

# Chemical Analysis Report

**NE-DIST-2024-02-14-02**

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

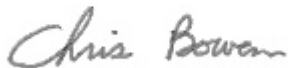
Event Description: **Suwannee East 2024**  
Request ID: **RQ-2024-02-12-11**  
Customer: **NE-DIST**  
Project ID: **SMP**

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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 15-MAR-2024 09:35



## Case Narrative

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

Results for the following analytical groups are included in this report: Metals 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  $1.3 \times 10^3$  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: ROCKY CREEK AT 156TH AV

Collection Date/Time: 02/13/2024 09:55

Field ID: G1NE0020

Matrix: W-SURF-FRH

| Sample ID | Ref. Method        | Component  | Result | Code | Units | Batch ID | QC Codes |
|-----------|--------------------|------------|--------|------|-------|----------|----------|
| 2469066   | EPA 200.7 Rev. 4.4 | Calcium    | 9.55   |      | mg/L  | P441548  |          |
|           |                    | Iron       | 770    |      | ug/L  | P441548  |          |
|           |                    | Magnesium  | 3.02   |      | mg/L  | P441548  |          |
|           |                    | Potassium  | 0.96   | I    | mg/L  | P441548  |          |
|           |                    | Sodium     | 6.2    |      | mg/L  | P441548  |          |
|           |                    | Strontium  | 16.4   |      | ug/L  | P441548  |          |
|           |                    | Tin        | 3.0    | U    | ug/L  | P441548  |          |
|           |                    | Titanium   | 2.9    | I    | ug/L  | P441548  | MS       |
|           |                    | Vanadium   | 2.0    | U    | ug/L  | P441548  |          |
|           |                    | Zinc       | 5.0    | U    | ug/L  | P441548  |          |
|           | EPA 200.8 Rev. 5.4 | Aluminum   | 462    |      | ug/L  | P441548  |          |
|           |                    | Antimony   | 0.056  | I    | ug/L  | P441548  |          |
|           |                    | Arsenic    | 0.64   |      | ug/L  | P441548  |          |
|           |                    | Barium     | 8.02   |      | ug/L  | P441548  |          |
|           |                    | Beryllium  | 0.050  |      | ug/L  | P441548  |          |
|           |                    | Boron      | 16.9   |      | ug/L  | P441548  |          |
|           |                    | Cadmium    | 0.024  | I    | ug/L  | P441548  |          |
|           |                    | Chromium   | 1.2    | I    | ug/L  | P441856  |          |
|           |                    | Cobalt     | 0.195  |      | ug/L  | P441548  |          |
|           |                    | Copper     | 0.40   | U    | ug/L  | P441548  |          |
|           | SM 2340 B-2011     | Lead       | 0.38   | I    | ug/L  | P441548  |          |
|           |                    | Manganese  | 11.5   |      | ug/L  | P441548  |          |
|           |                    | Molybdenum | 0.15   | U    | ug/L  | P441548  |          |
|           |                    | Nickel     | 0.71   | I    | ug/L  | P441856  |          |
|           |                    | Selenium   | 0.20   | U    | ug/L  | P441548  |          |
|           |                    | Silver     | 0.015  | I    | ug/L  | P441548  |          |
|           |                    | Thallium   | 0.10   | U    | ug/L  | P441548  |          |
|           |                    | Hardness   | 36.3   |      | mg/L  | P441548  |          |

Sample Location: HAGUE BRANCH TRIBAT US441 80M W 77TH TERR      Collection Date/Time: 02/13/2024 10:30

Field ID: 21030152      Matrix: W-SURF-FRH

| Sample ID | Ref. Method        | Component  | Result | Code | Units | Batch ID | QC Codes |
|-----------|--------------------|------------|--------|------|-------|----------|----------|
| 2469067   | EPA 200.7 Rev. 4.4 | Calcium    | 24.9   |      | mg/L  | P441548  |          |
|           |                    | Iron       | 530    |      | ug/L  | P441548  |          |
|           |                    | Magnesium  | 9.63   |      | mg/L  | P441548  |          |
|           |                    | Potassium  | 9.0    |      | mg/L  | P441548  |          |
|           |                    | Sodium     | 16.7   |      | mg/L  | P441548  |          |
|           |                    | Strontium  | 48.4   |      | ug/L  | P441548  |          |
|           |                    | Tin        | 3.0    | U    | ug/L  | P441548  |          |
|           |                    | Titanium   | 2.9    | I    | ug/L  | P441548  | MS       |
|           |                    | Vanadium   | 4.4    | I    | ug/L  | P441548  |          |
|           |                    | Zinc       | 5.7    | I    | ug/L  | P441548  |          |
|           | EPA 200.8 Rev. 5.4 | Aluminum   | 233    |      | ug/L  | P441548  |          |
|           |                    | Antimony   | 0.12   | I    | ug/L  | P441548  |          |
|           |                    | Arsenic    | 0.83   |      | ug/L  | P441548  |          |
|           |                    | Barium     | 5.31   |      | ug/L  | P441548  |          |
|           |                    | Beryllium  | 0.017  | I    | ug/L  | P441548  |          |
|           |                    | Boron      | 34.7   |      | ug/L  | P441548  |          |
|           |                    | Cadmium    | 0.784  |      | ug/L  | P441548  |          |
|           |                    | Chromium   | 0.98   | I    | ug/L  | P441856  |          |
|           |                    | Cobalt     | 0.270  |      | ug/L  | P441548  |          |
|           |                    | Copper     | 0.97   |      | ug/L  | P441548  |          |
|           |                    | Lead       | 0.20   | U    | ug/L  | P441548  |          |
|           |                    | Manganese  | 14.2   |      | ug/L  | P441548  |          |
|           |                    | Molybdenum | 0.67   |      | ug/L  | P441548  |          |
|           |                    | Nickel     | 3.2    |      | ug/L  | P441856  |          |
|           |                    | Selenium   | 0.36   | I    | ug/L  | P441548  |          |
|           |                    | Silver     | 0.010  | U    | ug/L  | P441548  |          |
|           |                    | Thallium   | 0.10   | U    | ug/L  | P441548  |          |
|           | SM 2340 B-2011     | Hardness   | 102    |      | mg/L  | P441548  |          |

Ref. Method and Comment:  
EPA 200.8 Rev. 5.4: The cadmium result was confirmed in the undigested sample on 02/21/2024.

Sample Location: CELLON CREEK AT SAN FELASCO SP      Collection Date/Time: 02/13/2024 11:40

Field ID: G1NE0960      Matrix: W-SURF-FRH

| Sample ID | Ref. Method        | Component  | Result | Code | Units | Batch ID | QC Codes |
|-----------|--------------------|------------|--------|------|-------|----------|----------|
| 2469068   | EPA 200.7 Rev. 4.4 | Calcium    | 25.8   |      | mg/L  | P441548  |          |
|           |                    | Iron       | 420    |      | ug/L  | P441548  |          |
|           |                    | Magnesium  | 9.81   |      | mg/L  | P441548  |          |
|           |                    | Potassium  | 8.9    |      | mg/L  | P441548  |          |
|           |                    | Sodium     | 15.9   |      | mg/L  | P441548  |          |
|           |                    | Strontium  | 52.4   |      | ug/L  | P441548  |          |
|           |                    | Tin        | 3.0    | U    | ug/L  | P441548  |          |
|           |                    | Titanium   | 3.7    |      | ug/L  | P441548  | MS       |
|           |                    | Vanadium   | 4.5    | I    | ug/L  | P441548  |          |
|           |                    | Zinc       | 5.0    | U    | ug/L  | P441548  |          |
|           | EPA 200.8 Rev. 5.4 | Aluminum   | 172    |      | ug/L  | P441548  |          |
|           |                    | Antimony   | 0.13   | I    | ug/L  | P441548  |          |
|           |                    | Arsenic    | 0.89   |      | ug/L  | P441548  |          |
|           |                    | Barium     | 3.84   |      | ug/L  | P441548  |          |
|           |                    | Beryllium  | 0.016  | I    | ug/L  | P441548  |          |
|           |                    | Boron      | 34.3   |      | ug/L  | P441548  |          |
|           |                    | Cadmium    | 0.633  |      | ug/L  | P441548  |          |
|           |                    | Chromium   | 0.92   | I    | ug/L  | P441856  |          |
|           |                    | Cobalt     | 0.218  |      | ug/L  | P441548  |          |
|           |                    | Copper     | 0.94   |      | ug/L  | P441548  |          |
|           |                    | Lead       | 0.20   | U    | ug/L  | P441548  |          |
|           |                    | Manganese  | 15.0   |      | ug/L  | P441548  |          |
|           |                    | Molybdenum | 0.69   |      | ug/L  | P441548  |          |
|           |                    | Nickel     | 2.6    |      | ug/L  | P441856  |          |
|           |                    | Selenium   | 0.32   | I    | ug/L  | P441548  |          |
|           |                    | Silver     | 0.010  | U    | ug/L  | P441548  |          |
|           |                    | Thallium   | 0.10   | U    | ug/L  | P441548  |          |
|           | SM 2340 B-2011     | Hardness   | 105    |      | mg/L  | P441548  |          |

Ref. Method and Comment:  
EPA 200.8 Rev. 5.4: The cadmium result was confirmed in the undigested sample on 02/21/2024.

**Sample Location: MILL CREEK AT OLD BELLAMY ALLIGATOR ROAD**

**Collection Date/Time: 02/13/2024 13:00**

**Field ID: 21030126**

**Matrix: W-SURF-FRH**

| Sample ID | Ref. Method | Component        | Result  | Code | Units | Batch ID | QC Codes |
|-----------|-------------|------------------|---------|------|-------|----------|----------|
| 2469057   | EPA 8321B   | 2,4-D            | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Acesulfame K     | 0.10    | U    | ug/L  | P441276  |          |
|           |             | 2,4,5-T          | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | AMPA             | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Acetaminophen    | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Acetamiprid      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Endothall        | 0.25    | U    | ug/L  | P441276  |          |
|           |             | Glufosinate      | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Glyphosate       | 0.14    | I    | ug/L  | P441276  |          |
|           |             | Afidopyropen     | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Bentazon         | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Sucralose        | 0.012   | I    | ug/L  | P441276  |          |
|           |             | Benzovindiflupyr | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Carbamazepine    | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Clothianidin     | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Dinotefuran      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Diuron           | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Fenuron          | 0.032   | U    | ug/L  | P441446  |          |
|           |             | Fluridone        | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Imazapyr         | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Hydrocodone      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Ibuprofen        | 0.080   | U    | ug/L  | P441446  |          |
|           |             | Imidacloprid     | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Linuron          | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Mandestrobin     | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | MCPP             | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Naproxen         | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Primidone        | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Pyraclostrobin   | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Silvex           | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Thiamethoxam     | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Tolfenpyrad      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Triclopyr        | 0.0040  | U    | ug/L  | P441446  |          |

**Sample Location: PARENERS BR UPSTREAM OF CULVERTS  
UNDER CR1491**

**Collection Date/Time: 02/13/2024 13:25**

**Field ID: G1NE0906**

**Matrix: W-SURF-FRH**

| Sample ID | Ref. Method | Component           | Result  | Code | Units | Batch ID | QC Codes |
|-----------|-------------|---------------------|---------|------|-------|----------|----------|
| 2469055   | EPA 8321B   | Aldicarb            | 0.020   | U    | ug/L  | P441467  | MS       |
|           |             | Aldicarb Sulfone    | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Aldicarb Sulfoxide  | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Carbaryl            | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Carbofuran          | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | 3-Hydroxycarbofuran | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Methiocarb          | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Methomyl            | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Oxamyl              | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Propoxur            | 0.0020  | U    | ug/L  | P441467  |          |
| 2469056   |             | 2,4-D               | 0.0022  | I    | ug/L  | P441446  |          |
|           |             | Acesulfame K        | 0.10    | U    | ug/L  | P441276  |          |
|           |             | 2,4,5-T             | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | AMPA                | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Acetaminophen       | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Acetamiprid         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Endothall           | 0.25    | U    | ug/L  | P441276  |          |
|           |             | Glufosinate         | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Glyphosate          | 0.13    | I    | ug/L  | P441276  |          |
|           |             | Afidopyropen        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Bentazon            | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Sucralose           | 0.049   |      | ug/L  | P441276  |          |
|           |             | Benzovindiflupyr    | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Carbamazepine       | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Clothianidin        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Dinotefuran         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Diuron              | 0.0066  | I    | ug/L  | P441446  |          |
|           |             | Fenuron             | 0.032   | U    | ug/L  | P441446  |          |
|           |             | Fluridone           | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Imazapyr            | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Hydrocodone         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Ibuprofen           | 0.080   | U    | ug/L  | P441446  |          |
|           |             | Imidacloprid        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Linuron             | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Mandestrobin        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | MCPP                | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Naproxen            | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Primidone           | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Pyraclostrobin      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Silvex              | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Thiamethoxam        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Tolfenpyrad         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Triclopyr           | 0.0040  | U    | ug/L  | P441446  |          |

Field ID: G1NE0906

Matrix: W-SURF-FRH

| Sample ID | Ref. Method | Component           | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|---------------------|--------|------|-------|----------|----------|
| 2469061   | EPA 8270E   | Aldrin              | 0.67   | U    | ng/L  | P441328  |          |
|           |             | Alpha-BHC           | 0.10   | U    | ng/L  | P441328  |          |
|           |             | Alpha-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1016            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-BHC            | 0.10   | U    | ng/L  | P441328  |          |
|           |             | PCB-1221            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-Cyfluthrin     | 1.3    | U    | ng/L  | P441328  |          |
|           |             | PCB-1232            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Bifenthrin          | 0.52   | U    | ng/L  | P441328  |          |
|           |             | PCB-1242            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | PCB-1248            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Chlorothalonil      | 3.7    | U    | ng/L  | P441328  |          |
|           |             | PCB-1254            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Cis-Nonachlor       | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1260            | 2.1    | UJ   | ng/L  | P441328  | CCV      |
|           |             | Cypermethrin        | 1.5    | U    | ng/L  | P441328  |          |
|           |             | Dacthal             | 0.15   | U    | ng/L  | P441328  |          |
|           |             | DDD-p,p'            | 0.26   | U    | ng/L  | P441328  |          |
|           |             | DDE-p,p'            | 0.21   | U    | ng/L  | P441328  |          |
|           |             | DDT-p,p'            | 0.82   | U    | ng/L  | P441328  |          |
|           |             | Delta-BHC           | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Deltamethrin        | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dichlobenil         | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Dicofol             | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dieldrin            | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan I        | 0.41   | UJ   | ng/L  | P441328  | LCS      |
|           |             | Endosulfan II       | 0.93   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan Sulfate  | 0.31   | U    | ng/L  | P441328  |          |
|           |             | Endrin              | 0.93   | U    | ng/L  | P441328  |          |
|           |             | Endrin Aldehyde     | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Endrin Ketone       | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Esfenvalerate       | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Ethalfuralin        | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Fenpropathrin       | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Gamma-BHC           | 0.13   | U    | ng/L  | P441328  |          |
|           |             | Gamma-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor          | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor Epoxide  | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Hexachlorobenzene** | 1.0    | U    | ng/L  | P441328  |          |
|           |             | Kepone              | 14     | UJ   | ng/L  | P441328  | CCV      |
|           |             | Lambda-Cyhalothrin  | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoprene          | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoxychlor        | 0.31   | U    | ng/L  | P441328  |          |
|           |             | MGK-264             | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Mirex               | 0.36   | U    | ng/L  | P441328  |          |

Field ID: G1NE0906

Matrix: W-SURF-FRH

| Sample ID | Ref. Method | Component                                            | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|------------------------------------------------------|--------|------|-------|----------|----------|
| 2469061   | EPA 8270E   | Oxychlordane                                         | 0.31   | U    | ng/L  | P441328  |          |
|           |             | Permethrin                                           | 1.6    | U    | ng/L  | P441328  |          |
|           |             | Phenothrin                                           | 0.93   | U    | ng/L  | P441328  |          |
|           |             | Piperonyl Butoxide                                   | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Prallethrin                                          | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Tau-Fluvalinate                                      | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Tetramethrin                                         | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Trans-Nonachlor                                      | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Triclosan Methyl                                     | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Trifluralin                                          | 0.21   | U    | ng/L  | P441328  |          |
| 2469062   | EPA 8270E   | Chlordane                                            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Toxaphene                                            | 15     | U    | ng/L  | P441328  |          |
|           |             | Oxybenzone**                                         | 10     | U    | ng/L  | P441876  |          |
|           |             | Acetochlor                                           | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Octinoxate**                                         | 150    | U    | ng/L  | P441876  |          |
|           |             | Alachlor                                             | 0.41   | UQ   | ng/L  | P441914  |          |
|           |             | Avobenzone**                                         | 100    | U    | ng/L  | P441876  |          |
|           |             | Ametryn                                              | 1.1    | UQ   | ng/L  | P441914  |          |
|           |             | Atrazine                                             | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | PBDE-47**                                            | 4.1    | U    | ng/L  | P441876  |          |
|           |             | Atrazine Desethyl                                    | 1.3    | UQ   | ng/L  | P441914  |          |
|           |             | PBDE-99**                                            | 5.2    | U    | ng/L  | P441876  |          |
|           |             | Azinphos Methyl                                      | 3.1    | UQ   | ng/L  | P441914  |          |
|           |             | Tri-o-cresyl Phosphate**                             | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Azoxystrobin                                         | 0.41   | UQ   | ng/L  | P441914  |          |
|           |             | Bromacil                                             | 0.61   | UQ   | ng/L  | P441914  |          |
|           |             | 2-Ethylhexyl<br>2,3,4,5-tetrabromobenzoate (EHTBB)** | 12     | U    | ng/L  | P441876  |          |
|           |             | Butylate                                             | 0.46   | UQ   | ng/L  | P441914  |          |
|           |             | Dechlorane Plus**                                    | 31     | U    | ng/L  | P441876  |          |
|           |             | Caffeine**                                           | 7.7    | UQ   | ng/L  | P441914  |          |
|           |             | Dechlorane 602**                                     | 5.2    | U    | ng/L  | P441876  |          |
|           |             | Carbophenothion                                      | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Dechlorane 603**                                     | 4.1    | U    | ng/L  | P441876  |          |
|           |             | Carfentrazone Ethyl                                  | 0.15   | UQ   | ng/L  | P441914  |          |
|           |             | Hexabromobenzene**                                   | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Chlorfenapyr                                         | 0.31   | UQ   | ng/L  | P441914  |          |
|           |             | PBB-153**                                            | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Chlorpyrifos Ethyl                                   | 0.31   | UQ   | ng/L  | P441914  |          |
|           |             | Pentabromotoluene**                                  | 3.1    | U    | ng/L  | P441876  |          |
|           |             | Chlorpyrifos Methyl                                  | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Tris(2-chloroethyl) phosphate (TCEP)**               | 57     | U    | ng/L  | P441876  |          |
|           |             | Coumaphos                                            | 1.1    | UQ   | ng/L  | P441914  |          |
|           |             | Tris(1-chloro-2-propyl) phosphate<br>(TCPP)**        | 26     | U    | ng/L  | P441876  |          |
|           |             | Cyanazine                                            | 5.1    | UQ   | ng/L  | P441914  |          |

Field ID: G1NE0906

Matrix: W-SURF-FRH

| Sample ID | Ref. Method | Component                                                   | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|-------------------------------------------------------------|--------|------|-------|----------|----------|
| 2469062   | EPA 8270E   | Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**             | 2.6    | U    | ng/L  | P441876  | RPD      |
|           |             | Cyprodinil                                                  | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Tetradecachloro-m-terphenyl**                               | 7.7    | U    | ng/L  | P441876  |          |
|           |             | Demeton                                                     | 3.6    | UQ   | ng/L  | P441914  |          |
|           |             | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)** | 62     | U    | ng/L  | P441876  |          |
|           |             | Diazinon                                                    | 0.13   | UQ   | ng/L  | P441914  |          |
|           |             | Difenoconazole                                              | 0.61   | UQ   | ng/L  | P441914  |          |
|           |             | Dimethenamid                                                | 2.1    | JQ   | ng/L  | P441914  |          |
|           |             | Dimethomorph                                                | 0.49   | IQ   | ng/L  | P441914  |          |
|           |             | Disulfoton                                                  | 0.61   | UQ   | ng/L  | P441914  |          |
|           |             | Dithiopyr                                                   | 1.0    | UQ   | ng/L  | P441914  |          |
|           |             | EPTC                                                        | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Ethion                                                      | 0.31   | UQ   | ng/L  | P441914  |          |
|           |             | Ethoprop                                                    | 0.13   | UQ   | ng/L  | P441914  |          |
|           |             | Etridiazole                                                 | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Fenamiphos                                                  | 0.46   | UQ   | ng/L  | P441914  |          |
|           |             | Fenbuconazole                                               | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Fipronil                                                    | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Fipronil Desulfinyl**                                       | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Fipronil Sulfide                                            | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Fipronil Sulfone                                            | 0.11   | IQ   | ng/L  | P441914  |          |
|           |             | Fluazifop-P-butyl                                           | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Fludioxonil                                                 | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Flumioxazin                                                 | 3.1    | UQ   | ng/L  | P441914  |          |
|           |             | Flutolanil                                                  | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Fluxapyroxad                                                | 1.0    | IQ   | ng/L  | P441914  |          |
|           |             | Fonofos                                                     | 0.15   | UQJ  | ng/L  | P441914  | LCS      |
|           |             | Hexazinone                                                  | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Imazalil                                                    | 0.67   | UQ   | ng/L  | P441914  |          |
|           |             | Iprodione                                                   | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Loratadine**                                                | 0.31   | UQ   | ng/L  | P441914  |          |
|           |             | Malathion                                                   | 0.36   | UQ   | ng/L  | P441914  |          |
|           |             | Metaxyl                                                     | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Metolachlor                                                 | 0.77   | UQ   | ng/L  | P441914  |          |
|           |             | Metribuzin                                                  | 0.41   | UQ   | ng/L  | P441914  |          |
|           |             | Mevinphos                                                   | 1.0    | UQ   | ng/L  | P441914  |          |
|           |             | Molinate                                                    | 0.26   | UQ   | ng/L  | P441914  |          |
|           |             | Myclobutanil                                                | 0.36   | UQ   | ng/L  | P441914  |          |
|           |             | Naled                                                       | 2.6    | UQ   | ng/L  | P441914  |          |
|           |             | Napropamide                                                 | 0.72   | UQ   | ng/L  | P441914  |          |
|           |             | Norflurazon                                                 | 1.0    | UQ   | ng/L  | P441914  |          |
|           |             | Oxadiazon                                                   | 0.36   | UQ   | ng/L  | P441914  |          |
|           |             | Oxyfluorfen                                                 | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Parathion Ethyl                                             | 0.15   | UQJ  | ng/L  | P441914  | LCS      |

