.97	Spike	P	0 - 32
2470412	Atrazine	1.50	Spike	P	0 - 33
2470412	Atrazine Desethyl	13.7	Spike	P	0 - 36
2470412	Avobenzone	19.1	Spike	P	0 - 35
2470412	Azinphos Methyl	24.6	Spike	P	0 - 62
2470412	Azoxystrobin	4.48	Spike	P	0 - 39
2470412	Bromacil	7.98	Spike	P	0 - 33
2470412	Butylate	26.8	Spike	P	0 - 51
2470412	Caffeine	7.33	Spike	P	0 - 100
2470412	Carbophenothion	29.4	Spike	P	0 - 34
2470412	Carfentrazone Ethyl	28.9	Spike	P	0 - 33
2470412	Chlorfenapyr	5.86	Spike	P	0 - 28
2470412	Chlorpyrifos Ethyl	2.82	Spike	P	0 - 31
2470412	Chlorpyrifos Methyl	5.38	Spike	P	0 - 27
2470412	Coumaphos	5.25	Spike	P	0 - 62
2470412	Cyanazine	9.73	Spike	P	0 - 48
2470412	Cyprodinil	8.28	Spike	P	0 - 29
2470412	Dechlorane 602	5.96	Spike	P	0 - 60
2470412	Dechlorane 603	19.2	Spike	P	0 - 40
2470412	Dechlorane Plus	3.82	Spike	P	0 - 38
2470412	Demeton	8.26	Spike	P	0 - 33
2470412	Diazinon	3.73	Spike	P	0 - 32
2470412	Difenoconazole	35.8	Spike	P	0 - 71
2470412	Dimethenamid	2.09	Spike	P	0 - 60
2470412	Dimethomorph	16.2	Spike	P	0 - 61
2470412	Disulfoton	2.63	Spike	P	0 - 30
2470412	Dithiopyr	17.2	Spike	P	0 - 28
2470412	EPTC	39.2	Spike	P	0 - 56
2470412	Ethion	20.1	Spike	P	0 - 79
2470412	Ethoprop	4.06	Spike	P	0 - 31
2470412	Etridiazole	13.0	Spike	P	0 - 43
2470412	Fenamiphos	2.35	Spike	P	0 - 43
2470412	Fenbuconazole	25.4	Spike	P	0 - 79
2470412	Fipronil	1.22	Spike	P	0 - 46
2470412	Fipronil Desulfinyl	14.0	Spike	P	0 - 36
2470412	Fipronil Sulfide	7.60	Spike	P	0 - 34
2470412	Fipronil Sulfone	8.43	Spike	P	0 - 47
2470412	Fluazifop-P-butyl	34.0	Spike	P	0 - 38
2470412	Fludioxonil	0.0353	Spike	P	0 - 29
2470412	Flumioxazin	13.7	Spike	P	0 - 63
2470412	Flutolanil	8.97	Spike	P	0 - 36
2470412	Fluxapyroxad	14.3	Spike	P	0 - 65
2470412	Fonofos	4.52	Spike	P	0 - 35
2470412	Hexabromobenzene	2.09	Spike	P	0 - 41
2470412	Hexazinone	1.59	Spike	P	0 - 31
2470412	Imazalil	4.99	Spike	P	0 - 52
2470412	Iprodione	20.8	Spike	P	0 - 49

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P441914

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470412	Loratadine	33.4	Spike	P	0 - 59
2470412	Malathion	6.34	Spike	P	0 - 77
2470412	Metalaxyl	8.77	Spike	P	0 - 76
2470412	Metolachlor	14.1	Spike	P	0 - 29
2470412	Metribuzin	6.38	Spike	P	0 - 51
2470412	Mevinphos	5.06	Spike	P	0 - 31
2470412	Molinate	22.2	Spike	P	0 - 39
2470412	Myclobutanil	7.88	Spike	P	0 - 34
2470412	Naled	16.4	Spike	P	0 - 37
2470412	Napropamide	21.3	Spike	P	0 - 100
2470412	Norflurazon	29.4	Spike	P	0 - 54
2470412	Octinoxate	15.3	Spike	P	0 - 35
2470412	Oxadiazon	1.81	Spike	P	0 - 34
2470412	Oxybenzone	19.2	Spike	P	0 - 35
2470412	Oxyfluorfen	3.49	Spike	P	0 - 28
2470412	Parathion Ethyl	3.18	Spike	P	0 - 31
2470412	Parathion Methyl	17.2	Spike	P	0 - 29
2470412	PBB-153	8.75	Spike	P	0 - 49
2470412	PBDE-47	11.1	Spike	P	0 - 36
2470412	PBDE-99	7.10	Spike	P	0 - 46
2470412	Pendimethalin	5.86	Spike	P	0 - 31
2470412	Pentabromotoluene	6.55	Spike	P	0 - 16
2470412	Phenytoin	38.4	Spike	P	0 - 100
2470412	Phorate	2.45	Spike	P	0 - 36
2470412	Prodiamine	5.05	Spike	P	0 - 68
2470412	Prometon	1.19	Spike	P	0 - 35
2470412	Prometryn	13.7	Spike	P	0 - 33
2470412	Pronamide	7.25	Spike	P	0 - 24
2470412	Propanil	6.62	Spike	P	0 - 28
2470412	Propargite	24.8	Spike	P	0 - 53
2470412	Propiconazole	1.47	Spike	P	0 - 44
2470412	Pyraflufen Ethyl	24.9	Spike	P	0 - 61
2470412	Pyridaben	3.62	Spike	P	0 - 43
2470412	Pyriproxyfen	23.2	Spike	P	0 - 82
2470412	Simazine	6.23	Spike	P	0 - 29
2470412	Stirophos	8.95	Spike	P	0 - 100
2470412	Sulfentrazone	84.0	Spike	F	0 - 64
2470412	Tebuconazole	5.92	Spike	P	0 - 76
2470412	Terbufos	13.1	Spike	P	0 - 29
2470412	Terbutylazine	2.02	Spike	P	0 - 28
2470412	Tetradecachloro-m-terphenyl	14.3	Spike	P	0 - 42
2470412	Thiobencarb	3.18	Spike	P	0 - 26
2470412	Tri-o-cresyl Phosphate	19.3	Spike	P	0 - 24
2470412	Triadimefon	14.7	Spike	P	0 - 40
2470412	Tris(1-chloro-2-propyl) phosphate (TCPP)	13.4	Spike	P	0 - 30
2470412	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13.0	Spike	P	0 - 22
2470412	Tris(2-chloroethyl) phosphate (TCEP)	3.10	Spike	P	0 - 15

