Chemical Analysis Report

WQAP-2017-05-10-05

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

Event Description: **ESOC Pilot Study - AXYS - May 2017**
Request ID: **RQ-2017-05-08-73**
Customer: **WQAP**
Project ID: **ESOCPILOT**

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Certified by: Thekkekalathil Chandrasekhar, Chemist Administrator Date Certified: 28-JUL-2017 11:11

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 group are included in this report: 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 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: SP-WITHLAC SR150@Bellville Bridge **Collection Date/Time: 05/03/2017 09:00**

Field ID: L27158-2 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898161	EPA 8270D	Aldrin**	2.5	U	ng	P326511	
		Acetochlor	2.5	U	ng	P326523	
		Alpha-BHC**	1.2	U	ng	P326511	
		Alachlor	2.5	U	ng	P326523	
		Beta-BHC**	1.2	U	ng	P326511	
		Ametryn	3.2	U	ng	P326523	
		Delta-BHC**	0.82	U	ng	P326511	
		Atrazine	2.5	U	ng	P326523	
		Gamma-BHC**	1.2	U	ng	P326511	
		Atrazine Desethyl	15	U	ng	P326523	
		Carbophenothion**	3.8	U	ng	P326511	
		Azinphos Methyl	22	UJ	ng	P326523	LCS, RPD
		Bromacil	5.0	U	ng	P326523	
		Chlorothalonil**	5.0	U	ng	P326511	
		Butylate	4.0	UJ	ng	P326523	LCS, RPD
		Cypermethrin**	6.2	U	ng	P326511	
		Chlorpyrifos Ethyl	5.6	I	ng	P326523	
		DDD-p,p'**	1.2	U	ng	P326511	
		Chlorpyrifos Methyl	1.0	U	ng	P326523	
		DDE-p,p'**	1.9	I	ng	P326511	
		Cyanazine	5.0	U	ng	P326523	
		DDT-p,p'**	3.0	U	ng	P326511	
		Demeton	20	UJ	ng	P326523	LCS
		Dicofol**	5.0	U	ng	P326511	
		Diazinon	1.2	U	ng	P326523	
		Dieldrin**	5.0	U	ng	P326511	
		Disulfoton	3.2	U	ng	P326523	
		Endosulfan I**	5.0	U	ng	P326511	
		EPTC	12	UJ	ng	P326523	CCV, LCS, RPD
		Endosulfan II**	5.0	U	ng	P326511	
		Ethion	15	UJ	ng	P326523	LCS
		Endosulfan Sulfate**	2.5	U	ng	P326511	
		Ethoprop	1.0	U	ng	P326523	
		Endrin**	5.0	U	ng	P326511	
		Fenamiphos	2.5	U	ng	P326523	
		Endrin Aldehyde**	10	U	ng	P326511	
		Fipronil	2.5	U	ng	P326523	
		Heptachlor**	1.2	U	ng	P326511	
		Fipronil Sulfide	15	U	ng	P326523	
		Heptachlor Epoxide**	2.5	U	ng	P326511	
		Fipronil Sulfone	15	U	ng	P326523	
		Methoxychlor**	1.2	U	ng	P326511	
		Fonofos	2.0	U	ng	P326523	

Field ID: L27158-2 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898161	EPA 8270D	Mirex**	2.5	U	ng	P326511	
		Hexazinone	5.0	U	ng	P326523	
		Permethrin**	3.0	U	ng	P326511	
		Malathion	3.5	U	ng	P326523	
		Metalaxyl	2.0	U	ng	P326523	
		Trifluralin**	2.0	U	ng	P326511	
		Metolachlor	5.6	I	ng	P326523	
		Metribuzin	2.0	U	ng	P326523	
		Mevinphos	5.0	U	ng	P326523	
		Alpha-Chlordane**	2.2	I	ng	P326511	
		Molinate	3.0	U	ng	P326523	
		Gamma-Chlordane**	1.3	I	ng	P326511	
		Norflurazon	5.0	U	ng	P326523	
		Endrin Ketone**	10	U	ng	P326511	
		Parathion Ethyl	2.5	U	ng	P326523	
		Parathion Methyl	2.5	UJ	ng	P326523	RPD
		Pendimethalin	15	U	ng	P326523	
		Prometon	9.0	U	ng	P326523	
		Prometryn	2.0	U	ng	P326523	
		Phorate	2.5	UJ	ng	P326523	LCS
		Simazine	5.0	U	ng	P326523	
		Terbufos	1.0	U	ng	P326523	
		Terbuthylazine	4.2	U	ng	P326523	
	EPA 8276	Chlordane**	20	I	ng	P326522	
		Toxaphene**	62	U	ng	P326522	
1909928	EPA 8321B	Sucralose**	15	Q	ng	P329189	
		Aldicarb**	120	UQ	ng	P329172	
		2,4-D**	6.2	UJQ	ng	P329172	
		Carbamazepine**	1.2	UQ	ng	P329172	
		Aldicarb Sulfone**	12	UQ	ng	P329172	
		Diuron**	2.5	UQ	ng	P329172	
		Aldicarb Sulfoxide**	12	UQ	ng	P329172	
		Fenuron**	25	UQ	ng	P329172	
		Carbaryl**	12	UQ	ng	P329172	
		Carbofuran**	12	UQ	ng	P329172	
		Bentazon**	2.5	UJQ	ng	P329172	
		Imidacloprid**	2.5	UQ	ng	P329172	
		3-Hydroxycarbofuran**	12	UQ	ng	P329172	
		Linuron**	12	UQ	ng	P329172	
		Methiocarb**	12	UQ	ng	P329172	
		Methomyl**	12	UQ	ng	P329172	
		Oxamyl**	25	UQ	ng	P329172	
		Acetaminophen**	25	UQ	ng	P329172	
		Propoxur**	12	UQ	ng	P329172	
		MCPP**	6.2	UJQ	ng	P329172	

Field ID: L27158-2 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909928	EPA 8321B	Triclopyr**	12	UJQ	ng	P329172	
		Primidone**	12	UQ	ng	P329172	
		Fluridone**	1.2	UQ	ng	P329172	

Ref. Method and Comment:
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Refer to the narrative for an explanation of QC Codes.
EPA 8276: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Sample expired for analysis due to the decision to expand and include this test.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-OCHLCK Ochlockonee River@CR12 **Collection Date/Time: 05/03/2017 09:00**

Field ID: L27158-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898162	EPA 8270D	Aldrin**	2.5	U	ng	P326511	
		Acetochlor	2.5	U	ng	P326523	
		Alpha-BHC**	1.2	U	ng	P326511	
		Alachlor	2.5	U	ng	P326523	
		Beta-BHC**	1.2	U	ng	P326511	
		Ametryn	3.2	U	ng	P326523	
		Delta-BHC**	0.82	U	ng	P326511	
		Atrazine	2.5	U	ng	P326523	
		Gamma-BHC**	1.2	U	ng	P326511	
		Atrazine Desethyl	15	U	ng	P326523	
		Carbophenothion**	3.8	U	ng	P326511	
		Azinphos Methyl	22	UJ	ng	P326523	LCS, RPD
		Bromacil	5.0	U	ng	P326523	
		Chlorothalonil**	5.0	U	ng	P326511	
		Butylate	4.0	UJ	ng	P326523	LCS, RPD
		Cypermethrin**	6.2	U	ng	P326511	
		Chlorpyrifos Ethyl	15		ng	P326523	
		DDD-p,p'**	1.3	I	ng	P326511	
		Chlorpyrifos Methyl	1.0	U	ng	P326523	
		DDE-p,p'**	4.3		ng	P326511	
		Cyanazine	5.0	U	ng	P326523	
		DDT-p,p'**	3.0	U	ng	P326511	
		Demeton	20	UJ	ng	P326523	LCS
		Dicofol**	5.0	U	ng	P326511	
		Diazinon	1.2	U	ng	P326523	
		Dieldrin**	13	I	ng	P326511	
		Disulfoton	3.2	U	ng	P326523	
		Endosulfan I**	5.0	U	ng	P326511	
		EPTC	12	UJ	ng	P326523	CCV, LCS, RPD

Field ID: L27158-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898162	EPA 8270D	Endosulfan II**	5.0	U	ng	P326511	
		Ethion	15	UJ	ng	P326523	LCS
		Endosulfan Sulfate**	2.5	U	ng	P326511	
		Ethoprop	1.0	U	ng	P326523	
		Endrin**	5.0	U	ng	P326511	
		Fenamiphos	2.5	U	ng	P326523	
		Endrin Aldehyde**	10	U	ng	P326511	
		Fipronil	2.5	U	ng	P326523	
		Heptachlor**	1.2	U	ng	P326511	
		Fipronil Sulfide	15	U	ng	P326523	
		Heptachlor Epoxide**	2.5	U	ng	P326511	
		Fipronil Sulfone	15	U	ng	P326523	
		Methoxychlor**	1.2	U	ng	P326511	
		Fonofos	2.0	U	ng	P326523	
		Mirex**	2.5	U	ng	P326511	
		Hexazinone	5.0	U	ng	P326523	
		Permethrin**	3.0	U	ng	P326511	
		Malathion	3.5	U	ng	P326523	
		Metalaxyl	2.0	U	ng	P326523	
		Trifluralin**	22		ng	P326511	
		Metolachlor	11		ng	P326523	
		Metribuzin	2.0	U	ng	P326523	
		Mevinphos	5.0	U	ng	P326523	
		Alpha-Chlordane**	1.5	I	ng	P326511	
		Molinate	3.0	U	ng	P326523	
		Gamma-Chlordane**	1.2	U	ng	P326511	
		Norflurazon	5.0	U	ng	P326523	
		Endrin Ketone**	10	U	ng	P326511	
		Parathion Ethyl	2.5	U	ng	P326523	
		Parathion Methyl	2.5	UJ	ng	P326523	RPD
		Pendimethalin	39	I	ng	P326523	
		Prometon	9.0	U	ng	P326523	
		Prometryn	2.0	U	ng	P326523	
		Phorate	2.5	UJ	ng	P326523	LCS
		Simazine	5.0	U	ng	P326523	
		Terbufos	1.0	U	ng	P326523	
		Terbuthylazine	4.2	U	ng	P326523	
	EPA 8276	Chlordane**	20	I	ng	P326522	
		Toxaphene**	160	I	ng	P326522	
1909929	EPA 8321B	Sucralose**	0.22	UQ	ng	P329189	
		Aldicarb**	120	UQ	ng	P329172	
		2,4-D**	6.2	UQ	ng	P329172	
		Carbamazepine**	1.2	UQ	ng	P329172	
		Aldicarb Sulfone**	12	UQ	ng	P329172	
		Diuron**	2.5	UQ	ng	P329172	

Field ID: L27158-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909929	EPA 8321B	Aldicarb Sulfoxide**	12	UQ	ng	P329172	
		Fenuron**	25	UQ	ng	P329172	
		Carbaryl**	12	UQ	ng	P329172	
		Carbofuran**	12	UQ	ng	P329172	
		Bentazon**	2.5	UQ	ng	P329172	
		Imidacloprid**	2.5	UQ	ng	P329172	
		3-Hydroxycarbofuran**	12	UQ	ng	P329172	
		Linuron**	12	UQ	ng	P329172	
		Methiocarb**	12	UQ	ng	P329172	
		Methomyl**	12	UQ	ng	P329172	
		Oxamyl**	25	UQ	ng	P329172	
		Acetaminophen**	25	UQ	ng	P329172	
		Propoxur**	12	UQ	ng	P329172	
		MCPP**	6.2	UQ	ng	P329172	
		Triclopyr**	12	UQ	ng	P329172	
		Primidone**	12	UQ	ng	P329172	
		Fluridone**	1.2	UQ	ng	P329172	

Ref. Method and Comment:
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Refer to the narrative for an explanation of QC Codes.
EPA 8276: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Highly weathered Toxaphene pattern is observed in this sample.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Sample expired for analysis due to the decision to expand and include this test.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-ALAFIA **Collection Date/Time: 05/03/2017 09:00**

Field ID: L27158-4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898163	EPA 8270D	Aldrin**	2.5	U	ng	P326511	
		Acetochlor	2.5	U	ng	P326523	
		Alpha-BHC**	1.2	U	ng	P326511	
		Alachlor	2.5	U	ng	P326523	
		Beta-BHC**	1.2	U	ng	P326511	
		Ametryn	3.2	U	ng	P326523	
		Delta-BHC**	0.82	U	ng	P326511	
		Atrazine	2.5	U	ng	P326523	
		Gamma-BHC**	1.2	U	ng	P326511	
		Atrazine Desethyl	15	U	ng	P326523	
		Carbophenothion**	3.8	U	ng	P326511	
		Azinphos Methyl	22	UJ	ng	P326523	LCS, RPD
		Bromacil	5.0	U	ng	P326523	
		Chlorothalonil**	5.0	U	ng	P326511	
		Butylate	4.0	UJ	ng	P326523	LCS, RPD
		Cypermethrin**	6.2	U	ng	P326511	