Field ID: G1NE0906

Matrix: W-SURF-FRH

| Sample ID | Ref. Method | Component        | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|------------------|--------|------|-------|----------|----------|
| 2469062   | EPA 8270E   | Parathion Methyl | 0.20   | UQ   | ng/L  | P441914  | MS       |
|           |             | Pendimethalin    | 1.7    | UQ   | ng/L  | P441914  |          |
|           |             | Phenytain**      | 5.4    | UQ   | ng/L  | P441914  |          |
|           |             | Phorate          | 0.26   | UQ   | ng/L  | P441914  |          |
|           |             | Prodiamine       | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Prometon         | 3.1    | UQ   | ng/L  | P441914  |          |
|           |             | Prometryn        | 0.36   | UQ   | ng/L  | P441914  |          |
|           |             | Pronamide        | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Propanil         | 0.10   | UQ   | ng/L  | P441914  |          |
|           |             | Propargite       | 0.82   | UQ   | ng/L  | P441914  |          |
|           |             | Propiconazole    | 0.87   | IQ   | ng/L  | P441914  |          |
|           |             | Pyraflufen Ethyl | 0.31   | UQ   | ng/L  | P441914  |          |
|           |             | Pyridaben        | 1.4    | UQ   | ng/L  | P441914  |          |
|           |             | Pyriproxyfen     | 0.26   | UQ   | ng/L  | P441914  |          |
|           |             | Simazine         | 0.26   | UQ   | ng/L  | P441914  |          |
|           |             | Stiophos         | 0.41   | UQ   | ng/L  | P441914  |          |
|           |             | Sulfentrazone    | 59     | JQ   | ng/L  | P441914  | MS, RPD  |
|           |             | Tebuconazole     | 1.4    | UQ   | ng/L  | P441914  |          |
|           |             | Terbufos         | 0.20   | UQJ  | ng/L  | P441914  | LCS      |
|           |             | Terbutylazine    | 0.20   | UQ   | ng/L  | P441914  |          |
|           |             | Thiobencarb      | 0.51   | UQ   | ng/L  | P441914  |          |
|           |             | Triadimefon      | 0.15   | UQ   | ng/L  | P441914  |          |

Ref. Method and Comment:  
EPA 8270E: Duplicate matrix spike lost in preparation. 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.  
EPA 8270E: Estimation for sulfentrazone and dimethenamid due to internal standard recovery exceeding control limits. Sample expired for preparation due to need for re-extraction. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FB

Collection Date/Time: 02/13/2024 13:35

Field ID: FB\_02132024

Matrix: W-FIELD-BK

| Sample ID | Ref. Method | Component           | Result  | Code | Units | Batch ID | QC Codes |
|-----------|-------------|---------------------|---------|------|-------|----------|----------|
| 2469058   | EPA 8321B   | Aldicarb            | 0.020   | U    | ug/L  | P441467  |          |
|           |             | Aldicarb Sulfone    | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Aldicarb Sulfoxide  | 0.0020  | U    | ug/L  | P441467  | MS       |
|           |             | Carbaryl            | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Carbofuran          | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | 3-Hydroxycarbofuran | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Methiocarb          | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Methomyl            | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Oxamyl              | 0.0020  | U    | ug/L  | P441467  |          |
|           |             | Propoxur            | 0.0020  | U    | ug/L  | P441467  |          |
| 2469059   |             | 2,4-D               | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Acesulfame K        | 0.10    | U    | ug/L  | P441276  |          |
|           |             | 2,4,5-T             | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | AMPA                | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Acetaminophen       | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Acetamiprid         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Endothall           | 0.25    | U    | ug/L  | P441276  |          |
|           |             | Glufosinate         | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Glyphosate          | 0.10    | U    | ug/L  | P441276  |          |
|           |             | Afidopyropen        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Bentazon            | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Sucralose           | 0.010   | U    | ug/L  | P441276  |          |
|           |             | Benzovindiflupyr    | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Carbamazepine       | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Clothianidin        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Dinotefuran         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Diuron              | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Fenuron             | 0.032   | U    | ug/L  | P441446  |          |
|           |             | Fluridone           | 8.0E-04 | U    | ug/L  | P441446  |          |
|           |             | Imazapyr            | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Hydrocodone         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Ibuprofen           | 0.080   | U    | ug/L  | P441446  |          |
|           |             | Imidacloprid        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Linuron             | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Mandestrobin        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | MCPP                | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Naproxen            | 0.0080  | U    | ug/L  | P441446  |          |
|           |             | Primidone           | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Pyraclostrobin      | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Silvex              | 0.0040  | U    | ug/L  | P441446  |          |
|           |             | Thiamethoxam        | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Tolfenpyrad         | 0.0020  | U    | ug/L  | P441446  |          |
|           |             | Triclopyr           | 0.0040  | U    | ug/L  | P441446  |          |
| 2469063   | EPA 8270E   | Aldrin              | 0.67    | U    | ng/L  | P441328  |          |

Field ID: FB\_02132024

Matrix: W-FIELD-BK

| Sample ID | Ref. Method | Component           | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|---------------------|--------|------|-------|----------|----------|
| 2469063   | EPA 8270E   | Alpha-BHC           | 0.10   | U    | ng/L  | P441328  |          |
|           |             | Alpha-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1016            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-BHC            | 0.10   | U    | ng/L  | P441328  |          |
|           |             | PCB-1221            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-Cyfluthrin     | 1.3    | U    | ng/L  | P441328  |          |
|           |             | PCB-1232            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Bifenthrin          | 0.51   | U    | ng/L  | P441328  |          |
|           |             | PCB-1242            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | PCB-1248            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Chlorothalonil      | 3.7    | U    | ng/L  | P441328  |          |
|           |             | PCB-1254            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Cis-Nonachlor       | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1260            | 2.1    | UJ   | ng/L  | P441328  | CCV      |
|           |             | Cypermethrin        | 1.5    | U    | ng/L  | P441328  |          |
|           |             | Dacthal             | 0.15   | U    | ng/L  | P441328  |          |
|           |             | DDD-p,p'            | 0.26   | U    | ng/L  | P441328  |          |
|           |             | DDE-p,p'            | 0.21   | U    | ng/L  | P441328  |          |
|           |             | DDT-p,p'            | 0.82   | U    | ng/L  | P441328  |          |
|           |             | Delta-BHC           | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Deltamethrin        | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dichlobenil         | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Dicofol             | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dieldrin            | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan I        | 0.41   | UJ   | ng/L  | P441328  | LCS      |
|           |             | Endosulfan II       | 0.92   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan Sulfate  | 0.31   | U    | ng/L  | P441328  |          |
|           |             | Endrin              | 0.92   | U    | ng/L  | P441328  |          |
|           |             | Endrin Aldehyde     | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Endrin Ketone       | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Esfenvalerate       | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Ethalfuralin        | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Fenpropathrin       | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Gamma-BHC           | 0.13   | U    | ng/L  | P441328  |          |
|           |             | Gamma-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor          | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor Epoxide  | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Hexachlorobenzene** | 1.0    | U    | ng/L  | P441328  |          |
|           |             | Kepone              | 14     | UJ   | ng/L  | P441328  | CCV      |
|           |             | Lambda-Cyhalothrin  | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoprene          | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoxychlor        | 0.31   | U    | ng/L  | P441328  |          |
|           |             | MGK-264             | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Mirex               | 0.36   | U    | ng/L  | P441328  |          |
|           |             | Oxychlordane        | 0.31   | U    | ng/L  | P441328  |          |

Field ID: FB\_02132024

Matrix: W-FIELD-BK

| Sample ID | Ref. Method | Component                                            | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|------------------------------------------------------|--------|------|-------|----------|----------|
| 2469063   | EPA 8270E   | Permethrin                                           | 1.6    | U    | ng/L  | P441328  |          |
|           |             | Phenothrin                                           | 0.92   | U    | ng/L  | P441328  |          |
|           |             | Piperonyl Butoxide                                   | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Prallethrin                                          | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Tau-Fluvalinate                                      | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Tetramethrin                                         | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Trans-Nonachlor                                      | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Triclosan Methyl                                     | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Trifluralin                                          | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Chlordane                                            | 2.1    | U    | ng/L  | P441328  |          |
| 2469064   | EPA 8276    | Toxaphene                                            | 15     | U    | ng/L  | P441328  |          |
|           | EPA 8270E   | Oxybenzone**                                         | 10     | U    | ng/L  | P441876  |          |
|           |             | Acetochlor                                           | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Octinoxate**                                         | 150    | U    | ng/L  | P441876  |          |
|           |             | Alachlor                                             | 0.41   | U    | ng/L  | P441876  |          |
|           |             | Avobenzone**                                         | 100    | U    | ng/L  | P441876  |          |
|           |             | Ametryn                                              | 1.1    | U    | ng/L  | P441876  |          |
|           |             | Atrazine                                             | 0.21   | U    | ng/L  | P441876  |          |
|           |             | PBDE-47**                                            | 4.1    | U    | ng/L  | P441876  |          |
|           |             | Atrazine Desethyl                                    | 1.3    | U    | ng/L  | P441876  |          |
|           |             | PBDE-99**                                            | 5.1    | U    | ng/L  | P441876  |          |
|           |             | Azinphos Methyl                                      | 3.1    | U    | ng/L  | P441876  |          |
|           |             | Tri-o-cresyl Phosphate**                             | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Azoxystrobin                                         | 0.41   | U    | ng/L  | P441876  |          |
|           |             | Bromacil                                             | 0.62   | U    | ng/L  | P441876  |          |
|           |             | 2-Ethylhexyl<br>2,3,4,5-tetrabromobenzoate (EHTBB)** | 12     | U    | ng/L  | P441876  |          |
|           |             | Butylate                                             | 0.46   | U    | ng/L  | P441876  |          |
|           |             | Dechlorane Plus**                                    | 31     | U    | ng/L  | P441876  |          |
|           |             | Caffeine**                                           | 7.7    | U    | ng/L  | P441876  |          |
|           |             | Dechlorane 602**                                     | 5.1    | U    | ng/L  | P441876  |          |
|           |             | Carbophenothion                                      | 0.51   | U    | ng/L  | P441876  |          |
|           |             | Dechlorane 603**                                     | 4.1    | U    | ng/L  | P441876  |          |
|           |             | Carfentrazone Ethyl                                  | 0.15   | U    | ng/L  | P441876  |          |
|           |             | Hexabromobenzene**                                   | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Chlorfenapyr                                         | 0.31   | U    | ng/L  | P441876  |          |
|           |             | PBB-153**                                            | 6.2    | U    | ng/L  | P441876  |          |
|           |             | Chlorpyrifos Ethyl                                   | 0.31   | U    | ng/L  | P441876  |          |
|           |             | Pentabromotoluene**                                  | 3.1    | U    | ng/L  | P441876  |          |
|           |             | Chlorpyrifos Methyl                                  | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Tris(2-chloroethyl) phosphate (TCEP)**               | 56     | U    | ng/L  | P441876  |          |
|           |             | Coumaphos                                            | 1.1    | U    | ng/L  | P441876  |          |
|           |             | Tris(1-chloro-2-propyl) phosphate<br>(TCPP)**        | 26     | U    | ng/L  | P441876  |          |
|           |             | Cyanazine                                            | 5.1    | U    | ng/L  | P441876  |          |
|           |             | Tris(1,3-dichloro-2-propyl) phosphate<br>(TDCPP)**   | 2.6    | U    | ng/L  | P441876  |          |

Field ID: FB\_02132024

Matrix: W-FIELD-BK

| Sample ID | Ref. Method | Component                                                   | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|-------------------------------------------------------------|--------|------|-------|----------|----------|
| 2469064   | EPA 8270E   | Cyprodinil                                                  | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Tetradecachloro-m-terphenyl**                               | 7.7    | U    | ng/L  | P441876  |          |
|           |             | Demeton                                                     | 3.6    | U    | ng/L  | P441876  |          |
|           |             | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)** | 62     | U    | ng/L  | P441876  | RPD      |
|           |             | Diazinon                                                    | 0.13   | U    | ng/L  | P441876  |          |
|           |             | Difenoconazole                                              | 0.62   | U    | ng/L  | P441876  |          |
|           |             | Dimethenamid                                                | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Dimethomorph                                                | 0.31   | U    | ng/L  | P441876  |          |
|           |             | Disulfoton                                                  | 0.62   | U    | ng/L  | P441876  |          |
|           |             | Dithiopyr                                                   | 1.0    | U    | ng/L  | P441876  |          |
|           |             | EPTC                                                        | 0.51   | U    | ng/L  | P441876  |          |
|           |             | Ethion                                                      | 0.31   | U    | ng/L  | P441876  |          |
|           |             | Ethoprop                                                    | 0.13   | U    | ng/L  | P441876  |          |
|           |             | Etridiazole                                                 | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fenamiphos                                                  | 0.46   | U    | ng/L  | P441876  |          |
|           |             | Fenbuconazole                                               | 0.51   | U    | ng/L  | P441876  |          |
|           |             | Fipronil                                                    | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Fipronil Desulfinyl**                                       | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fipronil Sulfide                                            | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fipronil Sulfone                                            | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fluazifop-P-butyl                                           | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fludioxonil                                                 | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Flumioxazin                                                 | 3.1    | U    | ng/L  | P441876  |          |
|           |             | Flutolanil                                                  | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Fluxapyroxad                                                | 0.26   | U    | ng/L  | P441876  |          |
|           |             | Fonofos                                                     | 0.15   | U    | ng/L  | P441876  |          |
|           |             | Hexazinone                                                  | 0.51   | U    | ng/L  | P441876  |          |
|           |             | Imazalil                                                    | 0.67   | U    | ng/L  | P441876  |          |
|           |             | Iprodione                                                   | 0.51   | U    | ng/L  | P441876  | MS, RPD  |
|           |             | Loratadine**                                                | 0.31   | U    | ng/L  | P441876  |          |
|           |             | Malathion                                                   | 0.36   | U    | ng/L  | P441876  | MS, RPD  |
|           |             | Metalaxyl                                                   | 0.51   | U    | ng/L  | P441876  |          |
|           |             | Metolachlor                                                 | 0.77   | U    | ng/L  | P441876  |          |
|           |             | Metribuzin                                                  | 0.41   | U    | ng/L  | P441876  |          |
|           |             | Mevinphos                                                   | 1.0    | U    | ng/L  | P441876  |          |
|           |             | Molinate                                                    | 0.26   | U    | ng/L  | P441876  |          |
|           |             | Myclobutanil                                                | 0.36   | U    | ng/L  | P441876  |          |
|           |             | Naled                                                       | 2.6    | U    | ng/L  | P441876  |          |
|           |             | Napropamide                                                 | 0.72   | U    | ng/L  | P441876  |          |
|           |             | Norflurazon                                                 | 1.0    | U    | ng/L  | P441876  |          |
|           |             | Oxadiazon                                                   | 0.36   | U    | ng/L  | P441876  |          |
|           |             | Oxyfluorfen                                                 | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Parathion Ethyl                                             | 0.15   | U    | ng/L  | P441876  |          |
|           |             | Parathion Methyl                                            | 0.21   | U    | ng/L  | P441876  |          |

Field ID: FB\_02132024

Matrix: W-FIELD-BK

| Sample ID | Ref. Method | Component        | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|------------------|--------|------|-------|----------|----------|
| 2469064   | EPA 8270E   | Pendimethalin    | 1.7    | U    | ng/L  | P441876  |          |
|           |             | Phenytol**       | 5.4    | U    | ng/L  | P441876  |          |
|           |             | Phorate          | 0.26   | U    | ng/L  | P441876  |          |
|           |             | Prodiamine       | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Prometon         | 3.1    | U    | ng/L  | P441876  |          |
|           |             | Prometryn        | 0.36   | U    | ng/L  | P441876  |          |
|           |             | Pronamide        | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Propanil         | 0.10   | U    | ng/L  | P441876  |          |
|           |             | Propargite       | 0.82   | U    | ng/L  | P441876  |          |
|           |             | Propiconazole    | 0.62   | U    | ng/L  | P441876  |          |
|           |             | Pyraflufen Ethyl | 0.31   | U    | ng/L  | P441876  |          |
|           |             | Pyridaben        | 1.4    | U    | ng/L  | P441876  |          |
|           |             | Pyriproxyfen     | 0.26   | U    | ng/L  | P441876  |          |
|           |             | Simazine         | 0.26   | U    | ng/L  | P441876  |          |
|           |             | Stirophos        | 0.41   | U    | ng/L  | P441876  |          |
|           |             | Sulfentrazone    | 1.4    | U    | ng/L  | P441876  | MS       |
|           |             | Tebuconazole     | 1.4    | U    | ng/L  | P441876  |          |
|           |             | Terbufos         | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Terbutylazine    | 0.21   | U    | ng/L  | P441876  |          |
|           |             | Thiobencarb      | 0.51   | U    | ng/L  | P441876  | MS, RPD  |
|           |             | Triadimefon      | 0.15   | U    | ng/L  | P441876  |          |

Ref. Method and Comment:  
EPA 8270E: Duplicate matrix spike lost in preparation. 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.  
EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked.

Sample Location: OLUSTEE CR AT CR 238

Collection Date/Time: 02/13/2024 14:00

Field ID: 21020009

Matrix: W-SURF-FRH

| Sample ID | Ref. Method | Component           | Result | Code | Units | Batch ID | QC Codes |
|-----------|-------------|---------------------|--------|------|-------|----------|----------|
| 2469060   | EPA 8270E   | Aldrin              | 0.67   | U    | ng/L  | P441328  |          |
|           |             | Alpha-BHC           | 0.10   | U    | ng/L  | P441328  |          |
|           |             | Alpha-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1016            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-BHC            | 0.10   | U    | ng/L  | P441328  |          |
|           |             | PCB-1221            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Beta-Cyfluthrin     | 1.3    | U    | ng/L  | P441328  |          |
|           |             | PCB-1232            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Bifenthrin          | 0.52   | U    | ng/L  | P441328  |          |
|           |             | PCB-1242            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | PCB-1248            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Chlorothalonil      | 3.7    | U    | ng/L  | P441328  |          |
|           |             | PCB-1254            | 2.1    | U    | ng/L  | P441328  |          |
|           |             | Cis-Nonachlor       | 0.21   | U    | ng/L  | P441328  |          |
|           |             | PCB-1260            | 2.1    | UJ   | ng/L  | P441328  | CCV      |
|           |             | Cypermethrin        | 1.5    | U    | ng/L  | P441328  |          |
|           |             | Dacthal             | 0.15   | U    | ng/L  | P441328  |          |
|           |             | DDD-p,p'            | 0.26   | U    | ng/L  | P441328  |          |
|           |             | DDE-p,p'            | 0.21   | U    | ng/L  | P441328  |          |
|           |             | DDT-p,p'            | 0.82   | U    | ng/L  | P441328  |          |
|           |             | Delta-BHC           | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Deltamethrin        | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dichlobenil         | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Dicofol             | 1.3    | U    | ng/L  | P441328  |          |
|           |             | Dieldrin            | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan I        | 0.41   | UJ   | ng/L  | P441328  | LCS      |
|           |             | Endosulfan II       | 0.93   | U    | ng/L  | P441328  |          |
|           |             | Endosulfan Sulfate  | 0.31   | U    | ng/L  | P441328  |          |
|           |             | Endrin              | 0.93   | U    | ng/L  | P441328  |          |
|           |             | Endrin Aldehyde     | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Endrin Ketone       | 0.41   | U    | ng/L  | P441328  |          |
|           |             | Esfenvalerate       | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Ethalfuralin        | 0.15   | U    | ng/L  | P441328  |          |
|           |             | Fenpropathrin       | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Gamma-BHC           | 0.13   | U    | ng/L  | P441328  |          |
|           |             | Gamma-Chlordane     | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor          | 0.21   | U    | ng/L  | P441328  |          |
|           |             | Heptachlor Epoxide  | 0.26   | U    | ng/L  | P441328  |          |
|           |             | Hexachlorobenzene** | 1.0    | U    | ng/L  | P441328  |          |
|           |             | Kepone              | 14     | UJ   | ng/L  | P441328  | CCV      |
|           |             | Lambda-Cyhalothrin  | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoprene          | 0.77   | U    | ng/L  | P441328  |          |
|           |             | Methoxychlor        | 0.31   | U    | ng/L  | P441328  |          |
|           |             | MGK-264             | 0.21   | U    | ng/L  | P441328  |          |

Field ID: 21020009

Matrix: W-SURF-FRH

| Sample ID | Ref. Method        | Component          | Result | Code | Units | Batch ID | QC Codes |
|-----------|--------------------|--------------------|--------|------|-------|----------|----------|
| 2469060   | EPA 8270E          | Mirex              | 0.36   | U    | ng/L  | P441328  |          |
|           |                    | Oxychlordane       | 0.31   | U    | ng/L  | P441328  |          |
|           |                    | Permethrin         | 1.6    | U    | ng/L  | P441328  |          |
|           |                    | Phenothrin         | 0.93   | U    | ng/L  | P441328  |          |
|           |                    | Piperonyl Butoxide | 0.15   | U    | ng/L  | P441328  |          |
|           |                    | Prallethrin        | 2.1    | U    | ng/L  | P441328  |          |
|           |                    | Tau-Fluvalinate    | 0.26   | U    | ng/L  | P441328  |          |
|           |                    | Tetramethrin       | 0.77   | U    | ng/L  | P441328  |          |
|           |                    | Trans-Nonachlor    | 0.21   | U    | ng/L  | P441328  |          |
|           |                    | Triclosan Methyl   | 0.15   | U    | ng/L  | P441328  |          |
|           |                    | Trifluralin        | 0.21   | U    | ng/L  | P441328  |          |
|           | EPA 8276           | Chlordane          | 2.1    | U    | ng/L  | P441328  |          |
|           |                    | Toxaphene          | 15     | U    | ng/L  | P441328  |          |
| 2469065   | EPA 200.7 Rev. 4.4 | Calcium            | 4.96   |      | mg/L  | P441548  |          |
|           |                    | Iron               | 570    |      | ug/L  | P441548  |          |
|           |                    | Magnesium          | 1.92   |      | mg/L  | P441548  |          |
|           |                    | Potassium          | 0.30   | U    | mg/L  | P441548  |          |
|           |                    | Sodium             | 4.6    |      | mg/L  | P441548  |          |
|           |                    | Strontium          | 12.3   |      | ug/L  | P441548  |          |
|           |                    | Tin                | 3.0    | U    | ug/L  | P441548  |          |
|           |                    | Titanium           | 3.4    |      | ug/L  | P441548  | MS       |
|           |                    | Vanadium           | 2.0    | U    | ug/L  | P441548  |          |
|           |                    | Zinc               | 5.0    | U    | ug/L  | P441548  |          |
|           | EPA 200.8 Rev. 5.4 | Aluminum           | 498    |      | ug/L  | P441548  |          |
|           |                    | Antimony           | 0.050  | U    | ug/L  | P441548  |          |
|           |                    | Arsenic            | 0.32   |      | ug/L  | P441548  |          |
|           |                    | Barium             | 8.80   |      | ug/L  | P441548  |          |
|           |                    | Beryllium          | 0.031  | I    | ug/L  | P441548  |          |
|           |                    | Boron              | 13.1   |      | ug/L  | P441548  |          |
|           |                    | Cadmium            | 0.020  | U    | ug/L  | P441548  |          |
|           |                    | Chromium           | 1.6    |      | ug/L  | P441856  |          |
|           |                    | Cobalt             | 0.211  |      | ug/L  | P441548  |          |
|           |                    | Copper             | 0.40   | U    | ug/L  | P441548  |          |
|           |                    | Lead               | 0.35   | I    | ug/L  | P441548  |          |
|           |                    | Manganese          | 13.8   |      | ug/L  | P441548  |          |
|           |                    | Molybdenum         | 0.15   | U    | ug/L  | P441548  |          |
|           |                    | Nickel             | 0.74   | I    | ug/L  | P441856  |          |
|           |                    | Selenium           | 0.20   | U    | ug/L  | P441548  |          |
|           | SM 2340 B-2011     | Silver             | 0.010  | U    | ug/L  | P441548  |          |
|           |                    | Thallium           | 0.10   | U    | ug/L  | P441548  |          |
|           |                    | Hardness           | 20.3   |      | mg/L  | P441548  |          |

Ref. Method and Comment:  
EPA 8270E: Duplicate matrix spike lost in preparation. 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.

