Superfund Records Center
SITE:
BREAK:
OTHER:

# Section 3
# PCB Aroclor and Chlorinated Pesticide Results

## QA/QC Narratives
## Diet Tissue and QC Results

SDMS DocID 35739

# QA/QC Narratives

# PCB Aroclor/Pesticide QA/QC Summary
# QC Batch 01-571 – Earthworms

**PROJECT:** USACE NAE Delivery Order #01 Centredale

**PARAMETER:** PCB Aroclor and Chlorinated Pesticides

**LABORATORY:** Battelle, Duxbury, MA

**MATRIX:** Earthworms

**SAMPLE CUSTODY:** Earthworm samples were received at Battelle MSL on August 3, 2001. Earthworm samples were homogenized and a sub-sample shipped to Battelle Duxbury for PCB Aroclor and chlorinated pesticides analyses.

Earthworm homogenates were received at Battelle Duxbury on September 7, 2001. Samples arrived in good condition and the cooler temperature upon receipt was 1.7 °C.

**QA/QC MEASUREMENT PERFORMANCE CRITERIA:**

| | Reference Method | Blank | Surrogate Recovery | LCS/MS Recovery | SRM % Diff. | MS/MSD Replicate Relative Precision | Achieved RL (ng/g wet) | Project Goals * (ng/g wet) |
|---|---|---|---|---|---|---|---|---|
| PCB/ PEST | L-9 Battelle SOP 5-128 | <QL[a] | 40-125% Recovery | 40-120% Recovery [b] | ≤30% PD [c] | ≤30% RPD [b,d] | Aroclor: 9.14 to 16.7<br>Pest: 0.73 to 2.90<br>Technical Chlordane: 80.4 to 166<br>Toxaphene: 18.3 to 33.3 | Aroclor: 0.48 to 17<br>Pest: 0.0565 to 6020<br>Technical Chlordane: NA<br>Toxaphene: 0.873 |

[a] Or associated samples >10× blank values.
[b] For 90% of analytes; Analyte concentration in MS/MSD must be >5× background to be used for data quality assessment
[c] From a range of certified values; using surrogate corrected data; certified values in SRM must be >3× the detection limit to be used for data quality assessment
[d] Sample duplicate – detected values must be >3× the detection limit to be used for data quality assessment
* Project detection limit goals vary by analyte – see Worksheet #9b in the project QAPP (Battelle, 2001) for detection limit goals by analyte.

**METHOD:** Earthworm samples were prepared and analyzed for PCB Aroclor and chlorinated pesticides following methods described in Battelle's Quality Assurance Project Plan (Battelle, 2001). Briefly,

**Sample Preparation** – Tissues were extracted and cleaned following procedures in Battelle SOP 5-190, which are methods developed by Battelle in support of NOAA's National Status and Trends Mussel Watch Project (Peven and Uhler, 1993a). Approximately 20-g of wet homogenate was weighed into a Teflon extraction jar, spiked with the appropriate surrogate internal standard (SIS) compounds, combined with 75 mL DCM and sodium sulfate, macerated with a Tissuemizer and centrifuged. The extract was decanted into an Erlenmeyer flask. This process was repeated a second time using an additional 75 mL DCM. A third extraction was performed on the

**METHOD (cont):**

sample using 50 mL DCM and shaking on a shaker table for approximately 30 minutes. The sample was then centrifuged a third time and the solvent decanted into the Erlenmeyer with the rest of the sample extract. The combined extract was dried over sodium sulfate and concentrated by Kuderna-Danish (KD) technique to approximately 10 mL. A measured aliquot of extract was removed for lipid determination (above). The remaining extract was concentrated to approximately 2 to 3 mLs and processed through an alumina column (40 g F20 2% deactivated) and HPLC cleanup.

The post-HPLC extract was concentrated under nitrogen, solvent exchanged into hexane to approximately 1 mL, and spiked with recovery internal standard (RIS) compounds. The extract was transferred to GC/ECD for chlorinated pesticides /PCB Aroclors analysis.

**GC/ECD Analysis** – PCB Aroclors and chlorinated pesticides were analyzed by GC/ECD (Hewlett Packard 5890 Series 2 GC) using a 60-m DB5 column and hydrogen as the carrier gas. A minimum of a five-point calibration curve was used for pesticide analysis ranging from approximately 0.008 to 0.3 µg/mL. A single point calibration at approximately 2 µg/mL was used for Technical Chlordane and PCB Aroclors analysis. And a single point calibration at approximately 4 µg/mL was used for Toxaphene analysis

**Sample Interferences** – Chlordane concentrations reported should be considered estimates given that many samples had interfering negative peaks eluting closely with chlordane(s).

**Total Aroclor** – was determined as the most predominant Aroclor formulation, or mixture of two major Aroclor formulations. The predominant Aroclor formulation (>70%) was Aroclor 1254, with relatively lower levels of Aroclor 1268.

**HOLDING TIMES:**

Samples were prepared for analysis in one analytical batch. Samples were extracted within 3 months of collection and analyzed within 21 days of extraction.

| Batch | Extraction Date | Analysis Date |
|---|---|---|
| 01-571 | 10/30/2001 | 11/17 – 20/2001 |

**DETECTION LIMITS:**

PCB Aroclor and chlorinated pesticide results are reported relative to the sample-specific reporting limits (also referred to as QL in the QAPP) for that compound. The sample-specific RL is based on the low calibration standard and adjusted for sample specific processing factors and volumes, as follow:

RL = (Concentration in Low Std. × final extract volume × dilution factors)/ Sample size

Where,

Concentration in Low Std. = approximately 0.008 µg/mL for pesticides and PCB congeners; 1 µg/mL Technical Chlordane; 0.1 µg/mLfor Aroclor; and 0.2 µg/mL for Toxaphene**
Final Extract Volume = 1,100 µL
Dilution Factor = approximately 1.7
Sample Size = approximately 20-g wet (5.06 for SRM)

** Note that a mid-level, single point calibration was analyzed for Technical Chlordane (2 µg/mL), PCB Aroclor (2 µg/mL) and Toxaphene (4 µg/mL). However, the RL was based on the low range of the calibration curve, which was not analyzed with the samples. A full curve (for Technical Chlordane and Aroclor) had been analyzed within

**DETECTION LIMITS (cont):**

3-months of the samples, thereby demonstrating that the instrument is sensitive at a lower level. Calculation of RLs is consistent with the methods specified in the QAPP (see Worksheet #9b).

Achieved RLs for most pesticides either met or were below the project detection limit goals. Achieved RLs for PCB Aroclor and Toxaphene did not meet the project detection limit goals. As noted in the QAPP, the project detection limit goals are provided for perspective rather than as a requirement for the analytical methods. If detection limits cannot be achieved, this will be addressed in the uncertainty discussions in the risk assessment.

**BLANKS:**

One laboratory procedural blank (PB) was prepared with the analytical batch. The blank was analyzed to ensure that the sample extraction and analysis methods were free of contamination.

**01-571** – PCB Aroclors/chlorinated pesticides were undetected in the laboratory blank.

**LABORATORY CONTROL SAMPLE**

Two laboratory control samples (LCS) were prepared with the analytical batch. One LCS sample was fortified with PCB congeners and chlorinated pesticides. The other LCS was fortified with PCB Aroclor 1016 and 1260. The percent recoveries of PCB Aroclor and chlorinated pesticides were calculated to measure data quality in terms of accuracy.

**01-571** – With the single exception of Endosulfan II, PCB Aroclor and chlorinated pesticides were recovered within the control limits specified in QAPP.

Recoveries ranged from:

| | Pesticides | PCB Aroclor |
|---|---|---|
| ZM35LCS#1 | 36 – 81% | not spiked |
| ZM36LCS#2 | not spiked | 57 – 75% |

***Correction Action*** – Endosulfan II was recovered at 36%, just below the lower limit of the measurement performance criteria (MPC). The chromatograms were reviewed and the reason for the low recovery was not evident. Sample data for Endrin aldehyde should be considered biased low.

**MATRIX SPIKES:**

A matrix spike (MS)/matrix spike duplicate (MSD) sample was prepared with the analytical batch. Chlorinated pesticides and PCB congeners were fortified into the MS/MSD, not Aroclor. Aroclor was only fortified into the LCS sample in accordance with the QAPP.

The percent recoveries of pesticides in the MS/MSD were calculated to measure data quality in terms of accuracy. The relative percent difference (RPD) between percent recoveries of pesticides in the MS and MSD were calculated to measure data quality in terms of precision.

**01-571** – 15 out of 20 pesticides were recovered in the MS within the QC limits specified in the QAPP. 10 out of 20 pesticides were recovered in the MSD within the QC limits specified in the QAPP.

Recoveries ranged from:

| | Pesticides |
|---|---|
| ZM37MS | 27 – 127% |
| ZM38MSD | 15 – 77% |
| RPDs | 0.8 – 60.0% |

QC exceedences included:

- 4,4'-DDT – 127% in the MS
- Endosulfan I – 27% and 20% in the MS and MSD, respectively
- Endosulfan II –32% in the MSD
- Endrin aldehyde – 27% in the MSD
- Gamma-BHC – 36% and 27% in the MS and MSD, respectively
- Heptachlor – 27% and 15% in the MS and MSD, respectively
- Heptachlor epoxide – 37% and 24% in the MS and MSD, respectively
- Aldrin – 33% in the MSD
- Alpha-BHC – 31% in the MSD
- Beta-BHC – 33% in the MSD
- Delta-BHC – 32% in the MSD

***Correction Action*** –The chromatograms and peak integrations for QC exceedences identified above were reviewed, but no cause for the under-recovery was apparent with the exception of negative peaks. The under-recovery may be related to lab or matrix related interferences. Note that with the exception of Endosulfan I in the LCS, all other QC samples prepared with the batch met QC criteria (e.g., LCS, SRM, sample duplicate).

# PCB Aroclor/Pesticide QA/QC Summary
# QC Batch 01-571 – Earthworms

**SURROGATES:** Four PCB surrogate compounds were added to each sample prior to extraction, including PCBs 14, 34, 104, and 112. Recovery data for PCBs 34 and 112 were calculated to measure data quality in terms of accuracy (extraction efficiency). Recovery data for the other two PCB surrogate compounds are not reported, as these are used as alternative surrogates in cases of interferences.

**01-571** – PCB34 was under-recovered in 5 study samples; PCB112 was under-recovered in 3 study samples.

***Correction Action*** – The under-recovery of PCB34 and PCB112 appears to be sample related and associated with interferences from co-eluting PCBs and/or Technical Chlordane. Note that all laboratory QC samples (e.g, blank, LCS, SRM) had acceptable recoveries of both PCB surrogates.

Three samples had low recoveries of both PCB surrogate compounds, including:

- (1) CMS-EW-4003-0000-01 (Battelle ID W6545)
- CMS-EW-4003-0000-01 (Battelle ID W6545DUP)
- (1) CMS-EW-4005-0000-01 (Battelle ID W6546)

CMS-EW-4003-0000-01 and CMS-EW-4005-0000-01 will be re-extracted provided sufficient material is available for re-extraction. The sample duplicate will not be re-extracted. (1) Re-extract results rpt'd with batch 01-672. DTDahlen 6/21/02

**REPLICATES:** A laboratory duplicate was prepared with the batch. The RPD between laboratory replicate analyses for PCB Aroclor and chlorinated pesticides was calculated to measure data quality in terms of precision.