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P442033

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470483	Aldrin	0.107	Spike	P	0 - 41
2470483	Alpha-BHC	3.68	Spike	P	0 - 25
2470483	Alpha-Chlordane	2.00	Spike	P	0 - 32
2470483	Beta-BHC	4.24	Spike	P	0 - 33
2470483	Beta-Cyfluthrin	0.228	Spike	P	0 - 43
2470483	Bifenthrin	13.6	Spike	P	0 - 52
2470483	Chlorothalonil	8.10	Spike	P	0 - 82
2470483	Cis-Nonachlor	3.35	Spike	P	0 - 33
2470483	Cypermethrin	5.99	Spike	P	0 - 51
2470483	Dacthal	1.95	Spike	P	0 - 27
2470483	DDD-p,p'	2.45	Spike	P	0 - 39
2470483	DDE-p,p'	1.68	Spike	P	0 - 31
2470483	DDT-p,p'	1.72	Spike	P	0 - 29
2470483	Delta-BHC	2.23	Spike	P	0 - 35
2470483	Deltamethrin	4.69	Spike	P	0 - 100
2470483	Dichlobenil	0.118	Spike	P	0 - 40
2470483	Dicofol	0.341	Spike	P	0 - 37
2470483	Dieldrin	2.99	Spike	P	0 - 27
2470483	Endosulfan I	1.07	Spike	P	0 - 23
2470483	Endosulfan II	9.49	Spike	P	0 - 34
2470483	Endosulfan Sulfate	11.3	Spike	P	0 - 36
2470483	Endrin	5.71	Spike	P	0 - 45
2470483	Endrin Aldehyde	0.835	Spike	P	0 - 76
2470483	Endrin Ketone	4.36	Spike	P	0 - 43
2470483	Esfenvalerate	2.33	Spike	P	0 - 51
2470483	Ethalfuralin	1.10	Spike	P	0 - 22
2470483	Fenpropathrin	3.72	Spike	P	0 - 49
2470483	Gamma-BHC	2.15	Spike	P	0 - 28
2470483	Gamma-Chlordane	1.22	Spike	P	0 - 40
2470483	Heptachlor	4.45	Spike	P	0 - 29
2470483	Heptachlor Epoxide	2.74	Spike	P	0 - 33
2470483	Hexachlorobenzene	3.67	Spike	P	0 - 36
2470483	Kepone	8.10	Spike	P	0 - 85
2470483	Lambda-Cyhalothrin	0.430	Spike	P	0 - 55
2470483	Methoprene	2.71	Spike	P	0 - 53
2470483	Methoxychlor	0.477	Spike	P	0 - 50
2470483	MGK-264	0.370	Spike	P	0 - 43
2470483	Mirex	12.1	Spike	P	0 - 40
2470483	Oxychlordane	7.98	Spike	P	0 - 31
2470483	Permethrin	3.40	Spike	P	0 - 50
2470483	Phenothrin	11.7	Spike	P	0 - 58
2470483	Piperonyl Butoxide	11.8	Spike	P	0 - 100
2470483	Prallethrin	21.7	Spike	P	0 - 39
2470483	Tau-Fluvalinate	4.55	Spike	P	0 - 54
2470483	Tetramethrin	2.20	Spike	P	0 - 51
2470483	Trans-Nonachlor	1.07	Spike	P	0 - 39
2470483	Triclosan Methyl	2.60	Spike	P	0 - 31
2470483	Trifluralin	1.20	Spike	P	0 - 22
2470568	PCB-1016	2.31	Spike	P	0 - 25
2470568	PCB-1260	3.05	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P442033

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470568	Chlordane	9.06	Spike	P	0 - 28
2470568	Toxaphene	33.8	Spike	F	0 - 27

Reference Method: EPA 8321B
Batch ID: P441664

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2469574	2,4-D	2.74	Spike	P	0 - 30
2469574	2,4,5-T	0.775	Spike	P	0 - 30
2469574	Acetaminophen	15.7	Spike	P	0 - 30
2469574	Acetamiprid	13.9	Spike	P	0 - 30
2469574	Afidopyropen	3.01	Spike	P	0 - 30
2469574	Bentazon	0.184	Spike	P	0 - 30
2469574	Benzovindiflupyr	6.87	Spike	P	0 - 30
2469574	Carbamazepine	5.28	Spike	P	0 - 30
2469574	Clothianidin	0.270	Spike	P	0 - 30
2469574	Dinotefuran	14.2	Spike	P	0 - 30
2469574	Diuron	0.519	Spike	P	0 - 30
2469574	Fenuron	1.83	Spike	P	0 - 30
2469574	Fluridone	7.22	Spike	P	0 - 30
2469574	Hydrocodone	4.96	Spike	P	0 - 30
2469574	Ibuprofen	11.0	Spike	P	0 - 30
2469574	Imazapyr	7.22	Spike	P	0 - 30
2469574	Imidacloprid	1.49	Spike	P	0 - 30
2469574	Linuron	5.58	Spike	P	0 - 30
2469574	Mandestrobin	4.87	Spike	P	0 - 30
2469574	MCP	6.92	Spike	P	0 - 30
2469574	Naproxen	16.0	Spike	P	0 - 30
2469574	Primidone	3.64	Spike	P	0 - 30
2469574	Pyraclostrobin	5.06	Spike	P	0 - 30
2469574	Silvex	2.39	Spike	P	0 - 30
2469574	Thiamethoxam	3.72	Spike	P	0 - 30
2469574	Tolfenpyrad	9.71	Spike	P	0 - 30
2469574	Triclopyr	1.11	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P441729

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470408	Acesulfame K	1.79	Spike	P	0 - 30
2470408	AMPA	1.29	Spike	P	0 - 30
2470408	Endothall	0.160	Spike	P	0 - 30
2470408	Glufosinate	0.259	Spike	P	0 - 30
2470408	Glyphosate	0.491	Spike	P	0 - 30
2470408	Sucralose	1.64	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P441795