Quality Assurance Report  
Method Blank Results

Reference Method: EPA 200.7 Rev. 4.4  
Batch ID: P441548

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

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441548

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

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441856

| Component | Result | Code | Units |
|-----------|--------|------|-------|
| Chromium  | 0.40   | U    | ug/L  |
| Nickel    | 0.50   | U    | ug/L  |

Reference Method: EPA 8270E  
Batch ID: P441328

| Component       | Result | Code | Units |
|-----------------|--------|------|-------|
| Aldrin          | 0.65   | U    | ng/L  |
| Alpha-BHC       | 0.10   | U    | ng/L  |
| Alpha-Chlordane | 0.20   | U    | ng/L  |
| Beta-BHC        | 0.10   | U    | ng/L  |
| Beta-Cyfluthrin | 1.2    | U    | ng/L  |
| Bifenthrin      | 0.50   | U    | ng/L  |
| Chlorothalonil  | 3.6    | U    | ng/L  |
| Cis-Nonachlor   | 0.20   | U    | ng/L  |
| Cypermethrin    | 1.5    | U    | ng/L  |
| Dacthal         | 0.15   | U    | ng/L  |

## Quality Assurance Report

### Method Blank Results

Reference Method: EPA 8270E

Batch ID: P441328

| Component          | Result | Code | Units |
|--------------------|--------|------|-------|
| 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  |

Reference Method: EPA 8270E

Batch ID: P441876

| 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  |

## Quality Assurance Report

### Method Blank Results

Reference Method: EPA 8270E

Batch ID: P441876

| Component           | Result | Code | Units |
|---------------------|--------|------|-------|
| Acetochlor          | 0.20   | U    | ng/L  |
| Alachlor            | 0.40   | U    | ng/L  |
| Ametryn             | 1.1    | U    | ng/L  |
| Atrazine            | 0.20   | U    | ng/L  |
| Atrazine Desethyl   | 1.3    | U    | ng/L  |
| Avobenzone          | 100    | U    | ng/L  |
| Azinphos Methyl     | 3.0    | U    | ng/L  |
| Azoxystrobin        | 0.40   | U    | ng/L  |
| Bromacil            | 0.60   | U    | ng/L  |
| Butylate            | 0.45   | U    | ng/L  |
| Caffeine            | 7.5    | U    | ng/L  |
| Carbophenothion     | 0.50   | U    | ng/L  |
| Carfentrazone Ethyl | 0.15   | U    | ng/L  |
| Chlorfenapyr        | 0.30   | U    | ng/L  |
| Chlorpyrifos Ethyl  | 0.30   | U    | ng/L  |
| Chlorpyrifos Methyl | 0.10   | U    | ng/L  |
| Coumaphos           | 1.0    | U    | ng/L  |
| Cyanazine           | 5.0    | U    | ng/L  |
| Cyprodinil          | 0.20   | U    | ng/L  |
| Dechlorane 602      | 5.0    | U    | ng/L  |
| Dechlorane 603      | 4.0    | U    | ng/L  |
| Dechlorane Plus     | 30     | U    | ng/L  |
| Demeton             | 3.5    | U    | ng/L  |
| Diazinon            | 0.12   | U    | ng/L  |
| Difenoconazole      | 0.60   | U    | ng/L  |
| Dimethenamid        | 0.10   | U    | ng/L  |
| Dimethomorph        | 0.30   | U    | ng/L  |
| Disulfoton          | 0.60   | U    | ng/L  |
| Dithiopyr           | 1.0    | U    | ng/L  |
| EPTC                | 0.50   | U    | ng/L  |
| 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  |

## Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P441876

| Component                                     | Result | Code | Units |
|-----------------------------------------------|--------|------|-------|
| Metolachlor                                   | 0.75   | U    | ng/L  |
| Metribuzin                                    | 0.40   | U    | ng/L  |
| Mevinphos                                     | 1.0    | U    | ng/L  |
| Molinate                                      | 0.25   | U    | ng/L  |
| Myclobutanil                                  | 0.35   | U    | ng/L  |
| Naled                                         | 2.5    | U    | ng/L  |
| Napropamide                                   | 0.70   | U    | ng/L  |
| Norflurazon                                   | 1.0    | U    | ng/L  |
| Octinoxate                                    | 150    | U    | ng/L  |
| Oxadiazon                                     | 0.35   | U    | ng/L  |
| Oxybenzone                                    | 10     | U    | ng/L  |
| Oxyfluorfen                                   | 0.20   | U    | ng/L  |
| Parathion Ethyl                               | 0.15   | U    | ng/L  |
| Parathion Methyl                              | 0.20   | U    | ng/L  |
| PBB-153                                       | 6.0    | U    | ng/L  |
| PBDE-47                                       | 4.0    | U    | ng/L  |
| PBDE-99                                       | 5.0    | U    | ng/L  |
| Pendimethalin                                 | 1.7    | U    | ng/L  |
| Pentabromotoluene                             | 3.0    | U    | ng/L  |
| 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: P441914

| Component  | Result | Code | Units |
|------------|--------|------|-------|
| Acetochlor | 0.20   | U    | ng/L  |
| Alachlor   | 0.40   | U    | ng/L  |
| Ametryn    | 1.1    | U    | ng/L  |

## Quality Assurance Report

### Method Blank Results

Reference Method: EPA 8270E

Batch ID: P441914

| Component           | Result | Code | Units |
|---------------------|--------|------|-------|
| Atrazine            | 0.20   | U    | ng/L  |
| Atrazine Desethyl   | 1.3    | U    | ng/L  |
| Azinphos Methyl     | 3.0    | U    | ng/L  |
| Azoxystrobin        | 0.40   | U    | ng/L  |
| Bromacil            | 0.60   | U    | ng/L  |
| Butylate            | 0.45   | U    | ng/L  |
| Caffeine            | 7.5    | U    | ng/L  |
| Carbophenothion     | 0.50   | U    | ng/L  |
| Carfentrazone Ethyl | 0.15   | U    | ng/L  |
| Chlorfenapyr        | 0.30   | U    | ng/L  |
| Chlorpyrifos Ethyl  | 0.30   | U    | ng/L  |
| Chlorpyrifos Methyl | 0.10   | U    | ng/L  |
| Coumaphos           | 1.0    | U    | ng/L  |
| Cyanazine           | 5.0    | U    | ng/L  |
| Cyprodinil          | 0.20   | U    | ng/L  |
| 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  |
| Hexazinone          | 0.50   | U    | ng/L  |
| Imazalil            | 0.65   | U    | ng/L  |
| Iprodione           | 0.50   | U    | ng/L  |
| Loratadine          | 0.30   | U    | ng/L  |
| Malathion           | 0.35   | U    | ng/L  |
| Metalaxyl           | 0.50   | U    | ng/L  |
| Metolachlor         | 0.75   | U    | ng/L  |
| Metribuzin          | 0.40   | U    | ng/L  |
| Mevinphos           | 1.0    | U    | ng/L  |
| Molinate            | 0.25   | U    | ng/L  |
| Myclobutanil        | 0.35   | U    | ng/L  |
| Naled               | 2.5    | U    | ng/L  |
| Napropamide         | 0.70   | U    | ng/L  |
| Norflurazon         | 1.0    | U    | ng/L  |

## Quality Assurance Report

### Method Blank Results

Reference Method: EPA 8270E  
Batch ID: P441914

| Component        | Result | Code | Units |
|------------------|--------|------|-------|
| Oxadiazon        | 0.35   | U    | ng/L  |
| Oxyfluorfen      | 0.20   | U    | ng/L  |
| Parathion Ethyl  | 0.15   | U    | ng/L  |
| Parathion Methyl | 0.20   | U    | ng/L  |
| Pendimethalin    | 1.7    | U    | ng/L  |
| Phenytain        | 5.3    | U    | ng/L  |
| Phorate          | 0.25   | U    | ng/L  |
| Prodiamine       | 0.20   | U    | ng/L  |
| Prometon         | 3.0    | U    | ng/L  |
| Prometryn        | 0.35   | U    | ng/L  |
| Pronamide        | 0.10   | U    | ng/L  |
| Propanil         | 0.10   | U    | ng/L  |
| Propargite       | 0.80   | U    | ng/L  |
| Propiconazole    | 0.60   | U    | ng/L  |
| Pyraflufen Ethyl | 0.30   | U    | ng/L  |
| Pyridaben        | 1.4    | U    | ng/L  |
| Pyriproxyfen     | 0.25   | U    | ng/L  |
| Simazine         | 0.25   | U    | ng/L  |
| Stirophos        | 0.40   | U    | ng/L  |
| Sulfentrazone    | 1.4    | U    | ng/L  |
| Tebuconazole     | 1.4    | U    | ng/L  |
| Terbufos         | 0.20   | U    | ng/L  |
| Terbutylazine    | 0.20   | U    | ng/L  |
| Thiobencarb      | 0.50   | U    | ng/L  |
| Triadimefon      | 0.15   | U    | ng/L  |

Reference Method: EPA 8276  
Batch ID: P441328

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

Reference Method: EPA 8321B  
Batch ID: P441276

| 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: P441446

| 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  |

## Quality Assurance Report

### Method Blank Results

Reference Method: EPA 8321B  
Batch ID: P441446

| Component        | Result  | Code | Units |
|------------------|---------|------|-------|
| 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: P441467

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

Quality Assurance Report  
Laboratory Control Sample Accuracy

Reference Method: EPA 200.7 Rev. 4.4  
Batch ID: P441548

| Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-----------|---------|---------|-----------|----------------|
| Calcium   | 98.8    |         | P         | 80 - 120       |
| Iron      | 104     |         | P         | 80 - 120       |
| Magnesium | 104     |         | P         | 80 - 120       |
| Potassium | 102     |         | P         | 80 - 120       |
| Sodium    | 105     |         | P         | 85 - 115       |
| Strontium | 101     |         | P         | 85 - 115       |
| Tin       | 99.2    |         | P         | 80 - 120       |
| Titanium  | 102     |         | P         | 80 - 120       |
| Vanadium  | 99.9    |         | P         | 80 - 120       |
| Zinc      | 97.7    |         | P         | 80 - 120       |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441548

| Component  | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|------------|---------|---------|-----------|----------------|
| Aluminum   | 99.3    |         | P         | 85 - 115       |
| Antimony   | 99.1    |         | P         | 85 - 115       |
| Arsenic    | 101     |         | P         | 85 - 115       |
| Barium     | 99.9    |         | P         | 85 - 115       |
| Beryllium  | 95.9    |         | P         | 85 - 115       |
| Boron      | 102     |         | P         | 85 - 115       |
| Cadmium    | 99.4    |         | P         | 85 - 115       |
| Cobalt     | 99.5    |         | P         | 85 - 115       |
| Copper     | 100     |         | P         | 85 - 115       |
| Lead       | 95.2    |         | P         | 85 - 115       |
| Manganese  | 99.0    |         | P         | 85 - 115       |
| Molybdenum | 99.0    |         | P         | 85 - 115       |
| Selenium   | 98.2    |         | P         | 85 - 115       |
| Silver     | 111     |         | P         | 85 - 115       |
| Thallium   | 99.8    |         | P         | 85 - 115       |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441856

| Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-----------|---------|---------|-----------|----------------|
| Chromium  | 105     |         | P         | 85 - 115       |
| Nickel    | 99.4    |         | P         | 85 - 115       |

Reference Method: EPA 8270E  
Batch ID: P441328

| Component       | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-----------------|---------|---------|-----------|----------------|
| Aldrin          | 48.1    |         | P         | 30 - 96.0      |
| Alpha-BHC       | 83.0    |         | P         | 70 - 109       |
| Alpha-Chlordane | 67.3    |         | P         | 45 - 107       |
| Beta-BHC        | 87.4    |         | P         | 64 - 138       |
| Beta-Cyfluthrin | 77.3    |         | P         | 17 - 141       |
| Bifenthrin      | 51.8    |         | P         | 10 - 113       |
| Chlorothalonil  | 114     |         | P         | 26 - 180       |
| Cis-Nonachlor   | 39.4    |         | P         | 37 - 102       |
| Cypermethrin    | 62.1    |         | P         | 20 - 133       |
| Dacthal         | 112     |         | P         | 69 - 114       |

Quality Assurance Report  
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E  
Batch ID: P441328

| Component          | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|--------------------|---------|---------|-----------|----------------|
| DDD-p,p'           | 56.1    |         | P         | 42 - 105       |
| DDE-p,p'           | 53.2    |         | P         | 42 - 106       |
| DDT-p,p'           | 62.0    |         | P         | 42 - 107       |
| Delta-BHC          | 85.5    |         | P         | 67 - 144       |
| Deltamethrin       | 53.9    |         | P         | 15 - 149       |
| Dichlobenil        | 59.8    |         | P         | 46 - 117       |
| Dicofol            | 51.4    |         | P         | 34 - 114       |
| Dieldrin           | 51.4    |         | P         | 50 - 108       |
| Endosulfan I       | 54.7    |         | F         | 55 - 104       |
| Endosulfan II      | 70.2    |         | P         | 51 - 111       |
| Endosulfan Sulfate | 56.3    |         | P         | 56 - 121       |
| Endrin             | 53.0    |         | P         | 10 - 106       |
| Endrin Aldehyde    | 35.0    |         | P         | 34 - 114       |
| Endrin Ketone      | 98.7    |         | P         | 63 - 177       |
| Esfenvalerate      | 54.7    |         | P         | 29 - 143       |
| Ethalfuralin       | 51.7    |         | P         | 46 - 96.0      |
| Fenpropathrin      | 56.9    |         | P         | 28 - 115       |
| Gamma-BHC          | 91.7    |         | P         | 65 - 121       |
| Gamma-Chlordane    | 65.5    |         | P         | 39 - 103       |
| Heptachlor         | 53.0    |         | P         | 39 - 94.0      |
| Heptachlor Epoxide | 77.6    |         | P         | 54 - 104       |
| Hexachlorobenzene  | 46.3    |         | P         | 36 - 100       |
| Kepone             | 85.5    |         | P         | 10 - 225       |
| Lambda-Cyhalothrin | 54.6    |         | P         | 10 - 135       |
| Methoprene         | 59.5    |         | P         | 10 - 109       |
| Methoxychlor       | 70.1    |         | P         | 52 - 112       |
| MGK-264            | 94.8    |         | P         | 44 - 117       |
| Mirex              | 34.5    |         | P         | 20 - 90.0      |
| Oxychlordane       | 98.4    |         | P         | 44 - 102       |
| PCB-1016           | 81.0    |         | P         | 45 - 107       |
| PCB-1260           | 97.5    |         | P         | 40 - 118       |
| Permethrin         | 59.5    |         | P         | 18 - 135       |
| Phenothrin         | 50.4    |         | P         | 10 - 102       |
| Piperonyl Butoxide | 77.2    |         | P         | 28 - 156       |
| Prallethrin        | 50.6    |         | P         | 28 - 113       |
| Tau-Fluvalinate    | 55.8    |         | P         | 10 - 123       |
| Tetramethrin       | 74.1    |         | P         | 18 - 158       |
| Trans-Nonachlor    | 50.1    |         | P         | 39 - 104       |
| Triclosan Methyl   | 77.1    |         | P         | 54 - 108       |
| Trifluralin        | 48.3    |         | P         | 46 - 97.0      |

Reference Method: EPA 8270E  
Batch ID: P441876

| Component                                                | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|----------------------------------------------------------|---------|---------|-----------|----------------|
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 54.0    |         | P         | 50 - 150       |
| 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)          | 97.1    |         | P         | 37 - 154       |
| Acetochlor                                               | 104     |         | P         | 64 - 124       |
| Alachlor                                                 | 90.0    |         | P         | 61 - 118       |
| Ametryn                                                  | 97.6    |         | P         | 47 - 158       |
| Atrazine                                                 | 93.9    |         | P         | 68 - 121       |
| Atrazine Desethyl                                        | 81.2    |         | P         | 30 - 119       |

## Quality Assurance Report

### Laboratory Control Sample Accuracy

Reference Method: EPA 8270E  
Batch ID: P441876

| Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------------|---------|---------|-----------|----------------|
| Avobenzene          | 124     |         | P         | 48 - 193       |
| Azinphos Methyl     | 129     |         | P         | 30 - 194       |
| Azoxystrobin        | 93.2    |         | P         | 58 - 154       |
| Bromacil            | 108     |         | P         | 47 - 126       |
| Butylate            | 58.4    |         | P         | 31 - 83.0      |
| Caffeine            | 98.9    |         | P         | 10 - 180       |
| Carbophenothion     | 80.5    |         | P         | 59 - 133       |
| Carfentrazone Ethyl | 90.3    |         | P         | 59 - 147       |
| Chlorfenapyr        | 78.4    |         | P         | 52 - 118       |
| Chlorpyrifos Ethyl  | 102     |         | P         | 59 - 119       |
| Chlorpyrifos Methyl | 103     |         | P         | 65 - 123       |
| Coumaphos           | 105     |         | P         | 11 - 223       |
| Cyanazine           | 103     |         | P         | 63 - 250       |
| Cyprodinil          | 86.5    |         | P         | 52 - 143       |
| Dechlorane 602      | 95.4    |         | P         | 23 - 142       |
| Dechlorane 603      | 107     |         | P         | 51 - 171       |
| Dechlorane Plus     | 94.8    |         | P         | 46 - 161       |
| Demeton             | 87.3    |         | P         | 42 - 119       |
| Diazinon            | 104     |         | P         | 67 - 132       |
| Difenoconazole      | 74.2    |         | P         | 12 - 204       |
| Dimethenamid        | 102     |         | P         | 53 - 113       |
| Dimethomorph        | 95.4    |         | P         | 13 - 238       |
| Disulfoton          | 92.0    |         | P         | 56 - 126       |
| Dithiopyr           | 95.4    |         | P         | 58 - 127       |
| EPTC                | 55.2    |         | P         | 31 - 78.0      |
| Ethion              | 86.9    |         | P         | 24 - 127       |
| Ethoprop            | 83.4    |         | P         | 60 - 118       |
| Etridiazole         | 70.1    |         | P         | 32 - 91.0      |
| Fenamiphos          | 97.9    |         | P         | 54 - 129       |
| Fenbuconazole       | 64.1    |         | P         | 31 - 162       |
| Fipronil            | 101     |         | P         | 56 - 131       |
| Fipronil Desulfinyl | 83.4    |         | P         | 58 - 132       |
| Fipronil Sulfide    | 89.7    |         | P         | 51 - 123       |
| Fipronil Sulfone    | 86.9    |         | P         | 50 - 125       |
| Fluazifop-P-butyl   | 79.0    |         | P         | 52 - 132       |
| Fludioxonil         | 79.1    |         | P         | 52 - 129       |
| Flumioxazin         | 168     |         | P         | 34 - 250       |
| Flutolanil          | 85.5    |         | P         | 45 - 128       |
| Fluxapyroxad        | 107     |         | P         | 31 - 150       |
| Fonofos             | 83.0    |         | P         | 60 - 116       |
| Hexabromobenzene    | 93.8    |         | P         | 52 - 165       |
| Hexazinone          | 97.3    |         | P         | 59 - 120       |
| Imazalil            | 80.1    |         | P         | 39 - 134       |
| Iprodione           | 104     |         | P         | 39 - 243       |
| Loratadine          | 80.5    |         | P         | 10 - 240       |
| Malathion           | 123     |         | P         | 53 - 145       |
| Metalaxyl           | 90.6    |         | P         | 59 - 120       |
| Metolachlor         | 84.3    |         | P         | 64 - 122       |
| Metribuzin          | 95.8    |         | P         | 33 - 128       |
| Mevinphos           | 111     |         | P         | 48 - 119       |
| Molinate            | 66.9    |         | P         | 42 - 89.0      |
| Myclobutanil        | 103     |         | P         | 54 - 129       |

Quality Assurance Report  
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E  
Batch ID: P441876

| Component                                     | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-----------------------------------------------|---------|---------|-----------|----------------|
| Naled                                         | 79.3    |         | P         | 10 - 138       |
| Napropamide                                   | 73.6    |         | P         | 40 - 122       |
| Norflurazon                                   | 79.5    |         | P         | 49 - 132       |
| Octinoxate                                    | 98.1    |         | P         | 29 - 176       |
| Oxadiazon                                     | 78.0    |         | P         | 50 - 115       |
| Oxybenzone                                    | 96.3    |         | P         | 45 - 145       |
| Oxyfluorfen                                   | 107     |         | P         | 62 - 149       |
| Parathion Ethyl                               | 92.8    |         | P         | 68 - 119       |
| Parathion Methyl                              | 98.8    |         | P         | 68 - 147       |
| PBB-153                                       | 97.7    |         | P         | 42 - 179       |
| PBDE-47                                       | 103     |         | P         | 44 - 141       |
| PBDE-99                                       | 102     |         | P         | 36 - 141       |
| Pendimethalin                                 | 118     |         | P         | 59 - 158       |
| Pentabromotoluene                             | 84.1    |         | P         | 58 - 148       |
| Phenytoin                                     | 94.8    |         | P         | 10 - 151       |
| Phorate                                       | 75.5    |         | P         | 44 - 124       |
| Prodiamine                                    | 118     |         | P         | 10 - 136       |
| Prometon                                      | 112     |         | P         | 45 - 131       |
| Prometryn                                     | 110     |         | P         | 52 - 140       |
| Pronamide                                     | 109     |         | P         | 70 - 129       |
| Propanil                                      | 86.2    |         | P         | 54 - 144       |
| Propargite                                    | 81.5    |         | P         | 10 - 191       |
| Propiconazole                                 | 89.2    |         | P         | 49 - 128       |
| Pyraflufen Ethyl                              | 84.5    |         | P         | 46 - 141       |
| Pyridaben                                     | 110     |         | P         | 29 - 198       |
| Pyriproxyfen                                  | 103     |         | P         | 33 - 221       |
| Simazine                                      | 100     |         | P         | 62 - 119       |
| Stirophos                                     | 88.1    |         | P         | 13 - 144       |
| Sulfentrazone                                 | 102     |         | P         | 12 - 152       |
| Tebuconazole                                  | 85.2    |         | P         | 10 - 135       |
| Terbufos                                      | 85.3    |         | P         | 67 - 136       |
| Terbuthylazine                                | 91.4    |         | P         | 66 - 113       |
| Tetradecachloro-m-terphenyl                   | 80.5    |         | P         | 30 - 235       |
| Thiobencarb                                   | 104     |         | P         | 51 - 125       |
| Tri-o-cresyl Phosphate                        | 107     |         | P         | 50 - 150       |
| Triadimefon                                   | 73.7    |         | P         | 57 - 118       |
| Tris(1-chloro-2-propyl) phosphate (TCPP)      | 98.4    |         | P         | 60 - 160       |
| Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | 107     |         | P         | 66 - 141       |
| Tris(2-chloroethyl) phosphate (TCEP)          | 108     |         | P         | 59 - 166       |

Reference Method: EPA 8270E  
Batch ID: P441914

| Component         | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-------------------|---------|---------|-----------|----------------|
| Acetochlor        | 83.2    |         | P         | 64 - 124       |
| Alachlor          | 81.1    |         | P         | 61 - 118       |
| Ametryn           | 99.4    |         | P         | 47 - 158       |
| Atrazine          | 70.3    |         | P         | 68 - 121       |
| Atrazine Desethyl | 91.3    |         | P         | 30 - 119       |
| Azinphos Methyl   | 103     |         | P         | 30 - 194       |
| Azoxystrobin      | 92.8    |         | P         | 58 - 154       |
| Bromacil          | 104     |         | P         | 47 - 126       |

## Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E  
Batch ID: P441914

| Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------------|---------|---------|-----------|----------------|
| 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       |
| 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       |
| 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       |
| 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       |
| Oxadiazon           | 61.8    |         | P         | 50 - 115       |
| Oxyfluorfen         | 97.6    |         | P         | 62 - 149       |
| Parathion Ethyl     | 62.5    |         | F         | 68 - 119       |
| Parathion Methyl    | 70.0    |         | P         | 68 - 147       |
| Pendimethalin       | 86.3    |         | P         | 59 - 158       |

Quality Assurance Report  
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E  
Batch ID: P441914

| Component        | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|------------------|---------|---------|-----------|----------------|
| 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       |
| Terbutylazine    | 70.0    |         | P         | 66 - 113       |
| Thiobencarb      | 101     |         | P         | 51 - 125       |
| Triadimefon      | 75.1    |         | P         | 57 - 118       |

Reference Method: EPA 8276  
Batch ID: P441328

| Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|-----------|---------|---------|-----------|----------------|
| Chlordane | 90.5    |         | P         | 52 - 117       |
| Toxaphene | 96.5    |         | P         | 44 - 125       |

Reference Method: EPA 8321B  
Batch ID: P441276

| Component    | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|--------------|---------|---------|-----------|----------------|
| Acesulfame K | 98.3    |         | P         | 40 - 150       |
| AMPA         | 94.6    |         | P         | 40 - 160       |
| Endothall    | 92.0    |         | P         | 40 - 160       |
| Glufosinate  | 74.7    |         | P         | 40 - 160       |
| Glyphosate   | 79.1    |         | P         | 40 - 160       |
| Sucralose    | 100     |         | P         | 40 - 150       |

Reference Method: EPA 8321B  
Batch ID: P441446

| Component        | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|------------------|---------|---------|-----------|----------------|
| 2,4-D            | 106     |         | P         | 40 - 150       |
| 2,4,5-T          | 128     |         | P         | 40 - 150       |
| Acetaminophen    | 88.0    |         | P         | 30 - 150       |
| Acetamiprid      | 75.8    |         | P         | 40 - 150       |
| Afidopyropen     | 55.6    |         | P         | 30 - 150       |
| Bentazon         | 95.7    |         | P         | 30 - 150       |
| Benzovindiflupyr | 83.9    |         | P         | 40 - 150       |
| Carbamazepine    | 87.9    |         | P         | 40 - 150       |
| Clothianidin     | 88.6    |         | P         | 40 - 150       |

Quality Assurance Report  
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B  
Batch ID: P441446

| Component      | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|----------------|---------|---------|-----------|----------------|
| Dinotefuran    | 99.0    |         | P         | 40 - 150       |
| Diuron         | 82.3    |         | P         | 40 - 150       |
| Fenuron        | 97.5    |         | P         | 40 - 150       |
| Fluridone      | 96.5    |         | P         | 40 - 150       |
| Hydrocodone    | 89.3    |         | P         | 40 - 150       |
| Ibuprofen      | 99.5    |         | P         | 40 - 150       |
| Imazapyr       | 101     |         | P         | 40 - 150       |
| Imidacloprid   | 86.6    |         | P         | 40 - 150       |
| Linuron        | 77.5    |         | P         | 40 - 150       |
| Mandestrobin   | 88.7    |         | P         | 40 - 150       |
| MCPP           | 101     |         | P         | 40 - 150       |
| Naproxen       | 77.7    |         | P         | 40 - 150       |
| Primidone      | 79.8    |         | P         | 40 - 150       |
| Pyraclostrobin | 78.9    |         | P         | 40 - 150       |
| Silvex         | 93.1    |         | P         | 40 - 150       |
| Thiamethoxam   | 86.2    |         | P         | 40 - 150       |
| Tolfenpyrad    | 49.8    |         | P         | 30 - 150       |
| Triclopyr      | 124     |         | P         | 40 - 150       |

Reference Method: EPA 8321B  
Batch ID: P441467

| Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------------|---------|---------|-----------|----------------|
| 3-Hydroxycarbofuran | 77.1    |         | P         | 40 - 150       |
| Aldicarb            | 61.3    |         | P         | 30 - 150       |
| Aldicarb Sulfone    | 91.5    |         | P         | 40 - 150       |
| Aldicarb Sulfoxide  | 120     |         | P         | 40 - 150       |
| Carbaryl            | 80.3    |         | P         | 40 - 150       |
| Carbofuran          | 81.1    |         | P         | 40 - 150       |
| Methiocarb          | 69.0    |         | P         | 40 - 150       |
| Methomyl            | 89.3    |         | P         | 40 - 150       |
| Oxamyl              | 97.5    |         | P         | 40 - 150       |
| Propoxur            | 79.1    |         | P         | 40 - 150       |

Quality Assurance Report  
Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4  
Batch ID: P441548

| Spiked Sample | Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------|---------|---------|-----------|----------------|
| 2468709       | Calcium   | 96.6    |         | P         | 80 - 120       |
| 2468709       | Iron      | 105     | 101     | P/P       | 80 - 120       |
| 2468709       | Magnesium | 104     | 100     | P/P       | 80 - 120       |
| 2468709       | Potassium | 98.2    | 96.0    | P/P       | 80 - 120       |
| 2468709       | Sodium    | 91.4    | 93.3    | P/P       | 80 - 120       |
| 2468709       | Strontium | 102     | 102     | P/P       | 80 - 120       |
| 2468709       | Tin       | 94.6    | 93.9    | P/P       | 80 - 120       |
| 2468709       | Titanium  | 79.5    | 77.8    | F/F       | 80 - 120       |
| 2468709       | Vanadium  | 99.9    | 99.3    | P/P       | 80 - 120       |
| 2468709       | Zinc      | 95.3    | 94.4    | P/P       | 80 - 120       |
| 2468940       | Calcium   | 98.1    |         | P         | 80 - 120       |
| 2468940       | Iron      | 98.0    |         | P         | 80 - 120       |
| 2468940       | Magnesium | 93.5    |         | P         | 80 - 120       |
| 2468940       | Potassium | 94.3    |         | P         | 80 - 120       |
| 2468940       | Sodium    | 86.1    |         | P         | 80 - 120       |
| 2468940       | Strontium | 100     |         | P         | 80 - 120       |
| 2468940       | Tin       | 93.7    |         | P         | 80 - 120       |
| 2468940       | Titanium  | 98.9    |         | P         | 80 - 120       |
| 2468940       | Vanadium  | 99.2    |         | P         | 80 - 120       |
| 2468940       | Zinc      | 95.5    |         | P         | 80 - 120       |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441548

| Spiked Sample | Component  | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|------------|---------|---------|-----------|----------------|
| 2468709       | Aluminum   | 86.6    | 96.3    | P/P       | 80 - 120       |
| 2468709       | Antimony   | 98.5    | 98.0    | P/P       | 80 - 120       |
| 2468709       | Arsenic    | 102     | 102     | P/P       | 80 - 120       |
| 2468709       | Barium     | 101     | 101     | P/P       | 80 - 120       |
| 2468709       | Beryllium  | 98.0    | 94.7    | P/P       | 80 - 120       |
| 2468709       | Boron      | 105     | 105     | P/P       | 80 - 120       |
| 2468709       | Cadmium    | 102     | 99.5    | P/P       | 80 - 120       |
| 2468709       | Cobalt     | 102     | 101     | P/P       | 80 - 120       |
| 2468709       | Copper     | 102     | 101     | P/P       | 80 - 120       |
| 2468709       | Lead       | 95.9    | 95.7    | P/P       | 80 - 120       |
| 2468709       | Manganese  | 102     | 99.8    | P/P       | 80 - 120       |
| 2468709       | Molybdenum | 104     | 99.9    | P/P       | 80 - 120       |
| 2468709       | Selenium   | 98.7    | 98.4    | P/P       | 80 - 120       |
| 2468709       | Silver     | 111     | 112     | P/P       | 80 - 120       |
| 2468709       | Thallium   | 104     | 103     | P/P       | 80 - 120       |
| 2468940       | Aluminum   | 98.4    |         | P         | 80 - 120       |
| 2468940       | Antimony   | 100     |         | P         | 80 - 120       |
| 2468940       | Arsenic    | 104     |         | P         | 80 - 120       |
| 2468940       | Barium     | 101     |         | P         | 80 - 120       |
| 2468940       | Beryllium  | 98.2    |         | P         | 80 - 120       |
| 2468940       | Boron      | 104     |         | P         | 80 - 120       |
| 2468940       | Cadmium    | 100     |         | P         | 80 - 120       |
| 2468940       | Cobalt     | 101     |         | P         | 80 - 120       |
| 2468940       | Copper     | 101     |         | P         | 80 - 120       |
| 2468940       | Lead       | 97.7    |         | P         | 80 - 120       |
| 2468940       | Manganese  | 100     |         | P         | 80 - 120       |
| 2468940       | Molybdenum | 103     |         | P         | 80 - 120       |

## Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441548

| Spiked Sample | Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------|---------|---------|-----------|----------------|
| 2468940       | Selenium  | 100     |         | P         | 80 - 120       |
| 2468940       | Silver    | 111     |         | P         | 80 - 120       |
| 2468940       | Thallium  | 106     |         | P         | 80 - 120       |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441856

| Spiked Sample | Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------|---------|---------|-----------|----------------|
| 2468453       | Chromium  | 96.8    | 98.7    | P/P       | 80 - 120       |
| 2468453       | Nickel    | 95.3    | 97.6    | P/P       | 80 - 120       |
| 2469066       | Chromium  | 101     |         | P         | 80 - 120       |
| 2469066       | Nickel    | 97.5    |         | P         | 80 - 120       |

Reference Method: EPA 8270E  
Batch ID: P441328

| Spiked Sample | Component          | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|--------------------|---------|---------|-----------|----------------|
| 2468371       | PCB-1016           | 71.6    | 70.9    | P/P       | 45 - 107       |
| 2468371       | PCB-1260           | 79.6    | 86.6    | P/P       | 40 - 112       |
| 2468899       | Aldrin             | 63.5    |         | P         | 24 - 81.0      |
| 2468899       | Alpha-BHC          | 87.8    |         | P         | 65 - 110       |
| 2468899       | Alpha-Chlordane    | 88.3    |         | P         | 43 - 119       |
| 2468899       | Beta-BHC           | 94.6    |         | P         | 54 - 165       |
| 2468899       | Beta-Cyfluthrin    | 91.6    |         | P         | 27 - 165       |
| 2468899       | Bifenthrin         | 55.3    |         | P         | 17 - 117       |
| 2468899       | Chlorothalonil     | 93.6    |         | P         | 10 - 255       |
| 2468899       | Cis-Nonachlor      | 79.2    |         | P         | 34 - 98.0      |
| 2468899       | Cypermethrin       | 103     |         | P         | 25 - 143       |
| 2468899       | Dacthal            | 100     |         | P         | 55 - 139       |
| 2468899       | DDD-p,p'           | 82.9    |         | P         | 30 - 109       |
| 2468899       | DDE-p,p'           | 71.1    |         | P         | 35 - 106       |
| 2468899       | DDT-p,p'           | 72.2    |         | P         | 41 - 101       |
| 2468899       | Delta-BHC          | 83.7    |         | P         | 58 - 165       |
| 2468899       | Deltamethrin       | 97.4    |         | P         | 10 - 194       |
| 2468899       | Dichlobenil        | 72.9    |         | P         | 22 - 114       |
| 2468899       | Dicofol            | 64.5    |         | P         | 17 - 133       |
| 2468899       | Dieldrin           | 78.3    |         | P         | 45 - 129       |
| 2468899       | Endosulfan I       | 84.0    |         | P         | 49 - 104       |
| 2468899       | Endosulfan II      | 93.5    |         | P         | 37 - 117       |
| 2468899       | Endosulfan Sulfate | 76.2    |         | P         | 38 - 128       |
| 2468899       | Endrin             | 84.1    |         | P         | 35 - 116       |
| 2468899       | Endrin Aldehyde    | 73.6    |         | P         | 19 - 108       |
| 2468899       | Endrin Ketone      | 107     |         | P         | 44 - 134       |
| 2468899       | Esfenvalerate      | 84.3    |         | P         | 27 - 176       |
| 2468899       | Ethalfuralin       | 71.7    |         | P         | 49 - 100       |
| 2468899       | Fenpropathrin      | 86.6    |         | P         | 34 - 117       |
| 2468899       | Gamma-BHC          | 103     |         | P         | 59 - 129       |
| 2468899       | Gamma-Chlordane    | 90.2    |         | P         | 33 - 107       |
| 2468899       | Heptachlor         | 77.0    |         | P         | 37 - 94.0      |
| 2468899       | Heptachlor Epoxide | 83.1    |         | P         | 38 - 118       |
| 2468899       | Hexachlorobenzene  | 68.7    |         | P         | 35 - 97.0      |
| 2468899       | Kepone             | 93.2    |         | P         | 10 - 221       |

## Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E  
Batch ID: P441328

| Spiked Sample | Component          | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|--------------------|---------|---------|-----------|----------------|
| 2468899       | Lambda-Cyhalothrin | 72.9    |         | P         | 23 - 190       |
| 2468899       | Methoprene         | 85.6    |         | P         | 21 - 109       |
| 2468899       | Methoxychlor       | 80.5    |         | P         | 46 - 118       |
| 2468899       | MGK-264            | 93.5    |         | P         | 39 - 122       |
| 2468899       | Mirex              | 61.3    |         | P         | 25 - 90.0      |
| 2468899       | Oxychlordane       | 96.8    |         | P         | 42 - 100       |
| 2468899       | Permethrin         | 83.1    |         | P         | 33 - 181       |
| 2468899       | Phenothrin         | 65.0    |         | P         | 12 - 125       |
| 2468899       | Piperonyl Butoxide | 89.3    |         | P         | 10 - 178       |
| 2468899       | Prallethrin        | 75.5    |         | P         | 24 - 122       |
| 2468899       | Tau-Fluvalinate    | 72.8    |         | P         | 13 - 151       |
| 2468899       | Tetramethrin       | 88.8    |         | P         | 16 - 172       |
| 2468899       | Trans-Nonachlor    | 74.6    |         | P         | 39 - 100       |
| 2468899       | Triclosan Methyl   | 96.1    |         | P         | 43 - 110       |
| 2468899       | Trifluralin        | 75.7    |         | P         | 45 - 94.0      |

Reference Method: EPA 8270E  
Batch ID: P441876

| Spiked Sample | Component                                                | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|----------------------------------------------------------|---------|---------|-----------|----------------|
| 2469595       | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 51.5    | 90.5    | P/P       | 50 - 150       |
| 2469595       | 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)          | 90.6    | 100     | P/P       | 29 - 155       |
| 2469595       | Acetochlor                                               | 107     | 105     | P/P       | 60 - 124       |
| 2469595       | Alachlor                                                 | 80.3    | 92.3    | P/P       | 54 - 122       |
| 2469595       | Ametryn                                                  | 125     | 118     | P/P       | 51 - 208       |
| 2469595       | Atrazine Desethyl                                        | 101     | 100     | P/P       | 13 - 124       |
| 2469595       | Avobenzone                                               | 114     | 117     | P/P       | 35 - 187       |
| 2469595       | Azinphos Methyl                                          | 105     | 103     | P/P       | 43 - 276       |
| 2469595       | Azoxystrobin                                             | 99.8    | 105     | P/P       | 52 - 300       |
| 2469595       | Bromacil                                                 | 111     | 104     | P/P       | 44 - 134       |
| 2469595       | Butylate                                                 | 62.1    | 62.6    | P/P       | 23 - 82.0      |
| 2469595       | Caffeine                                                 | 104     | 111     | P/P       | 10 - 277       |
| 2469595       | Carbophenothion                                          | 73.4    | 83.4    | P/P       | 47 - 135       |
| 2469595       | Carfentrazone Ethyl                                      | 74.4    | 73.3    | P/P       | 46 - 147       |
| 2469595       | Chlorfenapyr                                             | 74.4    | 84.6    | P/P       | 43 - 114       |
| 2469595       | Chlorpyrifos Ethyl                                       | 115     | 110     | P/P       | 47 - 124       |
| 2469595       | Chlorpyrifos Methyl                                      | 123     | 108     | P/P       | 60 - 135       |
| 2469595       | Coumaphos                                                | 97.4    | 121     | P/P       | 10 - 222       |
| 2469595       | Cyanazine                                                | 100     | 111     | P/P       | 10 - 257       |
| 2469595       | Cyprodinil                                               | 95.9    | 113     | P/P       | 42 - 148       |
| 2469595       | Dechlorane 602                                           | 64.4    | 81.5    | P/P       | 14 - 133       |
| 2469595       | Dechlorane 603                                           | 84.4    | 93.6    | P/P       | 18 - 191       |
| 2469595       | Dechlorane Plus                                          | 75.9    | 80.4    | P/P       | 23 - 154       |
| 2469595       | Demeton                                                  | 119     | 107     | P/P       | 41 - 137       |
| 2469595       | Diazinon                                                 | 134     | 120     | P/P       | 64 - 139       |
| 2469595       | Difenoconazole                                           | 82.2    | 88.6    | P/P       | 46 - 254       |
| 2469595       | Dimethenamid                                             | 110     | 107     | P/P       | 47 - 117       |
| 2469595       | Dimethomorph                                             | 115     | 128     | P/P       | 14 - 255       |
| 2469595       | Disulfoton                                               | 123     | 113     | P/P       | 52 - 130       |
| 2469595       | Dithiopyr                                                | 107     | 102     | P/P       | 40 - 121       |
| 2469595       | EPTC                                                     | 58.6    | 58.9    | P/P       | 19 - 78.0      |
| 2469595       | Ethion                                                   | 72.4    | 87.7    | P/P       | 12 - 124       |

## Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E  
Batch ID: P441876

| Spiked Sample | Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|---------------------|---------|---------|-----------|----------------|
| 2469595       | Ethoprop            | 95.3    | 92.4    | P/P       | 68 - 144       |
| 2469595       | Etridiazole         | 71.6    | 62.0    | P/P       | 26 - 96.0      |
| 2469595       | Fenamiphos          | 75.3    | 92.0    | P/P       | 41 - 129       |
| 2469595       | Fenbuconazole       | 58.4    | 74.5    | P/P       | 26 - 169       |
| 2469595       | Fipronil            | 112     | 104     | P/P       | 46 - 145       |
| 2469595       | Fipronil Desulfinyl | 97.5    | 83.2    | P/P       | 47 - 136       |
| 2469595       | Fipronil Sulfide    | 99.8    | 93.6    | P/P       | 41 - 127       |
| 2469595       | Fipronil Sulfone    | 77.6    | 90.4    | P/P       | 35 - 133       |
| 2469595       | Fluazifop-P-butyl   | 72.7    | 84.3    | P/P       | 46 - 131       |
| 2469595       | Fludioxonil         | 73.1    | 81.4    | P/P       | 51 - 124       |
| 2469595       | Flumioxazin         | 132     | 143     | P/P       | 10 - 289       |
| 2469595       | Flutolanil          | 60.4    | 74.6    | P/P       | 34 - 130       |
| 2469595       | Fluxapyroxad        | 104     | 123     | P/P       | 10 - 197       |
| 2469595       | Fonofos             | 91.1    | 96.6    | P/P       | 42 - 131       |
| 2469595       | Hexabromobenzene    | 107     | 99.8    | P/P       | 47 - 178       |
| 2469595       | Hexazinone          | 110     | 112     | P/P       | 64 - 125       |
| 2469595       | Imazalil            | 110     | 85.7    | P/P       | 37 - 252       |
| 2469595       | Iprodione           | 48.9    | 11.7    | P/F       | 34 - 265       |
| 2469595       | Loratadine          | 81.4    | 97.4    | P/P       | 20 - 231       |
| 2469595       | Malathion           | 26.3    | 76.4    | F/P       | 34 - 164       |
| 2469595       | Metalaxyl           | 98.1    | 102     | P/P       | 49 - 125       |
| 2469595       | Metolachlor         | 69.6    | 88.3    | P/P       | 54 - 125       |
| 2469595       | Metribuzin          | 108     | 105     | P/P       | 51 - 139       |
| 2469595       | Mevinphos           | 115     | 90.6    | P/P       | 46 - 130       |
| 2469595       | Molinate            | 76.7    | 78.3    | P/P       | 39 - 93.0      |
| 2469595       | Myclobutanil        | 113     | 110     | P/P       | 50 - 130       |
| 2469595       | Naled               | 83.5    | 59.7    | P/P       | 10 - 150       |
| 2469595       | Napropamide         | 62.1    | 77.7    | P/P       | 10 - 109       |
| 2469595       | Norflurazon         | 67.1    | 82.6    | P/P       | 36 - 134       |
| 2469595       | Octinoxate          | 89.3    | 89.7    | P/P       | 18 - 170       |
| 2469595       | Oxadiazon           | 72.3    | 82.4    | P/P       | 43 - 112       |
| 2469595       | Oxybenzone          | 87.3    | 86.6    | P/P       | 33 - 154       |
| 2469595       | Oxyfluorfen         | 125     | 118     | P/P       | 62 - 154       |
| 2469595       | Parathion Ethyl     | 101     | 106     | P/P       | 65 - 120       |
| 2469595       | Parathion Methyl    | 115     | 117     | P/P       | 77 - 185       |
| 2469595       | PBB-153             | 91.2    | 97.1    | P/P       | 23 - 193       |
| 2469595       | PBDE-47             | 86.5    | 92.3    | P/P       | 31 - 139       |
| 2469595       | PBDE-99             | 82.2    | 90.2    | P/P       | 24 - 138       |
| 2469595       | Pendimethalin       | 101     | 127     | P/P       | 50 - 146       |
| 2469595       | Pentabromotoluene   | 79.9    | 76.9    | P/P       | 54 - 152       |
| 2469595       | Phenytoin           | 30.1    | 35.6    | P/P       | 10 - 157       |
| 2469595       | Phorate             | 110     | 105     | P/P       | 54 - 161       |
| 2469595       | Prodiamine          | 107     | 113     | P/P       | 29 - 160       |
| 2469595       | Prometon            | 125     | 130     | P/P       | 38 - 145       |
| 2469595       | Prometryn           | 104     | 130     | P/P       | 32 - 151       |
| 2469595       | Pronamide           | 116     | 120     | P/P       | 61 - 140       |
| 2469595       | Propanil            | 77.5    | 88.7    | P/P       | 50 - 147       |
| 2469595       | Propargite          | 79.6    | 79.0    | P/P       | 10 - 190       |
| 2469595       | Propiconazole       | 95.4    | 112     | P/P       | 30 - 146       |
| 2469595       | Pyraflufen Ethyl    | 74.7    | 70.0    | P/P       | 30 - 147       |
| 2469595       | Pyridaben           | 106     | 133     | P/P       | 15 - 195       |
| 2469595       | Pyriproxyfen        | 103     | 118     | P/P       | 31 - 218       |

## Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P441876

| Spiked Sample | Component                                     | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------------------------------------------|---------|---------|-----------|----------------|
| 2469595       | Simazine                                      | 108     | 114     | P/P       | 45 - 139       |
| 2469595       | Stirophos                                     | 56.6    | 69.0    | P/P       | 10 - 134       |
| 2469595       | Sulfentrazone                                 | 30.3    | 31.4    | F/F       | 53 - 186       |
| 2469595       | Tebuconazole                                  | 80.3    | 97.9    | P/P       | 10 - 133       |
| 2469595       | Terbufos                                      | 102     | 106     | P/P       | 65 - 151       |
| 2469595       | Terbutylazine                                 | 91.0    | 97.8    | P/P       | 62 - 117       |
| 2469595       | Tetradecachloro-m-terphenyl                   | 85.7    | 77.7    | P/P       | 10 - 260       |
| 2469595       | Thiobencarb                                   | 39.6    | 104     | F/P       | 48 - 122       |
| 2469595       | Tri-o-cresyl Phosphate                        | 95.9    | 96.8    | P/P       | 32 - 151       |
| 2469595       | Triadimefon                                   | 91.5    | 77.8    | P/P       | 46 - 124       |
| 2469595       | Tris(1-chloro-2-propyl) phosphate (TCPP)      | 98.8    | 94.4    | P/P       | 51 - 154       |
| 2469595       | Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | 97.5    | 99.7    | P/P       | 59 - 147       |
| 2469595       | Tris(2-chloroethyl) phosphate (TCEP)          | 97.1    | 94.5    | P/P       | 65 - 156       |