**01-571** – RPDs were within the control limits specified in the QAPP for all target compounds.

RPDs ranged from:

| | Pesticides | PCB Aroclor |
|---|---|---|
| Duplicate | 1.4 – 14.3% | 0.6 – 7.1% |

**SRM:** A standard reference material (SRM, NIST 1974a) was prepared with each analytical batch. The percent difference (PD) between detected concentrations and certified values (lower and upper range) was calculated to measure data quality in terms of accuracy. ***Note*** – if the detected value fell within the certified range, then the PD is 0.0%.

**01-571** – All 5 certified pesticides had PD values < 30%.

PDs ranged from:

| | Certified Pesticides |
|---|---|
| ZM39SRM | 0.0 – 23.7% |

**REFERENCES:** Battelle 2001. *Centredale Manor Restoration Project Superfund Site Baseline Risk Assessment, Initial Project Planning and Support.* Tasks 19-22 QAPP prepared under contract to USACE NAE. Delivery Order #59. May 23, 2001. 509pp + apps.

# PCB Aroclor/Pesticide QA/QC Summary
# QC Batch 01-587 – Crayfish

**PROJECT:** USACE NAE Delivery Order #01 Centredale

**PARAMETER:** PCB Aroclor and Chlorinated Pesticides

**LABORATORY:** Battelle, Duxbury, MA

**MATRIX:** Crayfish

**SAMPLE CUSTODY:** Crayfish samples were received at Battelle MSL on July 21, 2001. Earthworm samples were homogenized and a sub-sample shipped to Battelle Duxbury for PCB Aroclor and chlorinated pesticides analyses.

Crayfish homogenates were received at Battelle Duxbury on August 31, 2001. Samples arrived after normal business hours and were not logged into the laboratory until September 3, 2001. The cooler was at room temperature upon login. Battelle contacted EPA and a decision was made to use the samples for analysis even though they were received outside temperature specifications.

Note that Battelle Columbus also received crayfish splits that were received and stored properly. A split from three of the Battelle Columbus crayfish samples was received at Battelle Duxbury on September 21, 2001. Samples were received in good temperature and the cooler temperature upon receipt was 2.6 °C. Samples were analyzed with the crayfish samples received outside of temperature specifications and the results compared to determine impact on data. Results from the comparison check suggest that the impact on data was not significant, given that the relative percent difference between concentrations of PCB Aroclor/pesticides detected at levels above the laboratory reporting limit were <20% for 2 out of 3 the splits <30% for 1 out of 3 of the splits.

**QA/QC MEASUREMENT PERFORMANCE CRITERIA:**

| | Reference Method | Blank | Surrogate Recovery | LCS/MS Recovery | SRM % Diff. | MS/MSD Replicate Relative Precision | Achieved RL (ng/g wet) | Project Goals * (ng/g wet) |
|---|---|---|---|---|---|---|---|---|
| PCB/ PEST | L-9 Battelle SOP 5-128 | <QL[a] | 40-125% Recovery | 40-120% Recovery [b] | ≤30% PD [c] | ≤30% RPD [b,d] | Aroclor: 9.41 to 28.2<br>Pest: 0.75 to 2.94<br>Technical Chlordane: 94.1 to 282<br>Toxaphene: 18.8 to 56.4 | Aroclor: 0.48 to 17<br>Pest: 0.0565 to 6020<br>Technical Chlordane: NA<br>Toxaphene: 0.873 |

[a] Or associated samples >10× blank values.
[b] For 90% of analytes; Analyte concentration in MS/MSD must be >5× background to be used for data quality assessment
[c] From a range of certified values; using surrogate corrected data; certified values in SRM must be >3× the detection limit to be used for data quality assessment
[d] Sample duplicate – detected values must be >3× the detection limit to be used for data quality assessment
* Project detection limit goals vary by analyte – see Worksheet #9b in the project QAPP (Battelle, 2001) for detection limit goals by analyte.

# PCB Aroclor/Pesticide QA/QC Summary
# QC Batch 01-587 – Crayfish

**METHOD:**

Earthworm samples were prepared and analyzed for PCB Aroclor and chlorinated pesticides following methods described in Battelle's Quality Assurance Project Plan (Battelle, 2001). Briefly,

**Sample Preparation** – Tissues were extracted and cleaned following procedures in Battelle SOP 5-190, which are methods developed by Battelle in support of NOAA's National Status and Trends Mussel Watch Project (Peven and Uhler, 1993a). Approximately 20-g of wet homogenate (6 to 8-g wet for the Columbus splits) was weighed into a Teflon extraction jar, spiked with the appropriate surrogate internal standard (SIS) compounds, combined with 75 mL DCM and sodium sulfate, macerated with a Tissuemizer and centrifuged. The extract was decanted into an Erlenmeyer flask. This process was repeated a second time using an additional 75 mL DCM. A third extraction was performed on the sample using 50 mL DCM and shaking on a shaker table for approximately 30 minutes. The sample was then centrifuged a third time and the solvent decanted into the Erlenmeyer with the rest of the sample extract. The combined extract was dried over sodium sulfate and concentrated by Kuderna-Danish (KD) technique to approximately 10 mL. A measured aliquot of extract was removed for lipid determination (above). The remaining extract was concentrated to approximately 2 to 3 mLs and processed through an alumina column (40 g F20 2% deactivated) and HPLC cleanup.

The post-HPLC extract was concentrated under nitrogen, solvent exchanged into hexane to approximately 1 mL, and spiked with recovery internal standard (RIS) compounds. The extract was transferred to GC/ECD for chlorinated pesticides /PCB Aroclors analysis.

**GC/ECD Analysis** – PCB Aroclors and chlorinated pesticides were analyzed by GC/ECD (Hewlett Packard 5890 Series 2 GC) using a 60-m DB5 column and hydrogen as the carrier gas. A minimum of a five-point calibration curve was used for pesticide analysis ranging from approximately 0.008 to 0.3 µg/mL. A single point calibration at approximately 2 µg/mL was used for Technical Chlordane and PCB Aroclors analysis. And a single point calibration at approximately 4 µg/mL was used for Toxaphene analysis

**Total Aroclor** – was determined as the most predominant Aroclor formulation, or mixture of two major Aroclor formulations. With few exceptions, the predominant Aroclor formulation (>75%) was Aroclor 1254, with relatively lower levels of Aroclor 1268.

**HOLDING TIMES:**

Samples were prepared for analysis in one analytical batch. Samples were extracted within 3 months of collection and analyzed within 15 days of extraction.

| Batch | Extraction Date | Analysis Date |
|---|---|---|
| 01-587 | 11/08/2001 | 11/20 – 23/2001 |

**DETECTION LIMITS:**

PCB Aroclor and chlorinated pesticide results are reported relative to the sample-specific reporting limits (also referred to as QL in the QAPP) for that compound. The sample-specific RL is based on the low calibration standard and adjusted for sample specific processing factors and volumes, as follow:

RL = (Concentration in Low Std. × final extract volume × dilution factors)/ Sample size

Where,

Concentration in Low Std. = approximately 0.008 µg/mL for pesticides and PCB congeners; 1 µg/mL Technical Chlordane; 0.1 µg/mLfor Aroclor; and 0.2 µg/mL for Toxaphene**
Final Extract Volume = 1,100 µL
Dilution Factor = approximately 1.7
Sample Size = ranged from 4.99 (SRM) to 20.15-g wet

** Note that a mid-level, single point calibration was analyzed for Technical Chlordane (2 µg/mL), PCB Aroclor (2 µg/mL) and Toxaphene (4 µg/mL). However, the RL was based on the low range of the calibration curve, which was not analyzed with the samples. A full curve (for Technical Chlordane and Aroclor) had been analyzed within 3-months of the samples, thereby demonstrating that the instrument is sensitive at a lower level. Calculation of RLs is consistent with the methods specified in the QAPP (see Worksheet #9b).

Achieved RLs for most pesticides either met or were below the project detection limit goals. Achieved RLs for PCB Aroclor and Toxaphene did not meet the project detection limit goals. As noted in the QAPP, the project detection limit goals are provided for perspective rather than as a requirement for the analytical methods. If detection limits cannot be achieved, this will be addressed in the uncertainty discussions in the risk assessment.

**BLANKS:**

One laboratory procedural blank (PB) was prepared with the analytical batch. The blank was analyzed to ensure that the sample extraction and analysis methods were free of contamination.

**01-587** – PCB Aroclors/chlorinated pesticides were undetected in the laboratory blank.

**LABORATORY CONTROL SAMPLE**

Two laboratory control samples (LCS) were prepared with the analytical batch. One LCS sample was fortified with PCB congeners and chlorinated pesticides. The other LCS was fortified with PCB Aroclor 1016 and 1260. The percent recoveries of PCB Aroclor and chlorinated pesticides were calculated to measure data quality in terms of accuracy.

**01-587** – PCB Aroclor and chlorinated pesticides were recovered within the control limits specified in QAPP.

Recoveries ranged from:

| | Pesticides | PCB Aroclor |
|---|---|---|
| ZM92LCS#1 | 41 – 89% | not spiked |
| ZM93LCS#2 | not spiked | 64 – 80% |

**MATRIX SPIKES:** A matrix spike (MS)/matrix spike duplicate (MSD) sample was prepared with the analytical batch. Chlorinated pesticides and PCB congeners were fortified into the MS/MSD, not Aroclor. Aroclor was only fortified into the LCS sample in accordance with the QAPP.

The percent recoveries of pesticides in the MS/MSD were calculated to measure data quality in terms of accuracy. The relative percent difference (RPD) between percent recoveries of pesticides in the MS and MSD were calculated to measure data quality in terms of precision.

**01-587** – 19 out of 20 pesticides were recovered within the QC limits specified in the QAPP.

Recoveries ranged from:

| | Pesticides |
|---|---|
| ZM94MS | 28 – 106% |
| ZM95MSD | 33 – 110% |
| RPDs | 1.4 – 17.7% |

QC exceedences included:

- Endosulfan I – 28% and 33% in the MS and MSD, respectively

***Correction Action*** – The under-recovery of Endosulfan I appear to be sample related, and associated with a matrix interference that is causing low response of Endosulfan I in the MS/MSD. Sample data should be biased low for Endosulfan I. QC exceedences are flagged on the final report tables.

**SURROGATES:** Four PCB surrogate compounds were added to each sample prior to extraction, including PCBs 14, 34, 104, and 112. Recovery data for PCBs 34 and 112 were calculated to measure data quality in terms of accuracy (extraction efficiency). Recovery data for the other two PCB surrogate compounds are not reported, as these are used as alternative surrogates in cases of interferences.

**01-587** – PCB surrogates were recovered within the QC limits in all samples.

**REPLICATES:** A laboratory duplicate was prepared with the batch. The RPD between laboratory replicate analyses for PCB Aroclor and chlorinated pesticides was calculated to measure data quality in terms of precision.

**01-587** – RPDs were within the control limits specified in the QAPP for all target compounds detected at levels above three times the laboratory achieved RL.

RPDs ranged from:

| | Pesticides | PCB Aroclor |
|---|---|---|
| Duplicate | 2.3 – 53.3% | 29.4 – 42.2% |

Note that RPDs >30% are associated with compounds detected at levels below three times the laboratory achieved RL.

**SRM:** A standard reference material (SRM, NIST 1974a) was prepared with each analytical batch. The percent difference (PD) between detected concentrations and certified values (lower and upper range) was calculated to measure data quality in terms of accuracy. ***Note*** – if the detected value fell within the certified range, then the PD is 0.0%.