Field ID: L27158-4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898163	EPA 8270D	Chlorpyrifos Ethyl	3.8	I	ng	P326523	
		DDD-p,p'**	1.2	U	ng	P326511	
		Chlorpyrifos Methyl	1.0	U	ng	P326523	
		DDE-p,p'**	0.82	U	ng	P326511	
		Cyanazine	5.0	U	ng	P326523	
		DDT-p,p'**	3.0	U	ng	P326511	
		Demeton	20	UJ	ng	P326523	LCS
		Dicofol**	5.0	U	ng	P326511	
		Diazinon	1.2	U	ng	P326523	
		Dieldrin**	5.0	U	ng	P326511	
		Disulfoton	3.2	U	ng	P326523	
		Endosulfan I**	5.0	U	ng	P326511	
		EPTC	12	UJ	ng	P326523	CCV, LCS, RPD
		Endosulfan II**	5.0	U	ng	P326511	
		Ethion	15	UJ	ng	P326523	LCS
		Endosulfan Sulfate**	2.5	U	ng	P326511	
		Ethoprop	1.0	U	ng	P326523	
		Endrin**	5.0	U	ng	P326511	
		Fenamiphos	2.5	U	ng	P326523	
		Endrin Aldehyde**	10	U	ng	P326511	
		Fipronil	2.5	U	ng	P326523	
		Heptachlor**	1.2	U	ng	P326511	
		Fipronil Sulfide	15	U	ng	P326523	
		Heptachlor Epoxide**	2.5	U	ng	P326511	
		Fipronil Sulfone	15	U	ng	P326523	
		Methoxychlor**	1.2	U	ng	P326511	
		Fonofos	2.0	U	ng	P326523	
		Mirex**	2.5	U	ng	P326511	
		Hexazinone	5.0	U	ng	P326523	
		Permethrin**	3.0	U	ng	P326511	
		Malathion	3.5	U	ng	P326523	
		Metalaxyl	2.0	U	ng	P326523	
		Trifluralin**	2.0	U	ng	P326511	
		Metolachlor	2.5	U	ng	P326523	
		Metribuzin	2.0	U	ng	P326523	
		Mevinphos	5.0	U	ng	P326523	
		Alpha-Chlordane**	1.2	U	ng	P326511	
		Molinate	3.0	U	ng	P326523	
		Gamma-Chlordane**	1.2	U	ng	P326511	
		Norflurazon	5.0	U	ng	P326523	
		Endrin Ketone**	10	U	ng	P326511	
		Parathion Ethyl	2.5	U	ng	P326523	
		Parathion Methyl	2.5	UJ	ng	P326523	RPD
		Pendimethalin	15	U	ng	P326523	

Field ID: L27158-4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898163	EPA 8270D	Prometon	9.0	U	ng	P326523	
		Prometryn	2.0	U	ng	P326523	
		Phorate	2.5	UJ	ng	P326523	LCS
		Simazine	5.0	U	ng	P326523	
		Terbufos	1.0	U	ng	P326523	
		Terbuthylazine	4.2	U	ng	P326523	
	EPA 8276	Chlordane**	12	U	ng	P326522	
		Toxaphene**	62	U	ng	P326522	
1909930	EPA 8321B	Sucralose**	0.22	UQ	ng	P329189	
		Aldicarb**	120	UQ	ng	P329172	
		2,4-D**	6.2	UQ	ng	P329172	
		Carbamazepine**	1.2	UQ	ng	P329172	
		Aldicarb Sulfone**	12	UQ	ng	P329172	
		Diuron**	2.5	UQ	ng	P329172	
		Aldicarb Sulfoxide**	12	UQ	ng	P329172	
		Fenuron**	25	UQ	ng	P329172	
		Carbaryl**	12	UQ	ng	P329172	
		Carbofuran**	12	UQ	ng	P329172	
		Bentazon**	2.5	UQ	ng	P329172	
		Imidacloprid**	2.5	UQ	ng	P329172	
		3-Hydroxycarbofuran**	12	UQ	ng	P329172	
		Linuron**	12	UQ	ng	P329172	
		Methiocarb**	12	UQ	ng	P329172	
		Methomyl**	12	UQ	ng	P329172	
		Oxamyl**	25	UQ	ng	P329172	
		Acetaminophen**	25	UQ	ng	P329172	
		Propoxur**	12	UQ	ng	P329172	
		MCPP**	6.2	UQ	ng	P329172	
		Triclopyr**	12	UQ	ng	P329172	
		Primidone**	12	UQ	ng	P329172	
		Fluridone**	1.2	UQ	ng	P329172	

Ref. Method and Comment:
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Refer to the narrative for an explanation of QC Codes.
EPA 8276: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Sample expired for analysis due to the decision to expand and include this test.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-APALACH Apalachicola @ Old Victory Bri Collection Date/Time: 05/03/2017 09:00

Field ID: L27158-5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898164	EPA 8270D	Aldrin**	2.5	U	ng	P326511	
		Acetochlor	2.5	U	ng	P326523	

Field ID: L27158-5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898164	EPA 8270D	Alpha-BHC**	1.2	U	ng	P326511	
		Alachlor	2.5	U	ng	P326523	
		Beta-BHC**	1.2	U	ng	P326511	
		Ametryn	3.2	U	ng	P326523	
		Delta-BHC**	0.82	U	ng	P326511	
		Atrazine	2.5	U	ng	P326523	
		Gamma-BHC**	1.2	U	ng	P326511	
		Atrazine Desethyl	15	U	ng	P326523	
		Carbophenothion**	3.8	U	ng	P326511	
		Azinphos Methyl	22	UJ	ng	P326523	LCS, RPD
		Bromacil	5.0	U	ng	P326523	
		Chlorothalonil**	5.0	U	ng	P326511	
		Butylate	4.0	UJ	ng	P326523	LCS, RPD
		Cypermethrin**	6.2	U	ng	P326511	
		Chlorpyrifos Ethyl	27		ng	P326523	
		DDD-p,p'**	1.8	I	ng	P326511	
		Chlorpyrifos Methyl	1.0	U	ng	P326523	
		DDE-p,p'**	8.8		ng	P326511	
		Cyanazine	5.0	U	ng	P326523	
		DDT-p,p'**	3.0	U	ng	P326511	
		Demeton	20	UJ	ng	P326523	LCS
		Dicofol**	5.0	U	ng	P326511	
		Diazinon	1.2	U	ng	P326523	
		Dieldrin**	9.7	I	ng	P326511	
		Disulfoton	3.2	U	ng	P326523	
		Endosulfan I**	5.0	U	ng	P326511	
		EPTC	12	UJ	ng	P326523	CCV, LCS, RPD
		Endosulfan II**	5.0	U	ng	P326511	
		Ethion	15	UJ	ng	P326523	LCS
		Endosulfan Sulfate**	2.5	U	ng	P326511	
		Ethoprop	1.0	U	ng	P326523	
		Endrin**	5.0	U	ng	P326511	
		Fenamiphos	2.5	U	ng	P326523	
		Endrin Aldehyde**	10	U	ng	P326511	
		Fipronil	2.5	U	ng	P326523	
		Heptachlor**	1.2	U	ng	P326511	
		Fipronil Sulfide	15	U	ng	P326523	
		Heptachlor Epoxide**	2.5	U	ng	P326511	
		Fipronil Sulfone	15	U	ng	P326523	
		Methoxychlor**	1.2	U	ng	P326511	
		Fonofos	2.0	U	ng	P326523	
		Mirex**	2.5	U	ng	P326511	
		Hexazinone	5.0	U	ng	P326523	
		Permethrin**	3.0	U	ng	P326511	

Field ID: L27158-5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898164	EPA 8270D	Malathion	3.5	U	ng	P326523	
		Metalaxyl	2.0	U	ng	P326523	
		Trifluralin**	3.9	I	ng	P326511	
		Metolachlor	2.5	U	ng	P326523	
		Metribuzin	2.0	U	ng	P326523	
		Mevinphos	5.0	U	ng	P326523	
		Alpha-Chlordane**	1.8	I	ng	P326511	
		Molinate	3.0	U	ng	P326523	
		Gamma-Chlordane**	1.4	I	ng	P326511	
		Norflurazon	5.0	U	ng	P326523	
		Endrin Ketone**	10	U	ng	P326511	
		Parathion Ethyl	2.5	U	ng	P326523	
		Parathion Methyl	2.5	UJ	ng	P326523	RPD
		Pendimethalin	24	I	ng	P326523	
		Prometon	9.0	U	ng	P326523	
		Prometryn	2.0	U	ng	P326523	
		Phorate	2.5	UJ	ng	P326523	LCS
		Simazine	5.0	U	ng	P326523	
		Terbufos	1.0	U	ng	P326523	
		Terbuthylazine	4.2	U	ng	P326523	
	EPA 8276	Chlordane**	20	I	ng	P326522	
		Toxaphene**	150	I	ng	P326522	
1909931	EPA 8321B	Sucralose**	0.22	UQ	ng	P329189	
		Aldicarb**	120	UQ	ng	P329172	
		2,4-D**	6.2	UQ	ng	P329172	
		Carbamazepine**	1.2	UQ	ng	P329172	
		Aldicarb Sulfone**	12	UQ	ng	P329172	
		Diuron**	2.5	UQ	ng	P329172	
		Aldicarb Sulfoxide**	12	UQ	ng	P329172	
		Fenuron**	25	UQ	ng	P329172	
		Carbaryl**	12	UQ	ng	P329172	
		Carbofuran**	12	UQ	ng	P329172	
		Bentazon**	2.5	UQ	ng	P329172	
		Imidacloprid**	2.5	UQ	ng	P329172	
		3-Hydroxycarbofuran**	12	UQ	ng	P329172	
		Linuron**	12	UQ	ng	P329172	
		Methiocarb**	12	UQ	ng	P329172	
		Methomyl**	12	UQ	ng	P329172	
		Oxamyl**	25	UQ	ng	P329172	
		Acetaminophen**	25	UQ	ng	P329172	
		Propoxur**	12	UQ	ng	P329172	
		MCPP**	6.2	UQ	ng	P329172	
		Triclopyr**	12	UQ	ng	P329172	
		Primidone**	12	UQ	ng	P329172	
		Fluridone**	1.2	UQ	ng	P329172	

Field ID: L27158-5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes

Ref. Method and Comment:
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Refer to the narrative for an explanation of QC Codes.
EPA 8276: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Highly weathered Toxaphene pattern is observed in this sample.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Sample expired for analysis due to the decision to expand and include this test.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: QA/QC BLANK PASSIVE FIELD **Collection Date/Time: 05/03/2017 09:00**

Field ID: L27158-6 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898165	EPA 8270D	Aldrin**	2.5	U	ng	P326511	
		Acetochlor	2.5	U	ng	P326523	
		Alpha-BHC**	1.2	U	ng	P326511	
		Alachlor	2.5	U	ng	P326523	
		Beta-BHC**	1.2	U	ng	P326511	
		Ametryn	3.2	U	ng	P326523	
		Delta-BHC**	0.82	U	ng	P326511	
		Atrazine	2.5	U	ng	P326523	
		Gamma-BHC**	1.2	U	ng	P326511	
		Atrazine Desethyl	15	U	ng	P326523	
		Carbophenothion**	3.8	U	ng	P326511	
		Azinphos Methyl	22	UJ	ng	P326523	LCS, RPD
		Bromacil	5.0	U	ng	P326523	
		Chlorothalonil**	5.0	U	ng	P326511	
		Butylate	4.0	UJ	ng	P326523	LCS, RPD
		Cypermethrin**	6.2	U	ng	P326511	
		Chlorpyrifos Ethyl	2.5	U	ng	P326523	
		DDD-p,p'**	1.2	U	ng	P326511	
		Chlorpyrifos Methyl	1.0	U	ng	P326523	
		DDE-p,p'**	0.82	U	ng	P326511	
		Cyanazine	5.0	U	ng	P326523	
		DDT-p,p'**	3.0	U	ng	P326511	
		Demeton	20	UJ	ng	P326523	LCS
		Dicofol**	5.0	U	ng	P326511	
		Diazinon	1.2	U	ng	P326523	
		Dieldrin**	5.0	U	ng	P326511	
		Disulfoton	3.2	U	ng	P326523	
		Endosulfan I**	5.0	U	ng	P326511	
		EPTC	12	UJ	ng	P326523	CCV, LCS, RPD
		Endosulfan II**	5.0	U	ng	P326511	
		Ethion	15	UJ	ng	P326523	LCS
		Endosulfan Sulfate**	2.5	U	ng	P326511	

Field ID: L27158-6 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898165	EPA 8270D	Ethoprop	1.0	U	ng	P326523	
		Endrin**	5.0	U	ng	P326511	
		Fenamiphos	2.5	U	ng	P326523	
		Endrin Aldehyde**	10	U	ng	P326511	
		Fipronil	2.5	U	ng	P326523	
		Heptachlor**	1.2	U	ng	P326511	
		Fipronil Sulfide	15	U	ng	P326523	
		Heptachlor Epoxide**	2.5	U	ng	P326511	
		Fipronil Sulfone	15	U	ng	P326523	
		Methoxychlor**	1.2	U	ng	P326511	
		Fonofos	2.0	U	ng	P326523	
		Mirex**	2.5	U	ng	P326511	
		Hexazinone	5.0	U	ng	P326523	
		Permethrin**	3.0	U	ng	P326511	
		Malathion	3.5	U	ng	P326523	
		Metalaxyl	2.0	U	ng	P326523	
		Trifluralin**	2.0	U	ng	P326511	
		Metolachlor	2.5	U	ng	P326523	
		Metribuzin	2.0	U	ng	P326523	
		Mevinphos	5.0	U	ng	P326523	
		Alpha-Chlordane**	1.2	U	ng	P326511	
		Molinate	3.0	U	ng	P326523	
		Gamma-Chlordane**	1.2	U	ng	P326511	
		Norflurazon	5.0	U	ng	P326523	
		Endrin Ketone**	10	U	ng	P326511	
		Parathion Ethyl	2.5	U	ng	P326523	
		Parathion Methyl	2.5	UJ	ng	P326523	RPD
		Pendimethalin	15	U	ng	P326523	
		Prometon	9.0	U	ng	P326523	
		Prometryn	2.0	U	ng	P326523	
		Phorate	2.5	UJ	ng	P326523	LCS
		Simazine	5.0	U	ng	P326523	
		Terbufos	1.0	U	ng	P326523	
		Terbuthylazine	4.2	U	ng	P326523	
	EPA 8276	Chlordane**	12	U	ng	P326522	
		Toxaphene**	62	U	ng	P326522	
1909932	EPA 8321B	Sucralose**	0.22	UQ	ng	P329189	
		Aldicarb**	120	UQ	ng	P329172	
		2,4-D**	6.2	UQ	ng	P329172	
		Carbamazepine**	1.2	UQ	ng	P329172	
		Aldicarb Sulfone**	12	UQ	ng	P329172	
		Diuron**	2.5	UQ	ng	P329172	
		Aldicarb Sulfoxide**	12	UQ	ng	P329172	
		Fenuron**	25	UQ	ng	P329172	
		Carbaryl**	12	UQ	ng	P329172	