Reference Method: EPA 8270E

Batch ID: P441914

| Spiked Sample | Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|---------------------|---------|---------|-----------|----------------|
| 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       | 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       |
| 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       | 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       |

## 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       | 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       | Hexazinone        | 77.2    | 75.9    | P/P       | 64 - 125       |
| 2470412       | Imazail           | 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       | Oxadiazon         | 60.6    | 61.7    | P/P       | 43 - 112       |
| 2470412       | Oxyfluorfen       | 109     | 113     | P/P       | 62 - 154       |
| 2470412       | Parathion Ethyl   | 71.4    | 73.7    | P/P       | 65 - 120       |
| 2470412       | Parathion Methyl  | 65.5    | 77.8    | F/P       | 77 - 185       |
| 2470412       | Pendimethalin     | 101     | 95.2    | P/P       | 50 - 146       |
| 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       | Thiobencarb       | 86.5    | 89.3    | P/P       | 48 - 122       |
| 2470412       | Triadimefon       | 75.6    | 87.6    | P/P       | 46 - 124       |

Reference Method: EPA 8276  
Batch ID: P441328

| Spiked Sample | Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------|---------|---------|-----------|----------------|
| 2468371       | Chlordane | 76.9    | 88.5    | P/P       | 43 - 123       |

## Quality Assurance Report

### Matrix Spike Accuracy

Reference Method: EPA 8276  
Batch ID: P441328

| Spiked Sample | Component | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|-----------|---------|---------|-----------|----------------|
| 2468371       | Toxaphene | 88.3    | 97.6    | P/P       | 27 - 156       |

Reference Method: EPA 8321B  
Batch ID: P441276

| Spiked Sample | Component    | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|--------------|---------|---------|-----------|----------------|
| 2467984       | Acesulfame K | 116     | 117     | P/P       | 40 - 150       |
| 2467984       | AMPA         | 80.4    | 83.8    | P/P       | 40 - 160       |
| 2467984       | Endothall    | 99.2    | 97.5    | P/P       | 40 - 160       |
| 2467984       | Glufosinate  | 80.6    | 85.4    | P/P       | 40 - 160       |
| 2467984       | Glyphosate   | 68.5    | 74.9    | P/P       | 40 - 160       |
| 2467984       | Sucralose    | 104     | 108     | P/P       | 40 - 150       |

Reference Method: EPA 8321B  
Batch ID: P441446

| Spiked Sample | Component        | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|------------------|---------|---------|-----------|----------------|
| 2469056       | 2,4-D            | 111     | 95.4    | P/P       | 40 - 150       |
| 2469056       | 2,4,5-T          | 122     | 103     | P/P       | 40 - 150       |
| 2469056       | Acetaminophen    | 104     | 97.5    | P/P       | 30 - 150       |
| 2469056       | Acetamiprid      | 82.0    | 80.1    | P/P       | 40 - 150       |
| 2469056       | Afidopyrophen    | 57.8    | 75.2    | P/P       | 30 - 150       |
| 2469056       | Bentazon         | 94.8    | 90.7    | P/P       | 30 - 150       |
| 2469056       | Benzovindiflupyr | 85.2    | 78.3    | P/P       | 40 - 150       |
| 2469056       | Carbamazepine    | 79.9    | 72.7    | P/P       | 40 - 150       |
| 2469056       | Clothianidin     | 97.1    | 85.9    | P/P       | 40 - 150       |
| 2469056       | Dinotefuran      | 107     | 98.7    | P/P       | 40 - 150       |
| 2469056       | Diuron           | 78.7    | 73.1    | P/P       | 40 - 150       |
| 2469056       | Fenuron          | 95.6    | 91.4    | P/P       | 40 - 150       |
| 2469056       | Fluridone        | 85.6    | 81.9    | P/P       | 40 - 150       |
| 2469056       | Hydrocodone      | 85.0    | 78.5    | P/P       | 40 - 150       |
| 2469056       | Ibuprofen        | 53.1    | 59.6    | P/P       | 40 - 150       |
| 2469056       | Imazapyr         | 98.1    | 96.8    | P/P       | 40 - 150       |
| 2469056       | Imidacloprid     | 109     | 98.9    | P/P       | 40 - 150       |
| 2469056       | Linuron          | 83.4    | 73.3    | P/P       | 40 - 150       |
| 2469056       | Mandestrobin     | 91.2    | 84.6    | P/P       | 40 - 150       |
| 2469056       | MCPP             | 103     | 95.6    | P/P       | 40 - 150       |
| 2469056       | Naproxen         | 94.7    | 78.8    | P/P       | 40 - 150       |
| 2469056       | Primidone        | 89.8    | 78.0    | P/P       | 40 - 150       |
| 2469056       | Pyraclostrobin   | 79.8    | 72.8    | P/P       | 40 - 150       |
| 2469056       | Silvex           | 94.8    | 90.4    | P/P       | 40 - 150       |
| 2469056       | Thiamethoxam     | 88.5    | 81.5    | P/P       | 40 - 150       |
| 2469056       | Tolfenpyrad      | 59.2    | 48.5    | P/P       | 30 - 150       |
| 2469056       | Triclopyr        | 109     | 112     | P/P       | 40 - 150       |

Reference Method: EPA 8321B  
Batch ID: P441467

| Spiked Sample | Component           | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|---------------------|---------|---------|-----------|----------------|
| 2468562       | 3-Hydroxycarbofuran | 78.8    | 72.9    | P/P       | 40 - 150       |
| 2468562       | Aldicarb            | 69.5    | 65.0    | P/P       | 30 - 150       |
| 2468562       | Aldicarb Sulfone    | 62.4    | 59.2    | P/P       | 40 - 150       |

Quality Assurance Report  
Matrix Spike Accuracy

Reference Method: EPA 8321B  
Batch ID: P441467

| Spiked Sample | Component          | % Rec.1 | % Rec.2 | Pass/Fail | Control Limits |
|---------------|--------------------|---------|---------|-----------|----------------|
| 2468562       | Aldicarb Sulfoxide | 35.2    | 32.0    | F/F       | 40 - 150       |
| 2468562       | Carbaryl           | 62.1    | 65.6    | P/P       | 40 - 150       |
| 2468562       | Carbofuran         | 65.7    | 65.2    | P/P       | 40 - 150       |
| 2468562       | Methiocarb         | 64.9    | 64.3    | P/P       | 40 - 150       |
| 2468562       | Methomyl           | 73.5    | 71.9    | P/P       | 40 - 150       |
| 2468562       | Oxamyl             | 44.8    | 44.2    | P/P       | 40 - 150       |
| 2468562       | Propoxur           | 60.3    | 59.5    | P/P       | 40 - 150       |

## Quality Assurance Report Precision

Reference Method: EPA 200.7 Rev. 4.4  
Batch ID: P441548

| Replicated<br>Lab Sample | Component | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|-----------|-----------|-------------------|-----------|----------------|
| 2468709                  | Calcium   | 0.756     | Spike             | P         | 0 - 20         |
| 2468709                  | Iron      | 3.18      | Spike             | P         | 0 - 20         |
| 2468709                  | Magnesium | 2.98      | Spike             | P         | 0 - 20         |
| 2468709                  | Potassium | 1.67      | Spike             | P         | 0 - 20         |
| 2468709                  | Sodium    | 1.35      | Spike             | P         | 0 - 20         |
| 2468709                  | Strontium | 0.232     | Spike             | P         | 0 - 20         |
| 2468709                  | Tin       | 0.806     | Spike             | P         | 0 - 20         |
| 2468709                  | Titanium  | 1.57      | Spike             | P         | 0 - 20         |
| 2468709                  | Vanadium  | 0.545     | Spike             | P         | 0 - 20         |
| 2468709                  | Zinc      | 1.01      | Spike             | P         | 0 - 20         |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441548

| Replicated<br>Lab Sample | Component  | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|------------|-----------|-------------------|-----------|----------------|
| 2468709                  | Aluminum   | 6.41      | Spike             | P         | 0 - 20         |
| 2468709                  | Antimony   | 0.438     | Spike             | P         | 0 - 20         |
| 2468709                  | Arsenic    | 0.657     | Spike             | P         | 0 - 20         |
| 2468709                  | Barium     | 0.419     | Spike             | P         | 0 - 20         |
| 2468709                  | Beryllium  | 3.30      | Spike             | P         | 0 - 20         |
| 2468709                  | Boron      | 0.137     | Spike             | P         | 0 - 20         |
| 2468709                  | Cadmium    | 2.36      | Spike             | P         | 0 - 20         |
| 2468709                  | Cobalt     | 1.29      | Spike             | P         | 0 - 20         |
| 2468709                  | Copper     | 1.11      | Spike             | P         | 0 - 20         |
| 2468709                  | Lead       | 0.278     | Spike             | P         | 0 - 20         |
| 2468709                  | Manganese  | 1.92      | Spike             | P         | 0 - 20         |
| 2468709                  | Molybdenum | 4.39      | Spike             | P         | 0 - 20         |
| 2468709                  | Selenium   | 0.269     | Spike             | P         | 0 - 20         |
| 2468709                  | Silver     | 0.439     | Spike             | P         | 0 - 20         |
| 2468709                  | Thallium   | 0.899     | Spike             | P         | 0 - 20         |

Reference Method: EPA 200.8 Rev. 5.4  
Batch ID: P441856

| Replicated<br>Lab Sample | Component | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|-----------|-----------|-------------------|-----------|----------------|
| 2468453                  | Chromium  | 1.89      | Spike             | P         | 0 - 20         |
| 2468453                  | Nickel    | 2.34      | Spike             | P         | 0 - 20         |

Reference Method: EPA 8270E  
Batch ID: P441328

| Replicated<br>Lab Sample | Component | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|-----------|-----------|-------------------|-----------|----------------|
| 2468371                  | PCB-1016  | 0.951     | Spike             | P         | 0 - 25         |
| 2468371                  | PCB-1260  | 8.38      | Spike             | P         | 0 - 30         |

## Quality Assurance Report Precision

Reference Method: EPA 8270E  
Batch ID: P441876

| Replicated<br>Lab Sample | Component                                                | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|----------------------------------------------------------|-----------|-------------------|-----------|----------------|
| 2469595                  | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 55.0      | Spike             | F         | 0 - 30         |
| 2469595                  | 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)          | 10.3      | Spike             | P         | 0 - 35         |
| 2469595                  | Acetochlor                                               | 1.93      | Spike             | P         | 0 - 28         |
| 2469595                  | Alachlor                                                 | 14.0      | Spike             | P         | 0 - 30         |
| 2469595                  | Ametryn                                                  | 5.07      | Spike             | P         | 0 - 32         |
| 2469595                  | Atrazine                                                 | 5.36      | Spike             | P         | 0 - 33         |
| 2469595                  | Atrazine Desethyl                                        | 1.01      | Spike             | P         | 0 - 36         |
| 2469595                  | Avobenzene                                               | 2.33      | Spike             | P         | 0 - 35         |
| 2469595                  | Azinphos Methyl                                          | 1.99      | Spike             | P         | 0 - 62         |
| 2469595                  | Azoxystrobin                                             | 5.25      | Spike             | P         | 0 - 39         |
| 2469595                  | Bromacil                                                 | 6.89      | Spike             | P         | 0 - 33         |
| 2469595                  | Butylate                                                 | 0.814     | Spike             | P         | 0 - 51         |
| 2469595                  | Caffeine                                                 | 5.27      | Spike             | P         | 0 - 100        |
| 2469595                  | Carbophenothion                                          | 12.7      | Spike             | P         | 0 - 34         |
| 2469595                  | Carfentrazone Ethyl                                      | 1.55      | Spike             | P         | 0 - 33         |
| 2469595                  | Chlorfenapyr                                             | 12.8      | Spike             | P         | 0 - 28         |
| 2469595                  | Chlorpyrifos Ethyl                                       | 5.29      | Spike             | P         | 0 - 31         |
| 2469595                  | Chlorpyrifos Methyl                                      | 13.1      | Spike             | P         | 0 - 27         |
| 2469595                  | Coumaphos                                                | 21.4      | Spike             | P         | 0 - 62         |
| 2469595                  | Cyanazine                                                | 9.85      | Spike             | P         | 0 - 48         |
| 2469595                  | Cyprodinil                                               | 16.8      | Spike             | P         | 0 - 29         |
| 2469595                  | Dechlorane 602                                           | 23.5      | Spike             | P         | 0 - 60         |
| 2469595                  | Dechlorane 603                                           | 10.3      | Spike             | P         | 0 - 40         |
| 2469595                  | Dechlorane Plus                                          | 5.69      | Spike             | P         | 0 - 38         |
| 2469595                  | Demeton                                                  | 11.1      | Spike             | P         | 0 - 33         |
| 2469595                  | Diazinon                                                 | 11.2      | Spike             | P         | 0 - 32         |
| 2469595                  | Difenoconazole                                           | 7.42      | Spike             | P         | 0 - 71         |
| 2469595                  | Dimethenamid                                             | 2.89      | Spike             | P         | 0 - 60         |
| 2469595                  | Dimethomorph                                             | 10.6      | Spike             | P         | 0 - 61         |
| 2469595                  | Disulfoton                                               | 8.32      | Spike             | P         | 0 - 30         |
| 2469595                  | Dithiopyr                                                | 5.12      | Spike             | P         | 0 - 28         |
| 2469595                  | EPTC                                                     | 0.416     | Spike             | P         | 0 - 56         |
| 2469595                  | Ethion                                                   | 19.1      | Spike             | P         | 0 - 79         |
| 2469595                  | Ethoprop                                                 | 3.14      | Spike             | P         | 0 - 31         |
| 2469595                  | Etridiazole                                              | 14.4      | Spike             | P         | 0 - 43         |
| 2469595                  | Fenamiphos                                               | 19.9      | Spike             | P         | 0 - 43         |
| 2469595                  | Fenbuconazole                                            | 24.3      | Spike             | P         | 0 - 79         |
| 2469595                  | Fipronil                                                 | 7.66      | Spike             | P         | 0 - 46         |
| 2469595                  | Fipronil Desulfinyl                                      | 14.0      | Spike             | P         | 0 - 36         |
| 2469595                  | Fipronil Sulfide                                         | 5.64      | Spike             | P         | 0 - 34         |
| 2469595                  | Fipronil Sulfone                                         | 12.0      | Spike             | P         | 0 - 47         |
| 2469595                  | Fluazifop-P-butyl                                        | 14.8      | Spike             | P         | 0 - 38         |
| 2469595                  | Fludioxonil                                              | 10.8      | Spike             | P         | 0 - 29         |
| 2469595                  | Flumioxazin                                              | 8.01      | Spike             | P         | 0 - 63         |
| 2469595                  | Flutolanil                                               | 21.1      | Spike             | P         | 0 - 36         |
| 2469595                  | Fluxapyroxad                                             | 16.6      | Spike             | P         | 0 - 65         |
| 2469595                  | Fonofos                                                  | 5.88      | Spike             | P         | 0 - 35         |
| 2469595                  | Hexabromobenzene                                         | 7.46      | Spike             | P         | 0 - 41         |
| 2469595                  | Hexazinone                                               | 2.19      | Spike             | P         | 0 - 31         |
| 2469595                  | Imazalil                                                 | 24.9      | Spike             | P         | 0 - 52         |
| 2469595                  | Iprodione                                                | 123       | Spike             | F         | 0 - 49         |

## Quality Assurance Report Precision

Reference Method: EPA 8270E  
Batch ID: P441876

| Replicated<br>Lab Sample | Component                                     | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|-----------------------------------------------|-----------|-------------------|-----------|----------------|
| 2469595                  | Loratadine                                    | 17.9      | Spike             | P         | 0 - 59         |
| 2469595                  | Malathion                                     | 97.5      | Spike             | F         | 0 - 77         |
| 2469595                  | Metalaxyl                                     | 3.82      | Spike             | P         | 0 - 76         |
| 2469595                  | Metolachlor                                   | 23.8      | Spike             | P         | 0 - 29         |
| 2469595                  | Metribuzin                                    | 2.58      | Spike             | P         | 0 - 51         |
| 2469595                  | Mevinphos                                     | 24.0      | Spike             | P         | 0 - 31         |
| 2469595                  | Molinate                                      | 2.12      | Spike             | P         | 0 - 39         |
| 2469595                  | Myclobutanil                                  | 2.62      | Spike             | P         | 0 - 34         |
| 2469595                  | Naled                                         | 33.2      | Spike             | P         | 0 - 37         |
| 2469595                  | Napropamide                                   | 22.4      | Spike             | P         | 0 - 100        |
| 2469595                  | Norflurazon                                   | 20.8      | Spike             | P         | 0 - 54         |
| 2469595                  | Octinoxate                                    | 0.429     | Spike             | P         | 0 - 35         |
| 2469595                  | Oxadiazon                                     | 13.1      | Spike             | P         | 0 - 34         |
| 2469595                  | Oxybenzone                                    | 0.872     | Spike             | P         | 0 - 35         |
| 2469595                  | Oxyfluorfen                                   | 5.92      | Spike             | P         | 0 - 28         |
| 2469595                  | Parathion Ethyl                               | 5.44      | Spike             | P         | 0 - 31         |
| 2469595                  | Parathion Methyl                              | 1.70      | Spike             | P         | 0 - 29         |
| 2469595                  | PBB-153                                       | 6.22      | Spike             | P         | 0 - 49         |
| 2469595                  | PBDE-47                                       | 6.46      | Spike             | P         | 0 - 36         |
| 2469595                  | PBDE-99                                       | 9.30      | Spike             | P         | 0 - 46         |
| 2469595                  | Pendimethalin                                 | 23.2      | Spike             | P         | 0 - 31         |
| 2469595                  | Pentabromotoluene                             | 3.80      | Spike             | P         | 0 - 16         |
| 2469595                  | Phenytoin                                     | 16.8      | Spike             | P         | 0 - 100        |
| 2469595                  | Phorate                                       | 4.10      | Spike             | P         | 0 - 36         |
| 2469595                  | Prodiamine                                    | 5.58      | Spike             | P         | 0 - 68         |
| 2469595                  | Prometon                                      | 3.82      | Spike             | P         | 0 - 35         |
| 2469595                  | Prometryn                                     | 21.7      | Spike             | P         | 0 - 33         |
| 2469595                  | Pronamide                                     | 3.21      | Spike             | P         | 0 - 24         |
| 2469595                  | Propanil                                      | 13.5      | Spike             | P         | 0 - 28         |
| 2469595                  | Propargite                                    | 0.760     | Spike             | P         | 0 - 53         |
| 2469595                  | Propiconazole                                 | 16.1      | Spike             | P         | 0 - 44         |
| 2469595                  | Pyraflufen Ethyl                              | 6.49      | Spike             | P         | 0 - 61         |
| 2469595                  | Pyridaben                                     | 22.1      | Spike             | P         | 0 - 43         |
| 2469595                  | Pyriproxyfen                                  | 14.4      | Spike             | P         | 0 - 82         |
| 2469595                  | Simazine                                      | 5.56      | Spike             | P         | 0 - 29         |
| 2469595                  | Stirophos                                     | 19.7      | Spike             | P         | 0 - 100        |
| 2469595                  | Sulfentrazone                                 | 3.53      | Spike             | P         | 0 - 64         |
| 2469595                  | Tebuconazole                                  | 19.8      | Spike             | P         | 0 - 76         |
| 2469595                  | Terbufos                                      | 3.80      | Spike             | P         | 0 - 29         |
| 2469595                  | Terbuthylazine                                | 7.19      | Spike             | P         | 0 - 28         |
| 2469595                  | Tetradecachloro-m-terphenyl                   | 9.77      | Spike             | P         | 0 - 42         |
| 2469595                  | Thiobencarb                                   | 89.7      | Spike             | F         | 0 - 26         |
| 2469595                  | Tri-o-cresyl Phosphate                        | 0.898     | Spike             | P         | 0 - 24         |
| 2469595                  | Triadimefon                                   | 16.2      | Spike             | P         | 0 - 40         |
| 2469595                  | Tris(1-chloro-2-propyl) phosphate (TCPP)      | 4.64      | Spike             | P         | 0 - 30         |
| 2469595                  | Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | 2.19      | Spike             | P         | 0 - 22         |
| 2469595                  | Tris(2-chloroethyl) phosphate (TCEP)          | 2.62      | Spike             | P         | 0 - 15         |

## Quality Assurance Report Precision

Reference Method: EPA 8270E  
Batch ID: P441914

| Replicated<br>Lab Sample | Component           | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|---------------------|-----------|-------------------|-----------|----------------|
| 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                  | 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                  | 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                  | Hexazinone          | 1.59      | Spike             | P         | 0 - 31         |
| 2470412                  | Imazalil            | 4.99      | Spike             | P         | 0 - 52         |
| 2470412                  | Iprodione           | 20.8      | Spike             | P         | 0 - 49         |
| 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         |

## Quality Assurance Report Precision

Reference Method: EPA 8270E  
Batch ID: P441914

| Replicated<br>Lab Sample | Component        | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|------------------|-----------|-------------------|-----------|----------------|
| 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                  | Oxadiazon        | 1.81      | Spike             | P         | 0 - 34         |
| 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                  | Pendimethalin    | 5.86      | Spike             | P         | 0 - 31         |
| 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                  | Terbuthylazine   | 2.02      | Spike             | P         | 0 - 28         |
| 2470412                  | Thiobencarb      | 3.18      | Spike             | P         | 0 - 26         |
| 2470412                  | Triadimefon      | 14.7      | Spike             | P         | 0 - 40         |

Reference Method: EPA 8276  
Batch ID: P441328

| Replicated<br>Lab Sample | Component | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|-----------|-----------|-------------------|-----------|----------------|
| 2468371                  | Chlordane | 14.1      | Spike             | P         | 0 - 28         |
| 2468371                  | Toxaphene | 10.0      | Spike             | P         | 0 - 27         |

Reference Method: EPA 8321B  
Batch ID: P441276

| Replicated<br>Lab Sample | Component    | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|--------------|-----------|-------------------|-----------|----------------|
| 2467984                  | Acesulfame K | 0.728     | Spike             | P         | 0 - 30         |
| 2467984                  | AMPA         | 3.13      | Spike             | P         | 0 - 30         |
| 2467984                  | Endothall    | 1.67      | Spike             | P         | 0 - 30         |
| 2467984                  | Glufosinate  | 5.67      | Spike             | P         | 0 - 30         |
| 2467984                  | Glyphosate   | 6.12      | Spike             | P         | 0 - 30         |
| 2467984                  | Sucralose    | 3.16      | Spike             | P         | 0 - 30         |