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470596	3-Hydroxycarbofuran	95.2	Spike	F	0 - 30
2470596	Aldicarb	0.229	Spike	P	0 - 30
2470596	Aldicarb Sulfone	0.811	Spike	P	0 - 30
2470596	Aldicarb Sulfoxide	2.51	Spike	P	0 - 30
2470596	Carbaryl	12.0	Spike	P	0 - 30
2470596	Carbofuran	7.13	Spike	P	0 - 30
2470596	Methiocarb	13.2	Spike	P	0 - 30
2470596	Methomyl	0.330	Spike	P	0 - 30
2470596	Oxamyl	1.09	Spike	P	0 - 30
2470596	Propoxur	3.18	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P442207

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2469965	Total Alkalinity	1.91	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P442271

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2469849	TDS	4.89	Sample	P	0 - 10

Reference Method: SM 2540 C-2015
Batch ID: P442272

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470583	TDS	4.92	Sample	P	0 - 10

Reference Method: SM 2540 D-2015
Batch ID: P442080

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2469849	TSS	3.77	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P442485

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470419	Fluoride	1.46	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P442109

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

Reference Method: SM 5310 B-2014
Batch ID: P442109

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470584	Organic Carbon	0.761	Spike	P	0 - 15

Reference Method: SM 5310 B-2014
Batch ID: P442110

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2470587	Organic Carbon	3.30	Spike	P	0 - 15

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

Quality Assurance Report Surrogates

Lab Sample ID: 2470596
Field Sample ID: G3SD0221

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	83.3	P	30 - 160

Lab Sample ID: 2470597
Field Sample ID: G3SD0221

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	82.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	73.8	P	30 - 160
EPA 8321B	Carbamazepine-d10	72.5	P	30 - 160
EPA 8321B	Diuron-d6	76.0	P	30 - 160
EPA 8321B	Endothall-d6	80.4	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	51.6	P	30 - 160
EPA 8321B	Primidone-d5	82.7	P	30 - 160
EPA 8321B	Sucralose-d6	92.8	P	30 - 160

Lab Sample ID: 2470598
Field Sample ID: FB_02202024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	113	P	30 - 160

Lab Sample ID: 2470599
Field Sample ID: FB_02202024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	90.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	75.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	89.4	P	30 - 160
EPA 8321B	Diuron-d6	96.3	P	30 - 160
EPA 8321B	Endothall-d6	75.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	95.2	P	30 - 160
EPA 8321B	Ibuprofen-d3	53.0	P	30 - 160
EPA 8321B	Primidone-d5	82.8	P	30 - 160
EPA 8321B	Sucralose-d6	95.0	P	30 - 160

Lab Sample ID: 2470601
Field Sample ID: G1SD0070

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	73.8	P	37 - 129
EPA 8270E	Decachlorobiphenyl	74.2	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	51.1	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	54.2	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	49.1	P	23 - 110
EPA 8276	PCNB	86.7	P	51 - 130

Lab Sample ID: 2470602
Field Sample ID: G3SD0221

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	72.8	P	37 - 129

Quality Assurance Report

Surrogates

Lab Sample ID: 2470602

Field Sample ID: G3SD0221

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	74.6	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	53.8	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	57.0	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	44.1	P	23 - 110
EPA 8276	PCNB	89.9	P	51 - 130

Lab Sample ID: 2470603

Field Sample ID: G3SD0221

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	66.2	P	20 - 200
EPA 8270E	Simazine-d10	85.3	P	58 - 137
EPA 8270E	Terbufos-d10	84.4	P	50 - 134
EPA 8270E	Terphenyl-d14	71.0	P	44 - 134

Lab Sample ID: 2470604

Field Sample ID: FB_02202024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	74.6	P	37 - 129
EPA 8270E	Decachlorobiphenyl	78.2	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	55.7	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	59.9	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	52.3	P	23 - 110
EPA 8276	PCNB	81.2	P	51 - 130

Lab Sample ID: 2470605

Field Sample ID: FB_02202024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	59.2	P	20 - 200
EPA 8270E	Simazine-d10	75.8	P	58 - 137
EPA 8270E	Terbufos-d10	81.3	P	50 - 134
EPA 8270E	Terphenyl-d14	63.7	P	44 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A124279

Included Lab Sample IDs: 2470597, 2470599

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	98.9	104	P/P	60 - 160
Endothall	83.7	80.0	P/P	60 - 160
Glufosinate	82.4	89.0	P/P	60 - 160
Glyphosate	94.0	98.2	P/P	60 - 160

Reference Method: DEP SOP: NU-094-1

Run ID: A124301

Included Lab Sample IDs: 2470582, 2470583, 2470586, 2470588

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.6	98.8	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A124374

Included Lab Sample IDs: 2470597, 2470599

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	95.7	97.9	P/P	60 - 160
Sucralose	95.8	99.2	P/P	60 - 160

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A124384

Included Lab Sample IDs: 2470584, 2470585, 2470587

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.6	98.0	P/P	90 - 110
Total-P	98.0	99.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A124390

Included Lab Sample IDs: 2470589

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A124391

Included Lab Sample IDs: 2470584, 2470585, 2470587, 2470589

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.2	99.6	P/P	90 - 110
Kjeldahl Nitrogen	99.6	97.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A124399

Included Lab Sample IDs: 2470584, 2470585, 2470587, 2470589

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

Quality Assurance Report

Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A124439
Included Lab Sample IDs: 2470582, 2470583, 2470586, 2470588

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	104	103	P/P	90 - 110
Sulfate	104	103	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A124442
Included Lab Sample IDs: 2470584, 2470585, 2470587, 2470589

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.2	98.6	P/P	90 - 110

Reference Method: SM 5310 B-2014
Run ID: A124459
Included Lab Sample IDs: 2470584, 2470585, 2470587, 2470589

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.0	98.9	P/P	85 - 115
Organic Carbon	98.9	116	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A124465
Included Lab Sample IDs: 2470582, 2470583, 2470586, 2470588

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

Reference Method: EPA 8270E
Run ID: A124466
Included Lab Sample IDs: 2470603, 2470605