Field ID: L27158-6 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909932	EPA 8321B	Carbofuran**	12	UQ	ng	P329172	
		Bentazon**	2.5	UQ	ng	P329172	
		Imidacloprid**	2.5	UQ	ng	P329172	
		3-Hydroxycarbofuran**	12	UQ	ng	P329172	
		Linuron**	12	UQ	ng	P329172	
		Methiocarb**	12	UQ	ng	P329172	
		Methomyl**	12	UQ	ng	P329172	
		Oxamyl**	25	UQ	ng	P329172	
		Acetaminophen**	25	UQ	ng	P329172	
		Propoxur**	12	UQ	ng	P329172	
		MCPP**	6.2	UQ	ng	P329172	
		Triclopyr**	12	UQ	ng	P329172	
		Primidone**	12	UQ	ng	P329172	
		Fluridone**	1.2	UQ	ng	P329172	

Ref. Method and Comment:
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8270D: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Refer to the narrative for an explanation of QC Codes.
EPA 8276: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Sample expired for analysis due to the decision to expand and include this test.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per SPMD disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-WITHLAC SR150@Bellville Bridge **Collection Date/Time: 05/02/2017 15:30**

Field ID: L27159-1 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898156	EPA 8321B	Sucralose**	150		ng	P327549	MS, RPD
		Aldicarb**	120	U	ng	P325634	
		2,4-D**	4.5	I	ng	P325634	
		Glyphosate**	240	U	ng	P327553	
		Carbamazepine**	27		ng	P325634	
		Aldicarb Sulfone**	12	U	ng	P325634	
		Diuron**	51		ng	P325634	
		Aldicarb Sulfoxide**	12	U	ng	P325634	
		Fenuron**	12	U	ng	P325634	
		Carbaryl**	12	U	ng	P325634	
		Carbofuran**	12	U	ng	P325634	
		Bentazon**	2.4	U	ng	P325634	
		Imidacloprid**	29		ng	P325634	
		3-Hydroxycarbofuran**	12	U	ng	P325634	
		Linuron**	12	U	ng	P325634	
		Methiocarb**	12	U	ng	P325634	
		Methomyl**	12	U	ng	P325634	
		Oxamyl**	24	U	ng	P325634	
		Acetaminophen**	24	U	ng	P325634	

Field ID: L27159-1 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898156	EPA 8321B	Propoxur**	12	U	ng	P325634	
		MCPP**	5.9	U	ng	P325634	
		Triclopyr**	12	U	ng	P325634	
		Primidone**	12	U	ng	P325634	
		Fluridone**	62		ng	P325634	
1909923	EPA 8270D	Acetochlor	3.9	IQ	ng	P327868	
		Alachlor	2.4	UQ	ng	P327868	
		Ametryn	3.1	UQ	ng	P327868	
		Atrazine	150	Q	ng	P327868	
		Atrazine Desethyl	14	UQ	ng	P327868	
		Azinphos Methyl	21	UQ	ng	P327868	
		Bromacil	16	IQ	ng	P327868	
		Butylate	3.8	UQJ	ng	P327868	LCS
		Chlorpyrifos Ethyl	2.4	UQ	ng	P327868	
		Chlorpyrifos Methyl	0.94	UQJ	ng	P327868	LCS
		Cyanazine	4.7	UQ	ng	P327868	
		Demeton	19	UQ	ng	P327868	
		Diazinon	1.2	UQ	ng	P327868	
		Disulfoton	3.1	UQ	ng	P327868	
		EPTC	12	UQJ	ng	P327868	LCS
		Ethion	14	UQ	ng	P327868	
		Ethoprop	0.94	UQ	ng	P327868	
		Fenamiphos	2.4	UQ	ng	P327868	
		Fipronil	4.1	IQ	ng	P327868	
		Fipronil Sulfide	14	UQ	ng	P327868	
		Fipronil Sulfone	14	UQ	ng	P327868	
		Fonofos	1.9	UQJ	ng	P327868	LCS
		Hexazinone	4.7	UQ	ng	P327868	
		Malathion	3.3	UQ	ng	P327868	
		Metalaxyl	33	Q	ng	P327868	
		Metolachlor	130	Q	ng	P327868	
		Metribuzin	1.9	UQ	ng	P327868	
		Mevinphos	4.7	UQJ	ng	P327868	LCS
		Molinate	2.8	UQJ	ng	P327868	LCS
		Norflurazon	4.7	UQ	ng	P327868	
		Parathion Ethyl	2.4	UQ	ng	P327868	
		Parathion Methyl	2.4	UQJ	ng	P327868	LCS
		Pendimethalin	14	UQ	ng	P327868	
		Prometon	11	IQ	ng	P327868	
		Prometryn	1.9	UQ	ng	P327868	
		Phorate	2.4	UQJ	ng	P327868	LCS
		Simazine	17	IQ	ng	P327868	
		Terbufos	0.94	UQJ	ng	P327868	LCS
		Terbuthylazine	4.0	UQ	ng	P327868	

Field ID: L27159-1 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes

Ref. Method and Comment:
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample was available to perform matrix spikes.
EPA 8270D: Refer to the narrative for an explanation of QC Codes. The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-OCHLCK Ochlockonee River@CR12 **Collection Date/Time: 05/02/2017 15:30**

Field ID: L27159-2 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898157	EPA 8321B	Sucralose**	260		ng	P327549	MS, RPD
		Aldicarb**	120	U	ng	P325634	
		2,4-D**	2.4	U	ng	P325634	
		Glyphosate**	240	U	ng	P327553	
		Carbamazepine**	36		ng	P325634	
		Aldicarb Sulfone**	12	U	ng	P325634	
		Diuron**	51		ng	P325634	
		Aldicarb Sulfoxide**	12	U	ng	P325634	
		Fenuron**	12	U	ng	P325634	
		Carbaryl**	12	U	ng	P325634	
		Carbofuran**	12	U	ng	P325634	
		Bentazon**	2.4	U	ng	P325634	
		Imidacloprid**	26		ng	P325634	
		3-Hydroxycarbofuran**	12	U	ng	P325634	
		Linuron**	12	U	ng	P325634	
		Methiocarb**	12	U	ng	P325634	
		Methomyl**	12	U	ng	P325634	
		Oxamyl**	24	U	ng	P325634	
		Acetaminophen**	24	U	ng	P325634	
		Propoxur**	12	U	ng	P325634	
		MCPP**	5.9	U	ng	P325634	
		Triclopyr**	12	U	ng	P325634	
		Primidone**	12	U	ng	P325634	
		Fluridone**	1.2	U	ng	P325634	
1909924	EPA 8270D	Acetochlor	16	JQ	ng	P327868	SUR
		Alachlor	2.4	UJQ	ng	P327868	SUR
		Ametryn	3.1	UJQ	ng	P327868	SUR
		Atrazine	61	JQ	ng	P327868	SUR
		Atrazine Desethyl	14	UJQ	ng	P327868	SUR
		Azinphos Methyl	21	UQ	ng	P327868	
		Bromacil	17	IJQ	ng	P327868	SUR
		Butylate	3.8	UJQ	ng	P327868	LCS, SUR
		Chlorpyrifos Ethyl	2.4	UQ	ng	P327868	
		Chlorpyrifos Methyl	0.94	UQJ	ng	P327868	LCS
		Cyanazine	4.7	UJQ	ng	P327868	SUR

Field ID: L27159-2 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909924	EPA 8270D	Demeton	19	UQ	ng	P327868	
		Diazinon	1.2	UQ	ng	P327868	
		Disulfoton	3.1	UQ	ng	P327868	
		EPTC	12	UJQ	ng	P327868	LCS, SUR
		Ethion	14	UQ	ng	P327868	
		Ethoprop	0.94	UQ	ng	P327868	
		Fenamiphos	2.4	UQ	ng	P327868	
		Fipronil	2.4	UJQ	ng	P327868	SUR
		Fipronil Sulfide	14	UJQ	ng	P327868	SUR
		Fipronil Sulfone	14	UJQ	ng	P327868	SUR
		Fonofos	1.9	UQJ	ng	P327868	LCS
		Hexazinone	4.7	UJQ	ng	P327868	SUR
		Malathion	3.3	UQ	ng	P327868	
		Metalaxyl	7.4	IJQ	ng	P327868	SUR
		Metolachlor	330	JQ	ng	P327868	SUR
		Metribuzin	1.9	UJQ	ng	P327868	SUR
		Mevinphos	4.7	UQJ	ng	P327868	LCS
		Molinate	2.8	UJQ	ng	P327868	LCS, SUR
		Norflurazon	4.7	UJQ	ng	P327868	SUR
		Parathion Ethyl	2.4	UQ	ng	P327868	
		Parathion Methyl	2.4	UQJ	ng	P327868	LCS
		Pendimethalin	14	UJQ	ng	P327868	SUR
		Prometon	68	JQ	ng	P327868	SUR
		Prometryn	1.9	UJQ	ng	P327868	SUR
		Phorate	2.4	UQJ	ng	P327868	LCS
		Simazine	4.9	IJQ	ng	P327868	SUR
		Terbufos	0.94	UQJ	ng	P327868	LCS
		Terbuthylazine	4.0	UJQ	ng	P327868	SUR

Ref. Method and Comment:
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample was available to perform matrix spikes.
EPA 8270D: Refer to the narrative for an explanation of QC Codes. The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-ALAFIA **Collection Date/Time: 05/02/2017 15:30**

Field ID: L27159-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898158	EPA 8321B	Sucralose**	340		ng	P327549	MS, RPD
		Aldicarb**	120	U	ng	P325634	
		2,4-D**	2.4	U	ng	P325634	
		Glyphosate**	240	U	ng	P327553	
		Carbamazepine**	16		ng	P325634	
		Aldicarb Sulfone**	12	U	ng	P325634	
		Diuron**	12		ng	P325634	

Field ID: L27159-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898158	EPA 8321B	Aldicarb Sulfoxide**	12	U	ng	P325634	
		Fenuron**	12	U	ng	P325634	
		Carbaryl**	12	U	ng	P325634	
		Carbofuran**	12	U	ng	P325634	
		Bentazon**	16		ng	P325634	
		Imidacloprid**	47		ng	P325634	
		3-Hydroxycarbofuran**	12	U	ng	P325634	
		Linuron**	12	U	ng	P325634	
		Methiocarb**	12	U	ng	P325634	
		Methomyl**	12	U	ng	P325634	
		Oxamyl**	24	U	ng	P325634	
		Acetaminophen**	24	U	ng	P325634	
		Propoxur**	12	U	ng	P325634	
		MCPP**	5.9	U	ng	P325634	
		Triclopyr**	12	U	ng	P325634	
		Primidone**	12	U	ng	P325634	
		Fluridone**	28		ng	P325634	
1909925	EPA 8270D	Acetochlor	2.4	UQ	ng	P327868	
		Alachlor	2.4	UQ	ng	P327868	
		Ametryn	3.1	UQ	ng	P327868	
		Atrazine	45	Q	ng	P327868	
		Atrazine Desethyl	14	UQ	ng	P327868	
		Azinphos Methyl	21	UQ	ng	P327868	
		Bromacil	80	Q	ng	P327868	
		Butylate	3.8	UQJ	ng	P327868	LCS
		Chlorpyrifos Ethyl	2.4	UQ	ng	P327868	
		Chlorpyrifos Methyl	0.94	UQJ	ng	P327868	LCS
		Cyanazine	4.7	UQ	ng	P327868	
		Demeton	19	UQ	ng	P327868	
		Diazinon	1.2	UQ	ng	P327868	
		Disulfoton	3.1	UQ	ng	P327868	
		EPTC	12	UQJ	ng	P327868	LCS
		Ethion	14	UQ	ng	P327868	
		Ethoprop	0.94	UQ	ng	P327868	
		Fenamiphos	2.4	UQ	ng	P327868	
		Fipronil	2.4	UQ	ng	P327868	
		Fipronil Sulfide	14	UQ	ng	P327868	
		Fipronil Sulfone	14	UQ	ng	P327868	
		Fonofos	1.9	UQJ	ng	P327868	LCS
		Hexazinone	4.7	UQ	ng	P327868	
		Malathion	3.3	UQ	ng	P327868	
		Metalaxyl	22	Q	ng	P327868	
		Metolachlor	30	Q	ng	P327868	
		Metribuzin	1.9	UQ	ng	P327868	
		Mevinphos	4.7	UQJ	ng	P327868	LCS