**01-587** – All 5 certified pesticides had PD values < 30%.

PDs ranged from:

| | Certified Pesticides |
|---|---|
| ZM96SRM | 0.0 – 23.9% |

**REFERENCES:**

Battelle 2001. *Centredale Manor Restoration Project Superfund Site Baseline Risk Assessment, Initial Project Planning and Support.* Tasks 19-22 QAPP prepared under contract to USACE NAE. Delivery Order #59. May 23, 2001. 509pp + apps.

# Diet Tissue and QC Results

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 96.14 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.23 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 9.61 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 76.91 | ng/g - wet wt | U |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 60 | %RECOVERY | |
| NA | ZM34PB | BATD | P_BLANK | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 77 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 81 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 60 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 52 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 63 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 57 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 36 | %RECOVERY | & |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 59 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 58 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 72 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 64 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 52 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 0.77 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 96.14 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 19.23 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 9.61 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | 76.91 | | 1.667 | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | | | | NA | | 19.07 | G_WET | | | | T |
| NA | ZM34PB | | | | | NA | | 19.07 | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 56 | %RECOVERY | |
| NA | ZM35LCS#1 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 104 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 55 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 136 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 48 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 43 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 44 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 45 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 45 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 28 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 53 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 87 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 62 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 45 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 88 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 38 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 54 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 29 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 40 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 90 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 57 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM37MS | BATD | MS | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 64 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 35 | %RECOVERY | - |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 91 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 36 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 33 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 23 | %RECOVERY | - |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 35 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 34 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 61 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 21 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 34 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 71 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 62 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 29 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 62 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 29 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 34 | %RECOVERY | - |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 15 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 25 | %RECOVERY | & |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | | NA | | NA | G_WET | | | | T |
| NA | ZM35LCS#1 | | | | | NA | | NA | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | 2.223 | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM37MS | | | | | 82.33 | | 20.40 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 82 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 46 | %RECOVERY | |
| RWR-EW-5002-0000-01 | ZM38MSD | BATD | MSD | 07/16/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 69 | %RECOVERY | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 9.9 | %DIFFERENCE | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.0 | %DIFFERENCE | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 23.7 | %DIFFERENCE | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.0 | %DIFFERENCE | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 14.0 | %DIFFERENCE | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 69 | %RECOVERY | |
| NA | ZM39SRM | BATD | SRM | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.60 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.95 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 2.03 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.91 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.83 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.32 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 2.76 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.67 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 77.50 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.16 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 47.83 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 6.03 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 53.86 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 39 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 38 | %RECOVERY | & |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.00 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.66 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | 2.223 | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | | 82.44 | | 20.61 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | ZM38MSD | | | | | 82.44 | | 20.61 | G_WET | | | | T |
| NA | ZM39SRM | | | | 1.667 | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | 1.667 | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | 1.667 | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | 1.667 | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | 1.667 | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | | 88.61 | | 5.06 | G_WET | | | | T |
| NA | ZM39SRM | | | | | 88.61 | | 5.06 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 0.77 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 95.78 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 19.16 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 9.58 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | 76.62 | | 1.724 | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | | | | 82.64 | | 19.80 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545DUP | | | | | 82.64 | | 19.80 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 1.00 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 1.66 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.37 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.67 | ng/g - wet wt | J |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.23 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 32.05 | ng/g - wet wt | J |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.72 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 34.76 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.36 | ng/g - wet wt | U |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 9.77 | ng/g - wet wt | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 44.53 | ng/g - wet wt | J |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 51 | %RECOVERY | |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 60 | %RECOVERY | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.70 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.02 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.76 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.96 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.77 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.22 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 2.85 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.66 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 4.00 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 79.89 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.12 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 48.55 | ng/g - wet wt | |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.56 | ng/g - wet wt | U |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.62 | ng/g - wet wt | J |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 54.18 | ng/g - wet wt | J |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 1.37 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.67 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 1.23 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5002-0000-01 | W6537 | | 0.75 | | 1.724 | 80.56 | | 20.26 | G_WET | 0.75 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 93.60 | | 1.724 | 80.56 | | 20.26 | G_WET | 32.05 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | 18.72 | | 1.724 | 80.56 | | 20.26 | G_WET | 18.72 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 34.76 | | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.36 | U | | T |
| RWR-EW-5002-0000-01 | W6537 | | 9.36 | | 1.724 | 80.56 | | 20.26 | G_WET | 9.77 | | | T |
| RWR-EW-5002-0000-01 | W6537 | | 74.88 | | 1.724 | 80.56 | | 20.26 | G_WET | 44.53 | J | | T |
| RWR-EW-5002-0000-01 | W6537 | | | | | 80.56 | | 20.26 | G_WET | | | | T |
| RWR-EW-5002-0000-01 | W6537 | | | | | 80.56 | | 20.26 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 1.70 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 2.02 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 1.76 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 1.96 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 2.77 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 2.22 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 2.85 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.76 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 0.66 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 0.76 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 4.00 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 95.58 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 79.89 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 19.12 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 19.12 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 48.55 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 9.56 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545 | | 9.56 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 5.62 | J | | T |
| CMS-EW-4003-0000-01 | W6545 | | 76.47 | | 1.724 | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | 54.18 | J | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 32 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 37 | %RECOVERY | & |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.49 | ng/g - wet wt | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.92 | ng/g - wet wt | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.05 | ng/g - wet wt | J |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 1.33 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 29.15 | ng/g - wet wt | J |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 33.30 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 36.22 | ng/g - wet wt | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 16.65 | ng/g - wet wt | U |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 12.87 | ng/g - wet wt | J |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 49.09 | ng/g - wet wt | J |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 58 | %RECOVERY | |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 75 | %RECOVERY | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 2.05 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.90 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.45 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.84 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.44 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.32 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 52.60 | ng/g - wet wt | J |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.26 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | W6545 | | | | | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545 | | | | | 81.09 | Sample re-extracted with SDG 01-672 | 19.84 | G_WET | | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.49 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.89 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.92 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | UJ | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.05 | J | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.33 | | 1.724 | 88.16 | | 11.39 | G_WET | 1.33 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 166.50 | | 1.724 | 88.16 | | 11.39 | G_WET | 29.15 | J | | T |
| RWR-EW-5001-0000-01 | W6536 | | 33.30 | | 1.724 | 88.16 | | 11.39 | G_WET | 33.30 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 36.22 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 16.65 | U | | T |
| RWR-EW-5001-0000-01 | W6536 | | 16.65 | | 1.724 | 88.16 | | 11.39 | G_WET | 12.87 | J | | T |
| RWR-EW-5001-0000-01 | W6536 | | 133.20 | | 1.724 | 88.16 | | 11.39 | G_WET | 49.09 | J | | T |
| RWR-EW-5001-0000-01 | W6536 | | | | | 88.16 | | 11.39 | G_WET | 58 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | | | | 88.16 | | 11.39 | G_WET | 75 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 2.05 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 1.90 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 1.45 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.84 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | UJ | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 1.44 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 1.32 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 0.77 | | 1.724 | 79.61 | | 19.69 | G_WET | 0.77 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 96.31 | | 1.724 | 79.61 | | 19.69 | G_WET | 52.60 | J | | T |
| RWR-EW-5003-0000-01 | W6538 | | 19.26 | | 1.724 | 79.61 | | 19.69 | G_WET | 19.26 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 58.75 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.63 | ng/g - wet wt | U |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 12.08 | ng/g - wet wt | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 70.83 | ng/g - wet wt | J |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 48 | %RECOVERY | |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 54 | %RECOVERY | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.81 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.40 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 2.42 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.01 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 1.35 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.03 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.52 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.31 | ng/g - wet wt | J |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 48.37 | ng/g - wet wt | J |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.84 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 25.90 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 10.81 | ng/g - wet wt | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 36.72 | ng/g - wet wt | J |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 102 | %RECOVERY | |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/18/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 41 | %RECOVERY | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.04 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.61 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.11 | ng/g - wet wt | J |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.06 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 1.19 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.39 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.85 | ng/g - wet wt | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 58.75 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 9.63 | U | | T |
| RWR-EW-5003-0000-01 | W6538 | | 9.63 | | 1.724 | 79.61 | | 19.69 | G_WET | 12.08 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 77.05 | | 1.724 | 79.61 | | 19.69 | G_WET | 70.83 | J | | T |
| RWR-EW-5003-0000-01 | W6538 | | | | | 79.61 | | 19.69 | G_WET | 48 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | | | | 79.61 | | 19.69 | G_WET | 54 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.81 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 1.40 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 2.42 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 1.01 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 1.35 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | UJ | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 2.03 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 1.52 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.31 | J | | T |
| RWR-EW-5004-0000-01 | W6539 | | 0.75 | | 1.724 | 81.14 | | 20.13 | G_WET | 0.75 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 94.21 | | 1.724 | 81.14 | | 20.13 | G_WET | 48.37 | J | | T |
| RWR-EW-5004-0000-01 | W6539 | | 18.84 | | 1.724 | 81.14 | | 20.13 | G_WET | 18.84 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 25.90 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 9.42 | U | | T |
| RWR-EW-5004-0000-01 | W6539 | | 9.42 | | 1.724 | 81.14 | | 20.13 | G_WET | 10.81 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 75.37 | | 1.724 | 81.14 | | 20.13 | G_WET | 36.72 | J | | T |
| RWR-EW-5004-0000-01 | W6539 | | | | | 81.14 | | 20.13 | G_WET | | | | T |
| RWR-EW-5004-0000-01 | W6539 | | | | | 81.14 | | 20.13 | G_WET | | | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 1.04 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 2.61 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.11 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 1.06 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 1.19 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 1.39 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.85 | J | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.30 | ng/g - wet wt | J |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 27.02 | ng/g - wet wt | J |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.89 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 53.26 | ng/g - wet wt | |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.44 | ng/g - wet wt | U |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 6.82 | ng/g - wet wt | J |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 60.09 | ng/g - wet wt | J |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 39 | %RECOVERY | & |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 57 | %RECOVERY | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.81 | ng/g - wet wt | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.11 | ng/g - wet wt | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 3.17 | ng/g - wet wt | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.41 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.02 | ng/g - wet wt | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.06 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.90 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.37 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 22.86 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 22.56 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 24.44 | ng/g - wet wt | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 11.28 | ng/g - wet wt | U |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 2.13 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 26.58 | ng/g - wet wt | J |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 45 | %RECOVERY | |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 2.17 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 5.24 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 7.17 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 2.91 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.86 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.30 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 0.76 | | 1.724 | 80.59 | | 20.08 | G_WET | 0.76 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 94.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 27.02 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 18.89 | | 1.724 | 80.59 | | 20.08 | G_WET | 18.89 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 53.26 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 9.44 | UJ | | T |
| LPX-EW-4004-0000-01 | W6540 | | 9.44 | | 1.724 | 80.59 | | 20.08 | G_WET | 6.82 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | 75.55 | | 1.724 | 80.59 | | 20.08 | G_WET | 60.09 | J | | T |
| LPX-EW-4004-0000-01 | W6540 | | | | | 80.59 | | 20.08 | G_WET | | | | T |
| LPX-EW-4004-0000-01 | W6540 | | | | | 80.59 | | 20.08 | G_WET | | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 1.81 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 1.11 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 3.17 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.41 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.9 | UJ | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 1.02 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.06 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.90 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 0.90 | | 1.724 | 86.55 | | 16.81 | G_WET | 0.37 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | 112.81 | | 1.724 | 86.55 | | 16.81 | G_WET | 22.86 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | 22.56 | | 1.724 | 86.55 | | 16.81 | G_WET | 22.56 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 11.28 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 11.28 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 11.28 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 11.28 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 24.44 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 11.28 | U | | T |