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	104		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	96.6		P	80 - 120
Avobenzone	92.9		P	80 - 120
Dechlorane 602	105		P	80 - 120
Dechlorane 603	95.8		P	80 - 120
Dechlorane Plus	94.2		P	80 - 120
Hexabromobenzene	99.5		P	80 - 120
Octinoxate	102		P	80 - 120
Oxybenzone	99.7		P	80 - 120
PBB-153	93.1		P	80 - 120
PBDE-47	96.6		P	80 - 120
PBDE-99	98.2		P	80 - 120
Pentabromotoluene	98.3		P	80 - 120
Tetradecachloro-m-terphenyl	90.3		P	80 - 120
Tri-o-cresyl Phosphate	107		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	103		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	107		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	99.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A124488

Included Lab Sample IDs: 2470597, 2470599

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	110	107	P/P	50 - 150
2,4,5-T	104	98.8	P/P	50 - 150
3-Hydroxycarbofuran	117	112	P/P	60 - 150
Acetaminophen	103	101	P/P	60 - 160
Acetamiprid	115	113	P/P	50 - 150
Afidopyropen	95.1	115	P/P	50 - 150
Aldicarb	140	113	P/P	60 - 150
Aldicarb Sulfone	101	101	P/P	50 - 150
Aldicarb Sulfoxide	103	108	P/P	50 - 150
Bentazon	104	104	P/P	50 - 160
Benzovindiflupyr	107	104	P/P	50 - 150
Carbamazepine	127	122	P/P	60 - 150
Carbaryl	101	109	P/P	60 - 150
Carbofuran	119	123	P/P	50 - 150
Clothianidin	106	106	P/P	60 - 150
Dinotefuran	108	104	P/P	50 - 150
Diuron	123	116	P/P	60 - 160
Fenuron	107	105	P/P	60 - 150
Fluridone	133	110	P/P	60 - 160
Hydrocodone	106	110	P/P	60 - 150
Ibuprofen	112	141	P/P	50 - 160
Imazapyr	89.3	94.0	P/P	50 - 150
Imidacloprid	107	105	P/P	60 - 150
Linuron	95.2	106	P/P	60 - 150
Mandestrobin	106	100	P/P	50 - 150
MCPP	90.4	89.4	P/P	50 - 150
Methiocarb	101	108	P/P	50 - 150
Methomyl	99.2	108	P/P	50 - 150
Naproxen	86.9	130	P/P	50 - 160
Oxamyl	103	105	P/P	50 - 150
Primidone	103	93.5	P/P	60 - 150
Propoxur	113	128	P/P	50 - 150
Pyraclostrobin	113	111	P/P	60 - 150
Silvex	101	96.5	P/P	50 - 150
Thiamethoxam	113	112	P/P	50 - 150
Tolfenpyrad	104	100	P/P	60 - 150
Triclopyr	97.2	104	P/P	50 - 150

Reference Method: SM 2320 B-2011

Run ID: A124499

Included Lab Sample IDs: 2470582, 2470583, 2470586, 2470588

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	96.7	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A124566

Included Lab Sample IDs: 2470601, 2470602, 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	95.4		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8276

Run ID: A124566

Included Lab Sample IDs: 2470601, 2470602, 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Toxaphene	92.4		P	80 - 120

Reference Method: EPA 8270E

Run ID: A124573

Included Lab Sample IDs: 2470601, 2470602, 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	103		P	80 - 120
PCB-1260	104		P	80 - 120

Reference Method: EPA 8270E

Run ID: A124582

Included Lab Sample IDs: 2470601, 2470602, 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	102		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	96.5		P	80 - 120
Beta-Cyfluthrin	98.0		P	80 - 120
Bifenthrin	98.3		P	80 - 120
Chlorothalonil	102		P	80 - 120
Cis-Nonachlor	97.4		P	80 - 120
Cypermethrin	103		P	80 - 120
Dacthal	101		P	80 - 120
DDD-p,p'	93.1		P	80 - 120
DDE-p,p'	100		P	80 - 120
DDT-p,p'	92.7		P	80 - 120
Delta-BHC	93.3		P	80 - 120
Deltamethrin	98.2		P	80 - 120
Dichlobenil	96.5		P	80 - 120
Dicofol	97.4		P	80 - 120
Dieldrin	99.8		P	80 - 120
Endosulfan I	100		P	80 - 120
Endosulfan II	96.4		P	80 - 120
Endosulfan Sulfate	93.3		P	80 - 120
Endrin	96.5		P	80 - 120
Endrin Aldehyde	103		P	80 - 120
Endrin Ketone	99.4		P	80 - 120
Esfenvalerate	96.4		P	80 - 120
Ethalfuralin	98.0		P	80 - 120
Fenpropathrin	96.1		P	80 - 120
Gamma-BHC	97.1		P	80 - 120
Gamma-Chlordane	98.9		P	80 - 120
Heptachlor	99.6		P	80 - 120
Heptachlor Epoxide	100		P	80 - 120
Hexachlorobenzene	99.0		P	80 - 120
Kepone	87.1		P	80 - 120
Lambda-Cyhalothrin	102		P	80 - 120
Methoprene	97.0		P	80 - 120
Methoxychlor	102		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A124582

Included Lab Sample IDs: 2470601, 2470602, 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
MGK-264	97.0		P	80 - 120
Mirex	97.2		P	80 - 120
Oxychlordane	101		P	80 - 120
Permethrin	99.8		P	80 - 120
Phenothrin	100		P	80 - 120
Piperonyl Butoxide	106		P	80 - 120
Prallethrin	98.0		P	80 - 120
Tau-Fluvalinate	99.1		P	80 - 120
Tetramethrin	101		P	80 - 120
Trans-Nonachlor	101		P	80 - 120
Triclosan Methyl	97.1		P	80 - 120
Trifluralin	99.5		P	80 - 120

Reference Method: SM 4500-F- C-2011

Run ID: A124624

Included Lab Sample IDs: 2470582, 2470583, 2470586, 2470588

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

Reference Method: EPA 8270E

Run ID: A124634

Included Lab Sample IDs: 2470604

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Piperonyl Butoxide	112		P	80 - 120