Field ID: L27159-3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909925	EPA 8270D	Molinate	2.8	UQJ	ng	P327868	LCS
		Norflurazon	18	IQ	ng	P327868	
		Parathion Ethyl	2.4	UQ	ng	P327868	
		Parathion Methyl	2.4	UQJ	ng	P327868	LCS
		Pendimethalin	14	UQ	ng	P327868	
		Prometon	8.5	UQ	ng	P327868	
		Prometryn	1.9	UQ	ng	P327868	
		Phorate	2.4	UQJ	ng	P327868	LCS
		Simazine	5.8	IQ	ng	P327868	
		Terbufos	0.94	UQJ	ng	P327868	LCS
		Terbuthylazine	4.0	UQ	ng	P327868	

Ref. Method and Comment:
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample was available to perform matrix spikes.
EPA 8270D: Refer to the narrative for an explanation of QC Codes. The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: SP-APALACH Apalachicola @ Old Victory Bridge **Collection Date/Time: 05/02/2017 15:30**

Field ID: L27159-4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898159	EPA 8321B	Sucralose**	310		ng	P327549	MS, RPD
		Aldicarb**	120	U	ng	P325634	
		2,4-D**	3.1	I	ng	P325634	
		Glyphosate**	240	U	ng	P327553	
		Carbamazepine**	25		ng	P325634	
		Aldicarb Sulfone**	12	U	ng	P325634	
		Diuron**	34		ng	P325634	
		Aldicarb Sulfoxide**	12	U	ng	P325634	
		Fenuron**	12	U	ng	P325634	
		Carbaryl**	12	U	ng	P325634	
		Carbofuran**	12	U	ng	P325634	
		Bentazon**	2.4	U	ng	P325634	
		Imidacloprid**	7.8	I	ng	P325634	
		3-Hydroxycarbofuran**	12	U	ng	P325634	
		Linuron**	12	U	ng	P325634	
		Methiocarb**	12	U	ng	P325634	
		Methomyl**	12	U	ng	P325634	
		Oxamyl**	24	U	ng	P325634	
		Acetaminophen**	24	U	ng	P325634	
		Propoxur**	12	U	ng	P325634	
		MCPP**	5.9	U	ng	P325634	
		Triclopyr**	12	U	ng	P325634	
		Primidone**	12	U	ng	P325634	
		Fluridone**	13		ng	P325634	

Field ID: L27159-4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909926	EPA 8270D	Acetochlor	2.9	IQ	ng	P327868	
		Alachlor	2.4	UQ	ng	P327868	
		Ametryn	3.1	UQ	ng	P327868	
		Atrazine	70	Q	ng	P327868	
		Atrazine Desethyl	14	UQ	ng	P327868	
		Azinphos Methyl	21	UQ	ng	P327868	
		Bromacil	12	IQ	ng	P327868	
		Butylate	3.8	UQJ	ng	P327868	LCS
		Chlorpyrifos Ethyl	2.4	UQ	ng	P327868	
		Chlorpyrifos Methyl	0.94	UQJ	ng	P327868	LCS
		Cyanazine	4.7	UQ	ng	P327868	
		Demeton	19	UQ	ng	P327868	
		Diazinon	1.2	UQ	ng	P327868	
		Disulfoton	3.1	UQ	ng	P327868	
		EPTC	12	UQJ	ng	P327868	LCS
		Ethion	14	UQ	ng	P327868	
		Ethoprop	0.94	UQ	ng	P327868	
		Fenamiphos	2.4	UQ	ng	P327868	
		Fipronil	2.4	UQ	ng	P327868	
		Fipronil Sulfide	14	UQ	ng	P327868	
		Fipronil Sulfone	14	UQ	ng	P327868	
		Fonofos	1.9	UQJ	ng	P327868	LCS
		Hexazinone	4.7	UQ	ng	P327868	
		Malathion	3.3	UQ	ng	P327868	
		Metalaxyl	2.7	IQ	ng	P327868	
		Metolachlor	33	Q	ng	P327868	
		Metribuzin	1.9	UQ	ng	P327868	
		Mevinphos	4.7	UQJ	ng	P327868	LCS
		Molinate	2.8	UQJ	ng	P327868	LCS
		Norflurazon	4.7	UQ	ng	P327868	
		Parathion Ethyl	2.4	UQ	ng	P327868	
		Parathion Methyl	2.4	UQJ	ng	P327868	LCS
		Pendimethalin	14	UQ	ng	P327868	
		Prometon	8.5	UQ	ng	P327868	
		Prometryn	1.9	UQ	ng	P327868	
		Phorate	2.4	UQJ	ng	P327868	LCS
		Simazine	120	Q	ng	P327868	
		Terbufos	0.94	UQJ	ng	P327868	LCS
		Terbuthylazine	4.0	UQ	ng	P327868	

Ref. Method and Comment:
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample was available to perform matrix spikes.
EPA 8270D: Refer to the narrative for an explanation of QC Codes. The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample available to perform matrix spikes. Sample expired for analysis due to the decision to expand and include this test.

Sample Location: QA/QC BLANK PASSIVE FIELD **Collection Date/Time: 05/02/2017 15:30**

Field ID: L27159-5 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1898160	EPA 8321B	Sucralose**	0.24	U	ng	P327549	MS, RPD
		Aldicarb**	120	U	ng	P325634	
		2,4-D**	2.4	U	ng	P325634	
		Glyphosate**	240	U	ng	P327553	
		Carbamazepine**	1.2	U	ng	P325634	
		Aldicarb Sulfone**	12	U	ng	P325634	
		Diuron**	2.4	U	ng	P325634	
		Aldicarb Sulfoxide**	12	U	ng	P325634	
		Fenuron**	12	U	ng	P325634	
		Carbaryl**	12	U	ng	P325634	
		Carbofuran**	12	U	ng	P325634	
		Bentazon**	2.4	U	ng	P325634	
		Imidacloprid**	2.4	U	ng	P325634	
		3-Hydroxycarbofuran**	12	U	ng	P325634	
		Linuron**	12	U	ng	P325634	
		Methiocarb**	12	U	ng	P325634	
		Methomyl**	12	U	ng	P325634	
		Oxamyl**	24	U	ng	P325634	
		Acetaminophen**	24	U	ng	P325634	
		Propoxur**	12	U	ng	P325634	
		MCPP**	5.9	U	ng	P325634	
		Triclopyr**	12	U	ng	P325634	
		Primidone**	12	U	ng	P325634	
		Fluridone**	1.2	U	ng	P325634	
1909927	EPA 8270D	Acetochlor	2.4	UQ	ng	P327868	
		Alachlor	2.4	UQ	ng	P327868	
		Ametryn	3.1	UQ	ng	P327868	
		Atrazine	2.4	UQ	ng	P327868	
		Atrazine Desethyl	14	UQ	ng	P327868	
		Azinphos Methyl	21	UJQ	ng	P327868	SUR
		Bromacil	4.7	UQ	ng	P327868	
		Butylate	3.8	UQJ	ng	P327868	LCS
		Chlorpyrifos Ethyl	2.4	UJQ	ng	P327868	SUR
		Chlorpyrifos Methyl	0.94	UJQ	ng	P327868	LCS, SUR
		Cyanazine	4.7	UQ	ng	P327868	
		Demeton	19	UJQ	ng	P327868	SUR
		Diazinon	1.2	UJQ	ng	P327868	SUR
		Disulfoton	3.1	UJQ	ng	P327868	SUR
		EPTC	12	UQJ	ng	P327868	LCS
		Ethion	14	UJQ	ng	P327868	SUR
		Ethoprop	0.94	UJQ	ng	P327868	SUR
		Fenamiphos	2.4	UJQ	ng	P327868	SUR
		Fipronil	2.4	UQ	ng	P327868	
		Fipronil Sulfide	14	UQ	ng	P327868	
		Fipronil Sulfone	14	UQ	ng	P327868	

Field ID: L27159-5 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1909927	EPA 8270D	Fonofos	1.9	UJQ	ng	P327868	LCS, SUR
		Hexazinone	4.7	UQ	ng	P327868	
		Malathion	3.3	UJQ	ng	P327868	SUR
		Metalaxyl	1.9	UQ	ng	P327868	
		Metolachlor	2.4	UQ	ng	P327868	
		Metribuzin	1.9	UQ	ng	P327868	
		Mevinphos	4.7	UJQ	ng	P327868	LCS, SUR
		Molinate	2.8	UQJ	ng	P327868	LCS
		Norflurazon	4.7	UQ	ng	P327868	
		Parathion Ethyl	2.4	UJQ	ng	P327868	SUR
		Parathion Methyl	2.4	UJQ	ng	P327868	LCS, SUR
		Pendimethalin	14	UQ	ng	P327868	
		Prometon	8.5	UQ	ng	P327868	
		Prometryn	1.9	UQ	ng	P327868	
		Phorate	2.4	UJQ	ng	P327868	LCS, SUR
		Simazine	4.7	UQ	ng	P327868	
		Terbufos	0.94	UJQ	ng	P327868	LCS, SUR
		Terbuthylazine	4.0	UQ	ng	P327868	

Ref. Method and Comment:
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk.
EPA 8321B: The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample was available to perform matrix spikes.
EPA 8270D: Refer to the narrative for an explanation of QC Codes. The extract for this sample was received from SGS AXYS. The results are reported per POCIS disk. Insufficient sample available to perform matrix spikes.Sample expired for analysis due to the decision to expand and include this test.

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270D
Batch ID: P326511

Component	Result	Code	Units
Aldrin	1.0	U	ng
Alpha-BHC	0.50	U	ng
Alpha-Chlordane	0.50	U	ng
Beta-BHC	0.50	U	ng
Carbophenothion	1.5	U	ng
Chlorothalonil	2.0	U	ng
Cypermethrin	2.5	U	ng
DDD-p,p'	0.50	U	ng
DDE-p,p'	0.33	U	ng
DDT-p,p'	1.2	U	ng
Delta-BHC	0.33	U	ng
Dicofol	2.0	U	ng
Dieldrin	2.0	U	ng
Endosulfan I	2.0	U	ng
Endosulfan II	2.0	U	ng
Endosulfan Sulfate	1.0	U	ng
Endrin	2.0	U	ng
Endrin Aldehyde	4.0	U	ng
Endrin Ketone	4.0	U	ng

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270D
Batch ID: P326511

Component	Result	Code	Units
Gamma-BHC	0.50	U	ng
Gamma-Chlordane	0.50	U	ng
Heptachlor	0.50	U	ng
Heptachlor Epoxide	1.0	U	ng
Methoxychlor	0.50	U	ng
Mirex	1.0	U	ng
Permethrin	1.2	U	ng
Trifluralin	0.80	U	ng

Reference Method: EPA 8270D
Batch ID: P326523

Component	Result	Code	Units
Acetochlor	1.0	U	ng
Alachlor	1.0	U	ng
Ametryn	1.3	U	ng
Atrazine	1.0	U	ng
Atrazine Desethyl	6.0	U	ng
Azinphos Methyl	9.0	U	ng
Bromacil	2.0	U	ng
Butylate	1.6	U	ng
Chlorpyrifos Ethyl	1.0	U	ng
Chlorpyrifos Methyl	0.40	U	ng
Cyanazine	2.0	U	ng
Demeton	8.0	U	ng
Diazinon	0.50	U	ng
Disulfoton	1.3	U	ng
EPTC	5.0	U	ng
Ethion	6.0	U	ng
Ethoprop	0.40	U	ng
Fenamiphos	1.0	U	ng
Fipronil	1.0	U	ng
Fipronil Sulfide	6.0	U	ng
Fipronil Sulfone	6.0	U	ng
Fonofos	0.80	U	ng
Hexazinone	2.0	U	ng
Malathion	1.4	U	ng
Metalaxyl	0.80	U	ng
Metolachlor	1.0	U	ng
Metribuzin	0.80	U	ng
Mevinphos	2.0	U	ng
Molinate	1.2	U	ng
Norflurazon	2.0	U	ng
Parathion Ethyl	1.0	U	ng
Parathion Methyl	1.0	U	ng
Pendimethalin	6.0	U	ng
Phorate	1.0	U	ng
Prometon	3.6	U	ng
Prometryn	0.80	U	ng
Simazine	2.0	U	ng
Terbufos	0.40	U	ng
Terbuthylazine	1.7	U	ng

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270D
Batch ID: P327868

Component	Result	Code	Units
Acetochlor	1.2	U	ng
Alachlor	1.2	U	ng
Ametryn	1.5	U	ng
Atrazine	1.2	U	ng
Atrazine Desethyl	7.1	U	ng
Azinphos Methyl	11	U	ng
Bromacil	2.4	U	ng
Butylate	1.9	U	ng
Chlorpyrifos Ethyl	1.2	U	ng
Chlorpyrifos Methyl	0.47	U	ng
Cyanazine	2.4	U	ng
Demeton	9.4	U	ng
Diazinon	0.59	U	ng
Disulfoton	1.5	U	ng
EPTC	5.9	U	ng
Ethion	7.1	U	ng
Ethoprop	0.47	U	ng
Fenamiphos	1.2	U	ng
Fipronil	1.2	U	ng
Fipronil Sulfide	7.1	U	ng
Fipronil Sulfone	7.1	U	ng
Fonofos	0.94	U	ng
Hexazinone	2.4	U	ng
Malathion	1.6	U	ng
Metalaxyl	0.94	U	ng
Metolachlor	1.2	U	ng
Metribuzin	0.94	U	ng
Mevinphos	2.4	U	ng
Molinate	1.4	U	ng
Norflurazon	2.4	U	ng
Parathion Ethyl	1.2	U	ng
Parathion Methyl	1.2	U	ng
Pendimethalin	7.1	U	ng
Phorate	1.2	U	ng
Prometon	4.2	U	ng
Prometryn	0.94	U	ng
Simazine	2.4	U	ng
Terbufos	0.47	U	ng
Terbuthylazine	2.0	U	ng