| LPX-EW-4006-0000-01 | W6541 | | 11.28 | | 1.724 | 86.55 | | 16.81 | G_WET | 2.13 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | 90.25 | | 1.724 | 86.55 | | 16.81 | G_WET | 26.58 | J | | T |
| LPX-EW-4006-0000-01 | W6541 | | | | | 86.55 | | 16.81 | G_WET | 45 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | | | | 86.55 | | 16.81 | G_WET | 85 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 2.17 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 5.24 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 7.17 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 2.91 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.86 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 3.01 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.73 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.86 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 2.13 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 76.61 | ng/g - wet wt | J |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.29 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 26.36 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.14 | ng/g - wet wt | U |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 12.90 | ng/g - wet wt | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 39.25 | ng/g - wet wt | J |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 47 | %RECOVERY | |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 82 | %RECOVERY | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 3.71 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.00 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 3.18 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.87 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.40 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 4.36 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.13 | ng/g - wet wt | J |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.80 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 117.20 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.90 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 115.84 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.95 | ng/g - wet wt | U |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.89 | ng/g - wet wt | J |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 121.73 | ng/g - wet wt | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 45 | %RECOVERY | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.45 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.30 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | UJ | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.87 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 3.01 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.73 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 0.86 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 0.73 | | 1.724 | 81.67 | | 20.74 | G_WET | 2.13 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 91.44 | | 1.724 | 81.67 | | 20.74 | G_WET | 76.61 | J | | T |
| LPX-EW-4007-0000-01 | W6542 | | 18.29 | | 1.724 | 81.67 | | 20.74 | G_WET | 18.29 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 26.36 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 9.14 | U | | T |
| LPX-EW-4007-0000-01 | W6542 | | 9.14 | | 1.724 | 81.67 | | 20.74 | G_WET | 12.90 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 73.15 | | 1.724 | 81.67 | | 20.74 | G_WET | 39.25 | J | | T |
| LPX-EW-4007-0000-01 | W6542 | | | | | 81.67 | | 20.74 | G_WET | 47 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | | | | 81.67 | | 20.74 | G_WET | 82 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 3.71 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 3.00 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 3.18 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 2.87 | J | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.8 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.8 | UJ | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 2.40 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 4.36 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.80 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.13 | J | | T |
| CMS-EW-4001-0000-01 | W6543 | | 0.80 | | 1.724 | 84.75 | | 19.06 | G_WET | 0.8 | UJ | | T |
| CMS-EW-4001-0000-01 | W6543 | | 99.50 | | 1.724 | 84.75 | | 19.06 | G_WET | 117.20 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 19.90 | | 1.724 | 84.75 | | 19.06 | G_WET | 19.90 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 115.84 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 9.95 | U | | T |
| CMS-EW-4001-0000-01 | W6543 | | 9.95 | | 1.724 | 84.75 | | 19.06 | G_WET | 5.89 | J | | T |
| CMS-EW-4001-0000-01 | W6543 | | 79.60 | | 1.724 | 84.75 | | 19.06 | G_WET | 121.73 | J | | T |
| CMS-EW-4001-0000-01 | W6543 | | | | | 84.75 | | 19.06 | G_WET | | | | T |
| CMS-EW-4001-0000-01 | W6543 | | | | | 84.75 | | 19.06 | G_WET | | | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 1.45 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 2.30 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 2.06 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.97 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 4.26 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.97 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.77 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 1.27 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 3.03 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 59.51 | ng/g - wet wt | J |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.16 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 76.33 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.58 | ng/g - wet wt | U |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.80 | ng/g - wet wt | J |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 81.14 | ng/g - wet wt | |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 39 | %RECOVERY | & |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/19/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 50 | %RECOVERY | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 4.21 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.96 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.40 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 3.05 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.66 | ng/g - wet wt | J |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.82 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.52 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 5.18 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.13 | ng/g - wet wt | J |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 119.24 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.83 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 92.50 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.42 | ng/g - wet wt | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 2.06 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 2.97 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 4.26 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 1.97 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 0.77 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 1.27 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 0.77 | | 1.724 | 84.21 | | 19.80 | G_WET | 3.03 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 95.78 | | 1.724 | 84.21 | | 19.80 | G_WET | 59.51 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 19.16 | | 1.724 | 84.21 | | 19.80 | G_WET | 19.16 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 9.58 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 9.58 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 9.58 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 9.58 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 76.33 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 9.58 | UJ | | T |
| CMS-EW-4002-0000-01 | W6544 | | 9.58 | | 1.724 | 84.21 | | 19.80 | G_WET | 4.80 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | 76.62 | | 1.724 | 84.21 | | 19.80 | G_WET | 81.14 | J | | T |
| CMS-EW-4002-0000-01 | W6544 | | | | | 84.21 | | 19.80 | G_WET | | | | T |
| CMS-EW-4002-0000-01 | W6544 | | | | | 84.21 | | 19.80 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 4.21 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 2.96 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 1.40 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 3.05 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.66 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 2.82 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 2.52 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 5.18 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.13 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 0.75 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 0.75 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 94.16 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 119.24 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 18.83 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 18.83 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 92.50 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 9.42 | UJ | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.40 | ng/g - wet wt | J |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 96.90 | ng/g - wet wt | |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 34 | %RECOVERY | & |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 37 | %RECOVERY | & |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 3.64 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.38 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 3.03 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 4.67 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 3.28 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 1.29 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 4.46 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.47 | ng/g - wet wt | J |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 2.30 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 121.11 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.76 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 165.27 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | ng/g - wet wt | U |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.94 | ng/g - wet wt | J |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 170.20 | ng/g - wet wt | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 46 | %RECOVERY | |
| CMS-DU-072001-A | W6547 | BATD | REPLICATE | 07/20/01 | 10/30/01 | 11/20/01 | | 01-571 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 55 | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDD | 50-29-3 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDE | 72-54-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | 4,4'-DDT | 72-55-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aldrin | 309-00-2 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-BHC | 319-84-6 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | alpha-Chlordane | 5103-71-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | beta-BHC | 319-85-7 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | delta-BHC | 319-86-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Dieldrin | 60-57-1 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan I | 959-98-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan II | 33213-65-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endosulfan Sulfate | 1031-07-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin | 72-20-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Aldehyde | 7421-93-4 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Endrin Ketone | 53494-70-5 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-BHC | 58-89-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | gamma-Chlordane | 5103-74-2 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor | 76-44-8 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Heptachlor Epoxide | 1024-57-3 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Methoxychlor | 72-43-5 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Technical chlordane | 57-74-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Toxaphene | 8001-35-2 | | BATD_SOP_5_128 | NA | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546 | | 9.42 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 4.40 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | 75.33 | | 1.724 | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | 96.90 | J | | T |
| CMS-EW-4005-0000-01 | W6546 | | | | | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546 | | | | | 80.36 | Sample re-extracted with SDG 01-672 | 20.14 | G_WET | | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 3.64 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 3.38 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 3.03 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 4.67 | J | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | UJ | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 3.28 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 1.29 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 4.46 | | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.75 | U | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 0.47 | J | | T |
| CMS-DU-072001-A | W6547 | | 0.75 | | 1.724 | 82.03 | | 20.22 | G_WET | 2.3 | J | | T |
| CMS-DU-072001-A | W6547 | | 93.79 | | 1.724 | 82.03 | | 20.22 | G_WET | 121.11 | | | T |
| CMS-DU-072001-A | W6547 | | 18.76 | | 1.724 | 82.03 | | 20.22 | G_WET | 18.76 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 165.27 | | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 9.38 | U | | T |
| CMS-DU-072001-A | W6547 | | 9.38 | | 1.724 | 82.03 | | 20.22 | G_WET | 4.94 | J | | T |
| CMS-DU-072001-A | W6547 | | 75.03 | | 1.724 | 82.03 | | 20.22 | G_WET | 170.20 | J | | T |
| CMS-DU-072001-A | W6547 | | | | | 82.03 | | 20.22 | G_WET | | | | T |
| CMS-DU-072001-A | W6547 | | | | | 82.03 | | 20.22 | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1016 | 12674-11-2 | | BATD_SOP_5_128 | 57 | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1221 | 1104-28-2 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1232 | 11141-16-5 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1242 | 53469-21-9 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1248 | 12672-29-6 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1254 | 11097-69-1 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1260 | 11096-82-5 | | BATD_SOP_5_128 | 75 | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Aroclor-1268 | 11100-14-4 | | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Total Aroclor | | | BATD_SOP_5_128 | 66 | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl3(34) | 37680-68-5 | | BATD_SOP_5_128 | 62 | %RECOVERY | |
| NA | ZM36LCS#2 | BATD | LCS | NA | 10/30/01 | 11/17/01 | | 01-571 | Cl5(112) | 74472-36-9 | | BATD_SOP_5_128 | 67 | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | | NA | | NA | G_WET | | | | T |
| NA | ZM36LCS#2 | | | | | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.87 | ng/g - wet wt | U | | 0.87 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 108.89 | ng/g - wet wt | U | | 108.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 21.78 | ng/g - wet wt | U | | 21.78 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 10.89 | ng/g - wet wt | U | | 10.89 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 87.11 | ng/g - wet wt | U | | 87.11 |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| NA | ZM91PB | BATD | P_BLANK | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 87 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 89 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 79 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 77 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 83 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 63 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 84 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 83 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 41 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 83 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 84 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 61 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | 1.667 | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | | NA | | 16.84 | G_WET | | | | T |
| NA | ZM91PB | | | NA | | 16.84 | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 77 | %RECOVERY | | | |
| NA | ZM92LCS#1 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 86 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 47 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 104 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 70 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 77 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 76 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 88 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 28 | %RECOVERY | & | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 106 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 88 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 43 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 89 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 65 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 72 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 57 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 97 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM94MS | BATD | MS | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 81 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 88 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 42 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 101 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 80 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 79 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 75 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 101 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 33 | %RECOVERY | & | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 81 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 110 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 101 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 47 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 95 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 67 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 69 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 61 | %RECOVERY | | | |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | | NA | | NA | G_WET | | | | T |
| NA | ZM92LCS#1 | | | NA | | NA | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | 1.667 | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM94MS | | | 76.05 | | 10.63 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 104 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 66 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | ZM95MSD | BATD | MSD | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 93 | %RECOVERY | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 23.9 | %DIFFERENCE | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.0 | %DIFFERENCE | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.4 | %DIFFERENCE | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 4.7 | %DIFFERENCE | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 8.9 | %DIFFERENCE | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 67 | %RECOVERY | | | |
| NA | ZM96SRM | BATD | SRM | NA | 11/08/01 | 11/21/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 80 | %RECOVERY | | | |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.10 | ng/g - wet wt | | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.11 | ng/g - wet wt | J | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 22.83 | ng/g - wet wt | J | | 95.34 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.07 | ng/g - wet wt | U | | 19.07 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 63.58 | ng/g - wet wt | | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 8.62 | ng/g - wet wt | J | | 9.53 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 72.19 | ng/g - wet wt | J | | 76.28 |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | | | |
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 72 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.33 | ng/g - wet wt | | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | 1.667 | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | | 76.94 | | 9.92 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | ZM95MSD | | | 76.94 | | 9.92 | G_WET | | | | T |
| NA | ZM96SRM | | 1.667 | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | 1.667 | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | 1.667 | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | 1.667 | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | 1.667 | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | | 89.40 | | 4.99 | G_WET | | | | T |
| NA | ZM96SRM | | | 89.40 | | 4.99 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | 1.724 | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5004-0000-01 | W6487DUP | | | 78.27 | | 19.89 | G_WET | | | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 3.33 | | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.12 | ng/g - wet wt | J | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 16.34 | ng/g - wet wt | J | | 95.01 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.00 | ng/g - wet wt | U | | 19.00 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 51.42 | ng/g - wet wt | | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.50 | ng/g - wet wt | U | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.04 | ng/g - wet wt | J | | 9.50 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 56.47 | ng/g - wet wt | J | | 76.01 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 57 | %RECOVERY | | | |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 87 | %RECOVERY | | | |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.17 | ng/g - wet wt | | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.06 | ng/g - wet wt | J | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 15.93 | ng/g - wet wt | J | | 95.30 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.06 | ng/g - wet wt | U | | 19.06 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 47.30 | ng/g - wet wt | | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.53 | ng/g - wet wt | U | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.61 | ng/g - wet wt | J | | 9.53 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 52.92 | ng/g - wet wt | J | | 76.24 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.12 | J | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | UJ | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 0.76 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 16.34 | J | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 19.00 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 51.42 | | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 9.50 | U | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 5.04 | J | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.724 | 75.80 | | 19.96 | G_WET | 56.47 | J | | T |