Reference Method: EPA 8270E

Run ID: A124708

Included Lab Sample IDs: 2470603, 2470605

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	93.5		P	80 - 120
Alachlor	85.6		P	80 - 120
Ametryn	110		P	80 - 120
Atrazine	92.9		P	80 - 120
Atrazine Desethyl	96.3		P	80 - 120
Azinphos Methyl	99.7		P	80 - 120
Azoxystrobin	100		P	80 - 120
Bromacil	102		P	80 - 120
Butylate	103		P	80 - 120
Caffeine	102		P	80 - 120
Carbophenothion	110		P	80 - 120
Carfentrazone Ethyl	104		P	80 - 120
Chlorfenapyr	93.8		P	80 - 120
Chlorpyrifos Ethyl	91.4		P	80 - 120
Chlorpyrifos Methyl	96.4		P	80 - 120
Coumaphos	95.9		P	80 - 120
Cyanazine	85.5		P	80 - 120
Cyprodinil	93.7		P	80 - 120
Demeton	98.7		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A124708

Included Lab Sample IDs: 2470603, 2470605

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Diazinon	100		P	80 - 120
Difenoconazole	108		P	80 - 120
Dimethenamid	93.5		P	80 - 120
Dimethomorph	87.9		P	80 - 120
Disulfoton	104		P	80 - 120
Dithiopyr	118		P	80 - 120
EPTC	98.0		P	80 - 120
Ethion	93.7		P	80 - 120
Ethoprop	99.4		P	80 - 120
Etridiazole	95.8		P	80 - 120
Fenamiphos	90.6		P	80 - 120
Fenbuconazole	94.3		P	80 - 120
Fipronil	89.0		P	80 - 120
Fipronil Desulfinyl	105		P	80 - 120
Fipronil Sulfide	98.1		P	80 - 120
Fipronil Sulfone	87.4		P	80 - 120
Fluazifop-P-butyl	97.0		P	80 - 120
Fludioxonil	102		P	80 - 120
Flumioxazin	90.6		P	80 - 120
Flutolanil	89.1		P	80 - 120
Fluxapyroxad	94.9		P	80 - 120
Fonofos	90.9		P	80 - 120
Hexazinone	99.6		P	80 - 120
Imazalil	112		P	80 - 120
Iprodione	95.8		P	80 - 120
Loratadine	89.2		P	80 - 120
Malathion	90.5		P	80 - 120
Metaxyl	84.9		P	80 - 120
Metolachlor	101		P	80 - 120
Metribuzin	102		P	80 - 120
Mevinphos	99.5		P	80 - 120
Molinate	86.5		P	80 - 120
Myclobutanil	84.7		P	80 - 120
Naled	111		P	80 - 120
Napropamide	103		P	80 - 120
Norflurazon	98.1		P	80 - 120
Oxadiazon	99.0		P	80 - 120
Oxyfluorfen	104		P	80 - 120
Parathion Ethyl	92.9		P	80 - 120
Parathion Methyl	84.5		P	80 - 120
Pendimethalin	99.6		P	80 - 120
Phenytoin	98.6		P	80 - 120
Phorate	103		P	80 - 120
Prodiamine	109		P	80 - 120
Prometon	99.1		P	80 - 120
Prometryn	96.1		P	80 - 120
Pronamide	102		P	80 - 120
Propanil	119		P	80 - 120
Propargite	105		P	80 - 120
Propiconazole	90.2		P	80 - 120
Pyraflufen Ethyl	91.5		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A124708
Included Lab Sample IDs: 2470603, 2470605

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Pyridaben	107		P	80 - 120
Pyriproxyfen	104		P	80 - 120
Simazine	83.2		P	80 - 120
Stirophos	94.9		P	80 - 120
Sulfentrazone	96.5		P	80 - 120
Tebuconazole	99.2		P	80 - 120
Terbufos	96.9		P	80 - 120
Terbuthylazine	93.9		P	80 - 120
Thiobencarb	110		P	80 - 120
Triadimefon	96.6		P	80 - 120

Reference Method: EPA 8270E
Run ID: A124720
Included Lab Sample IDs: 2470603

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Azoxystrobin	106		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		LCS	Precision	MS
						SMP	
DEP SOP: NU-094-1	Color (true)	100				11.5	
EPA 180.1 Rev. 2.0	Turbidity	104				3.69	
EPA 300.0 Rev. 2.1	Chloride	106	105	104		0.929	
	Sulfate	105	103	104		0.684	
EPA 350.1 Rev. 2.0	Ammonia-N	95.6	93.6	96.4			1.93
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	97.9	106	98.8			4.82
EPA 353.2 Rev. 2.0	NO2NO3-N	99.5	99.0	100			0.585
EPA 365.1 Rev. 2.0	Total-P	98.2	100	102			1.27
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	54.4	63.7	54.6			15.3
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	70.1	60.7	67.2			10.1
	Acetochlor	83.2	78.5	84.7			7.66
	Alachlor	81.1	74.5	76.1			2.12
	Aldrin	32.8	43.8	43.8			0.107
	Alpha-BHC	71.8	74.9	72.2			3.68
	Alpha-Chlordane	51.7	67.0	65.6			2.00
	Ametryn	99.4	88.8	97.1			8.97
	Atrazine	70.3	74.7	75.9			1.50
	Atrazine Desethyl	91.3	112	97.4			13.7
	Avobenzone	101	93.8	77.4			19.1
	Azinphos Methyl	103	87.7	112			24.6
	Azoxystrobin	92.8	95.0	90.8			4.48
	Beta-BHC	79.8	88.2	84.5			4.24
	Beta-Cyfluthrin	35.3	63.5	63.6			0.228
	Bifenthrin	25.5	48.5	42.3			13.6
	Bromacil	104	89.9	97.4			7.98
	Butylate	41.8	54.0	41.2			26.8
	Caffeine	68.6	101	93.7			7.33
	Carbophenothion	81.5	74.7	100			29.4
	Carfentrazone Ethyl	86.7	81.0	108			28.9
	Chlorfenapyr	80.5	80.9	85.8			5.86
	Chlorothalonil	50.1	49.8	54.0			8.10
	Chlorpyrifos Ethyl	79.4	73.7	75.8			2.82
	Chlorpyrifos Methyl	76.2	74.4	78.5			5.38
	Cis-Nonachlor	41.4	50.5	52.2			3.35
	Coumaphos	80.3	71.4	67.7			5.25
	Cyanazine	183	199	181			9.73
	Cypermethrin	36.1	60.9	64.7			5.99
	Cyprodinil	73.7	75.1	69.1			8.28
	Dacthal	77.2	78.2	76.7			1.95
	DDD-p,p'	47.1	54.1	55.4			2.45
	DDE-p,p'	53.7	66.2	65.1			1.68
	DDT-p,p'	45.6	53.6	52.7			1.72
	Dechlorane 602	55.7	61.4	57.9			5.96
	Dechlorane 603	70.4	77.5	64.0			19.2
	Dechlorane Plus	70.3	65.0	62.5			3.82
	Delta-BHC	68.1	77.8	76.1			2.23
	Deltamethrin	39.6	76.3	80.0			4.69
	Demeton	54.4	61.2	56.3			8.26
	Diazinon	95.3	87.9	91.2			3.73
	Dichlobenil	51.3	49.1	49.2			0.118
	Dicofol	46.7	51.9	52.1			0.341