## Quality Assurance Report Precision

Reference Method: EPA 8321B  
Batch ID: P441446

| Replicated<br>Lab Sample | Component        | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|------------------|-----------|-------------------|-----------|----------------|
| 2469056                  | 2,4-D            | 14.9      | Spike             | P         | 0 - 30         |
| 2469056                  | 2,4,5-T          | 17.4      | Spike             | P         | 0 - 30         |
| 2469056                  | Acetaminophen    | 6.78      | Spike             | P         | 0 - 30         |
| 2469056                  | Acetamiprid      | 2.31      | Spike             | P         | 0 - 30         |
| 2469056                  | Afidopyropen     | 26.1      | Spike             | P         | 0 - 30         |
| 2469056                  | Bentazon         | 4.39      | Spike             | P         | 0 - 30         |
| 2469056                  | Benzovindiflupyr | 8.40      | Spike             | P         | 0 - 30         |
| 2469056                  | Carbamazepine    | 9.44      | Spike             | P         | 0 - 30         |
| 2469056                  | Clothianidin     | 12.2      | Spike             | P         | 0 - 30         |
| 2469056                  | Dinotefuran      | 7.96      | Spike             | P         | 0 - 30         |
| 2469056                  | Diuron           | 6.66      | Spike             | P         | 0 - 30         |
| 2469056                  | Fenuron          | 4.49      | Spike             | P         | 0 - 30         |
| 2469056                  | Fluridone        | 4.50      | Spike             | P         | 0 - 30         |
| 2469056                  | Hydrocodone      | 7.95      | Spike             | P         | 0 - 30         |
| 2469056                  | Ibuprofen        | 11.6      | Spike             | P         | 0 - 30         |
| 2469056                  | Imazapyr         | 1.36      | Spike             | P         | 0 - 30         |
| 2469056                  | Imidacloprid     | 10.2      | Spike             | P         | 0 - 30         |
| 2469056                  | Linuron          | 12.9      | Spike             | P         | 0 - 30         |
| 2469056                  | Mandestrobin     | 7.54      | Spike             | P         | 0 - 30         |
| 2469056                  | MCPP             | 7.06      | Spike             | P         | 0 - 30         |
| 2469056                  | Naproxen         | 18.4      | Spike             | P         | 0 - 30         |
| 2469056                  | Primidone        | 14.0      | Spike             | P         | 0 - 30         |
| 2469056                  | Pyraclostrobin   | 9.09      | Spike             | P         | 0 - 30         |
| 2469056                  | Silvex           | 4.78      | Spike             | P         | 0 - 30         |
| 2469056                  | Thiamethoxam     | 8.20      | Spike             | P         | 0 - 30         |
| 2469056                  | Tolfenpyrad      | 19.8      | Spike             | P         | 0 - 30         |
| 2469056                  | Triclopyr        | 2.69      | Spike             | P         | 0 - 30         |

Reference Method: EPA 8321B  
Batch ID: P441467

| Replicated<br>Lab Sample | Component           | % RSD/RPD | Sample/Spike/LCS* | Pass/Fail | Control Limits |
|--------------------------|---------------------|-----------|-------------------|-----------|----------------|
| 2468562                  | 3-Hydroxycarbofuran | 7.76      | Spike             | P         | 0 - 30         |
| 2468562                  | Aldicarb            | 6.67      | Spike             | P         | 0 - 30         |
| 2468562                  | Aldicarb Sulfone    | 5.33      | Spike             | P         | 0 - 30         |
| 2468562                  | Aldicarb Sulfoxide  | 9.65      | Spike             | P         | 0 - 30         |
| 2468562                  | Carbaryl            | 5.48      | Spike             | P         | 0 - 30         |
| 2468562                  | Carbofuran          | 0.740     | Spike             | P         | 0 - 30         |
| 2468562                  | Methiocarb          | 1.02      | Spike             | P         | 0 - 30         |
| 2468562                  | Methomyl            | 2.22      | Spike             | P         | 0 - 30         |
| 2468562                  | Oxamyl              | 1.38      | Spike             | P         | 0 - 30         |
| 2468562                  | Propoxur            | 1.29      | Spike             | P         | 0 - 30         |

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

## Quality Assurance Report Surrogates

Lab Sample ID: 2469055  
Field Sample ID: G1NE0906

| Reference Method | Surrogate   | % Rec. | Pass/Fail | Control Limits |
|------------------|-------------|--------|-----------|----------------|
| EPA 8321B        | Carbaryl-d7 | 73.0   | P         | 30 - 160       |

Lab Sample ID: 2469056  
Field Sample ID: G1NE0906

| Reference Method | Surrogate          | % Rec. | Pass/Fail | Control Limits |
|------------------|--------------------|--------|-----------|----------------|
| EPA 8321B        | 2,4-D-d3           | 112    | P         | 30 - 160       |
| EPA 8321B        | Acetaminophen-d4   | 93.1   | P         | 30 - 160       |
| EPA 8321B        | Carbamazepine-d10  | 86.8   | P         | 30 - 160       |
| EPA 8321B        | Diuron-d6          | 84.6   | P         | 30 - 160       |
| EPA 8321B        | Endothall-d6       | 103    | P         | 30 - 160       |
| EPA 8321B        | Glyphosate 13C 15N | 94.8   | P         | 30 - 160       |
| EPA 8321B        | Ibuprofen-d3       | 113    | P         | 30 - 160       |
| EPA 8321B        | Primidone-d5       | 90.1   | P         | 30 - 160       |
| EPA 8321B        | Sucralose-d6       | 97.9   | P         | 30 - 160       |

Lab Sample ID: 2469057  
Field Sample ID: 21030126

| Reference Method | Surrogate          | % Rec. | Pass/Fail | Control Limits |
|------------------|--------------------|--------|-----------|----------------|
| EPA 8321B        | 2,4-D-d3           | 125    | P         | 30 - 160       |
| EPA 8321B        | Acetaminophen-d4   | 106    | P         | 30 - 160       |
| EPA 8321B        | Carbamazepine-d10  | 103    | P         | 30 - 160       |
| EPA 8321B        | Diuron-d6          | 88.4   | P         | 30 - 160       |
| EPA 8321B        | Endothall-d6       | 100    | P         | 30 - 160       |
| EPA 8321B        | Glyphosate 13C 15N | 102    | P         | 30 - 160       |
| EPA 8321B        | Ibuprofen-d3       | 92.0   | P         | 30 - 160       |
| EPA 8321B        | Primidone-d5       | 95.9   | P         | 30 - 160       |
| EPA 8321B        | Sucralose-d6       | 100    | P         | 30 - 160       |

Lab Sample ID: 2469058  
Field Sample ID: FB\_02132024

| Reference Method | Surrogate   | % Rec. | Pass/Fail | Control Limits |
|------------------|-------------|--------|-----------|----------------|
| EPA 8321B        | Carbaryl-d7 | 82.2   | P         | 30 - 160       |

Lab Sample ID: 2469059  
Field Sample ID: FB\_02132024

| Reference Method | Surrogate          | % Rec. | Pass/Fail | Control Limits |
|------------------|--------------------|--------|-----------|----------------|
| EPA 8321B        | 2,4-D-d3           | 110    | P         | 30 - 160       |
| EPA 8321B        | Acetaminophen-d4   | 85.5   | P         | 30 - 160       |
| EPA 8321B        | Carbamazepine-d10  | 106    | P         | 30 - 160       |
| EPA 8321B        | Diuron-d6          | 102    | P         | 30 - 160       |
| EPA 8321B        | Endothall-d6       | 102    | P         | 30 - 160       |
| EPA 8321B        | Glyphosate 13C 15N | 99.5   | P         | 30 - 160       |
| EPA 8321B        | Ibuprofen-d3       | 91.0   | P         | 30 - 160       |
| EPA 8321B        | Primidone-d5       | 85.0   | P         | 30 - 160       |
| EPA 8321B        | Sucralose-d6       | 101    | P         | 30 - 160       |

Quality Assurance Report

Surrogates

Lab Sample ID: 2469060

Field Sample ID: 21020009

| Reference Method | Surrogate            | % Rec. | Pass/Fail | Control Limits |
|------------------|----------------------|--------|-----------|----------------|
| EPA 8270E        | Decachlorobiphenyl   | 117    | P         | 37 - 129       |
| EPA 8270E        | Decachlorobiphenyl   | 93.2   | P         | 26 - 115       |
| EPA 8270E        | Tetrachloro-m-xylene | 67.0   | P         | 30 - 101       |
| EPA 8270E        | Tetrachloro-m-xylene | 36.5   | P         | 29 - 95.0      |
| EPA 8276         | Decachlorobiphenyl   | 47.8   | P         | 23 - 110       |
| EPA 8276         | PCNB                 | 77.4   | P         | 51 - 130       |

Lab Sample ID: 2469061

Field Sample ID: G1NE0906

| Reference Method | Surrogate            | % Rec. | Pass/Fail | Control Limits |
|------------------|----------------------|--------|-----------|----------------|
| EPA 8270E        | Decachlorobiphenyl   | 111    | P         | 37 - 129       |
| EPA 8270E        | Decachlorobiphenyl   | 92.9   | P         | 26 - 115       |
| EPA 8270E        | Tetrachloro-m-xylene | 69.3   | P         | 30 - 101       |
| EPA 8270E        | Tetrachloro-m-xylene | 62.8   | P         | 29 - 95.0      |
| EPA 8276         | Decachlorobiphenyl   | 67.8   | P         | 23 - 110       |
| EPA 8276         | PCNB                 | 84.2   | P         | 51 - 130       |

Lab Sample ID: 2469062

Field Sample ID: G1NE0906

| Reference Method | Surrogate     | % Rec. | Pass/Fail | Control Limits |
|------------------|---------------|--------|-----------|----------------|
| EPA 8270E        | Caffeine-d9   | 81.3   | P         | 20 - 200       |
| EPA 8270E        | Simazine-d10  | 85.4   | P         | 58 - 137       |
| EPA 8270E        | Terbufos-d10  | 82.7   | P         | 50 - 134       |
| EPA 8270E        | Terphenyl-d14 | 101    | P         | 44 - 134       |

Lab Sample ID: 2469063

Field Sample ID: FB\_02132024

| Reference Method | Surrogate            | % Rec. | Pass/Fail | Control Limits |
|------------------|----------------------|--------|-----------|----------------|
| EPA 8270E        | Decachlorobiphenyl   | 108    | P         | 37 - 129       |
| EPA 8270E        | Decachlorobiphenyl   | 80.0   | P         | 26 - 115       |
| EPA 8270E        | Tetrachloro-m-xylene | 92.2   | P         | 30 - 101       |
| EPA 8270E        | Tetrachloro-m-xylene | 43.2   | P         | 29 - 95.0      |
| EPA 8276         | Decachlorobiphenyl   | 71.4   | P         | 23 - 110       |
| EPA 8276         | PCNB                 | 83.0   | P         | 51 - 130       |

Lab Sample ID: 2469064

Field Sample ID: FB\_02132024

| Reference Method | Surrogate     | % Rec. | Pass/Fail | Control Limits |
|------------------|---------------|--------|-----------|----------------|
| EPA 8270E        | Caffeine-d9   | 73.1   | P         | 20 - 200       |
| EPA 8270E        | Simazine-d10  | 89.7   | P         | 58 - 137       |
| EPA 8270E        | Terbufos-d10  | 93.7   | P         | 50 - 134       |
| EPA 8270E        | Terphenyl-d14 | 97.2   | P         | 44 - 134       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A124181

Included Lab Sample IDs: 2469056, 2469057, 2469059

| Component    | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|--------------|---------|---------|------------|----------------|
| Acesulfame K | 104     | 70.6    | P/P        | 60 - 160       |
| Sucralose    | 98.6    | 93.5    | P/P        | 60 - 160       |

Reference Method: EPA 8321B

Run ID: A124184

Included Lab Sample IDs: 2469056, 2469057, 2469059

| Component   | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-------------|---------|---------|------------|----------------|
| AMPA        | 94.2    | 99.1    | P/P        | 60 - 160       |
| Endothall   | 98.8    | 95.7    | P/P        | 60 - 160       |
| Glufosinate | 71.9    | 81.4    | P/P        | 60 - 160       |
| Glyphosate  | 80.5    | 91.9    | P/P        | 60 - 160       |

Reference Method: EPA 8321B

Run ID: A124241

Included Lab Sample IDs: 2469056, 2469057, 2469059

| Component           | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|---------------------|---------|---------|------------|----------------|
| 2,4-D               | 102     | 98.2    | P/P        | 50 - 150       |
| 2,4-D               | 98.2    | 107     | P/P        | 50 - 150       |
| 2,4,5-T             | 102     | 109     | P/P        | 50 - 150       |
| 2,4,5-T             | 109     | 105     | P/P        | 50 - 150       |
| 3-Hydroxycarbofuran | 103     | 99.1    | P/P        | 60 - 150       |
| Acetaminophen       | 106     | 104     | P/P        | 60 - 160       |
| Acetaminophen       | 109     | 106     | P/P        | 60 - 160       |
| Acetamiprid         | 107     | 108     | P/P        | 50 - 150       |
| Acetamiprid         | 108     | 112     | P/P        | 50 - 150       |
| Afidopyropen        | 102     | 116     | P/P        | 50 - 150       |
| Afidopyropen        | 93.5    | 102     | P/P        | 50 - 150       |
| Aldicarb            | 116     | 106     | P/P        | 60 - 150       |
| Aldicarb Sulfone    | 101     | 98.1    | P/P        | 50 - 150       |
| Aldicarb Sulfoxide  | 112     | 112     | P/P        | 50 - 150       |
| Bentazon            | 78.9    | 88.0    | P/P        | 50 - 160       |
| Bentazon            | 86.2    | 78.9    | P/P        | 50 - 160       |
| Benzovindiflupyr    | 102     | 97.3    | P/P        | 50 - 150       |
| Benzovindiflupyr    | 97.3    | 100     | P/P        | 50 - 150       |
| Carbamazepine       | 110     | 109     | P/P        | 60 - 150       |
| Carbamazepine       | 112     | 110     | P/P        | 60 - 150       |
| Carbaryl            | 115     | 97.6    | P/P        | 60 - 150       |
| Carbofuran          | 119     | 106     | P/P        | 50 - 150       |
| Clothianidin        | 93.8    | 94.6    | P/P        | 60 - 150       |
| Clothianidin        | 99.6    | 93.8    | P/P        | 60 - 150       |
| Dinotefuran         | 104     | 99.3    | P/P        | 50 - 150       |
| Dinotefuran         | 104     | 104     | P/P        | 50 - 150       |
| Diuron              | 109     | 99.9    | P/P        | 60 - 160       |
| Diuron              | 99.9    | 97.1    | P/P        | 60 - 160       |
| Fenuron             | 107     | 105     | P/P        | 60 - 150       |
| Fenuron             | 108     | 107     | P/P        | 60 - 150       |
| Fluridone           | 104     | 113     | P/P        | 60 - 160       |
| Fluridone           | 112     | 104     | P/P        | 60 - 160       |
| Hydrocodone         | 104     | 107     | P/P        | 60 - 150       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A124241

Included Lab Sample IDs: 2469056, 2469057, 2469059

| Component      | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|----------------|---------|---------|------------|----------------|
| Hydrocodone    | 107     | 107     | P/P        | 60 - 150       |
| Ibuprofen      | 72.2    | 158     | P/P        | 50 - 160       |
| Ibuprofen      | 93.4    | 72.2    | P/P        | 50 - 160       |
| Imazapyr       | 103     | 102     | P/P        | 50 - 150       |
| Imazapyr       | 99.0    | 103     | P/P        | 50 - 150       |
| Imidacloprid   | 88.2    | 89.6    | P/P        | 60 - 150       |
| Imidacloprid   | 95.7    | 88.2    | P/P        | 60 - 150       |
| Linuron        | 102     | 111     | P/P        | 60 - 150       |
| Linuron        | 95.2    | 102     | P/P        | 60 - 150       |
| Mandestrobin   | 108     | 106     | P/P        | 50 - 150       |
| Mandestrobin   | 110     | 108     | P/P        | 50 - 150       |
| MCPP           | 104     | 108     | P/P        | 50 - 150       |
| MCPP           | 108     | 106     | P/P        | 50 - 150       |
| Methiocarb     | 97.4    | 108     | P/P        | 50 - 150       |
| Methomyl       | 105     | 100     | P/P        | 50 - 150       |
| Naproxen       | 100     | 94.6    | P/P        | 50 - 160       |
| Naproxen       | 66.8    | 100     | P/P        | 50 - 160       |
| Oxamyl         | 116     | 107     | P/P        | 50 - 150       |
| Primidone      | 92.6    | 102     | P/P        | 60 - 150       |
| Primidone      | 99.7    | 92.6    | P/P        | 60 - 150       |
| Propoxur       | 112     | 108     | P/P        | 50 - 150       |
| Pyraclostrobin | 101     | 99.1    | P/P        | 60 - 150       |
| Pyraclostrobin | 103     | 101     | P/P        | 60 - 150       |
| Silvex         | 97.5    | 101     | P/P        | 50 - 150       |
| Silvex         | 98.2    | 97.5    | P/P        | 50 - 150       |
| Thiamethoxam   | 104     | 96.9    | P/P        | 50 - 150       |
| Thiamethoxam   | 96.9    | 94.2    | P/P        | 50 - 150       |
| Tolfenpyrad    | 93.5    | 97.6    | P/P        | 60 - 150       |
| Tolfenpyrad    | 97.6    | 97.2    | P/P        | 60 - 150       |
| Triclopyr      | 98.5    | 98.8    | P/P        | 50 - 150       |
| Triclopyr      | 98.8    | 87.8    | P/P        | 50 - 150       |

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A124284

Included Lab Sample IDs: 2469065, 2469066, 2469067, 2469068

| Component  | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|------------|---------|---------|------------|----------------|
| Aluminum   | 98.3    | 99.3    | P/P        | 90 - 110       |
| Antimony   | 97.6    | 99.9    | P/P        | 90 - 110       |
| Arsenic    | 99.9    | 102     | P/P        | 90 - 110       |
| Barium     | 98.3    | 99.7    | P/P        | 90 - 110       |
| Beryllium  | 98.7    | 101     | P/P        | 90 - 110       |
| Boron      | 103     | 101     | P/P        | 90 - 110       |
| Cadmium    | 97.4    | 99.8    | P/P        | 90 - 110       |
| Cobalt     | 101     | 103     | P/P        | 90 - 110       |
| Copper     | 102     | 104     | P/P        | 90 - 110       |
| Lead       | 95.8    | 97.3    | P/P        | 90 - 110       |
| Manganese  | 95.7    | 97.6    | P/P        | 90 - 110       |
| Molybdenum | 100     | 103     | P/P        | 90 - 110       |
| Selenium   | 96.7    | 98.9    | P/P        | 90 - 110       |
| Silver     | 99.4    | 101     | P/P        | 90 - 110       |

Quality Assurance Report

Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4  
Run ID: A124284  
Included Lab Sample IDs: 2469065, 2469066, 2469067, 2469068

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Thallium  | 101     | 103     | P/P        | 90 - 110       |

Reference Method: EPA 8276  
Run ID: A124287  
Included Lab Sample IDs: 2469060, 2469061, 2469063

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Chlordane | 97.5    |         | P          | 80 - 120       |
| Toxaphene | 88.5    |         | P          | 80 - 120       |

Reference Method: EPA 200.7 Rev. 4.4  
Run ID: A124304  
Included Lab Sample IDs: 2469065, 2469066, 2469067, 2469068

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Calcium   | 97.1    | 95.3    | P/P        | 90 - 110       |
| Iron      | 99.9    | 98.4    | P/P        | 90 - 110       |
| Magnesium | 97.6    | 96.6    | P/P        | 90 - 110       |
| Potassium | 94.4    | 91.0    | P/P        | 90 - 110       |
| Tin       | 92.6    | 95.5    | P/P        | 90 - 110       |
| Titanium  | 95.2    | 98.7    | P/P        | 90 - 110       |
| Vanadium  | 95.2    | 97.5    | P/P        | 90 - 110       |
| Zinc      | 91.0    | 93.0    | P/P        | 90 - 110       |

Reference Method: EPA 8270E  
Run ID: A124352  
Included Lab Sample IDs: 2469060, 2469061, 2469063

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| PCB-1016  | 116     |         | P          | 80 - 120       |
| PCB-1260  | 127*    |         | F          | 80 - 120       |

Reference Method: EPA 200.7 Rev. 4.4  
Run ID: A124354  
Included Lab Sample IDs: 2469065, 2469066, 2469067

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Sodium    | 93.7    | 92.6    | P/P        | 90 - 110       |

Reference Method: EPA 200.8 Rev. 5.4  
Run ID: A124372  
Included Lab Sample IDs: 2469065, 2469066, 2469067, 2469068

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Chromium  | 94.6    | 97.0    | P/P        | 90 - 110       |
| Chromium  | 97.0    | 94.8    | P/P        | 90 - 110       |
| Nickel    | 94.2    | 96.5    | P/P        | 90 - 110       |
| Nickel    | 96.5    | 95.1    | P/P        | 90 - 110       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A124393

Included Lab Sample IDs: 2469065, 2469066, 2469067, 2469068

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| Sodium    | 99.7    | 99.8    | P/P        | 90 - 110       |
| Strontium | 102     | 102     | P/P        | 90 - 110       |

Reference Method: EPA 8270E

Run ID: A124396

Included Lab Sample IDs: 2469060, 2469061, 2469063

| Component          | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|--------------------|---------|---------|------------|----------------|
| Aldrin             | 96.9    |         | P          | 80 - 120       |
| Alpha-BHC          | 99.8    |         | P          | 80 - 120       |
| Alpha-Chlordane    | 102     |         | P          | 80 - 120       |
| Beta-BHC           | 101     |         | P          | 80 - 120       |
| Beta-Cyfluthrin    | 95.2    |         | P          | 80 - 120       |
| Bifenthrin         | 89.6    |         | P          | 80 - 120       |
| Chlorothalonil     | 98.8    |         | P          | 80 - 120       |
| Cis-Nonachlor      | 95.1    |         | P          | 80 - 120       |
| Cypermethrin       | 105     |         | P          | 80 - 120       |
| Dacthal            | 97.8    |         | P          | 80 - 120       |
| DDD-p,p'           | 107     |         | P          | 80 - 120       |
| DDE-p,p'           | 101     |         | P          | 80 - 120       |
| Delta-BHC          | 98.7    |         | P          | 80 - 120       |
| Deltamethrin       | 90.4    |         | P          | 80 - 120       |
| Dichlobenil        | 111     |         | P          | 80 - 120       |
| Dicofol            | 104     |         | P          | 80 - 120       |
| Dieldrin           | 91.7    |         | P          | 80 - 120       |
| Endosulfan I       | 91.6    |         | P          | 80 - 120       |
| Endosulfan II      | 101     |         | P          | 80 - 120       |
| Endosulfan Sulfate | 80.2    |         | P          | 80 - 120       |
| Endrin             | 90.0    |         | P          | 80 - 120       |
| Endrin Aldehyde    | 86.9    |         | P          | 80 - 120       |
| Endrin Ketone      | 93.6    |         | P          | 80 - 120       |
| Esfenvalerate      | 86.8    |         | P          | 80 - 120       |
| Ethalfuralin       | 102     |         | P          | 80 - 120       |
| Fenpropathrin      | 93.0    |         | P          | 80 - 120       |
| Gamma-BHC          | 99.7    |         | P          | 80 - 120       |
| Gamma-Chlordane    | 96.9    |         | P          | 80 - 120       |
| Heptachlor         | 97.6    |         | P          | 80 - 120       |
| Heptachlor Epoxide | 90.4    |         | P          | 80 - 120       |
| Hexachlorobenzene  | 96.2    |         | P          | 80 - 120       |
| Kepone             | 79.8*   |         | F          | 80 - 120       |
| Lambda-Cyhalothrin | 91.7    |         | P          | 80 - 120       |
| Methoprene         | 101     |         | P          | 80 - 120       |
| Methoxychlor       | 98.2    |         | P          | 80 - 120       |
| MGK-264            | 97.5    |         | P          | 80 - 120       |
| Mirex              | 89.1    |         | P          | 80 - 120       |
| Oxychlordane       | 96.5    |         | P          | 80 - 120       |
| Permethrin         | 92.1    |         | P          | 80 - 120       |
| Phenothrin         | 94.5    |         | P          | 80 - 120       |
| Piperonyl Butoxide | 88.2    |         | P          | 80 - 120       |
| Prallethrin        | 104     |         | P          | 80 - 120       |
| Tau-Fluvalinate    | 84.2    |         | P          | 80 - 120       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A124396