| RWR-CF-5003-0000-01 | W6478 | | | 75.80 | | 19.96 | G_WET | 57 | | | T |
| RWR-CF-5003-0000-01 | W6478 | | | 75.80 | | 19.96 | G_WET | 87 | | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 3.17 | | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.06 | J | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 0.76 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 15.93 | J | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 19.06 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 47.30 | | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 9.53 | U | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 5.61 | J | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.724 | 79.32 | | 19.90 | G_WET | 52.92 | J | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 60 | %RECOVERY | | | |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.81 | ng/g - wet wt | | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.60 | ng/g - wet wt | J | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.05 | ng/g - wet wt | | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.55 | ng/g - wet wt | J | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.22 | ng/g - wet wt | J | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 27.50 | ng/g - wet wt | J | | 95.15 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.03 | ng/g - wet wt | U | | 19.03 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 29.70 | ng/g - wet wt | | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 2.52 | ng/g - wet wt | J | | 9.52 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 32.22 | ng/g - wet wt | J | | 76.12 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 55 | %RECOVERY | | | |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 72 | %RECOVERY | | | |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.49 | ng/g - wet wt | J | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.42 | ng/g - wet wt | | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.43 | ng/g - wet wt | J | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.65 | ng/g - wet wt | J | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 19.68 | ng/g - wet wt | J | | 95.15 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.03 | ng/g - wet wt | U | | 19.03 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | W6487 | | | 79.32 | | 19.90 | G_WET | 60 | | | T |
| RWR-CF-5004-0000-01 | W6487 | | | 79.32 | | 19.90 | G_WET | 68 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 2.81 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.60 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 1.05 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.55 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.22 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 0.76 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 27.50 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 19.03 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 29.70 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 9.52 | U | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 2.52 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.724 | 77.45 | | 19.93 | G_WET | 32.22 | J | | T |
| LPX-CF-4002-0000-01 | W6476 | | | 77.45 | | 19.93 | G_WET | 55 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | | 77.45 | | 19.93 | G_WET | 72 | | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.49 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 3.42 | | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.43 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.65 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 0.76 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 19.68 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 19.03 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 101.12 | ng/g - wet wt | | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 7.61 | ng/g - wet wt | J | | 9.52 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 108.73 | ng/g - wet wt | | | 76.12 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 63 | %RECOVERY | | | |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/21/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 75 | %RECOVERY | | | |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 7.05 | ng/g - wet wt | | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 1.53 | ng/g - wet wt | U | | 1.53 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 22.41 | ng/g - wet wt | J | | 190.78 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 38.16 | ng/g - wet wt | U | | 38.16 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 23.28 | ng/g - wet wt | | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 19.08 | ng/g - wet wt | U | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.21 | ng/g - wet wt | J | | 19.08 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 28.49 | ng/g - wet wt | J | | 152.63 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 71 | %RECOVERY | | | |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 85 | %RECOVERY | | | |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 4.77 | ng/g - wet wt | | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.08 | ng/g - wet wt | J | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 101.12 | | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 9.52 | U | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 7.61 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.724 | 78.24 | | 19.93 | G_WET | 108.73 | J | | T |
| CMS-CF-4006-0000-01 | W6477 | | | 78.24 | | 19.93 | G_WET | 63 | | | T |
| CMS-CF-4006-0000-01 | W6477 | | | 78.24 | | 19.93 | G_WET | 75 | | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 7.05 | | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 1.53 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 22.41 | J | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 38.16 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 23.28 | | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 19.08 | U | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 5.21 | J | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.724 | 76.92 | | 9.94 | G_WET | 28.49 | J | | T |
| GMP-CF-5001-0000-01 | W6479 | | | 76.92 | | 9.94 | G_WET | 71 | | | T |
| GMP-CF-5001-0000-01 | W6479 | | | 76.92 | | 9.94 | G_WET | 85 | | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 4.77 | | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.08 | J | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 16.50 | ng/g - wet wt | J | | 94.11 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.82 | ng/g - wet wt | U | | 18.82 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 58.45 | ng/g - wet wt | | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.66 | ng/g - wet wt | J | | 9.41 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 63.10 | ng/g - wet wt | J | | 75.29 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 64 | %RECOVERY | | | |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 74 | %RECOVERY | | | |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.24 | ng/g - wet wt | J | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.38 | ng/g - wet wt | | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 16.45 | ng/g - wet wt | J | | 94.87 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.97 | ng/g - wet wt | U | | 18.97 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 72.66 | ng/g - wet wt | | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.54 | ng/g - wet wt | J | | 9.49 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 78.20 | ng/g - wet wt | | | 75.89 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 56 | %RECOVERY | | | |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 80 | %RECOVERY | | | |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.61 | ng/g - wet wt | | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 16.50 | J | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 18.82 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 58.45 | | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 4.66 | J | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.724 | 78.50 | | 20.15 | G_WET | 63.10 | J | | T |
| LPX-CF-4004-0000-01 | W6480 | | | 78.50 | | 20.15 | G_WET | 64 | | | T |
| LPX-CF-4004-0000-01 | W6480 | | | 78.50 | | 20.15 | G_WET | 74 | | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.24 | J | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 3.38 | | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 0.76 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 16.45 | J | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 18.97 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 72.66 | | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 9.49 | U | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 5.54 | J | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.724 | 77.71 | | 19.99 | G_WET | 78.20 | J | | T |
| CMS-CF-4007-0000-01 | W6481 | | | 77.71 | | 19.99 | G_WET | 56 | | | T |
| CMS-CF-4007-0000-01 | W6481 | | | 77.71 | | 19.99 | G_WET | 80 | | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 3.61 | | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.09 | ng/g - wet wt | J | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 8.83 | ng/g - wet wt | J | | 95.20 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.04 | ng/g - wet wt | U | | 19.04 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 10.34 | ng/g - wet wt | | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 0.69 | ng/g - wet wt | J | | 9.52 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 11.02 | ng/g - wet wt | J | | 76.16 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 55 | %RECOVERY | | | |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/22/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 75 | %RECOVERY | | | |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.78 | ng/g - wet wt | | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.28 | ng/g - wet wt | J | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.53 | ng/g - wet wt | J | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.09 | ng/g - wet wt | J | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 18.40 | ng/g - wet wt | J | | 95.15 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 19.03 | ng/g - wet wt | U | | 19.03 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 28.94 | ng/g - wet wt | | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.52 | ng/g - wet wt | U | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 8.99 | ng/g - wet wt | J | | 9.52 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 37.93 | ng/g - wet wt | J | | 76.12 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 67 | %RECOVERY | | | |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 78 | %RECOVERY | | | |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.23 | ng/g - wet wt | J | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.76 | ng/g - wet wt | | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.09 | J | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.76 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 8.83 | J | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 19.04 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 10.34 | | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 9.52 | U | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 0.69 | J | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.724 | 77.15 | | 19.92 | G_WET | 11.02 | J | | T |
| RAB-CF-5004-0000-01 | W6482 | | | 77.15 | | 19.92 | G_WET | 55 | | | T |
| RAB-CF-5004-0000-01 | W6482 | | | 77.15 | | 19.92 | G_WET | 75 | | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 3.78 | | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.28 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.53 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.09 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 0.76 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 18.40 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 19.03 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 9.52 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 9.52 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 9.52 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 9.52 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 28.94 | | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 9.52 | U | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 8.99 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.724 | 74.19 | | 19.93 | G_WET | 37.93 | J | | T |
| GMP-CF-5002-0000-01 | W6483 | | | 74.19 | | 19.93 | G_WET | 67 | | | T |
| GMP-CF-5002-0000-01 | W6483 | | | 74.19 | | 19.93 | G_WET | 78 | | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.23 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 3.76 | | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.12 | ng/g - wet wt | J | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.63 | ng/g - wet wt | J | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 18.58 | ng/g - wet wt | J | | 94.91 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.98 | ng/g - wet wt | U | | 18.98 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 96.34 | ng/g - wet wt | | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 5.94 | ng/g - wet wt | J | | 9.49 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 102.28 | ng/g - wet wt | | | 75.93 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 61 | %RECOVERY | | | |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 80 | %RECOVERY | | | |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.27 | ng/g - wet wt | J | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.57 | ng/g - wet wt | | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.49 | ng/g - wet wt | J | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.15 | ng/g - wet wt | J | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | ng/g - wet wt | U | | 0.75 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 27.44 | ng/g - wet wt | J | | 94.11 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.82 | ng/g - wet wt | U | | 18.82 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 100.70 | ng/g - wet wt | | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.41 | ng/g - wet wt | U | | 9.41 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.12 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.63 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 0.76 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 18.58 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 18.98 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 96.34 | | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 9.49 | U | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 5.94 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.724 | 76.49 | | 19.98 | G_WET | 102.28 | J | | T |
| WRL-CF-4005-0000-01 | W6484 | | | 76.49 | | 19.98 | G_WET | 61 | | | T |
| WRL-CF-4005-0000-01 | W6484 | | | 76.49 | | 19.98 | G_WET | 80 | | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.27 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 3.57 | | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.49 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.15 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 0.75 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 27.44 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 18.82 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 100.70 | | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 9.41 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 7.72 | ng/g - wet wt | J | | 9.41 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 108.42 | ng/g - wet wt | | | 75.29 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 59 | %RECOVERY | | | |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 2.83 | ng/g - wet wt | | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.09 | ng/g - wet wt | J | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.76 | ng/g - wet wt | U | | 0.76 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 13.26 | ng/g - wet wt | J | | 94.91 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 18.98 | ng/g - wet wt | U | | 18.98 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 35.96 | ng/g - wet wt | | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.49 | ng/g - wet wt | U | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.76 | ng/g - wet wt | J | | 9.49 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 40.73 | ng/g - wet wt | J | | 75.93 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 66 | %RECOVERY | | | |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 75 | %RECOVERY | | | |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.38 | ng/g - wet wt | J | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 3.52 | ng/g - wet wt | | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.20 | ng/g - wet wt | J | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.78 | ng/g - wet wt | J | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.33 | ng/g - wet wt | J | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 2.25 | ng/g - wet wt | U | | 2.25 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 32.36 | ng/g - wet wt | J | | 281.78 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 56.36 | ng/g - wet wt | U | | 56.36 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 7.72 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.724 | 75.05 | | 20.15 | G_WET | 108.42 | J | | T |
| LPX-CF-4001-0000-01 | W6485 | | | 75.05 | | 20.15 | G_WET | 59 | | | T |
| LPX-CF-4001-0000-01 | W6485 | | | 75.05 | | 20.15 | G_WET | 68 | | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 2.83 | | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.09 | J | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 0.76 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 13.26 | J | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 18.98 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 35.96 | | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 9.49 | U | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 4.76 | J | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.724 | 78.04 | | 19.98 | G_WET | 40.73 | J | | T |
| CMS-CF-4003-0000-01 | W6486 | | | 78.04 | | 19.98 | G_WET | 66 | | | T |
| CMS-CF-4003-0000-01 | W6486 | | | 78.04 | | 19.98 | G_WET | 75 | | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 0.38 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 3.52 | | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 0.20 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 0.78 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 0.33 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 2.25 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 32.36 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 56.36 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 122.01 | ng/g - wet wt | | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 28.18 | ng/g - wet wt | U | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 9.82 | ng/g - wet wt | J | | 28.18 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 131.83 | ng/g - wet wt | J | | 225.43 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 69 | %RECOVERY | | | |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 81 | %RECOVERY | | | |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 4.81 | ng/g - wet wt | | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.11 | ng/g - wet wt | J | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 1.87 | ng/g - wet wt | U | | 1.87 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 26.65 | ng/g - wet wt | J | | 233.26 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 46.65 | ng/g - wet wt | U | | 46.65 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 69.27 | ng/g - wet wt | | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 23.33 | ng/g - wet wt | U | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 4.91 | ng/g - wet wt | J | | 23.33 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 74.19 | ng/g - wet wt | J | | 186.61 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 67 | %RECOVERY | | | |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 89 | %RECOVERY | | | |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.39 | ng/g - wet wt | J | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 5.01 | ng/g - wet wt | | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.12 | ng/g - wet wt | J | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.69 | ng/g - wet wt | J | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 122.01 | | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 28.18 | U | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 9.82 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.724 | 66.20 | | 6.73 | G_WET | 131.83 | J | | T |
| LPX-CF-4001-0000-01 | W6834 | | | 66.20 | | 6.73 | G_WET | 69 | | | T |
| LPX-CF-4001-0000-01 | W6834 | | | 66.20 | | 6.73 | G_WET | 81 | | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 4.81 | | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 0.11 | J | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 1.87 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 26.65 | J | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 46.65 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 69.27 | | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 23.33 | U | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 4.91 | J | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.724 | 72.88 | | 8.13 | G_WET | 74.19 | J | | T |
| LPX-CF-4004-0000-01 | W6835 | | | 72.88 | | 8.13 | G_WET | 67 | | | T |