Reference Method: EPA 8276
Batch ID: P326522

Component	Result	Code	Units
Chlordane	5.0	U	ng
Toxaphene	25	U	ng

Reference Method: EPA 8321B
Batch ID: P325634

Component	Result	Code	Units
2,4-D	1.2	U	ng

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P325634

Component	Result	Code	Units
3-Hydroxycarbofuran	5.9	U	ng
Acetaminophen	12	U	ng
Aldicarb	59	U	ng
Aldicarb Sulfone	5.9	U	ng
Aldicarb Sulfoxide	5.9	U	ng
Bentazon	1.2	U	ng
Carbamazepine	0.59	U	ng
Carbaryl	5.9	U	ng
Carbofuran	5.9	U	ng
Diuron	1.2	U	ng
Fenuron	5.9	U	ng
Fluridone	0.59	U	ng
Imidacloprid	1.2	U	ng
Linuron	5.9	U	ng
MCPP	2.9	U	ng
Methiocarb	5.9	U	ng
Methomyl	5.9	U	ng
Oxamyl	12	U	ng
Primidone	5.9	U	ng
Propoxur	5.9	U	ng
Triclopyr	5.9	U	ng

Reference Method: EPA 8321B
Batch ID: P327549

Component	Result	Code	Units
Sucralose	0.12	U	ng

Reference Method: EPA 8321B
Batch ID: P327553

Component	Result	Code	Units
Glyphosate	120	U	ng

Reference Method: EPA 8321B
Batch ID: P329172

Component	Result	Code	Units
2,4-D	2.5	U	ng
3-Hydroxycarbofuran	5.0	U	ng
Acetaminophen	10	U	ng
Aldicarb	50	U	ng
Aldicarb Sulfone	5.0	U	ng
Aldicarb Sulfoxide	5.0	U	ng
Bentazon	1.0	U	ng
Carbamazepine	0.50	U	ng
Carbaryl	5.0	U	ng
Carbofuran	5.0	U	ng
Diuron	1.0	U	ng
Fenuron	10	U	ng
Fluridone	0.50	U	ng
Imidacloprid	1.0	U	ng

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P329172

Component	Result	Code	Units
Linuron	5.0	U	ng
MCPP	2.5	U	ng
Methiocarb	5.0	U	ng
Methomyl	5.0	U	ng
Oxamyl	10	U	ng
Primidone	5.0	U	ng
Propoxur	5.0	U	ng
Triclopyr	5.0	U	ng

Reference Method: EPA 8321B
Batch ID: P329189

Component	Result	Code	Units
Sucralose	0.090	U	ng

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270D
Batch ID: P326511

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	80.0	88.5	P/P	70 - 130
Alpha-BHC	86.3	86.1	P/P	70 - 130
Alpha-Chlordane	87.5	87.9	P/P	70 - 130
Beta-BHC	87.6	81.9	P/P	70 - 130
Carbophenothion	85.6	75.9	P/P	70 - 130
Chlorothalonil	76.1	74.5	P/P	70 - 130
Cypermethrin	82.1	75.2	P/P	70 - 130
DDD-p,p'	88.7	84.3	P/P	70 - 130
DDE-p,p'	80.9	80.2	P/P	70 - 130
DDT-p,p'	83.1	80.4	P/P	70 - 130
Delta-BHC	83.7	83.6	P/P	70 - 130
Dicofol	130	125	P/P	70 - 130
Dieldrin	87.4	87.8	P/P	70 - 130
Endosulfan I	82.8	88.9	P/P	70 - 130
Endosulfan II	71.1	84.8	P/P	70 - 130
Endosulfan Sulfate	84.5	82.7	P/P	70 - 130
Endrin	88.2	92.3	P/P	70 - 130
Endrin Aldehyde	93.9	81.9	P/P	70 - 130
Endrin Ketone	92.6	79.3	P/P	70 - 130
Gamma-BHC	86.4	81.7	P/P	70 - 130
Gamma-Chlordane	83.6	84.9	P/P	70 - 130
Heptachlor	85.7	80.5	P/P	70 - 130
Heptachlor Epoxide	89.6	86.7	P/P	70 - 130
Methoxychlor	81.1	79.1	P/P	70 - 130
Mirex	83.3	80.6	P/P	70 - 130
Permethrin	81.8	78.1	P/P	70 - 130
Trifluralin	81.6	82.9	P/P	70 - 130

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270D
Batch ID: P326523

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	98.3	111	P/P	60 - 140
Alachlor	101	126	P/P	60 - 140
Ametryn	105	134	P/P	60 - 140
Atrazine	100	128	P/P	60 - 140
Atrazine Desethyl	87.8	113	P/P	60 - 140
Azinphos Methyl	115	156	P/F	60 - 140
Bromacil	95.7	128	P/P	60 - 140
Butylate	105	149	P/F	60 - 140
Chlorpyrifos Ethyl	117	125	P/P	60 - 140
Chlorpyrifos Methyl	99.0	112	P/P	60 - 140
Cyanazine	110	135	P/P	60 - 140
Demeton	125	144	P/F	60 - 140
Diazinon	96.9	120	P/P	60 - 140
Disulfoton	116	126	P/P	60 - 140
EPTC	119	165	P/F	60 - 140
Ethion	120	150	P/F	60 - 140
Ethoprop	102	118	P/P	60 - 140
Fenamiphos	104	126	P/P	60 - 140
Fipronil	95.9	117	P/P	60 - 140
Fipronil Sulfide	101	125	P/P	60 - 140
Fipronil Sulfone	102	126	P/P	60 - 140
Fonofos	97.1	113	P/P	60 - 140
Hexazinone	105	124	P/P	60 - 140
Malathion	107	127	P/P	60 - 140
Metalaxyl	98.3	123	P/P	60 - 140
Metolachlor	107	123	P/P	60 - 140
Metribuzin	85.4	105	P/P	60 - 140
Mevinphos	109	129	P/P	60 - 140
Molinate	101	132	P/P	60 - 140
Norflurazon	104	139	P/P	60 - 140
Parathion Ethyl	98.0	129	P/P	60 - 140
Parathion Methyl	89.6	125	P/P	60 - 140
Pendimethalin	105	132	P/P	60 - 140
Phorate	113	142	P/F	60 - 140
Prometon	111	129	P/P	60 - 140
Prometryn	103	128	P/P	60 - 140
Simazine	86.6	101	P/P	60 - 140
Terbufos	116	128	P/P	60 - 140
Terbuthylazine	90.2	120	P/P	60 - 140

Reference Method: EPA 8270D
Batch ID: P327868

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	75.9	66.1	P/P	50 - 120
Alachlor	77.4	66.6	P/P	50 - 120
Ametryn	90.8	83.1	P/P	50 - 120
Atrazine	79.6	73.0	P/P	50 - 120
Atrazine Desethyl	55.1	68.8	P/P	50 - 120
Azinphos Methyl	73.0	59.9	P/P	50 - 120
Bromacil	66.0	74.0	P/P	50 - 120
Butylate	53.2	45.3	P/F	50 - 120

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270D
Batch ID: P327868

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorpyrifos Ethyl	60.5	52.8	P/P	50 - 120
Chlorpyrifos Methyl	53.1	44.0	P/F	50 - 120
Cyanazine	63.2	75.3	P/P	50 - 120
Demeton	61.2	52.8	P/P	50 - 120
Diazinon	71.8	61.6	P/P	50 - 120
Disulfoton	59.8	51.8	P/P	50 - 120
EPTC	49.9	45.8	F/F	50 - 120
Ethion	87.1	81.5	P/P	50 - 120
Ethoprop	66.7	61.6	P/P	50 - 120
Fenamiphos	66.1	68.0	P/P	50 - 120
Fipronil	77.4	73.0	P/P	50 - 120
Fipronil Sulfide	99.1	96.8	P/P	50 - 120
Fipronil Sulfone	73.4	71.4	P/P	50 - 120
Fonofos	51.6	45.6	P/F	50 - 120
Hexazinone	76.3	81.9	P/P	50 - 120
Malathion	72.1	65.9	P/P	50 - 120
Metalaxyl	66.8	71.6	P/P	50 - 120
Metolachlor	87.2	79.4	P/P	50 - 120
Metribuzin	72.6	55.8	P/P	50 - 120
Mevinphos	53.6	48.6	P/F	50 - 120
Molinate	46.2	47.5	F/F	50 - 120
Norflurazon	53.2	60.5	P/P	50 - 120
Parathion Ethyl	66.7	57.7	P/P	50 - 120
Parathion Methyl	55.4	46.3	P/F	50 - 120
Pendimethalin	68.8	63.3	P/P	50 - 120
Phorate	52.6	48.1	P/F	50 - 120
Prometon	78.9	77.5	P/P	50 - 120
Prometryn	93.3	84.3	P/P	50 - 120
Simazine	78.1	68.3	P/P	50 - 120
Terbufos	55.6	49.1	P/F	50 - 120
Terbuthylazine	81.0	75.3	P/P	50 - 120

Reference Method: EPA 8276
Batch ID: P326522

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	90.1	91.7	P/P	70 - 130
Toxaphene	77.0	78.1	P/P	70 - 130

Reference Method: EPA 8321B
Batch ID: P325634

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	113	113	P/P	40 - 150
3-Hydroxycarbofuran	99.2	103	P/P	40 - 150
Acetaminophen	95.2	92.0	P/P	40 - 150
Aldicarb	100	74.8	P/P	30 - 150
Aldicarb Sulfone	97.2	90.0	P/P	40 - 150
Aldicarb Sulfoxide	88.0	90.0	P/P	40 - 150
Bentazon	126	135	P/P	40 - 150
Carbamazepine	107	112	P/P	40 - 150
Carbaryl	106	109	P/P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P325634

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Carbofuran	107	107	P/P	40 - 150
Diuron	106	111	P/P	40 - 150
Fenuron	100	98.8	P/P	40 - 150
Fluridone	112	118	P/P	40 - 150
Imidacloprid	106	107	P/P	40 - 160
Linuron	98.0	112	P/P	40 - 150
MCPP	97.2	103	P/P	40 - 150
Methiocarb	94.8	115	P/P	40 - 150
Methomyl	99.6	98.4	P/P	40 - 150
Oxamyl	101	93.2	P/P	40 - 150
Primidone	98.4	110	P/P	40 - 150
Propoxur	100	104	P/P	40 - 150
Triclopyr	102	106	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P327549

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sucralose	64.0		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P327553

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Glyphosate	102		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P329172

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	98.8	95.6	P/P	40 - 150
3-Hydroxycarbofuran	91.2	93.6	P/P	40 - 150
Acetaminophen	59.2	76.8	P/P	30 - 150
Aldicarb	69.6	74.4	P/P	30 - 150
Aldicarb Sulfone	74.4	77.2	P/P	40 - 150
Aldicarb Sulfoxide	106	88.4	P/P	40 - 150
Bentazon	114	111	P/P	40 - 150
Carbamazepine	95.6	100	P/P	40 - 150
Carbaryl	107	86.4	P/P	40 - 150
Carbofuran	96.8	100	P/P	40 - 150
Diuron	92.0	90.0	P/P	40 - 150
Fenuron	88.0	96.4	P/P	40 - 150
Fluridone	113	114	P/P	40 - 150
Imidacloprid	75.6	83.6	P/P	40 - 160
Linuron	89.6	77.2	P/P	40 - 150
MCPP	82.4	78.0	P/P	40 - 150
Methiocarb	92.8	85.2	P/P	40 - 150
Methomyl	97.6	95.2	P/P	40 - 150
Oxamyl	71.2	91.2	P/P	40 - 150
Primidone	95.2	90.8	P/P	40 - 150
Propoxur	104	98.8	P/P	40 - 150
Triclopyr	78.8	92.4	P/P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P329189

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sucralose	90.5		P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P327549

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1903252	Sucralose	16.0	43.5	F/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P327553

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1902995	Glyphosate	116	118	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P329189

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1909302	Sucralose	108	92.0	P/P	40 - 150

Quality Assurance Report
Precision

Reference Method: EPA 8270D
Batch ID: P326511

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Aldrin	10.1	LCS	P	0 - 30
LFB	Alpha-BHC	0.140	LCS	P	0 - 30
LFB	Alpha-Chlordane	0.410	LCS	P	0 - 30
LFB	Beta-BHC	6.68	LCS	P	0 - 30
LFB	Carbophenothion	12.1	LCS	P	0 - 30
LFB	Chlorothalonil	2.14	LCS	P	0 - 30
LFB	Cypermethrin	8.69	LCS	P	0 - 30
LFB	DDD-p,p'	5.10	LCS	P	0 - 30
LFB	DDE-p,p'	0.832	LCS	P	0 - 30
LFB	DDT-p,p'	3.19	LCS	P	0 - 30
LFB	Delta-BHC	0.0530	LCS	P	0 - 30
LFB	Dicofol	3.88	LCS	P	0 - 30
LFB	Dieldrin	0.394	LCS	P	0 - 30
LFB	Endosulfan I	7.12	LCS	P	0 - 30
LFB	Endosulfan II	17.5	LCS	P	0 - 30
LFB	Endosulfan Sulfate	2.13	LCS	P	0 - 30
LFB	Endrin	4.63	LCS	P	0 - 30
LFB	Endrin Aldehyde	13.6	LCS	P	0 - 30
LFB	Endrin Ketone	15.5	LCS	P	0 - 30
LFB	Gamma-BHC	5.68	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270D
Batch ID: P326511