Included Lab Sample IDs: 2469060, 2469061, 2469063

| Component        | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|------------------|---------|---------|------------|----------------|
| Tetramethrin     | 90.5    |         | P          | 80 - 120       |
| Trans-Nonachlor  | 87.1    |         | P          | 80 - 120       |
| Triclosan Methyl | 99.9    |         | P          | 80 - 120       |
| Trifluralin      | 105     |         | P          | 80 - 120       |

Reference Method: EPA 8270E

Run ID: A124403

Included Lab Sample IDs: 2469062, 2469064

| Component                                                | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|----------------------------------------------------------|---------|---------|------------|----------------|
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 97.9    |         | P          | 80 - 120       |
| 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)          | 99.3    |         | P          | 80 - 120       |
| Avobenzone                                               | 103     |         | P          | 80 - 120       |
| Dechlorane 602                                           | 107     |         | P          | 80 - 120       |
| Dechlorane 603                                           | 106     |         | P          | 80 - 120       |
| Dechlorane Plus                                          | 101     |         | P          | 80 - 120       |
| Hexabromobenzene                                         | 110     |         | P          | 80 - 120       |
| Octinoxate                                               | 102     |         | P          | 80 - 120       |
| Oxybenzone                                               | 98.5    |         | P          | 80 - 120       |
| PBB-153                                                  | 93.8    |         | P          | 80 - 120       |
| PBDE-47                                                  | 96.2    |         | P          | 80 - 120       |
| PBDE-99                                                  | 99.0    |         | P          | 80 - 120       |
| Pentabromotoluene                                        | 98.0    |         | P          | 80 - 120       |
| Tetradecachloro-m-terphenyl                              | 94.4    |         | P          | 80 - 120       |
| Tri-o-cresyl Phosphate                                   | 105     |         | P          | 80 - 120       |
| Tris(1-chloro-2-propyl) phosphate (TCPP)                 | 97.6    |         | P          | 80 - 120       |
| Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)            | 103     |         | P          | 80 - 120       |
| Tris(2-chloroethyl) phosphate (TCEP)                     | 92.4    |         | P          | 80 - 120       |

Reference Method: EPA 8270E

Run ID: A124463

Included Lab Sample IDs: 2469060, 2469061, 2469063

| Component | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-----------|---------|---------|------------|----------------|
| DDT-p,p'  | 98.0    |         | P          | 80 - 120       |

Reference Method: EPA 8270E

Run ID: A124590

Included Lab Sample IDs: 2469064

| Component         | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|-------------------|---------|---------|------------|----------------|
| Acetochlor        | 99.8    |         | P          | 80 - 120       |
| Alachlor          | 92.3    |         | P          | 80 - 120       |
| Ametryn           | 94.0    |         | P          | 80 - 120       |
| Atrazine          | 99.5    |         | P          | 80 - 120       |
| Atrazine Desethyl | 91.7    |         | P          | 80 - 120       |
| Azinphos Methyl   | 99.8    |         | P          | 80 - 120       |
| Azoxystrobin      | 97.8    |         | P          | 80 - 120       |
| Bromacil          | 96.5    |         | P          | 80 - 120       |
| Butylate          | 98.4    |         | P          | 80 - 120       |
| Caffeine          | 95.5    |         | P          | 80 - 120       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E  
Run ID: A124590  
Included Lab Sample IDs: 2469064

| Component           | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|---------------------|---------|---------|------------|----------------|
| Carbophenothion     | 94.1    |         | P          | 80 - 120       |
| Carfentrazone Ethyl | 91.7    |         | P          | 80 - 120       |
| Chlorfenapyr        | 94.3    |         | P          | 80 - 120       |
| Chlorpyrifos Ethyl  | 101     |         | P          | 80 - 120       |
| Chlorpyrifos Methyl | 101     |         | P          | 80 - 120       |
| Coumaphos           | 90.3    |         | P          | 80 - 120       |
| Cyanazine           | 86.5    |         | P          | 80 - 120       |
| Cyprodinil          | 84.6    |         | P          | 80 - 120       |
| Demeton             | 104     |         | P          | 80 - 120       |
| Diazinon            | 102     |         | P          | 80 - 120       |
| Difenoconazole      | 93.2    |         | P          | 80 - 120       |
| Dimethenamid        | 101     |         | P          | 80 - 120       |
| Dimethomorph        | 102     |         | P          | 80 - 120       |
| Disulfoton          | 101     |         | P          | 80 - 120       |
| Dithiopyr           | 98.7    |         | P          | 80 - 120       |
| EPTC                | 99.5    |         | P          | 80 - 120       |
| Ethion              | 98.7    |         | P          | 80 - 120       |
| Ethoprop            | 103     |         | P          | 80 - 120       |
| Etridiazole         | 103     |         | P          | 80 - 120       |
| Fenamiphos          | 93.6    |         | P          | 80 - 120       |
| Fenbuconazole       | 94.4    |         | P          | 80 - 120       |
| Fipronil            | 97.3    |         | P          | 80 - 120       |
| Fipronil Desulfinyl | 101     |         | P          | 80 - 120       |
| Fipronil Sulfide    | 96.0    |         | P          | 80 - 120       |
| Fipronil Sulfone    | 88.1    |         | P          | 80 - 120       |
| Fluazifop-P-butyl   | 90.0    |         | P          | 80 - 120       |
| Fludioxonil         | 89.6    |         | P          | 80 - 120       |
| Flumioxazin         | 102     |         | P          | 80 - 120       |
| Flutolanil          | 90.7    |         | P          | 80 - 120       |
| Fluxapyroxad        | 101     |         | P          | 80 - 120       |
| Fonofos             | 92.3    |         | P          | 80 - 120       |
| Hexazinone          | 100     |         | P          | 80 - 120       |
| Imazalil            | 93.9    |         | P          | 80 - 120       |
| Iprodione           | 98.6    |         | P          | 80 - 120       |
| Loratadine          | 100     |         | P          | 80 - 120       |
| Malathion           | 104     |         | P          | 80 - 120       |
| Metalaxyl           | 98.5    |         | P          | 80 - 120       |
| Metolachlor         | 93.0    |         | P          | 80 - 120       |
| Metribuzin          | 101     |         | P          | 80 - 120       |
| Mevinphos           | 107     |         | P          | 80 - 120       |
| Molinate            | 99.3    |         | P          | 80 - 120       |
| Myclobutanil        | 96.9    |         | P          | 80 - 120       |
| Naled               | 110     |         | P          | 80 - 120       |
| Napropamide         | 90.4    |         | P          | 80 - 120       |
| Norflurazon         | 91.2    |         | P          | 80 - 120       |
| Oxadiazon           | 96.6    |         | P          | 80 - 120       |
| Oxyfluorfen         | 103     |         | P          | 80 - 120       |
| Parathion Ethyl     | 98.6    |         | P          | 80 - 120       |
| Parathion Methyl    | 105     |         | P          | 80 - 120       |
| Pendimethalin       | 94.4    |         | P          | 80 - 120       |
| Phenytain           | 97.4    |         | P          | 80 - 120       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E  
Run ID: A124590  
Included Lab Sample IDs: 2469064

| Component        | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|------------------|---------|---------|------------|----------------|
| Phorate          | 97.7    |         | P          | 80 - 120       |
| Prodiamine       | 103     |         | P          | 80 - 120       |
| Prometon         | 102     |         | P          | 80 - 120       |
| Prometryn        | 90.6    |         | P          | 80 - 120       |
| Pronamide        | 103     |         | P          | 80 - 120       |
| Propanil         | 109     |         | P          | 80 - 120       |
| Propargite       | 94.0    |         | P          | 80 - 120       |
| Propiconazole    | 93.3    |         | P          | 80 - 120       |
| Pyraflufen Ethyl | 89.9    |         | P          | 80 - 120       |
| Pyridaben        | 101     |         | P          | 80 - 120       |
| Pyriproxyfen     | 100     |         | P          | 80 - 120       |
| Simazine         | 96.5    |         | P          | 80 - 120       |
| Stirophos        | 92.7    |         | P          | 80 - 120       |
| Sulfentrazone    | 94.4    |         | P          | 80 - 120       |
| Tebuconazole     | 92.1    |         | P          | 80 - 120       |
| Terbufos         | 97.3    |         | P          | 80 - 120       |
| Terbuthylazine   | 102     |         | P          | 80 - 120       |
| Thiobencarb      | 99.3    |         | P          | 80 - 120       |
| Triadimefon      | 90.0    |         | P          | 80 - 120       |

Reference Method: EPA 8270E  
Run ID: A124708  
Included Lab Sample IDs: 2469062

| 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       |
| 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       |

## Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E  
Run ID: A124708  
Included Lab Sample IDs: 2469062

| Component           | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|---------------------|---------|---------|------------|----------------|
| 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       |
| Metalaxyl           | 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       |
| Phenytol            | 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       |
| 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       |

Quality Assurance Report  
Calibration Verification

Reference Method: EPA 8270E  
Run ID: A124708  
Included Lab Sample IDs: 2469062

| Component      | % Rec.1 | % Rec.2 | Pass/Fail* | Control Limits |
|----------------|---------|---------|------------|----------------|
| Terbuthylazine | 93.9    |         | P          | 80 - 120       |
| Thiobencarb    | 110     |         | P          | 80 - 120       |
| Triadimefon    | 96.6    |         | P          | 80 - 120       |

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

## Quality Assurance Report Summary

| Ref. Method        | Analyte                                                      | LCS % Recovery | MS % Recovery |      |      | Precision<br>SMP | MS    |
|--------------------|--------------------------------------------------------------|----------------|---------------|------|------|------------------|-------|
|                    |                                                              |                | LCS           |      |      |                  |       |
| EPA 200.7 Rev. 4.4 | Calcium                                                      | 98.8           | 96.6          | 98.1 |      |                  | 0.756 |
|                    | Iron                                                         | 104            | 105           | 101  | 98.0 |                  | 3.18  |
|                    | Magnesium                                                    | 104            | 104           | 100  | 93.5 |                  | 2.98  |
|                    | Potassium                                                    | 102            | 98.2          | 96.0 | 94.3 |                  | 1.67  |
|                    | Sodium                                                       | 105            | 91.4          | 93.3 | 86.1 |                  | 1.35  |
|                    | Strontium                                                    | 101            | 102           | 102  | 100  |                  | 0.232 |
|                    | Tin                                                          | 99.2           | 94.6          | 93.9 | 93.7 |                  | 0.806 |
|                    | Titanium                                                     | 102            | 79.5          | 77.8 | 98.9 |                  | 1.57  |
|                    | Vanadium                                                     | 99.9           | 99.9          | 99.3 | 99.2 |                  | 0.545 |
|                    | Zinc                                                         | 97.7           | 95.3          | 94.4 | 95.5 |                  | 1.01  |
|                    |                                                              |                |               |      |      |                  |       |
| EPA 200.8 Rev. 5.4 | Aluminum                                                     | 99.3           | 86.6          | 96.3 | 98.4 |                  | 6.41  |
|                    | Antimony                                                     | 99.1           | 98.5          | 98.0 | 100  |                  | 0.438 |
|                    | Arsenic                                                      | 101            | 102           | 102  | 104  |                  | 0.657 |
|                    | Barium                                                       | 99.9           | 101           | 101  | 101  |                  | 0.419 |
|                    | Beryllium                                                    | 95.9           | 98.0          | 94.7 | 98.2 |                  | 3.30  |
|                    | Boron                                                        | 102            | 105           | 105  | 104  |                  | 0.137 |
|                    | Cadmium                                                      | 99.4           | 102           | 99.5 | 100  |                  | 2.36  |
|                    | Chromium                                                     | 105            | 96.8          | 98.7 | 101  |                  | 1.89  |
|                    | Cobalt                                                       | 99.5           | 102           | 101  | 101  |                  | 1.29  |
|                    | Copper                                                       | 100            | 102           | 101  | 101  |                  | 1.11  |
|                    | Lead                                                         | 95.2           | 95.9          | 95.7 | 97.7 |                  | 0.278 |
|                    | Manganese                                                    | 99.0           | 102           | 99.8 | 100  |                  | 1.92  |
|                    | Molybdenum                                                   | 99.0           | 104           | 99.9 | 103  |                  | 4.39  |
|                    | Nickel                                                       | 99.4           | 95.3          | 97.6 | 97.5 |                  | 2.34  |
|                    | Selenium                                                     | 98.2           | 98.7          | 98.4 | 100  |                  | 0.269 |
|                    | Silver                                                       | 111            | 111           | 112  | 111  |                  | 0.439 |
|                    | Thallium                                                     | 99.8           | 106           | 104  | 103  |                  | 0.899 |
|                    |                                                              |                |               |      |      |                  |       |
|                    |                                                              |                |               |      |      |                  |       |
| EPA 8270E          | 2-(2H-benzotriazol-2-yl)-4,6-ditertpe<br>ntylphenol (UV-328) | 54.0           | 51.5          | 90.5 |      |                  | 55.0  |
|                    | 2-Ethylhexyl<br>2,3,4,5-tetrabromobenzoate<br>(EHTBB)        | 97.1           | 90.6          | 100  |      |                  | 10.3  |
|                    |                                                              |                |               |      |      |                  |       |
|                    | Acetochlor                                                   | 104            | 107           | 105  |      |                  | 1.93  |
|                    | Acetochlor                                                   | 83.2           | 78.5          | 84.7 |      |                  | 7.66  |
|                    | Alachlor                                                     | 90.0           | 80.3          | 92.3 |      |                  | 14.0  |
|                    | Alachlor                                                     | 81.1           | 74.5          | 76.1 |      |                  | 2.12  |
|                    | Aldrin                                                       | 48.1           | 63.5          |      |      |                  |       |
|                    | Alpha-BHC                                                    | 83.0           | 87.8          |      |      |                  |       |
|                    | Alpha-Chlordane                                              | 67.3           | 88.3          |      |      |                  |       |
|                    | Ametryn                                                      | 97.6           | 125           | 118  |      |                  | 5.07  |
|                    | Ametryn                                                      | 99.4           | 88.8          | 97.1 |      |                  | 8.97  |
|                    | Atrazine                                                     | 93.9           |               |      |      |                  | 5.36  |
|                    | Atrazine                                                     | 70.3           | 74.7          | 75.9 |      |                  | 1.50  |
|                    | Atrazine Desethyl                                            | 81.2           | 101           | 100  |      |                  | 1.01  |
|                    | Atrazine Desethyl                                            | 91.3           | 112           | 97.4 |      |                  | 13.7  |
|                    | Avobenzone                                                   | 124            | 114           | 117  |      |                  | 2.33  |
|                    | Azinphos Methyl                                              | 129            | 105           | 103  |      |                  | 1.99  |
|                    | Azinphos Methyl                                              | 103            | 87.7          | 112  |      |                  | 24.6  |
|                    | Azoxystrobin                                                 | 93.2           | 99.8          | 105  |      |                  | 5.25  |
|                    | Azoxystrobin                                                 | 92.8           | 95.0          | 90.8 |      |                  | 4.48  |
|                    | Beta-BHC                                                     | 87.4           | 94.6          |      |      |                  |       |
|                    | Beta-Cyfluthrin                                              | 77.3           | 91.6          |      |      |                  |       |
|                    | Bifenthrin                                                   | 51.8           | 55.3          |      |      |                  |       |
|                    | Bromacil                                                     | 108            | 104           | 111  |      |                  | 6.89  |

## Quality Assurance Report Summary

| Ref. Method | Analyte             | LCS % Recovery | MS % Recovery |      | LCS | Precision | MS    |
|-------------|---------------------|----------------|---------------|------|-----|-----------|-------|
|             |                     |                |               |      |     | SMP       |       |
| EPA 8270E   | Bromacil            | 104            | 89.9          | 97.4 |     |           | 7.98  |
|             | Butylate            | 58.4           | 62.6          | 62.1 |     |           | 0.814 |
|             | Butylate            | 41.8           | 54.0          | 41.2 |     |           | 26.8  |
|             | Caffeine            | 98.9           | 111           | 104  |     |           | 5.27  |
|             | Caffeine            | 68.6           | 101           | 93.7 |     |           | 7.33  |
|             | Carbophenothion     | 80.5           | 83.4          | 73.4 |     |           | 12.7  |
|             | Carbophenothion     | 81.5           | 74.7          | 100  |     |           | 29.4  |
|             | Carfentrazone Ethyl | 90.3           | 73.3          | 74.4 |     |           | 1.55  |
|             | Carfentrazone Ethyl | 86.7           | 81.0          | 108  |     |           | 28.9  |
|             | Chlorfenapyr        | 78.4           | 84.6          | 74.4 |     |           | 12.8  |
|             | Chlorfenapyr        | 80.5           | 80.9          | 85.8 |     |           | 5.86  |
|             | Chlorothalonil      | 114            | 93.6          |      |     |           |       |
|             | Chlorpyrifos Ethyl  | 102            | 110           | 115  |     |           | 5.29  |
|             | Chlorpyrifos Ethyl  | 79.4           | 73.7          | 75.8 |     |           | 2.82  |
|             | Chlorpyrifos Methyl | 103            | 108           | 123  |     |           | 13.1  |
|             | Chlorpyrifos Methyl | 76.2           | 74.4          | 78.5 |     |           | 5.38  |
|             | Cis-Nonachlor       | 39.4           | 79.2          |      |     |           |       |
|             | Coumaphos           | 105            | 121           | 97.4 |     |           | 21.4  |
|             | Coumaphos           | 80.3           | 71.4          | 67.7 |     |           | 5.25  |
|             | Cyanazine           | 103            | 111           | 100  |     |           | 9.85  |
|             | Cyanazine           | 183            | 199           | 181  |     |           | 9.73  |
|             | Cypermethrin        | 62.1           | 103           |      |     |           |       |
|             | Cyprodinil          | 86.5           | 113           | 95.9 |     |           | 16.8  |
|             | Cyprodinil          | 73.7           | 75.1          | 69.1 |     |           | 8.28  |
|             | Dacthal             | 112            | 100           |      |     |           |       |
|             | DDD-p,p'            | 56.1           | 82.9          |      |     |           |       |
|             | DDE-p,p'            | 53.2           | 71.1          |      |     |           |       |
|             | DDT-p,p'            | 62.0           | 72.2          |      |     |           |       |
|             | Dechlorane 602      | 95.4           | 64.4          | 81.5 |     |           | 23.5  |
|             | Dechlorane 603      | 107            | 84.4          | 93.6 |     |           | 10.3  |
|             | Dechlorane Plus     | 94.8           | 75.9          | 80.4 |     |           | 5.69  |
|             | Delta-BHC           | 85.5           | 83.7          |      |     |           |       |
|             | Deltamethrin        | 53.9           | 97.4          |      |     |           |       |
|             | Demeton             | 87.3           | 107           | 119  |     |           | 11.1  |
|             | Demeton             | 54.4           | 61.2          | 56.3 |     |           | 8.26  |
|             | Diazinon            | 104            | 120           | 134  |     |           | 11.2  |
|             | Diazinon            | 95.3           | 87.9          | 91.2 |     |           | 3.73  |
|             | Dichlobenil         | 59.8           | 72.9          |      |     |           |       |
|             | Dicofol             | 51.4           | 64.5          |      |     |           |       |
|             | Dieldrin            | 51.4           | 78.3          |      |     |           |       |
|             | Difenoconazole      | 74.2           | 88.6          | 82.2 |     |           | 7.42  |
|             | Difenoconazole      | 99.9           | 79.3          | 114  |     |           | 35.8  |
|             | Dimethenamid        | 102            | 107           | 110  |     |           | 2.89  |
|             | Dimethenamid        | 61.9           | 66.9          | 68.3 |     |           | 2.09  |
|             | Dimethomorph        | 95.4           | 128           | 115  |     |           | 10.6  |
|             | Dimethomorph        | 119            | 120           | 141  |     |           | 16.2  |
|             | Disulfoton          | 92.0           | 113           | 123  |     |           | 8.32  |
|             | Disulfoton          | 91.1           | 89.0          | 91.4 |     |           | 2.63  |
|             | Dithiopyr           | 95.4           | 102           | 107  |     |           | 5.12  |
|             | Dithiopyr           | 93.5           | 98.5          | 82.9 |     |           | 17.2  |
|             | Endosulfan I        | 54.7           | 84.0          |      |     |           |       |
|             | Endosulfan II       | 70.2           | 93.5          |      |     |           |       |
|             | Endosulfan Sulfate  | 56.3           | 76.2          |      |     |           |       |
|             | Endrin              | 53.0           | 84.1          |      |     |           |       |