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Dieldrin	60.3	69.5	67.1			2.99
	Difenoconazole	99.9	79.3	114			35.8
	Dimethenamid	61.9	66.9	68.3			2.09
	Dimethomorph	119	120	141			16.2
	Disulfoton	91.1	89.0	91.4			2.63
	Dithiopyr	93.5	98.5	82.9			17.2
	Endosulfan I	61.5	71.8	71.0			1.07
	Endosulfan II	71.4	83.1	75.6			9.49
	Endosulfan Sulfate	84.2	81.6	72.9			11.3
	Endrin	48.3	54.2	57.3			5.71
	Endrin Aldehyde	59.9	62.2	61.7			0.835
	Endrin Ketone	88.8	92.1	88.2			4.36
	EPTC	33.5	44.8	30.1			39.2
	Esfenvalerate	33.3	67.4	69.0			2.33
	Ethalfuralin	47.6	50.4	50.9			1.10
	Ethion	56.9	58.5	71.5			20.1
	Ethoprop	65.5	77.7	74.6			4.06
	Etridiazole	55.1	56.7	49.8			13.0
	Fenamiphos	67.4	98.3	101			2.35
	Fenbuconazole	87.1	65.6	84.6			25.4
	Fenpropathrin	43.8	59.6	61.9			3.72
	Fipronil	85.0	82.6	83.7			1.22
	Fipronil Desulfinyl	97.8	82.8	95.3			14.0
	Fipronil Sulfide	75.9	77.0	71.3			7.60
	Fipronil Sulfone	69.5	66.6	61.2			8.43
	Fluazifop-P-butyl	106	85.9	60.9			34.0
	Fludioxonil	65.6	70.8	70.8			0.0353
	Flumioxazin	97.6	76.8	88.1			13.7
	Flutolanil	86.3	103	93.8			8.97
	Fluxapyroxad	67.2	55.4	63.9			14.3
	Fonofos	58.4	70.7	67.6			4.52
	Gamma-BHC	70.7	72.2	70.7			2.15
	Gamma-Chlordane	48.8	62.0	61.2			1.22
	Heptachlor	42.9	51.9	49.7			4.45
	Heptachlor Epoxide	60.7	69.4	67.3			2.74
	Hexabromobenzene	62.9	66.2	64.9			2.09
	Hexachlorobenzene	41.1	51.6	49.7			3.67
	Hexazinone	70.2	77.2	75.9			1.59
	Imazalil	87.6	97.1	92.3			4.99
	Iprodione	89.0	62.4	77.0			20.8
	Kepone	69.5	135	125			8.10
	Lambda-Cyhalothrin	36.6	66.0	65.7			0.430
	Loratadine	117	88.0	123			33.4
	Malathion	79.5	74.2	79.0			6.34
	Metalaxyl	79.8	71.2	77.7			8.77
	Methoprene	30.6	42.7	43.8			2.71
	Methoxychlor	63.5	69.9	70.2			0.477
	Metolachlor	69.2	81.5	70.7			14.1
	Metribuzin	84.7	86.2	80.9			6.38
	Mevinphos	65.9	75.0	71.3			5.06
	MGK-264	54.3	61.8	61.5			0.370
	Mirex	25.7	39.2	44.2			12.1
	Molinate	42.2	52.5	42.0			22.2
	Myclobutanil	86.3	75.7	81.9			7.88

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Naled	59.1	43.6	51.3			16.4
	Napropamide	69.8	67.9	84.1			21.3
	Norflurazon	94.6	71.4	95.9			29.4
	Octinoxate	63.4	73.2	62.8			15.3
	Oxadiazon	61.8	60.6	61.7			1.81
	Oxybenzone	62.0	80.1	66.1			19.2
	Oxychlorthane	49.3	62.8	58.0			7.98
	Oxyfluorfen	97.6	109	113			3.49
	Parathion Ethyl	62.5	71.4	73.7			3.18
	Parathion Methyl	70.0	65.5	77.8			17.2
	PBB-153	71.6	62.0	67.6			8.75
	PBDE-47	65.4	75.5	67.6			11.1
	PBDE-99	71.7	73.3	68.3			7.10
	PCB-1016	51.2	63.5	62.0			2.31
	PCB-1260	55.3	63.3	61.4			3.05
	Pendimethalin	86.3	101	95.2			5.86
	Pentabromotoluene	56.3	62.0	58.1			6.55
	Permethrin	29.8	51.1	52.8			3.40
	Phenothrin	27.7	44.5	50.1			11.7
	Phenytoin	30.2	29.7	43.8			38.4
	Phorate	67.6	115	112			2.45
	Piperonyl Butoxide	62.9	67.0	75.5			11.8
	Prallethrin	43.8	54.8	44.1			21.7
	Prodiamine	66.6	68.3	64.9			5.05
	Prometon	76.6	84.6	85.6			1.19
	Prometryn	88.8	111	96.6			13.7
	Pronamide	87.8	87.5	94.1			7.25
	Propanil	82.8	133	142			6.62
	Propargite	49.1	39.5	50.8			24.8
	Propiconazole	59.6	56.0	56.8			1.47
	Pyraflufen Ethyl	73.6	51.5	66.2			24.9
	Pyridaben	106	92.1	95.5			3.62
	Pyriproxyfen	65.0	58.5	73.9			23.2
	Simazine	68.5	76.6	72.0			6.23
	Stirophos	67.7	66.8	61.1			8.95
	Sulfentrazone	69.3	29.7	72.7			84.0
	Tau-Fluvalinate	29.1	57.6	60.3			4.55
	Tebuconazole	47.6	44.1	46.8			5.92
	Terbufos	62.3	75.6	66.3			13.1
	Terbutylazine	70.0	71.6	73.0			2.02
	Tetradecachloro-m-terphenyl	62.0	73.6	63.8			14.3
	Tetramethrin	53.7	66.3	64.8			2.20
	Thiobencarb	101	86.5	89.3			3.18
	Trans-Nonachlor	48.4	62.6	62.0			1.07
	Tri-o-cresyl Phosphate	77.2	91.3	75.2			19.3
	Triadimefon	75.1	75.6	87.6			14.7
	Triclosan Methyl	54.0	59.1	60.7			2.60
	Trifluralin	48.5	55.8	55.1			1.20
	Tris(1-chloro-2-propyl) phosphate (TCPP)	64.2	73.6	64.3			13.4
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	74.6	85.7	75.3			13.0
	Tris(2-chloroethyl) phosphate (TCEP)	72.3	79.2	76.8			3.10