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Gamma-Chlordane	1.45	LCS	P	0 - 30
LFB	Heptachlor	6.15	LCS	P	0 - 30
LFB	Heptachlor Epoxide	3.35	LCS	P	0 - 30
LFB	Methoxychlor	2.52	LCS	P	0 - 30
LFB	Mirex	3.29	LCS	P	0 - 30
LFB	Permethrin	4.61	LCS	P	0 - 30
LFB	Trifluralin	1.58	LCS	P	0 - 30

Reference Method: EPA 8270D
Batch ID: P326523

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Acetochlor	12.5	LCS	P	0 - 30
LFB	Alachlor	22.2	LCS	P	0 - 30
LFB	Ametryn	24.8	LCS	P	0 - 30
LFB	Atrazine	24.1	LCS	P	0 - 30
LFB	Atrazine Desethyl	25.0	LCS	P	0 - 30
LFB	Azinphos Methyl	30.3	LCS	F	0 - 30
LFB	Bromacil	28.9	LCS	P	0 - 30
LFB	Butylate	33.9	LCS	F	0 - 30
LFB	Chlorpyrifos Ethyl	6.34	LCS	P	0 - 30
LFB	Chlorpyrifos Methyl	12.6	LCS	P	0 - 30
LFB	Cyanazine	20.5	LCS	P	0 - 30
LFB	Demeton	14.6	LCS	P	0 - 30
LFB	Diazinon	21.6	LCS	P	0 - 30
LFB	Disulfoton	8.30	LCS	P	0 - 30
LFB	EPTC	32.2	LCS	F	0 - 30
LFB	Ethion	21.6	LCS	P	0 - 30
LFB	Ethoprop	14.9	LCS	P	0 - 30
LFB	Fenamiphos	19.0	LCS	P	0 - 30
LFB	Fipronil	19.9	LCS	P	0 - 30
LFB	Fipronil Sulfide	21.1	LCS	P	0 - 30
LFB	Fipronil Sulfone	21.1	LCS	P	0 - 30
LFB	Fonofos	15.5	LCS	P	0 - 30
LFB	Hexazinone	16.1	LCS	P	0 - 30
LFB	Malathion	17.2	LCS	P	0 - 30
LFB	Metalaxyl	22.5	LCS	P	0 - 30
LFB	Metolachlor	14.3	LCS	P	0 - 30
LFB	Metribuzin	20.8	LCS	P	0 - 30
LFB	Mevinphos	16.9	LCS	P	0 - 30
LFB	Molinate	26.7	LCS	P	0 - 30
LFB	Norflurazon	29.1	LCS	P	0 - 30
LFB	Parathion Ethyl	27.0	LCS	P	0 - 30
LFB	Parathion Methyl	33.2	LCS	F	0 - 30
LFB	Pendimethalin	23.2	LCS	P	0 - 30
LFB	Phorate	22.3	LCS	P	0 - 30
LFB	Prometon	14.9	LCS	P	0 - 30
LFB	Prometryn	21.3	LCS	P	0 - 30
LFB	Simazine	15.6	LCS	P	0 - 30
LFB	Terbufos	9.52	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270D
Batch ID: P326523

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Terbuthylazine	28.4	LCS	P	0 - 30

Reference Method: EPA 8270D
Batch ID: P327868

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Acetochlor	13.8	LCS	P	0 - 30
LFB	Alachlor	15.0	LCS	P	0 - 30
LFB	Ametryn	8.79	LCS	P	0 - 30
LFB	Atrazine	8.57	LCS	P	0 - 30
LFB	Atrazine Desethyl	22.2	LCS	P	0 - 30
LFB	Azinphos Methyl	19.7	LCS	P	0 - 30
LFB	Bromacil	11.5	LCS	P	0 - 30
LFB	Butylate	16.1	LCS	P	0 - 30
LFB	Chlorpyrifos Ethyl	13.7	LCS	P	0 - 30
LFB	Chlorpyrifos Methyl	18.7	LCS	P	0 - 30
LFB	Cyanazine	17.5	LCS	P	0 - 30
LFB	Demeton	14.7	LCS	P	0 - 30
LFB	Diazinon	15.4	LCS	P	0 - 30
LFB	Disulfoton	14.5	LCS	P	0 - 30
LFB	EPTC	8.64	LCS	P	0 - 30
LFB	Ethion	6.71	LCS	P	0 - 30
LFB	Ethoprop	7.89	LCS	P	0 - 30
LFB	Fenamiphos	2.86	LCS	P	0 - 30
LFB	Fipronil	5.90	LCS	P	0 - 30
LFB	Fipronil Sulfide	2.36	LCS	P	0 - 30
LFB	Fipronil Sulfone	2.66	LCS	P	0 - 30
LFB	Fonofos	12.2	LCS	P	0 - 30
LFB	Hexazinone	7.04	LCS	P	0 - 30
LFB	Malathion	9.03	LCS	P	0 - 30
LFB	Metalaxyl	7.04	LCS	P	0 - 30
LFB	Metolachlor	9.37	LCS	P	0 - 30
LFB	Metribuzin	26.1	LCS	P	0 - 30
LFB	Mevinphos	9.70	LCS	P	0 - 30
LFB	Molinate	2.81	LCS	P	0 - 30
LFB	Norflurazon	12.7	LCS	P	0 - 30
LFB	Parathion Ethyl	14.4	LCS	P	0 - 30
LFB	Parathion Methyl	17.8	LCS	P	0 - 30
LFB	Pendimethalin	8.32	LCS	P	0 - 30
LFB	Phorate	8.92	LCS	P	0 - 30
LFB	Prometon	1.84	LCS	P	0 - 30
LFB	Prometryn	10.1	LCS	P	0 - 30
LFB	Simazine	13.4	LCS	P	0 - 30
LFB	Terbufos	12.4	LCS	P	0 - 30
LFB	Terbuthylazine	7.30	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8276
Batch ID: P326522

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Chlordane	1.74	LCS	P	0 - 30
LFB	Toxaphene	1.52	LCS	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P325634

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	2,4-D	0.354	LCS	P	0 - 30
LFB	3-Hydroxycarbofuran	3.56	LCS	P	0 - 30
LFB	Acetaminophen	3.42	LCS	P	0 - 30
LFB	Aldicarb	29.2	LCS	P	0 - 30
LFB	Aldicarb Sulfone	7.69	LCS	P	0 - 30
LFB	Aldicarb Sulfoxide	2.25	LCS	P	0 - 30
LFB	Bentazon	7.07	LCS	P	0 - 30
LFB	Carbamazepine	4.74	LCS	P	0 - 30
LFB	Carbaryl	2.99	LCS	P	0 - 30
LFB	Carbofuran	0.374	LCS	P	0 - 30
LFB	Diuron	4.79	LCS	P	0 - 30
LFB	Fenuron	1.21	LCS	P	0 - 30
LFB	Fluridone	5.22	LCS	P	0 - 30
LFB	Imidacloprid	0.375	LCS	P	0 - 30
LFB	Linuron	13.0	LCS	P	0 - 30
LFB	MCPP	5.99	LCS	P	0 - 30
LFB	Methiocarb	19.4	LCS	P	0 - 30
LFB	Methomyl	1.21	LCS	P	0 - 30
LFB	Oxamyl	8.23	LCS	P	0 - 30
LFB	Primidone	11.1	LCS	P	0 - 30
LFB	Propoxur	3.91	LCS	P	0 - 30
LFB	Triclopyr	3.86	LCS	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P327549

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1903252	Sucralose	30.5	Spike	F	0 - 30

Reference Method: EPA 8321B
Batch ID: P327553

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1902995	Glyphosate	2.46	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P329172

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	2,4-D	3.29	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P329172

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	3-Hydroxycarbofuran	2.60	LCS	P	0 - 30
LFB	Acetaminophen	25.9	LCS	P	0 - 30
LFB	Aldicarb	6.67	LCS	P	0 - 30
LFB	Aldicarb Sulfone	3.69	LCS	P	0 - 30
LFB	Aldicarb Sulfoxide	18.1	LCS	P	0 - 30
LFB	Bentazon	2.14	LCS	P	0 - 30
LFB	Carbamazepine	4.90	LCS	P	0 - 30
LFB	Carbaryl	21.5	LCS	P	0 - 30
LFB	Carbofuran	3.65	LCS	P	0 - 30
LFB	Diuron	2.20	LCS	P	0 - 30
LFB	Fenuron	9.11	LCS	P	0 - 30
LFB	Fluridone	0.704	LCS	P	0 - 30
LFB	Imidacloprid	10.1	LCS	P	0 - 30
LFB	Linuron	14.9	LCS	P	0 - 30
LFB	MCPP	5.49	LCS	P	0 - 30
LFB	Methiocarb	8.54	LCS	P	0 - 30
LFB	Methomyl	2.49	LCS	P	0 - 30
LFB	Oxamyl	24.6	LCS	P	0 - 30
LFB	Primidone	4.73	LCS	P	0 - 30
LFB	Propoxur	5.13	LCS	P	0 - 30
LFB	Triclopyr	15.9	LCS	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P329189

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1909302	Sucralose	14.7	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report
Surrogates

Lab Sample ID: 1898156
Field Sample ID: L27159-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	125	P	40 - 150
EPA 8321B	Acetaminophen-d4	99.4	P	30 - 150
EPA 8321B	Acetaminophen-d4	99.4	P	30 - 150
EPA 8321B	Carbamazepine-d10	104	P	30 - 160
EPA 8321B	Carbamazepine-d10	104	P	30 - 160
EPA 8321B	Carbaryl-d7	59.0	P	30 - 150
EPA 8321B	Diuron-d6	77.2	P	30 - 160
EPA 8321B	Diuron-d6	77.2	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	105	P	40 - 150
EPA 8321B	Primidone-d5	126	P	30 - 150
EPA 8321B	Primidone-d5	126	P	30 - 150

Quality Assurance Report
Surrogates

Lab Sample ID: 1898156
Field Sample ID: L27159-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Sucralose-d6	121	P	40 - 160
EPA 8321B	Sucralose-d6	121	P	40 - 160

Lab Sample ID: 1898157
Field Sample ID: L27159-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	131	P	40 - 150
EPA 8321B	Acetaminophen-d4	106	P	30 - 150
EPA 8321B	Acetaminophen-d4	106	P	30 - 150
EPA 8321B	Carbamazepine-d10	112	P	30 - 160
EPA 8321B	Carbamazepine-d10	112	P	30 - 160
EPA 8321B	Carbaryl-d7	63.2	P	30 - 150
EPA 8321B	Diuron-d6	85.6	P	30 - 160
EPA 8321B	Diuron-d6	85.6	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	40 - 150
EPA 8321B	Primidone-d5	130	P	30 - 150
EPA 8321B	Primidone-d5	130	P	30 - 150
EPA 8321B	Sucralose-d6	117	P	40 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160

Lab Sample ID: 1898158
Field Sample ID: L27159-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	140	P	40 - 150
EPA 8321B	Acetaminophen-d4	109	P	30 - 150
EPA 8321B	Acetaminophen-d4	109	P	30 - 150
EPA 8321B	Carbamazepine-d10	132	P	30 - 160
EPA 8321B	Carbamazepine-d10	132	P	30 - 160
EPA 8321B	Carbaryl-d7	92.6	P	30 - 150
EPA 8321B	Diuron-d6	109	P	30 - 160
EPA 8321B	Diuron-d6	109	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	105	P	40 - 150
EPA 8321B	Primidone-d5	137	P	30 - 150
EPA 8321B	Primidone-d5	137	P	30 - 150
EPA 8321B	Sucralose-d6	99.0	P	40 - 160
EPA 8321B	Sucralose-d6	99.0	P	40 - 160
EPA 8321B	Sucralose-d6	99.0	P	40 - 160
EPA 8321B	Sucralose-d6	99.0	P	40 - 160

Lab Sample ID: 1898159
Field Sample ID: L27159-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	137	P	40 - 150
EPA 8321B	Acetaminophen-d4	112	P	30 - 150
EPA 8321B	Acetaminophen-d4	112	P	30 - 150
EPA 8321B	Carbamazepine-d10	126	P	30 - 160
EPA 8321B	Carbamazepine-d10	126	P	30 - 160
EPA 8321B	Carbaryl-d7	85.8	P	30 - 150
EPA 8321B	Diuron-d6	105	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 1898159
Field Sample ID: L27159-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Diuron-d6	105	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	104	P	40 - 150
EPA 8321B	Primidone-d5	131	P	30 - 150
EPA 8321B	Primidone-d5	131	P	30 - 150
EPA 8321B	Sucralose-d6	117	P	40 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160

Lab Sample ID: 1898160
Field Sample ID: L27159-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	116	P	40 - 150
EPA 8321B	Acetaminophen-d4	105	P	30 - 150
EPA 8321B	Acetaminophen-d4	105	P	30 - 150
EPA 8321B	Carbamazepine-d10	115	P	30 - 160
EPA 8321B	Carbamazepine-d10	115	P	30 - 160
EPA 8321B	Carbaryl-d7	115	P	30 - 150
EPA 8321B	Diuron-d6	120	P	30 - 160
EPA 8321B	Diuron-d6	120	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	104	P	40 - 150
EPA 8321B	Primidone-d5	123	P	30 - 150
EPA 8321B	Primidone-d5	123	P	30 - 150
EPA 8321B	Sucralose-d6	86.5	P	40 - 160
EPA 8321B	Sucralose-d6	86.5	P	40 - 160
EPA 8321B	Sucralose-d6	86.5	P	40 - 160
EPA 8321B	Sucralose-d6	86.5	P	40 - 160