| LPX-CF-4004-0000-01 | W6835 | | | 72.88 | | 8.13 | G_WET | 89 | | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 0.39 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 5.01 | | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 0.12 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 0.69 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 1.89 | ng/g - wet wt | U | | 1.89 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 29.95 | ng/g - wet wt | J | | 236.16 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 47.23 | ng/g - wet wt | U | | 47.23 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 122.68 | ng/g - wet wt | | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 23.62 | ng/g - wet wt | U | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 7.53 | ng/g - wet wt | J | | 23.62 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 130.21 | ng/g - wet wt | J | | 188.93 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/23/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 88 | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 64 | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 80 | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Total Aroclor | | PEST/PCB | BATD_SOP_5_128 | 72 | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 68 | %RECOVERY | | | |
| NA | ZM93LCS#2 | BATD | LCS | NA | 11/08/01 | 11/20/01 | | 01-587 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 73 | %RECOVERY | | | |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 1.89 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 29.95 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 47.23 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 122.68 | | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 23.62 | U | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 7.53 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.724 | 74.43 | | 8.03 | G_WET | 130.21 | J | | T |
| WRL-CF-4005-0000-01 | W6836 | | | 74.43 | | 8.03 | G_WET | | | | T |
| WRL-CF-4005-0000-01 | W6836 | | | 74.43 | | 8.03 | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | | NA | | NA | G_WET | | | | T |
| NA | ZM93LCS#2 | | | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 75.02 | NG/G WET | U |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 60.81 | %RECOVERY | |
| NA | ZR02PB | BATD | P_Blank | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 76.51 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 75.73 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 73.75 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 79.66 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 73.33 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 66.96 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 83.03 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 74.38 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 75.22 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 71.61 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 57.34 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 55.62 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 71.88 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 70.95 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 44.58 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 79.98 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 70.14 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 80.58 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 73.08 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 71.15 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 75.02 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | 75.02 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | | | | NA | | 8.00 | G_WET | | | | T |
| NA | ZR02PB | | | | | NA | | 8.00 | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 61.91 | %RECOVERY | |
| NA | ZR03LCS1 | BATD | LCS | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 72.96 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 67.80 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 101.75 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 69.83 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 78.21 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 72.75 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 79.55 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 73.77 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 69.05 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 72.19 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 59.57 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 45.56 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 79.64 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 69.08 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 35.66 | %RECOVERY | & |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 67.65 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 74.91 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 77.35 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 72.97 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 73.22 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 58.27 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 61.84 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR05MS1 | BATD | MS | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 59.12 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 69.89 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 109.77 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 74.58 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 81.60 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 80.15 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 88.19 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 75.76 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 77.81 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 72.68 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 66.77 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 52.39 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 85.47 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 71.16 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 35.80 | %RECOVERY | & |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 69.42 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 81.18 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 83.66 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 80.80 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 75.19 | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | | NA | | NA | G_WET | | | | T |
| NA | ZR03LCS1 | | | | | NA | | NA | G_WET | | | | T |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR05MS1 | | | | | 80.17 | Matrix: Fish | 5.08 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 59.57 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 60.88 | %RECOVERY | |
| LPX-LB-4003-0000-01 | ZR06MSD1 | BATD | MSD | 6/21/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 58.74 | %RECOVERY | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 7.44 | %DIFFERENCE | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.34 | %DIFFERENCE | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 16.59 | %DIFFERENCE | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 11.06 | %DIFFERENCE | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.00 | %DIFFERENCE | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 70.79 | %RECOVERY | |
| NA | ZR04SRM | BATD | SRM | NA | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 73.91 | %RECOVERY | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.31 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.31 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 2.86 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.15 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.34 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 2.06 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.90 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 65.06 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 64.96 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 11.25 | NG/G WET | U |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 26.85 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 91.81 | NG/G WET | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 51.75 | %RECOVERY | |
| CMS-EW-4003-0000-01 | W6545-1 | BATD | Normal | 07/19/01 | 12/27/02 | 01/22/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 60.01 | %RECOVERY | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.89 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.83 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | 1.667 | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| LPX-LB-4003-0000-01 | ZR06MSD1 | | | | | 80.17 | Matrix: Fish | 5.02 | G_WET | | | | F |
| NA | ZR04SRM | | | | 1.667 | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | 1.667 | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | 1.667 | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | 1.667 | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | 1.667 | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | | 89.40 | | 7.94 | G_WET | | | | T |
| NA | ZR04SRM | | | | | 89.40 | | 7.94 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 1.31 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 1.31 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 2.86 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 2.15 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 1.34 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | UJ | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 2.06 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 0.90 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 0.90 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 65.06 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 64.96 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 11.25 | U | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 11.25 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 26.85 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | 89.97 | | 1.667 | 81.09 | Re-extract result | 6.67 | G_WET | 91.81 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | | | | 81.09 | Re-extract result | 6.67 | G_WET | 51.75 | | | T |
| CMS-EW-4003-0000-01 | W6545-1 | | | | | 81.09 | Re-extract result | 6.67 | G_WET | 60.01 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 1.89 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 1.83 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 3.69 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.66 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.73 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 3.02 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.61 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 89.44 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 94.85 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 7.63 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 30.02 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 124.87 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 43.82 | %RECOVERY | |
| CMS-EW-4005-0000-01 | W6546-1 | BATD | Normal | 07/20/01 | 12/27/02 | 01/22/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 57.43 | %RECOVERY | |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.75 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 9.38 | NG/G WET | U |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 75.02 | NG/G WET | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 3.69 | J | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 2.66 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 1.73 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | UJ | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 3.02 | J | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 0.61 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 0.61 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 89.44 | J | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 94.85 | J | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 7.63 | U | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 7.63 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 30.02 | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | 61.05 | | 1.667 | 80.36 | Re-extract result | 9.83 | G_WET | 124.87 | J | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | | | | 80.36 | Re-extract result | 9.83 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546-1 | | | | | 80.36 | Re-extract result | 9.83 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 0.75 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 9.38 | | 1.667 | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | 75.02 | | 1.667 | NA | | 8.00 | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 67.41 | %RECOVERY | |
| NA | ZR19PB2 | BATD | P_Blank | NA | 12/28/02 | 01/23/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 67.44 | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 61.21 | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 76.84 | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 69.01 | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 62.55 | %RECOVERY | |
| NA | ZR14LCS2 | BATD | LCS | NA | 12/27/02 | 01/21/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 72.55 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 74.04 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 175.98 | %RECOVERY | & |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 73.97 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 73.71 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 68.82 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 85.95 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 69.25 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 65.83 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 71.85 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 34.08 | %RECOVERY | & |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 32.55 | %RECOVERY | & |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 68.03 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 70.89 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 32.57 | %RECOVERY | & |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 61.43 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 73.38 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 76.72 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 63.71 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 69.65 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 65.10 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | ZR19PB2 | | | | | NA | | 8.00 | G_WET | | | | T |
| NA | ZR19PB2 | | | | | NA | | 8.00 | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | 1.667 | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | | NA | | NA | G_WET | | | | T |
| NA | ZR14LCS2 | | | | | NA | | NA | G_WET | | | | T |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 56.28 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR08MS2 | BATD | MS | 6/25/2001 | 12/27/02 | 01/18/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 58.45 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 76.73 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 143.28 | %RECOVERY | & |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 78.97 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 63.70 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 61.62 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 62.81 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 57.24 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 61.25 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 76.51 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 41.96 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 41.02 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 70.48 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 79.58 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 40.67 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 68.80 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 63.18 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 58.96 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 56.55 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 58.57 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 61.66 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 51.31 | %RECOVERY | |
| GMP-LB-5005-0000-01 | ZR09MSD2 | BATD | MSD | 6/25/2001 | 12/27/02 | 01/19/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 65.22 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 58.16 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 66.95 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 74.47 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 82.07 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 74.35 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 78.39 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 67.82 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 74.21 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 66.91 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 62.95 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 29.68 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 48.24 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 67.61 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 36.20 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 53.67 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 80.93 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 84.68 | %RECOVERY | |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR08MS2 | | | | | 74.90 | Matrix: Fish | 8.69 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | 1.667 | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| GMP-LB-5005-0000-01 | ZR09MSD2 | | | | | 74.90 | Matrix: Fish | 8.20 | G_WET | | | | O |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 71.50 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 73.79 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 60.38 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 55.57 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR11MS3 | BATD | MS | 07/19/01 | 12/27/02 | 01/19/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 52.34 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 58.40 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 69.76 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 75.27 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 74.05 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 68.40 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 71.23 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 60.57 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 68.86 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 68.06 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 58.09 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 37.49 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 52.06 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 66.09 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 34.37 | %RECOVERY | & |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 56.57 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 70.15 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 75.59 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 57.51 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 57.96 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 60.81 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | NA | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 54.65 | %RECOVERY | |
| CMS-EW-4003-0000-01 | ZR12MSD3 | BATD | MSD | 07/19/01 | 12/27/02 | 01/21/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 58.64 | %RECOVERY | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | 4,4'-DDD | 50-29-3 | PEST/PCB | BATD_SOP_5_128 | 1.96 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | 4,4'-DDE | 72-54-8 | PEST/PCB | BATD_SOP_5_128 | 1.97 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | 4,4'-DDT | 72-55-9 | PEST/PCB | BATD_SOP_5_128 | 4.49 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aldrin | 309-00-2 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | alpha-BHC | 319-84-6 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | alpha-Chlordane | 5103-71-9 | PEST/PCB | BATD_SOP_5_128 | 5.76 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | beta-BHC | 319-85-7 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | delta-BHC | 319-86-8 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Dieldrin | 60-57-1 | PEST/PCB | BATD_SOP_5_128 | 2.78 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endosulfan I | 959-98-8 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | 1.667 | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR11MS3 | | | | | 81.09 | | 4.97 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | 1.667 | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4003-0000-01 | ZR12MSD3 | | | | | 81.09 | | 5.55 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endosulfan II | 33213-65-9 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endosulfan Sulfate | 1031-07-8 | PEST/PCB | BATD_SOP_5_128 | 1.79 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endrin | 72-20-8 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endrin Aldehyde | 7421-93-4 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Endrin Ketone | 53494-70-5 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | gamma-BHC | 58-89-9 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | gamma-Chlordane | 5103-74-2 | PEST/PCB | BATD_SOP_5_128 | 4.58 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Heptachlor | 76-44-8 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Heptachlor Epoxide | 1024-57-3 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Methoxychlor | 72-43-5 | PEST/PCB | BATD_SOP_5_128 | 0.60 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Technical chlordane | 57-74-9 | PEST/PCB | BATD_SOP_5_128 | 149.85 | NG/G WET | DJ |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Toxaphene | 8001-35-2 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1016 | 12674-11-2 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1221 | 1104-28-2 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1232 | 11141-16-5 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1242 | 53469-21-9 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1248 | 12672-29-6 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1254 | 11097-69-1 | PEST/PCB | BATD_SOP_5_128 | 131.93 | NG/G WET | DJ |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1260 | 11096-82-5 | PEST/PCB | BATD_SOP_5_128 | 7.55 | NG/G WET | U |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Aroclor-1268 | 11100-14-4 | PEST/PCB | BATD_SOP_5_128 | 31.14 | NG/G WET | DJ |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Total Aroclor | NA | PEST/PCB | BATD_SOP_5_128 | 163.08 | NG/G WET | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Cl3(34) | 37680-68-5 | PEST/PCB | BATD_SOP_5_128 | 48.64 | %RECOVERY | |
| CMS-EW-4005-0000-01 | W6546DUP | BATD | Duplicate | 07/20/01 | 12/27/02 | 01/23/02 | | 01-672 | Cl5(112) | 74472-36-9 | PEST/PCB | BATD_SOP_5_128 | 39.37 | %RECOVERY | & |