## Quality Assurance Report Summary

| Ref. Method | Analyte             | LCS % Recovery | MS % Recovery |      | Precision<br>SMP | MS     |
|-------------|---------------------|----------------|---------------|------|------------------|--------|
|             |                     |                | LCS           |      |                  |        |
| EPA 8270E   | Endrin Aldehyde     | 35.0           |               | 73.6 |                  |        |
|             | Endrin Ketone       | 98.7           |               | 107  |                  |        |
|             | EPTC                | 55.2           |               | 58.9 | 58.6             | 0.416  |
|             | EPTC                | 33.5           |               | 44.8 | 30.1             | 39.2   |
|             | Esfenvalerate       | 54.7           |               | 84.3 |                  |        |
|             | Ethalfuralin        | 51.7           |               | 71.7 |                  |        |
|             | Ethion              | 86.9           |               | 87.7 | 72.4             | 19.1   |
|             | Ethion              | 56.9           |               | 58.5 | 71.5             | 20.1   |
|             | Ethoprop            | 83.4           |               | 92.4 | 95.3             | 3.14   |
|             | Ethoprop            | 65.5           |               | 77.7 | 74.6             | 4.06   |
|             | Etridiazole         | 70.1           |               | 62.0 | 71.6             | 14.4   |
|             | Etridiazole         | 55.1           |               | 56.7 | 49.8             | 13.0   |
|             | Fenamiphos          | 97.9           |               | 92.0 | 75.3             | 19.9   |
|             | Fenamiphos          | 67.4           |               | 98.3 | 101              | 2.35   |
|             | Fenbuconazole       | 64.1           |               | 74.5 | 58.4             | 24.3   |
|             | Fenbuconazole       | 87.1           |               | 65.6 | 84.6             | 25.4   |
|             | Fenpropathrin       | 56.9           |               | 86.6 |                  |        |
|             | Fipronil            | 101            |               | 104  | 112              | 7.66   |
|             | Fipronil            | 85.0           |               | 82.6 | 83.7             | 1.22   |
|             | Fipronil Desulfinyl | 83.4           |               | 83.2 | 97.5             | 14.0   |
|             | Fipronil Desulfinyl | 97.8           |               | 82.8 | 95.3             | 14.0   |
|             | Fipronil Sulfide    | 89.7           |               | 93.6 | 99.8             | 5.64   |
|             | Fipronil Sulfide    | 75.9           |               | 77.0 | 71.3             | 7.60   |
|             | Fipronil Sulfone    | 86.9           |               | 90.4 | 77.6             | 12.0   |
|             | Fipronil Sulfone    | 69.5           |               | 66.6 | 61.2             | 8.43   |
|             | Fluazifop-P-butyl   | 79.0           |               | 84.3 | 72.7             | 14.8   |
|             | Fluazifop-P-butyl   | 106            |               | 85.9 | 60.9             | 34.0   |
|             | Fludioxonil         | 79.1           |               | 81.4 | 73.1             | 10.8   |
|             | Fludioxonil         | 65.6           |               | 70.8 | 70.8             | 0.0353 |
|             | Flumioxazin         | 168            |               | 143  | 132              | 8.01   |
|             | Flumioxazin         | 97.6           |               | 76.8 | 88.1             | 13.7   |
|             | Flutolanil          | 85.5           |               | 74.6 | 60.4             | 21.1   |
|             | Flutolanil          | 86.3           |               | 103  | 93.8             | 8.97   |
|             | Fluxapyroxad        | 107            |               | 123  | 104              | 16.6   |
|             | Fluxapyroxad        | 67.2           |               | 55.4 | 63.9             | 14.3   |
|             | Fonofos             | 83.0           |               | 96.6 | 91.1             | 5.88   |
|             | Fonofos             | 58.4           |               | 70.7 | 67.6             | 4.52   |
|             | Gamma-BHC           | 91.7           |               | 103  |                  |        |
|             | Gamma-Chlordane     | 65.5           |               | 90.2 |                  |        |
|             | Heptachlor          | 53.0           |               | 77.0 |                  |        |
|             | Heptachlor Epoxide  | 77.6           |               | 83.1 |                  |        |
|             | Hexabromobenzene    | 93.8           |               | 107  | 99.8             | 7.46   |
|             | Hexachlorobenzene   | 46.3           |               | 68.7 |                  |        |
|             | Hexazinone          | 97.3           |               | 112  | 110              | 2.19   |
|             | Hexazinone          | 70.2           |               | 77.2 | 75.9             | 1.59   |
|             | Imazalil            | 80.1           |               | 85.7 | 110              | 24.9   |
|             | Imazalil            | 87.6           |               | 97.1 | 92.3             | 4.99   |
|             | Iprodione           | 104            |               | 11.7 | 48.9             | 123    |
|             | Iprodione           | 89.0           |               | 62.4 | 77.0             | 20.8   |
|             | Kepone              | 85.5           |               | 93.2 |                  |        |
|             | Lambda-Cyhalothrin  | 54.6           |               | 72.9 |                  |        |
|             | Loratadine          | 80.5           |               | 97.4 | 81.4             | 17.9   |
|             | Loratadine          | 117            |               | 88.0 | 123              | 33.4   |
|             | Malathion           | 123            |               | 76.4 | 26.3             | 97.5   |

## Quality Assurance Report Summary

| Ref. Method | Analyte            | LCS % Recovery | MS % Recovery |      | LCS | Precision | MS    |
|-------------|--------------------|----------------|---------------|------|-----|-----------|-------|
|             |                    |                |               |      |     | SMP       |       |
| EPA 8270E   | Malathion          | 79.5           | 74.2          | 79.0 |     |           | 6.34  |
|             | Metalaxyl          | 90.6           | 102           | 98.1 |     |           | 3.82  |
|             | Metalaxyl          | 79.8           | 71.2          | 77.7 |     |           | 8.77  |
|             | Methoprene         | 59.5           | 85.6          |      |     |           |       |
|             | Methoxychlor       | 70.1           | 80.5          |      |     |           |       |
|             | Metolachlor        | 84.3           | 88.3          | 69.6 |     |           | 23.8  |
|             | Metolachlor        | 69.2           | 81.5          | 70.7 |     |           | 14.1  |
|             | Metribuzin         | 95.8           | 105           | 108  |     |           | 2.58  |
|             | Metribuzin         | 84.7           | 86.2          | 80.9 |     |           | 6.38  |
|             | Mevinphos          | 111            | 90.6          | 115  |     |           | 24.0  |
|             | Mevinphos          | 65.9           | 75.0          | 71.3 |     |           | 5.06  |
|             | MGK-264            | 94.8           | 93.5          |      |     |           |       |
|             | Mirex              | 34.5           | 61.3          |      |     |           |       |
|             | Molinate           | 66.9           | 78.3          | 76.7 |     |           | 2.12  |
|             | Molinate           | 42.2           | 52.5          | 42.0 |     |           | 22.2  |
|             | Myclobutanil       | 103            | 110           | 113  |     |           | 2.62  |
|             | Myclobutanil       | 86.3           | 75.7          | 81.9 |     |           | 7.88  |
|             | Naled              | 79.3           | 59.7          | 83.5 |     |           | 33.2  |
|             | Naled              | 59.1           | 43.6          | 51.3 |     |           | 16.4  |
|             | Napropamide        | 73.6           | 77.7          | 62.1 |     |           | 22.4  |
|             | Napropamide        | 69.8           | 67.9          | 84.1 |     |           | 21.3  |
|             | Norflurazon        | 79.5           | 82.6          | 67.1 |     |           | 20.8  |
|             | Norflurazon        | 94.6           | 71.4          | 95.9 |     |           | 29.4  |
|             | Octinoxate         | 98.1           | 89.3          | 89.7 |     |           | 0.429 |
|             | Oxadiazon          | 78.0           | 82.4          | 72.3 |     |           | 13.1  |
|             | Oxadiazon          | 61.8           | 60.6          | 61.7 |     |           | 1.81  |
|             | Oxybenzone         | 96.3           | 87.3          | 86.6 |     |           | 0.872 |
|             | Oxychlordane       | 98.4           | 96.8          |      |     |           |       |
|             | Oxyfluorfen        | 107            | 118           | 125  |     |           | 5.92  |
|             | Oxyfluorfen        | 97.6           | 109           | 113  |     |           | 3.49  |
|             | Parathion Ethyl    | 92.8           | 106           | 101  |     |           | 5.44  |
|             | Parathion Ethyl    | 62.5           | 71.4          | 73.7 |     |           | 3.18  |
|             | Parathion Methyl   | 98.8           | 117           | 115  |     |           | 1.70  |
|             | Parathion Methyl   | 70.0           | 65.5          | 77.8 |     |           | 17.2  |
|             | PBB-153            | 97.7           | 91.2          | 97.1 |     |           | 6.22  |
|             | PBDE-47            | 103            | 86.5          | 92.3 |     |           | 6.46  |
|             | PBDE-99            | 102            | 82.2          | 90.2 |     |           | 9.30  |
|             | PCB-1016           | 81.0           | 71.6          | 70.9 |     |           | 0.951 |
|             | PCB-1260           | 97.5           | 79.6          | 86.6 |     |           | 8.38  |
|             | Pendimethalin      | 118            | 127           | 101  |     |           | 23.2  |
|             | Pendimethalin      | 86.3           | 101           | 95.2 |     |           | 5.86  |
|             | Pentabromotoluene  | 84.1           | 79.9          | 76.9 |     |           | 3.80  |
|             | Permethrin         | 59.5           | 83.1          |      |     |           |       |
|             | Phenothrin         | 50.4           | 65.0          |      |     |           |       |
|             | Phenytol           | 94.8           | 35.6          | 30.1 |     |           | 16.8  |
|             | Phenytol           | 30.2           | 29.7          | 43.8 |     |           | 38.4  |
|             | Phorate            | 75.5           | 105           | 110  |     |           | 4.10  |
|             | Phorate            | 67.6           | 115           | 112  |     |           | 2.45  |
|             | Piperonyl Butoxide | 77.2           | 89.3          |      |     |           |       |
|             | Prallethrin        | 50.6           | 75.5          |      |     |           |       |
|             | Prodiamine         | 118            | 113           | 107  |     |           | 5.58  |
|             | Prodiamine         | 66.6           | 68.3          | 64.9 |     |           | 5.05  |
|             | Prometon           | 112            | 130           | 125  |     |           | 3.82  |
|             | Prometon           | 76.6           | 84.6          | 85.6 |     |           | 1.19  |

## Quality Assurance Report Summary

| Ref. Method | Analyte                                       | LCS % Recovery | MS % Recovery |      | LCS | Precision<br>SMP | MS    |
|-------------|-----------------------------------------------|----------------|---------------|------|-----|------------------|-------|
| EPA 8270E   | Prometryn                                     | 110            | 130           | 104  |     |                  | 21.7  |
|             | Prometryn                                     | 88.8           | 111           | 96.6 |     |                  | 13.7  |
|             | Pronamide                                     | 109            | 120           | 116  |     |                  | 3.21  |
|             | Pronamide                                     | 87.8           | 87.5          | 94.1 |     |                  | 7.25  |
|             | Propanil                                      | 86.2           | 88.7          | 77.5 |     |                  | 13.5  |
|             | Propanil                                      | 82.8           | 133           | 142  |     |                  | 6.62  |
|             | Propargite                                    | 81.5           | 79.0          | 79.6 |     |                  | 0.760 |
|             | Propargite                                    | 49.1           | 39.5          | 50.8 |     |                  | 24.8  |
|             | Propiconazole                                 | 89.2           | 112           | 95.4 |     |                  | 16.1  |
|             | Propiconazole                                 | 59.6           | 56.0          | 56.8 |     |                  | 1.47  |
|             | Pyraflufen Ethyl                              | 84.5           | 70.0          | 74.7 |     |                  | 6.49  |
|             | Pyraflufen Ethyl                              | 73.6           | 51.5          | 66.2 |     |                  | 24.9  |
|             | Pyridaben                                     | 110            | 133           | 106  |     |                  | 22.1  |
|             | Pyridaben                                     | 106            | 92.1          | 95.5 |     |                  | 3.62  |
|             | Pyriproxyfen                                  | 103            | 118           | 103  |     |                  | 14.4  |
|             | Pyriproxyfen                                  | 65.0           | 58.5          | 73.9 |     |                  | 23.2  |
|             | Simazine                                      | 100            | 114           | 108  |     |                  | 5.56  |
|             | Simazine                                      | 68.5           | 76.6          | 72.0 |     |                  | 6.23  |
|             | Stirophos                                     | 88.1           | 69.0          | 56.6 |     |                  | 19.7  |
|             | Stirophos                                     | 67.7           | 66.8          | 61.1 |     |                  | 8.95  |
|             | Sulfentrazone                                 | 102            | 31.4          | 30.3 |     |                  | 3.53  |
|             | Sulfentrazone                                 | 69.3           | 29.7          | 72.7 |     |                  | 84.0  |
|             | Tau-Fluvalinate                               | 55.8           | 72.8          |      |     |                  |       |
|             | Tebuconazole                                  | 85.2           | 97.9          | 80.3 |     |                  | 19.8  |
|             | Tebuconazole                                  | 47.6           | 44.1          | 46.8 |     |                  | 5.92  |
|             | Terbufos                                      | 85.3           | 106           | 102  |     |                  | 3.80  |
|             | Terbufos                                      | 62.3           | 75.6          | 66.3 |     |                  | 13.1  |
|             | Terbuthylazine                                | 91.4           | 97.8          | 91.0 |     |                  | 7.19  |
|             | Terbuthylazine                                | 70.0           | 71.6          | 73.0 |     |                  | 2.02  |
|             | Tetradecachloro-m-terphenyl                   | 80.5           | 85.7          | 77.7 |     |                  | 9.77  |
|             | Tetramethrin                                  | 74.1           | 88.8          |      |     |                  |       |
|             | Thiobencarb                                   | 104            | 104           | 39.6 |     |                  | 89.7  |
|             | Thiobencarb                                   | 101            | 86.5          | 89.3 |     |                  | 3.18  |
|             | Trans-Nonachlor                               | 50.1           | 74.6          |      |     |                  |       |
|             | Tri-o-cresyl Phosphate                        | 107            | 95.9          | 96.8 |     |                  | 0.898 |
|             | Triadimefon                                   | 73.7           | 77.8          | 91.5 |     |                  | 16.2  |
|             | Triadimefon                                   | 75.1           | 75.6          | 87.6 |     |                  | 14.7  |
|             | Triclosan Methyl                              | 77.1           | 96.1          |      |     |                  |       |
|             | Trifluralin                                   | 48.3           | 75.7          |      |     |                  |       |
|             | Tris(1-chloro-2-propyl) phosphate (TCPP)      | 98.4           | 98.8          | 94.4 |     |                  | 4.64  |
|             | Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | 107            | 97.5          | 99.7 |     |                  | 2.19  |
|             | Tris(2-chloroethyl) phosphate (TCEP)          | 108            | 97.1          | 94.5 |     |                  | 2.62  |
| EPA 8276    | Chlordane                                     | 90.5           | 76.9          | 88.5 |     |                  | 14.1  |
|             | Toxaphene                                     | 96.5           | 88.3          | 97.6 |     |                  | 10.0  |
| EPA 8321B   | 2,4-D                                         | 106            | 111           | 95.4 |     |                  | 14.9  |
|             | 2,4,5-T                                       | 128            | 122           | 103  |     |                  | 17.4  |
|             | 3-Hydroxycarbofuran                           | 77.1           | 78.8          | 72.9 |     |                  | 7.76  |
|             | Acesulfame K                                  | 98.3           | 116           | 117  |     |                  | 0.728 |
|             | Acetaminophen                                 | 88.0           | 104           | 97.5 |     |                  | 6.78  |
|             | Acetamiprid                                   | 75.8           | 82.0          | 80.1 |     |                  | 2.31  |
|             | Afidopyropen                                  | 55.6           | 57.8          | 75.2 |     |                  | 26.1  |

## Quality Assurance Report Summary

| Ref. Method | Analyte            | LCS % Recovery | MS % Recovery |      | Precision |       |
|-------------|--------------------|----------------|---------------|------|-----------|-------|
|             |                    |                | LCS           | SMP  | SMP       | MS    |
| EPA 8321B   | Aldicarb           | 61.3           | 69.5          | 65.0 |           | 6.67  |
|             | Aldicarb Sulfone   | 91.5           | 62.4          | 59.2 |           | 5.33  |
|             | Aldicarb Sulfoxide | 120            | 35.2          | 32.0 |           | 9.65  |
|             | AMPA               | 94.6           | 80.4          | 83.8 |           | 3.13  |
|             | Bentazon           | 95.7           | 94.8          | 90.7 |           | 4.39  |
|             | Benzovindiflupyr   | 83.9           | 85.2          | 78.3 |           | 8.40  |
|             | Carbamazepine      | 87.9           | 79.9          | 72.7 |           | 9.44  |
|             | Carbaryl           | 80.3           | 62.1          | 65.6 |           | 5.48  |
|             | Carbofuran         | 81.1           | 65.7          | 65.2 |           | 0.740 |
|             | Clothianidin       | 88.6           | 97.1          | 85.9 |           | 12.2  |
|             | Dinotefuran        | 99.0           | 107           | 98.7 |           | 7.96  |
|             | Diuron             | 82.3           | 78.7          | 73.1 |           | 6.66  |
|             | Endothall          | 92.0           | 99.2          | 97.5 |           | 1.67  |
|             | Fenuron            | 97.5           | 95.6          | 91.4 |           | 4.49  |
|             | Fluridone          | 96.5           | 85.6          | 81.9 |           | 4.50  |
|             | Glufosinate        | 74.7           | 80.6          | 85.4 |           | 5.67  |
|             | Glyphosate         | 79.1           | 68.5          | 74.9 |           | 6.12  |
|             | Hydrocodone        | 89.3           | 85.0          | 78.5 |           | 7.95  |
|             | Ibuprofen          | 99.5           | 53.1          | 59.6 |           | 11.6  |
|             | Imazapyr           | 101            | 98.1          | 96.8 |           | 1.36  |
|             | Imidacloprid       | 86.6           | 109           | 98.9 |           | 10.2  |
|             | Linuron            | 77.5           | 83.4          | 73.3 |           | 12.9  |
|             | Mandestrobin       | 88.7           | 91.2          | 84.6 |           | 7.54  |
|             | MCPP               | 101            | 103           | 95.6 |           | 7.06  |
|             | Methiocarb         | 69.0           | 64.9          | 64.3 |           | 1.02  |
|             | Methomyl           | 89.3           | 73.5          | 71.9 |           | 2.22  |
|             | Naproxen           | 77.7           | 94.7          | 78.8 |           | 18.4  |
|             | Oxamyl             | 97.5           | 44.8          | 44.2 |           | 1.38  |
|             | Primidone          | 79.8           | 89.8          | 78.0 |           | 14.0  |
|             | Propoxur           | 79.1           | 60.3          | 59.5 |           | 1.29  |
|             | Pyraclostrobin     | 78.9           | 79.8          | 72.8 |           | 9.09  |
|             | Silvex             | 93.1           | 94.8          | 90.4 |           | 4.78  |
|             | Sucralose          | 100            | 104           | 108  |           | 3.16  |
|             | Thiamethoxam       | 86.2           | 88.5          | 81.5 |           | 8.20  |
|             | Tolfenpyrad        | 49.8           | 59.2          | 48.5 |           | 19.8  |
|             | Triclopyr          | 124            | 109           | 112  |           | 2.69  |

## Reference Method Descriptions

| Method             | Description                                                                                                               | Associated Samples                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| EPA 200.7 Rev. 4.4 | Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects | 2469065, 2469066, 2469067, 2469068 |
| EPA 200.8 Rev. 5.4 | Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    | 2469065, 2469066, 2469067, 2469068 |
| EPA 8270E          | Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                                                | 2469062, 2469064                   |
| EPA 8270E          | Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                          | 2469060, 2469061, 2469063          |
| EPA 8270E          | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                                                    | 2469062, 2469064                   |
| EPA 8270E          | PCBs in water matrices by GC/MS/MS                                                                                        | 2469060, 2469061, 2469063          |
| EPA 8276           | Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization                                      | 2469060, 2469061, 2469063          |
| EPA 8321B          | Carbamates in water matrices by HPLC/MS/MS                                                                                | 2469055, 2469058                   |
| EPA 8321B          | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                               | 2469056, 2469057, 2469059          |
| SM 2340 B-2011     | Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                      | 2469065, 2469066, 2469067, 2469068 |

## Preparation and Analysis Log

| Ref. Method        | Received Date | Prep Date/Time   | Prepared By      | Analysis Date/Time | Analyzed By       | Associated Samples |
|--------------------|---------------|------------------|------------------|--------------------|-------------------|--------------------|
| EPA 200.7 Rev. 4.4 | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 22:17   | McKinley C Carter | 2469065            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 22:24   | McKinley C Carter | 2469066            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 22:32   | McKinley C Carter | 2469067            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 22:40   | McKinley C Carter | 2469068            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/22/2024 18:00   | McKinley C Carter | 2469065            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/22/2024 18:07   | McKinley C Carter | 2469066            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/22/2024 18:15   | McKinley C Carter | 2469067            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/26/2024 14:10   | Chase Roberts     | 2469065            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/26/2024 14:15   | Chase Roberts     | 2469066            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/26/2024 14:20   | Chase Roberts     | 2469067            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/26/2024 14:25   | Chase Roberts     | 2469068            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 21:21   | Emily M Philpot   | 2469065            |
| EPA 200.8 Rev. 5.4 | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 21:30   | Emily M Philpot   | 2469066            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 21:40   | Emily M Philpot   | 2469067            |
|                    | 02/14/2024    | 02/15/2024 13:30 | George D Taylor  | 02/20/2024 21:49   | Emily M Philpot   | 2469068            |
|                    | 02/14/2024    | 02/23/2024 10:20 | George D Taylor  | 02/23/2024 17:53   | Conrad Hartmann   | 2469066            |
|                    | 02/14/2024    | 02/23/2024 10:20 | George D Taylor  | 02/23/2024 18:40   | Conrad Hartmann   | 2469065            |
|                    | 02/14/2024    | 02/23/2024 10:20 | George D Taylor  | 02/23/2024 18:47   | Conrad Hartmann   | 2469067            |
|                    | 02/14/2024    | 02/23/2024 10:20 | George D Taylor  | 02/23/2024 18:54   | Conrad Hartmann   | 2469068            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 21:52   | Vandana T. Nagar  | 2469060            |
| EPA 8270E          | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 22:20   | Vandana T. Nagar  | 2469060            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 22:22   | Vandana T. Nagar  | 2469061            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 22:51   | Vandana T. Nagar  | 2469061            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 22:52   | Vandana T. Nagar  | 2469063            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/22/2024 23:22   | Vandana T. Nagar  | 2469063            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/27/2024 22:03   | Vandana T. Nagar  | 2469060            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/27/2024 22:36   | Vandana T. Nagar  | 2469061            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/27/2024 23:08   | Vandana T. Nagar  | 2469063            |
|                    | 02/14/2024    | 02/20/2024 08:30 | Rasheda Ghaffari | 02/26/2024 20:27   | Arthur Maknenko   | 2469062            |
|                    | 02/14/2024    | 02/20/2024 08:30 | Rasheda Ghaffari | 02/26/2024 20:53   | Arthur Maknenko   | 2469064            |
|                    | 02/14/2024    | 02/20/2024 08:30 | Rasheda Ghaffari | 02/28/2024 18:16   | Julie Wi          | 2469064            |
|                    | 02/14/2024    | 02/26/2024 07:50 | Rasheda Ghaffari | 02/29/2024 01:08   | Vandana T. Nagar  | 2469062            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/20/2024 14:02   | Arthur Maknenko   | 2469060            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/20/2024 14:57   | Arthur Maknenko   | 2469061            |
|                    | 02/14/2024    | 02/15/2024 08:00 | Fe-Val Siddell   | 02/20/2024 15:53   | Arthur Maknenko   | 2469063            |
| EPA 8321B          | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman  | 02/14/2024 15:45   | Samatha Luckman   | 2469056            |
|                    | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman  | 02/14/2024 15:59   | Samatha Luckman   | 2469057            |
|                    | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman  | 02/14/2024 16:13   | Samatha Luckman   | 2469059            |
|                    | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman  | 02/14/2024 21:20   | Samatha Luckman   | 2469056            |
|                    | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman  | 02/14/2024 21:34   | Samatha Luckman   | 2469057            |

Preparation and Analysis Log

| Ref. Method    | Received Date | Prep Date/Time   | Prepared By     | Analysis Date/Time | Analyzed By       | Associated Samples |
|----------------|---------------|------------------|-----------------|--------------------|-------------------|--------------------|
| EPA 8321B      | 02/14/2024    | 02/14/2024 12:30 | Samatha Luckman | 02/14/2024 21:47   | Samatha Luckman   | 2469059            |
|                | 02/14/2024    | 02/15/2024 13:00 | Hoor Shaik      | 02/16/2024 19:56   | Juyoung Kim       | 2469056            |
|                | 02/14/2024    | 02/15/2024 13:00 | Hoor Shaik      | 02/16/2024 22:01   | Juyoung Kim       | 2469057            |
|                | 02/14/2024    | 02/15/2024 13:00 | Hoor Shaik      | 02/16/2024 22:18   | Juyoung Kim       | 2469059            |
|                | 02/14/2024    | 02/16/2024 09:00 | Hoor Shaik      | 02/17/2024 02:10   | Juyoung Kim       | 2469055            |
|                | 02/14/2024    | 02/16/2024 09:00 | Hoor Shaik      | 02/17/2024 02:28   | Juyoung Kim       | 2469058            |
| SM 2340 B-2011 | 02/14/2024    |                  |                 | 02/20/2024 22:17   | McKinley C Carter | 2469065            |
|                | 02/14/2024    |                  |                 | 02/20/2024 22:24   | McKinley C Carter | 2469066            |
|                | 02/14/2024    |                  |                 | 02/20/2024 22:32   | McKinley C Carter | 2469067            |
|                | 02/14/2024    |                  |                 | 02/20/2024 22:40   | McKinley C Carter | 2469068            |