Lab Sample ID: 1898161
Field Sample ID: L27158-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	89.3	P	70 - 130
EPA 8270D	Malathion-d7	122	P	60 - 140
EPA 8270D	Simazine-d10	86.6	P	60 - 140
EPA 8270D	Tetrachloro-m-xylene	86.8	P	70 - 130
EPA 8276	Decachlorobiphenyl	76.6	P	70 - 130

Lab Sample ID: 1898162
Field Sample ID: L27158-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	84.6	P	70 - 130
EPA 8270D	Malathion-d7	116	P	60 - 140
EPA 8270D	Simazine-d10	92.4	P	60 - 140
EPA 8270D	Tetrachloro-m-xylene	85.9	P	70 - 130
EPA 8276	Decachlorobiphenyl	75.5	P	70 - 130

Quality Assurance Report
Surrogates

Lab Sample ID: 1898163
Field Sample ID: L27158-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	87.7	P	70 - 130
EPA 8270D	Malathion-d7	119	P	60 - 140
EPA 8270D	Simazine-d10	92.3	P	60 - 140
EPA 8270D	Tetrachloro-m-xylene	88.2	P	70 - 130
EPA 8276	Decachlorobiphenyl	78.3	P	70 - 130

Lab Sample ID: 1898164
Field Sample ID: L27158-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	88.8	P	70 - 130
EPA 8270D	Malathion-d7	108	P	60 - 140
EPA 8270D	Simazine-d10	97.8	P	60 - 140
EPA 8270D	Tetrachloro-m-xylene	84.1	P	70 - 130
EPA 8276	Decachlorobiphenyl	76.7	P	70 - 130

Lab Sample ID: 1898165
Field Sample ID: L27158-6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	95.9	P	70 - 130
EPA 8270D	Malathion-d7	112	P	60 - 140
EPA 8270D	Simazine-d10	97.8	P	60 - 140
EPA 8270D	Tetrachloro-m-xylene	91.0	P	70 - 130
EPA 8276	Decachlorobiphenyl	85.1	P	70 - 130

Lab Sample ID: 1909923
Field Sample ID: L27159-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Malathion-d7	67.2	P	50 - 120
EPA 8270D	Simazine-d10	52.6	P	50 - 120

Lab Sample ID: 1909924
Field Sample ID: L27159-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Malathion-d7	61.2	P	50 - 120
EPA 8270D	Simazine-d10	37.8	F	50 - 120

Lab Sample ID: 1909925
Field Sample ID: L27159-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Malathion-d7	64.9	P	50 - 120
EPA 8270D	Simazine-d10	58.3	P	50 - 120

Lab Sample ID: 1909926
Field Sample ID: L27159-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Malathion-d7	62.6	P	50 - 120

Quality Assurance Report
Surrogates

Lab Sample ID: 1909926
Field Sample ID: L27159-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	69.4	P	50 - 120

Lab Sample ID: 1909927
Field Sample ID: L27159-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Malathion-d7	34.6	F	50 - 120
EPA 8270D	Simazine-d10	64.9	P	50 - 120

Lab Sample ID: 1909928
Field Sample ID: L27158-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	72.1	P	40 - 160
EPA 8321B	Acetaminophen-d4	66.6	P	30 - 160
EPA 8321B	Acetaminophen-d4	66.6	P	30 - 160
EPA 8321B	Carbamazepine-d10	83.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	83.0	P	30 - 160
EPA 8321B	Carbaryl-d7	77.9	P	30 - 160
EPA 8321B	Diuron-d6	74.8	P	30 - 160
EPA 8321B	Diuron-d6	74.8	P	30 - 160
EPA 8321B	Primidone-d5	51.4	P	30 - 160
EPA 8321B	Primidone-d5	51.4	P	30 - 160
EPA 8321B	Sucralose-d6	130	P	40 - 160
EPA 8321B	Sucralose-d6	130	P	40 - 160

Lab Sample ID: 1909929
Field Sample ID: L27158-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	77.0	P	40 - 160
EPA 8321B	Acetaminophen-d4	69.2	P	30 - 160
EPA 8321B	Acetaminophen-d4	69.2	P	30 - 160
EPA 8321B	Carbamazepine-d10	95.2	P	30 - 160
EPA 8321B	Carbamazepine-d10	95.2	P	30 - 160
EPA 8321B	Carbaryl-d7	83.6	P	30 - 160
EPA 8321B	Diuron-d6	74.3	P	30 - 160
EPA 8321B	Diuron-d6	74.3	P	30 - 160
EPA 8321B	Primidone-d5	76.0	P	30 - 160
EPA 8321B	Primidone-d5	76.0	P	30 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160

Lab Sample ID: 1909930
Field Sample ID: L27158-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	81.8	P	40 - 160
EPA 8321B	Acetaminophen-d4	73.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	73.8	P	30 - 160
EPA 8321B	Carbamazepine-d10	84.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	84.0	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 1909930
Field Sample ID: L27158-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	83.6	P	30 - 160
EPA 8321B	Diuron-d6	83.9	P	30 - 160
EPA 8321B	Diuron-d6	83.9	P	30 - 160
EPA 8321B	Primidone-d5	77.6	P	30 - 160
EPA 8321B	Primidone-d5	77.6	P	30 - 160
EPA 8321B	Sucralose-d6	126	P	40 - 160
EPA 8321B	Sucralose-d6	126	P	40 - 160

Lab Sample ID: 1909931
Field Sample ID: L27158-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	71.8	P	40 - 160
EPA 8321B	Acetaminophen-d4	73.2	P	30 - 160
EPA 8321B	Acetaminophen-d4	73.2	P	30 - 160
EPA 8321B	Carbamazepine-d10	81.8	P	30 - 160
EPA 8321B	Carbamazepine-d10	81.8	P	30 - 160
EPA 8321B	Carbaryl-d7	83.8	P	30 - 160
EPA 8321B	Diuron-d6	76.8	P	30 - 160
EPA 8321B	Diuron-d6	76.8	P	30 - 160
EPA 8321B	Primidone-d5	76.0	P	30 - 160
EPA 8321B	Primidone-d5	76.0	P	30 - 160
EPA 8321B	Sucralose-d6	99.0	P	40 - 160
EPA 8321B	Sucralose-d6	99.0	P	40 - 160

Lab Sample ID: 1909932
Field Sample ID: L27158-6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	66.3	P	40 - 160
EPA 8321B	Acetaminophen-d4	61.7	P	30 - 160
EPA 8321B	Acetaminophen-d4	61.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.5	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.5	P	30 - 160
EPA 8321B	Carbaryl-d7	67.1	P	30 - 160
EPA 8321B	Diuron-d6	69.7	P	30 - 160
EPA 8321B	Diuron-d6	69.7	P	30 - 160
EPA 8321B	Primidone-d5	60.7	P	30 - 160
EPA 8321B	Primidone-d5	60.7	P	30 - 160
EPA 8321B	Sucralose-d6	114	P	40 - 160
EPA 8321B	Sucralose-d6	114	P	40 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A76875
Included Lab Sample IDs: 1898156, 1898157, 1898158, 1898159, 1898160

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Glyphosate	105	106	P/P	70 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A76878
Included Lab Sample IDs: 1898158, 1898159, 1898160

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	128	63.8	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A76903
Included Lab Sample IDs: 1898156, 1898157

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	109	81.2	P/P	60 - 160

Reference Method: EPA 8270D
Run ID: A76946
Included Lab Sample IDs: 1898161, 1898162, 1898163, 1898164, 1898165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	99.9		P	80 - 120
Alachlor	115		P	80 - 120
Ametryn	118		P	80 - 120
Atrazine	102		P	80 - 120
Atrazine Desethyl	91.5		P	80 - 120
Azinphos Methyl	116		P	80 - 120
Bromacil	105		P	80 - 120
Butylate	105		P	80 - 120
Chlorpyrifos Ethyl	95.1		P	80 - 120
Chlorpyrifos Methyl	91.3		P	80 - 120
Cyanazine	84.4		P	80 - 120
Demeton	87.7		P	80 - 120
Diazinon	98.0		P	80 - 120
Disulfoton	80.2		P	80 - 120
EPTC	129*		F	80 - 120
Ethion	103		P	80 - 120
Ethoprop	97.4		P	80 - 120
Fenamiphos	100		P	80 - 120
Fipronil	115		P	80 - 120
Fipronil Sulfide	103		P	80 - 120
Fipronil Sulfone	96.8		P	80 - 120
Fonofos	81.9		P	80 - 120
Hexazinone	97.9		P	80 - 120
Malathion	97.2		P	80 - 120
Metalaxyl	111		P	80 - 120
Metolachlor	107		P	80 - 120
Metribuzin	80.9		P	80 - 120
Mevinphos	93.1		P	80 - 120
Molinate	106		P	80 - 120
Norflurazon	118		P	80 - 120
Parathion Ethyl	99.2		P	80 - 120
Parathion Methyl	102		P	80 - 120
Pendimethalin	99.3		P	80 - 120
Phorate	92.6		P	80 - 120
Prometon	104		P	80 - 120
Prometryn	115		P	80 - 120
Simazine	92.4		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270D
Run ID: A76946
Included Lab Sample IDs: 1898161, 1898162, 1898163, 1898164, 1898165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Terbufos	95.0		P	80 - 120
Terbuthylazine	98.9		P	80 - 120

Reference Method: EPA 8276
Run ID: A76977
Included Lab Sample IDs: 1898161, 1898162, 1898163, 1898164, 1898165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	103		P	80 - 120
Toxaphene	102		P	80 - 120

Reference Method: EPA 8270D
Run ID: A76985
Included Lab Sample IDs: 1898161, 1898162, 1898163, 1898164, 1898165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	104		P	80 - 120
Alpha-BHC	104		P	80 - 120
Alpha-Chlordane	105		P	80 - 120
Beta-BHC	99.5		P	80 - 120
Carbophenothion	102		P	80 - 120
Chlorothalonil	104		P	80 - 120
Cypermethrin	93.9		P	80 - 120
DDD-p,p'	102		P	80 - 120
DDE-p,p'	100		P	80 - 120
DDT-p,p'	106		P	80 - 120
Delta-BHC	99.7		P	80 - 120
Dicofol	115		P	80 - 120
Dieldrin	106		P	80 - 120
Endosulfan I	111		P	80 - 120
Endosulfan II	89.8		P	80 - 120
Endosulfan Sulfate	101		P	80 - 120
Endrin	99.2		P	80 - 120
Endrin Aldehyde	83.6		P	80 - 120
Endrin Ketone	111		P	80 - 120
Gamma-BHC	106		P	80 - 120
Gamma-Chlordane	106		P	80 - 120
Heptachlor	103		P	80 - 120
Heptachlor Epoxide	108		P	80 - 120
Methoxychlor	104		P	80 - 120
Mirex	102		P	80 - 120
Permethrin	101		P	80 - 120
Trifluralin	99.9		P	80 - 120

Reference Method: EPA 8321B
Run ID: A77372
Included Lab Sample IDs: 1898156, 1898157, 1898158, 1898159, 1898160

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	100	105	P/P	50 - 150
3-Hydroxycarbofuran	107	97.6	P/P	60 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A77372
Included Lab Sample IDs: 1898156, 1898157, 1898158, 1898159, 1898160

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetaminophen	112	102	P/P	60 - 150
Aldicarb	94.8	100	P/P	50 - 150
Aldicarb Sulfone	104	94.8	P/P	60 - 150
Aldicarb Sulfoxide	103	101	P/P	60 - 150
Bentazon	116	133	P/P	50 - 150
Carbamazepine	112	111	P/P	60 - 150
Carbaryl	107	112	P/P	60 - 150
Carbofuran	115	110	P/P	60 - 150
Diuron	110	109	P/P	60 - 150
Fenuron	105	100	P/P	60 - 150
Fluridone	114	120	P/P	60 - 160
Imidacloprid	110	106	P/P	60 - 150
Linuron	108	107	P/P	60 - 150
MCPP	94.8	108	P/P	50 - 150
Methiocarb	106	114	P/P	60 - 150
Methomyl	108	105	P/P	60 - 150
Oxamyl	109	103	P/P	60 - 150
Primidone	101	104	P/P	60 - 150
Propoxur	105	106	P/P	60 - 150
Triclopyr	92.8	114	P/P	50 - 150

Reference Method: EPA 8321B
Run ID: A77414
Included Lab Sample IDs: 1909928, 1909929, 1909930, 1909931, 1909932

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	106	104	P/P	60 - 160

Reference Method: EPA 8270D
Run ID: A77497
Included Lab Sample IDs: 1909923, 1909924, 1909925, 1909926, 1909927

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	102		P	80 - 120
Alachlor	103		P	80 - 120
Ametryn	103		P	80 - 120
Atrazine	97.3		P	80 - 120
Atrazine Desethyl	92.2		P	80 - 120
Azinphos Methyl	97.8		P	80 - 120
Bromacil	113		P	80 - 120
Butylate	105		P	80 - 120
Chlorpyrifos Ethyl	100		P	80 - 120
Chlorpyrifos Methyl	101		P	80 - 120
Cyanazine	93.5		P	80 - 120
Demeton	98.2		P	80 - 120
Diazinon	102		P	80 - 120
Disulfoton	92.1		P	80 - 120
EPTC	103		P	80 - 120
Ethion	99.3		P	80 - 120
Ethoprop	103		P	80 - 120
Fenamiphos	98.6		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270D
Run ID: A77497
Included Lab Sample IDs: 1909923, 1909924, 1909925, 1909926, 1909927