| SAMPLE_NO | LAB_ID | IDL | MDL | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 0.60 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 151.09 | | 33.340 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 151.09 | | 33.340 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 7.55 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 151.09 | | 33.340 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | 60.44 | | 1.667 | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | | | | 80.36 | | 9.93 | G_WET | | | | T |
| CMS-EW-4005-0000-01 | W6546DUP | | | | | 80.36 | | 9.93 | G_WET | | | | T |

# Section 4
# Metal and Methyl Mercury Results

## QA/QC Narratives
## Diet Tissue and QC Results

# QA/QC Narratives

# METALS QA/QC SUMMARY
## SDG #8 - Crayfish

**PROGRAM:** Centredale Manor, Tissues

**PARAMETER:** Metals

**LABORATORY:** Battelle/Marine Sciences Laboratory, Sequim, Washington

**MATRIX:** Crayfish

**QA/QC DATA QUALITY OBJECTIVES**

| | Reference Method | Range of Recovery | SRM Accuracy | Relative Precision | Quantitation Limit (µg/g dry) |
|---|---|---|---|---|---|
| Beryllium | ICP/AES | 70-130% | ±25% | ±30% | 0.016 |
| Aluminum | ICP/AES | 70-130% | ±25% | ±30% | 4.0 |
| Vanadium | ICP/AES | 70-130% | ±25% | ±30% | 0.64 |
| Chromium | ICP/AES | 70-130% | ±25% | ±30% | 0.96 |
| Manganese | ICP/AES | 70-130% | ±25% | ±30% | 0.064 |
| Iron | ICP/AES | 70-130% | ±25% | ±30% | 1.12 |
| Cobalt | ICP/MS | 70-130% | ±25% | ±30% | 1.34 |
| Nickel | ICP/MS | 70-130% | ±25% | ±30% | 1.14 |
| Copper | ICP/MS | 70-130% | ±25% | ±30% | 0.26 |
| Zinc | ICP/AES | 70-130% | ±25% | ±30% | 0.384 |
| Arsenic | ICP/MS | 70-130% | ±25% | ±30% | 0.12 |
| Selenium | FIAS | 70-130% | ±25% | ±30% | 1.6 |
| Molybdenum | ICP/MS | 70-130% | ±25% | ±30% | 1.152 |
| Silver | ICP/AES | 70-130% | ±25% | ±30% | 0.22 |
| Cadmium | ICP/MS | 70-130% | ±25% | ±30% | 0.712 |
| Antimony | ICP/MS | 70-130% | ±25% | ±30% | 0.12 |
| Barium | ICP/MS | 70-130% | ±25% | ±30% | 0.04 |
| Thallium | ICP/MS | 70-130% | ±25% | ±30% | 0.08 |
| Lead | ICP/MS | 70-130% | ±25% | ±30% | 0.08 |
| Mercury | CVAA | 70-130% | ±25% | ±30% | 0.008 |
| MeHg | CVAF | 70-130% | ±25% | ±30% | 0.01 |

**METHOD**

Twenty metals were analyzed: beryllium (Be), aluminum (Al), vanadium (V), chromium (Cr), manganese (Mn), iron (Fe), zinc (Zn), and silver (Ag) by inductively coupled plasma atomic emission spectroscopy (ICP/AES) according to Method L-44; Selenium (Se) by FIAS by SOP MSL-I-001; cobalt (Co), nickel (Ni), copper (Cu), arsenic (As), molybdenum (Mo), cadmium (Cd), antimony (Sb), barium (Ba), thallium (Tl), and lead (Pb) by inductively coupled plasma mass spectrometry (ICP/MS) following method L-42; mercury (Hg) using cold-vapor atomic absorption (CVAA) according Method L-41. Methyl mercury (MeHg) was also analyzed according to Method L-40.

**METHOD (continued)**

To prepare tissue samples for analysis, each was frozen then freeze-dried and homogenized using a Spex mixer-mill. Approximately 0.3 gram aliquots of dried homogenous sample were digested for metals using SOP MSL-I-024, where concentrated nitric and hydroflouric acids were used. Samples for MeHg were digested following method L-40.

All data were initially reported on a dry weight basis and converted to wet weight in spreadsheet. Dry weight results are included in the project file. Results for all study samples and laboratory duplicates are reported in the electronic data deliverable (EDD) on a µg/g wet weight basis. Results for other laboratory QC (e.g., MS, SRM) are reported in the project file on a dry weight basis, and provided in the EDD on a percent recovery or percent difference basis. Blank data are also reported on a dry weight basis, as reporting these data on a wet weight basis is not appropriate given that there is no applicable percent dry weight for the blank. A percent dry weight is necessary to convert data from a dry to wet weight basis.

**HOLDING TIMES**

Twelve (12) samples were received on 7/21/2001 and were logged into Battelle's sample tracking system. Samples were held frozen until freeze-dried, followed by digestion and analysis. All samples were digested and analyzed within the six month holding time for metals and the 28-day holding time for Hg following the procedure conveyed by Deirdre Dahlen. Briefly, the holding time began the day the samples were defrosted and stopped the day the samples were freeze-dried. These samples were received frozen and placed in the deep freezer immediately. The following list summarizes all drying, digestion and analysis dates:

| Task | Date Digested | Date Analyzed |
|---|---|---|
| Dried defrosted | 8/24/01 | 8/27/01 |
| HF:HNO3 | 9/14/01 | |
| Hg | 9/14/01 | 9/19/01 |
| ICP-MS | 9/14/01 | 9/20/01 |
| ICP/AES | 9/14/01 | 11/10/01 |
| FIAS-Se | 9/14/01 | 11/8/01 |
| MeHg | 8/27/01 | 8/30/01 |

# METALS QA/QC SUMMARY
## SDG #8 - Crayfish

---

**DETECTION LIMITS**

The target quantitation limit was met for all metals. The MDL was determined by multiplying the standard deviation of the results of a minimum of 7 replicate low level spikes by the Student's t value at the 99th percentile. The QL was determined by multiplying the MDL by 4. The MDL has been provided on a wet weight basis.

**METHOD BLANKS**

One blank was analyzed. Results were less than the QL for all metals, except Zn and As. Sample results for these metals were not greater than ten times blank values and data have been B flagged on the final report tables.

Results have been provided on a dry weight basis.

**BLANK SPIKES**

One reagent water sample was spiked with all metals, except MeHg. All recoveries met the required QC criteria.

Results are provided in µg/g dry weight in the studyfile and on a percent recovery basis in the EDD.

**MATRIX SPIKES**

One sample was spiked in duplicate with all metals. Recoveries met the required QC criteria, except Be, Al and Cr, and one for Mn, V, Cu, Se, and Ba.

For Be and Cr, the spike recoveries were affected by matrix interference. Crayfish shells contain a high concentration of calcium carbonate and calcium can precipitate out certain metals during the digestion. Beryllium was analyzed by two methods and matrix interference was observed in both. It is unlikely Be would be found in animal tissue at high enough concentrations to detect, therefore, the matrix spike exceedance does not affect the data.

Spikes for Al, Mn, and Cu exceeded the criteria where the spiking level was inappropriate to the native concentration. No corrective action was taken.

Results are provided in µg/g dry weight in the studyfile and on a percent recovery basis in the EDD.

**REPLICATES**

One sample was analyzed in duplicate. RPD values for all metals were within the QC limits of ±30%, except Al and Fe.

Results are provided in µg/g dry weight in the studyfile and on a wet weight basis in the EDD.

**SRM**

Two matrix-appropriate standard reference materials (SRM) were analyzed; DOLT-2, Dogfish liver, and DORM-2, dogfish muscle, obtained from the National Research Council of Canada (NRCC). Only DORM-2 was analyzed for MeHg. Each SRM was analyzed in duplicate and mean values are reported.