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8276	Chlordane	72.8	73.9	81.0		9.06
	Toxaphene	71.7	70.9	99.7		33.8
EPA 8321B	2,4-D	111	71.9	73.9		2.74
	2,4,5-T	98.6	75.2	74.6		0.775
	3-Hydroxycarbofuran	81.4	23.1	65.2		95.2
	Acesulfame K	96.5	97.3	99.1		1.79
	Acetaminophen	81.5	62.4	73.0		15.7
	Acetamiprid	73.9	43.8	50.3		13.9
	Afidopyropen	58.5	56.1	57.8		3.01
	Aldicarb	84.4	59.4	59.5		0.229
	Aldicarb Sulfone	87.1	68.1	67.6		0.811
	Aldicarb Sulfoxide	98.1	30.0	30.8		2.51
	AMPA	106	101	102		1.29
	Bentazon	103	51.7	51.6		0.184
	Benzovindiflupyr	82.2	85.4	79.7		6.87
	Carbamazepine	84.4	67.9	64.4		5.28
	Carbaryl	77.9	64.4	72.6		12.0
	Carbofuran	78.6	64.5	69.2		7.13
	Clothianidin	88.0	61.2	61.3		0.270
	Dinotefuran	97.3	53.4	61.5		14.2
	Diuron	88.5	65.2	65.5		0.519
	Endothall	93.6	117	117		0.160
	Fenuron	91.1	53.4	54.4		1.83
	Fluridone	92.9	76.4	71.1		7.22
	Glufosinate	90.6	97.3	97.1		0.259
	Glyphosate	102	104	103		0.491
	Hydrocodone	88.2	52.1	54.8		4.96
	Ibuprofen	63.5	65.8	59.0		11.0
	Imazapyr	101	95.5	87.2		7.22
	Imidacloprid	87.7	67.1	68.1		1.49
	Linuron	84.9	71.2	67.3		5.58
	Mandestrobin	75.9	78.8	75.0		4.87
	MCPP	90.2	75.0	70.0		6.92
	Methiocarb	68.0	59.8	68.2		13.2
	Methomyl	86.4	67.6	67.8		0.330
	Naproxen	101	89.5	76.3		16.0
	Oxamyl	86.6	71.1	70.3		1.09
	Primidone	82.9	72.5	75.2		3.64
	Propoxur	71.9	63.9	66.0		3.18
	Pyraclostrobin	82.4	82.5	78.4		5.06
	Silvex	100	79.0	77.2		2.39
	Sucralose	99.2	99.0	97.4		1.64
	Thiamethoxam	86.7	53.3	55.4		3.72
	Tolfenpyrad	51.2	46.4	51.1		9.71
	Triclopyr	103	75.0	74.2		1.11
SM 2320 B-2011	Total Alkalinity	99.1			1.91	
SM 2540 C-2015	TDS	93.2			4.89	
	TDS	96.0			4.92	
SM 2540 D-2015	TSS	104			3.77	
	TSS	97.6				
SM 4500-F- C-2011	Fluoride	105	105	107		1.46
SM 5310 B-2014	Organic Carbon	97.9	102	101		0.761
	Organic Carbon	97.2	97.8	102		3.30

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2470582, 2470583, 2470586, 2470588
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2470582, 2470583, 2470586, 2470588
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2470582, 2470583, 2470586, 2470588
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2470582, 2470583, 2470586, 2470588
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2470584, 2470585, 2470587, 2470589
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2470584, 2470585, 2470587, 2470589
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2470584, 2470585, 2470587, 2470589
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2470584, 2470585, 2470587, 2470589
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2470603, 2470605
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2470601, 2470602, 2470604
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2470603, 2470605
EPA 8270E	PCBs in water matrices by GC/MS/MS	2470601, 2470602, 2470604
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2470601, 2470602, 2470604
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2470596, 2470598
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2470597, 2470599
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2470582, 2470583, 2470586, 2470588
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2470582, 2470583, 2470586, 2470588
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2470582, 2470583, 2470586, 2470588
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2470582, 2470583, 2470586, 2470588
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2470584, 2470585, 2470587, 2470589