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fipronil	101		P	80 - 120
Fipronil Sulfide	101		P	80 - 120
Fipronil Sulfone	102		P	80 - 120
Fonofos	98.9		P	80 - 120
Hexazinone	95.4		P	80 - 120
Malathion	96.0		P	80 - 120
Metalaxyl	103		P	80 - 120
Metolachlor	104		P	80 - 120
Metribuzin	89.9		P	80 - 120
Mevinphos	104		P	80 - 120
Molinate	105		P	80 - 120
Norflurazon	106		P	80 - 120
Parathion Ethyl	97.1		P	80 - 120
Parathion Methyl	94.9		P	80 - 120
Pendimethalin	97.3		P	80 - 120
Phorate	97.3		P	80 - 120
Prometon	101		P	80 - 120
Prometryn	102		P	80 - 120
Simazine	93.9		P	80 - 120
Terbufos	99.0		P	80 - 120
Terbuthylazine	102		P	80 - 120

Reference Method: EPA 8321B
Run ID: A77687
Included Lab Sample IDs: 1909928, 1909929, 1909930, 1909931, 1909932

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	94.8	95.6	P/P	50 - 150
3-Hydroxycarbofuran	100	92.4	P/P	60 - 150
Acetaminophen	92.4	77.2	P/P	60 - 150
Aldicarb	96.4	73.6	P/P	50 - 150
Aldicarb Sulfone	88.4	86.8	P/P	60 - 150
Aldicarb Sulfoxide	84.4	110	P/P	60 - 150
Bentazon	102	111	P/P	50 - 150
Carbamazepine	92.8	87.6	P/P	60 - 150
Carbaryl	95.6	99.2	P/P	60 - 150
Carbofuran	117	98.8	P/P	60 - 150
Diuron	95.2	90.8	P/P	60 - 150
Fenuron	86.0	86.0	P/P	60 - 150
Fluridone	112	115	P/P	60 - 160
Imidacloprid	85.2	90.4	P/P	60 - 150
Linuron	84.0	88.4	P/P	60 - 150
MCPP	84.8	81.2	P/P	50 - 150
Methiocarb	91.2	92.4	P/P	60 - 150
Methomyl	85.2	108	P/P	60 - 150
Oxamyl	82.8	98.4	P/P	60 - 150
Primidone	89.6	61.6	P/P	60 - 150
Propoxur	88.8	93.2	P/P	60 - 150
Triclopyr	89.2	92.4	P/P	50 - 150

Quality Assurance Report
Calibration Verification

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery	Precision		
					LCS	SMP	MS
EPA 8270D	Acetochlor	98.3	111		12.5		
	Acetochlor	66.1	75.9		13.8		
	Alachlor	101	126		22.2		
	Alachlor	66.6	77.4		15.0		
	Aldrin	80.0	88.5		10.1		
	Alpha-BHC	86.3	86.1		0.140		
	Alpha-Chlordane	87.5	87.9		0.410		
	Ametryn	105	134		24.8		
	Ametryn	83.1	90.8		8.79		
	Atrazine	100	128		24.1		
	Atrazine	73.0	79.6		8.57		
	Atrazine Desethyl	87.8	113		25.0		
	Atrazine Desethyl	68.8	55.1		22.2		
	Azinphos Methyl	115	156		30.3		
	Azinphos Methyl	73.0	59.9		19.7		
	Beta-BHC	87.6	81.9		6.68		
	Bromacil	95.7	128		28.9		
	Bromacil	66.0	74.0		11.5		
	Butylate	105	149		33.9		
	Butylate	53.2	45.3		16.1		
	Carbophenothion	85.6	75.9		12.1		
	Chlorothalonil	76.1	74.5		2.14		
	Chlorpyrifos Ethyl	117	125		6.34		
	Chlorpyrifos Ethyl	60.5	52.8		13.7		
	Chlorpyrifos Methyl	99.0	112		12.6		
	Chlorpyrifos Methyl	53.1	44.0		18.7		
	Cyanazine	110	135		20.5		
	Cyanazine	63.2	75.3		17.5		
	Cypermethrin	82.1	75.2		8.69		
	DDD-p,p'	88.7	84.3		5.10		
	DDE-p,p'	80.9	80.2		0.832		
	DDT-p,p'	83.1	80.4		3.19		
	Delta-BHC	83.7	83.6		0.0530		
	Demeton	125	144		14.6		
	Demeton	61.2	52.8		14.7		
	Diazinon	96.9	120		21.6		
	Diazinon	71.8	61.6		15.4		
	Dicofol	130	125		3.88		
	Dieldrin	87.4	87.8		0.394		
	Disulfoton	116	126		8.30		
	Disulfoton	59.8	51.8		14.5		
	Endosulfan I	82.8	88.9		7.12		
	Endosulfan II	71.1	84.8		17.5		
	Endosulfan Sulfate	84.5	82.7		2.13		
	Endrin	88.2	92.3		4.63		
	Endrin Aldehyde	93.9	81.9		13.6		

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery	Precision		
					LCS	SMP	MS
EPA 8270D	Endrin Ketone	92.6	79.3		15.5		
	EPTC	119	165		32.2		
	EPTC	49.9	45.8		8.64		
	Ethion	120	150		21.6		
	Ethion	87.1	81.5		6.71		
	Ethoprop	102	118		14.9		
	Ethoprop	66.7	61.6		7.89		
	Fenamiphos	104	126		19.0		
	Fenamiphos	66.1	68.0		2.86		
	Fipronil	95.9	117		19.9		
	Fipronil	77.4	73.0		5.90		
	Fipronil Sulfide	101	125		21.1		
	Fipronil Sulfide	99.1	96.8		2.36		
	Fipronil Sulfone	102	126		21.1		
	Fipronil Sulfone	73.4	71.4		2.66		
	Fonofos	97.1	113		15.5		
	Fonofos	51.6	45.6		12.2		
	Gamma-BHC	86.4	81.7		5.68		
	Gamma-Chlordane	83.6	84.9		1.45		
	Heptachlor	85.7	80.5		6.15		
	Heptachlor Epoxide	89.6	86.7		3.35		
	Hexazinone	105	124		16.1		
	Hexazinone	76.3	81.9		7.04		
	Malathion	107	127		17.2		
	Malathion	72.1	65.9		9.03		
	Metalaxyl	98.3	123		22.5		
	Metalaxyl	66.8	71.6		7.04		
	Methoxychlor	81.1	79.1		2.52		
	Metolachlor	107	123		14.3		
	Metolachlor	87.2	79.4		9.37		
	Metribuzin	85.4	105		20.8		
	Metribuzin	72.6	55.8		26.1		
	Mevinphos	109	129		16.9		
	Mevinphos	53.6	48.6		9.70		
	Mirex	83.3	80.6		3.29		
	Molinate	101	132		26.7		
	Molinate	46.2	47.5		2.81		
	Norflurazon	104	139		29.1		
	Norflurazon	53.2	60.5		12.7		
	Parathion Ethyl	98.0	129		27.0		
	Parathion Ethyl	66.7	57.7		14.4		
	Parathion Methyl	89.6	125		33.2		
	Parathion Methyl	55.4	46.3		17.8		
	Pendimethalin	105	132		23.2		
	Pendimethalin	68.8	63.3		8.32		
	Permethrin	81.8	78.1		4.61		
	Phorate	113	142		22.3		
	Phorate	52.6	48.1		8.92		
	Prometon	111	129		14.9		
	Prometon	78.9	77.5		1.84		
	Prometryn	103	128		21.3		
	Prometryn	93.3	84.3		10.1		
	Simazine	86.6	101		15.6		
	Simazine	78.1	68.3		13.4		

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
EPA 8270D	Terbufos	116	128			9.52		
	Terbufos	55.6	49.1			12.4		
	Terbuthylazine	90.2	120			28.4		
	Terbuthylazine	81.0	75.3			7.30		
	Trifluralin	81.6	82.9			1.58		
EPA 8276	Chlordane	90.1	91.7			1.74		
	Toxaphene	77.0	78.1			1.52		
EPA 8321B	2,4-D	113	113			0.354		
	2,4-D	98.8	95.6			3.29		
	3-Hydroxycarbofuran	99.2	103			3.56		
	3-Hydroxycarbofuran	91.2	93.6			2.60		
	Acetaminophen	95.2	92.0			3.42		
	Acetaminophen	59.2	76.8			25.9		
	Aldicarb	74.8	100			29.2		
	Aldicarb	69.6	74.4			6.67		
	Aldicarb Sulfone	97.2	90.0			7.69		
	Aldicarb Sulfone	74.4	77.2			3.69		
	Aldicarb Sulfoxide	88.0	90.0			2.25		
	Aldicarb Sulfoxide	106	88.4			18.1		
	Bentazon	126	135			7.07		
	Bentazon	114	111			2.14		
	Carbamazepine	107	112			4.74		
	Carbamazepine	95.6	100			4.90		
	Carbaryl	109	106			2.99		
	Carbaryl	107	86.4			21.5		
	Carbofuran	107	107			0.374		
	Carbofuran	96.8	100			3.65		
	Diuron	106	111			4.79		
	Diuron	92.0	90.0			2.20		
	Fenuron	100	98.8			1.21		
	Fenuron	88.0	96.4			9.11		
	Fluridone	112	118			5.22		
	Fluridone	113	114			0.704		
	Glyphosate	102		116	118			2.46
	Imidacloprid	106	107			0.375		
	Imidacloprid	75.6	83.6			10.1		
	Linuron	98.0	112			13.0		
	Linuron	89.6	77.2			14.9		
	MCPP	97.2	103			5.99		
	MCPP	82.4	78.0			5.49		
	Methiocarb	115	94.8			19.4		
	Methiocarb	92.8	85.2			8.54		
	Methomyl	99.6	98.4			1.21		
	Methomyl	97.6	95.2			2.49		
	Oxamyl	101	93.2			8.23		
	Oxamyl	71.2	91.2			24.6		
	Primidone	98.4	110			11.1		
	Primidone	95.2	90.8			4.73		
	Propoxur	104	100			3.91		
	Propoxur	104	98.8			5.13		
	Sucralose	64.0		16.0	43.5			30.5
	Sucralose	90.5		108	92.0			14.7
	Triclopyr	102	106			3.86		
	Triclopyr	78.8	92.4			15.9		

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 8270D / E31780	Organochlorine pesticides (low levels) in SPMD extracts by GC/MS/MS.	1898161, 1898162, 1898163, 1898164, 1898165
EPA 8270D / E31780	Organonitrogen and phosphorus pesticides in prepared extracts by GC/MS/MS	1898161, 1898162, 1898163, 1898164, 1898165, 1909923, 1909924, 1909925, 1909926, 1909927
EPA 8270D / E31780	Organonitrogen and phosphorus pesticides in SPMD extracts by GC/MS/MS	1898161, 1898162, 1898163, 1898164, 1898165, 1909923, 1909924, 1909925, 1909926, 1909927
EPA 8276 / E31780	Organochlorine pesticides in SPMD extracts by GC/MS with Negative Chemical Ionization	1898161, 1898162, 1898163, 1898164, 1898165
EPA 8321B / E31780	Analysis of sucralose in water matrices by HPLC/MS/MS	1898156, 1898157, 1898158, 1898159, 1898160, 1909928, 1909929, 1909930, 1909931, 1909932
EPA 8321B / E31780	Carbamates in prepared extracts by HPLC/MS/MS	1898156, 1898157, 1898158, 1898159, 1898160, 1909928, 1909929, 1909930, 1909931, 1909932
EPA 8321B / E31780	Chlorinated (phenoxy acid) herbicides in prepared extracts by HPLC/MS/MS	1898156, 1898157, 1898158, 1898159, 1898160, 1909928, 1909929, 1909930, 1909931, 1909932
EPA 8321B / E31780	Glyphosate in water matrices by HPLC/MS/MS	1898156, 1898157, 1898158, 1898159, 1898160
EPA 8321B / E31780	Urea herbicides and other chemicals in prepared extracts by HPLC/MS/MS	1898156, 1898157, 1898158, 1898159, 1898160, 1909928, 1909929, 1909930, 1909931, 1909932

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270D	05/10/2017			06/05/2017	Marek Topolski	1898161, 1898162, 1898163, 1898164, 1898165
	05/10/2017			06/08/2017	Irina Carbone	1898161, 1898162, 1898163, 1898164
	05/10/2017			06/09/2017	Irina Carbone	1898165
	05/10/2017			06/22/2017	Marek Topolski	1909923, 1909924, 1909925, 1909926, 1909927
EPA 8276	05/10/2017			06/01/2017	Vandana T. Nagar	1898161, 1898162, 1898163, 1898164, 1898165
EPA 8321B	05/10/2017			06/02/2017	Juyoung Kim	1898156, 1898157, 1898158, 1898159, 1898160
	05/10/2017			06/05/2017	Mohammad Ghaffari	1898156, 1898157, 1898158, 1898159, 1898160
	05/10/2017			06/06/2017	Mohammad Ghaffari	1898156, 1898157, 1898158, 1898159, 1898160
	05/10/2017			06/28/2017	Mohammad Ghaffari	1909928, 1909929, 1909930, 1909931, 1909932
	05/10/2017			07/09/2017	Juyoung Kim	1909928, 1909929, 1909930, 1909931, 1909932