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	02/21/2024			02/21/2024 14:23	Jessica K Wilks	2470582
	02/21/2024			02/21/2024 14:24	Jessica K Wilks	2470583
	02/21/2024			02/21/2024 14:25	Jessica K Wilks	2470586, 2470588
EPA 180.1 Rev. 2.0	02/21/2024			02/21/2024 14:47	Dipa Joshi	2470582
	02/21/2024			02/21/2024 14:48	Dipa Joshi	2470583
	02/21/2024			02/21/2024 14:49	Dipa Joshi	2470586
EPA 300.0 Rev. 2.1	02/21/2024			02/21/2024 14:50	Dipa Joshi	2470588
	02/21/2024			02/29/2024 00:12	James L Waggeberby	2470582
	02/21/2024			02/29/2024 00:27	James L Waggeberby	2470583
EPA 350.1 Rev. 2.0	02/21/2024			02/29/2024 00:42	James L Waggeberby	2470586
	02/21/2024			02/29/2024 00:57	James L Waggeberby	2470588
	02/21/2024			02/28/2024 10:49	Khloe J Berg	2470584
EPA 351.2 Rev. 2.0	02/21/2024			02/28/2024 10:50	Khloe J Berg	2470585
	02/21/2024			02/28/2024 10:51	Khloe J Berg	2470587
	02/21/2024			02/28/2024 10:53	Khloe J Berg	2470589
EPA 353.2 Rev. 2.0	02/21/2024	02/23/2024 10:59	Samantha L Bates	02/26/2024 14:36	Samantha L Bates	2470584
	02/21/2024	02/23/2024 10:59	Samantha L Bates	02/26/2024 14:40	Samantha L Bates	2470585
	02/21/2024	02/23/2024 10:59	Samantha L Bates	02/26/2024 14:42	Samantha L Bates	2470587
EPA 365.1 Rev. 2.0	02/21/2024	02/23/2024 10:59	Samantha L Bates	02/26/2024 14:47	Samantha L Bates	2470589
	02/21/2024			02/23/2024 12:18	Fadila Guebre	2470584
	02/21/2024			02/23/2024 12:24	Fadila Guebre	2470587
EPA 8270E	02/21/2024			02/23/2024 12:25	Fadila Guebre	2470589
	02/21/2024			02/23/2024 12:34	Fadila Guebre	2470585
	02/21/2024	02/23/2024 13:02	Adam P Silver	02/26/2024 12:05	Chandler E Cox	2470584
EPA 8270E	02/21/2024	02/23/2024 13:02	Adam P Silver	02/26/2024 12:06	Chandler E Cox	2470585
	02/21/2024	02/23/2024 13:02	Adam P Silver	02/26/2024 12:09	Chandler E Cox	2470587
	02/21/2024	02/23/2024 13:02	Adam P Silver	02/26/2024 14:50	Chandler E Cox	2470589
EPA 8276	02/21/2024	02/22/2024 08:00	Julie Wi	03/04/2024 22:26	Julie Wi	2470601
	02/21/2024	02/22/2024 08:00	Julie Wi	03/04/2024 22:55	Julie Wi	2470602
	02/21/2024	02/22/2024 08:00	Julie Wi	03/04/2024 23:24	Julie Wi	2470604
EPA 8276	02/21/2024	02/22/2024 08:00	Julie Wi	03/06/2024 04:32	Arthur Maknenko	2470601
	02/21/2024	02/22/2024 08:00	Julie Wi	03/06/2024 05:02	Arthur Maknenko	2470602
	02/21/2024	02/22/2024 08:00	Julie Wi	03/06/2024 05:32	Arthur Maknenko	2470604
EPA 8276	02/21/2024	02/22/2024 08:00	Julie Wi	03/08/2024 03:31	Julie Wi	2470604
	02/21/2024	02/26/2024 07:50	Rasheda Ghaffari	02/28/2024 18:22	Vandana T. Nagar	2470603
	02/21/2024	02/26/2024 07:50	Rasheda Ghaffari	02/28/2024 18:49	Vandana T. Nagar	2470605
EPA 8276	02/21/2024	02/26/2024 07:50	Rasheda Ghaffari	02/28/2024 19:25	Arthur Maknenko	2470603
	02/21/2024	02/26/2024 07:50	Rasheda Ghaffari	02/28/2024 19:51	Arthur Maknenko	2470605
	02/21/2024	02/26/2024 07:50	Rasheda Ghaffari	02/29/2024 16:42	Vandana T. Nagar	2470603
EPA 8276	02/21/2024	02/22/2024 08:00	Julie Wi	02/29/2024 13:49	Arthur Maknenko	2470601

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8276	02/21/2024	02/22/2024 08:00	Julie Wi	02/29/2024 14:47	Arthur Maknenko	2470602
	02/21/2024	02/22/2024 08:00	Julie Wi	02/29/2024 15:44	Arthur Maknenko	2470604
EPA 8321B	02/21/2024	02/22/2024 09:00	Hoor Shaik	03/01/2024 03:21	Juyoung Kim	2470597
	02/21/2024	02/22/2024 09:00	Hoor Shaik	03/01/2024 03:39	Juyoung Kim	2470599
	02/21/2024	02/22/2024 11:00	Hana Lee	02/22/2024 17:09	Hana Lee	2470597
	02/21/2024	02/22/2024 11:00	Hana Lee	02/22/2024 17:23	Hana Lee	2470599
	02/21/2024	02/22/2024 11:00	Hana Lee	02/23/2024 15:32	Hana Lee	2470597
	02/21/2024	02/22/2024 11:00	Hana Lee	02/23/2024 15:46	Hana Lee	2470599
	02/21/2024	02/27/2024 09:00	Hoor Shaik	03/01/2024 05:43	Juyoung Kim	2470596
	02/21/2024	02/27/2024 09:00	Hoor Shaik	03/01/2024 06:01	Juyoung Kim	2470598
SM 2320 B-2011	02/21/2024			02/29/2024 10:53	Adam P Silver	2470582
	02/21/2024			02/29/2024 11:05	Adam P Silver	2470583
	02/21/2024			02/29/2024 11:18	Adam P Silver	2470586
	02/21/2024			02/29/2024 11:27	Adam P Silver	2470588
SM 2540 C-2015	02/21/2024			02/22/2024 16:28	Yijie Li	2470582, 2470583, 2470586, 2470588
SM 2540 D-2015	02/21/2024			02/22/2024 16:28	Yijie Li	2470582, 2470583, 2470586, 2470588
SM 4500-F- C-2011	02/21/2024			03/07/2024 09:26	Dale L. Simmons	2470582
	02/21/2024			03/07/2024 09:31	Dale L. Simmons	2470583
	02/21/2024			03/07/2024 09:37	Dale L. Simmons	2470586
	02/21/2024			03/07/2024 09:42	Dale L. Simmons	2470588
SM 5310 B-2014	02/21/2024			02/28/2024 00:16	Elise M. Gillis	2470584
	02/21/2024			02/28/2024 03:04	Elise M. Gillis	2470585
	02/21/2024			02/28/2024 04:24	Elise M. Gillis	2470587
	02/21/2024			02/28/2024 05:09	Elise M. Gillis	2470589