SRM DOLT-2 has 14 certified metals. Recoveries for all metals except Cr, Ni, and Se were within the required criteria. The certified values for Cr and Ni are less than the reporting limit. Other QC for Ni are within the required criteria. Selenium recovered slightly low. No corrective action was taken.

DORM-2 has 14 certified metals. Recoveries for all metals except Al, Se, Ag, and Pb were within the required criteria. Certified values for all metals, except Al, that had recoveries that exceeded the criteria are less than the reporting limit. No corrective action was taken. Thallium is not certified in DORM-2; data were evaluated against a reference estimate.

Results are provided in µg/g dry weight in the studyfile and on a percent difference basis in the EDD.

# METALS QA/QC SUMMARY
## SDG #9 - Earthworm

**PROGRAM:** Centredale Manor, Tissues

**PARAMETER:** Metals

**LABORATORY:** Battelle/Marine Sciences Laboratory, Sequim, Washington

**MATRIX:** Earthworms

**QA/QC DATA QUALITY OBJECTIVES**

| | Reference Method | Range of Recovery | SRM Accuracy | Relative Precision | Quantitation Limit (µg/g dry) |
|---|---|---|---|---|---|
| Beryllium | ICP/MS | 70-130% | ±25% | ±30% | 0.016 |
| Aluminum | ICP/AES | 70-130% | ±25% | ±30% | 4.0 |
| Vanadium | ICP/AES | 70-130% | ±25% | ±30% | 0.64 |
| Chromium | ICP/AES | 70-130% | ±25% | ±30% | 0.96 |
| Manganese | ICP/AES | 70-130% | ±25% | ±30% | 0.064 |
| Iron | ICP/AES | 70-130% | ±25% | ±30% | 1.12 |
| Cobalt | ICP/MS | 70-130% | ±25% | ±30% | 1.34 |
| Nickel | ICP/MS | 70-130% | ±25% | ±30% | 1.14 |
| Copper | ICP/MS | 70-130% | ±25% | ±30% | 0.26 |
| Zinc | ICP/AES | 70-130% | ±25% | ±30% | 0.384 |
| Arsenic | ICP/MS | 70-130% | ±25% | ±30% | 0.12 |
| Selenium | FIAS | 70-130% | ±25% | ±30% | 1.6 |
| Molybdenum | ICP/MS | 70-130% | ±25% | ±30% | 1.152 |
| Silver | ICP/AES | 70-130% | ±25% | ±30% | 0.22 |
| Cadmium | ICP/MS | 70-130% | ±25% | ±30% | 0.712 |
| Antimony | ICP/MS | 70-130% | ±25% | ±30% | 0.12 |
| Barium | ICP/MS | 70-130% | ±25% | ±30% | 0.04 |
| Thallium | ICP/MS | 70-130% | ±25% | ±30% | 0.08 |
| Lead | ICP/MS | 70-130% | ±25% | ±30% | 0.08 |
| Mercury | CVAA | 70-130% | ±25% | ±30% | 0.008 |
| MeHg | CVAF | 70-130% | ±25% | ±30% | 0.01 |

**METHOD**

Twenty metals were analyzed: aluminum (Al), vanadium (V), chromium (Cr), manganese (Mn), iron (Fe), zinc (Zn), and silver (Ag) by inductively coupled plasma atomic emission spectroscopy (ICP/AES) according to Method L-44; Selenium (Se) by FIAS by SOP MSL-I-001; beryllium (Be), cobalt (Co), nickel (Ni), copper (Cu), arsenic (As), molybdenum (Mo), cadmium (Cd), antimony (Sb), barium (Ba), thallium (Tl), and lead (Pb) by inductively coupled plasma mass spectrometry (ICP/MS) following method L-42; mercury (Hg) using cold-vapor atomic absorption (CVAA) according Method L-41. Methyl mercury (MeHg) was also analyzed according to Method L-40.

**METHOD (continued)**

To prepare tissue samples for analysis, each was frozen then freeze-dried and homogenized using a Spex mixer-mill.

Approximately 0.3 gram aliquots of dried homogenous sample were digested for metals using SOP MSL-I-024, where concentrated nitric and
hydroflouric acids were used. Samples for MeHg were digested following method L-40.

All data were initially reported on a dry weight basis and converted to wet weight in spreadsheet. Dry weight results are included in the project file. Results for all study samples and laboratory duplicates are reported in the electronic data deliverable (EDD) on a µg/g wet weight basis. Results for other laboratory QC (e.g., MS, SRM) are reported in the project file on a dry weight basis, and provided in the EDD on a percent recovery or percent difference basis. Blank data are also reported on a dry weight basis, as reporting these data on a wet weight basis is not appropriate given that there is no applicable percent dry weight for the blank. A percent dry weight is necessary to convert data from a dry to wet weight basis.

**HOLDING TIMES**

Twelve (12) samples were received on 8/03/2001 and were logged into Battelle's sample tracking system. Samples were held frozen until freeze-dried, followed by digestion and analysis. All samples were digested and analyzed within the six month holding time for metals and the 28-day holding time for Hg following the procedure conveyed by Deirdre Dahlen via email, where the clock starts from the time tissue samples are defrosted until they are freeze-dried. The holding time began the day the samples were defrosted and stopped the day the samples were freeze-dried. The holding time began the day the samples were defrosted and was met the day the samples were freeze-dried. These samples were received frozen and placed in the deep freezer immediately. The following list summarizes all drying, digestion and analysis dates:

| Task | Date Digested | Date Analyzed |
|---|---|---|
| Dried | defrosted 9/7/01 | 9/10/01 |
| HF:HNO3 | 9/14/01 | |
| Hg | 9/14/01 | 9/19/01 |
| ICP-MS | 9/14/01 | 9/20/01 |
| ICP/AES | 9/14/01 | 11/10/01 |
| FIAS-Se | 9/14/01 | 11/8/01 |
| MeHg | 8/30/01 | 9/13/01 |

# METALS QA/QC SUMMARY
## SDG #9 - Earthworm

---

**DETECTION LIMITS**

The target quantitation limit was met for all metals. The MDL was determined by multiplying the standard deviation of the results of a minimum of 7 replicate low level spikes by the Student's t value at the 99th percentile. The QL was determined by multiplying the MDL by 4. The MDL has been provided on a wet weight basis.

**METHOD BLANKS**

One blank was analyzed. Results were less than the QL for all metals, except Zn and As. Results for these metals were greater than ten times blank values in all samples but one (As in CMS-DU-072001-A); data have been B flagged as appropriate on the final report tables.

Results have been provided on a dry weight basis.

**BLANK SPIKES**

One reagent water sample was spiked with all metals, except MeHg. All recoveries met the required QC criteria.

Results are provided in µg/g dry weight in the studyfile and on a percent recovery basis in the EDD.

**MATRIX SPIKES**

One sample was spiked in duplicate with all metals. Recoveries met the required QC criteria, except Al, Mn, and Fe. For each of these metals, the spiking level was inappropriate to the native concentration. No corrective action was taken.

Results are provided in µg/g dry weight in the studyfile and on a percent recovery basis in the EDD.

**REPLICATES**

One sample was analyzed in duplicate. RPD values for all metals were within the QC limits of ±30%, except Be and Ag.

Results are provided in µg/g dry weight in the studyfile and on a wet weight basis in the EDD.

**SRM**

Two matrix-appropriate standard reference materials (SRM) were analyzed; DOLT-2, Dogfish liver, and DORM-2, dogfish muscle, obtained from the National Research Council of Canada (NRCC). Only DORM-2 was analyzed for MeHg. Each SRM was analyzed in duplicate and mean values are reported.

SRM DOLT-2 has 14 certified metals. Recoveries for all metals except Cr, Ni, and Se were within the required criteria. The certified values for Cr and Ni are less than the reporting limit. Other QC for Ni are within the required criteria. Selenium recovered slightly low. No corrective action was taken.

DORM-2 has 14 certified metals. Recoveries for all metals except Al, Se, Ag, and Pb were within the required criteria. Certified values for all metals, except Al, that had recoveries that exceeded the criteria are less than the reporting limit. No corrective action was taken. Thallium is not certified in DORM-2; data were evaluated against a reference estimate.

Results are provided in µg/g dry weight in the studyfile and on a percent difference basis in the EDD.

# Diet Tissue and QC Results

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00198 | UG/G WET | J | | 0.004 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.76500 | UG/G WET | J | | 1.1 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.0739 | UG/G WET | J | | 0.168 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.0926 | UG/G WET | J | | 0.252 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 111 | UG/G WET | | | 0.017 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 42.3 | UG/G WET | | | 0.295 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.166 | UG/G WET | J | | 0.35 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.226 | UG/G WET | J | | 0.30 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 24.2 | UG/G WET | | | 0.07 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 24.4 | UG/G WET | | | 0.101 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.149 | UG/G WET | | | 0.032 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.136 | UG/G WET | J | | 0.421 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0471 | UG/G WET | J | | 0.30 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.161 | UG/G WET | | | 0.057 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.117 | UG/G WET | J | | 0.187 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.00621 | UG/G WET | J | | 0.032 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 28.9 | UG/G WET | | | 0.01 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.0138 | UG/G WET | J | | 0.021 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.226 | UG/G WET | | | 0.021 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0166 | UG/G WET | | | 0.002 |
| GMP-CF-5001-0000-01 | 1678*203 | MSL | NORMAL | 07/02/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0177 | UG/G WET | | | 0.003 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00326 | UG/G WET | J | | 0.004 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.234 | UG/G WET | J | | 1.1 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.169 | UG/G WET | J | | 0.168 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.221 | UG/G WET | J | | 0.252 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 146 | UG/G WET | | | 0.017 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 158 | UG/G WET | | | 0.295 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.209 | UG/G WET | J | | 0.35 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.283 | UG/G WET | J | | 0.30 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 29.7 | UG/G WET | | | 0.07 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 28.1 | UG/G WET | | | 0.101 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.223 | UG/G WET | | | 0.032 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.139 | UG/G WET | J | | 0.421 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0864 | UG/G WET | J | | 0.30 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.245 | UG/G WET | | | 0.057 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0480 | UG/G WET | J | | 0.187 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0155 | UG/G WET | J | | 0.032 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 26.6 | UG/G WET | | | 0.01 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00804 | UG/G WET | J | | 0.021 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.646 | UG/G WET | | | 0.021 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0203 | UG/G WET | | | 0.002 |
| GMP-CF-5002-0000-01 | 1678*204 | MSL | NORMAL | 07/02/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0186 | UG/G WET | | | 0.003 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00433 | UG/G WET | | | 0.004 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 1.95 | UG/G WET | | | 1.1 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.278 | UG/G WET | | | 0.168 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.368 | UG/G WET | | | 0.252 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 99.3 | UG/G WET | | | 0.017 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 73.2 | UG/G WET | | | 0.295 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.278 | UG/G WET | J | | 0.35 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.374 | UG/G WET | | | 0.30 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 29.4 | UG/G WET | | | 0.07 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 21.8 | UG/G WET | | | 0.101 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.197 | UG/G WET | | | 0.032 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.121 | UG/G WET | J | | 0.421 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.247 | UG/G WET | J | | 0.30 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.310 | UG/G WET | | | 0.057 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.109 | UG/G WET | J | | 0.187 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0141 | UG/G WET | J | | 0.032 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 25.1 | UG/G WET | | | 0.01 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.0100 | UG/G WET | J | | 0.021 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.673 | UG/G WET | | | 0.021 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0270 | UG/G WET | | | 0.002 |
| RWR-CF-5003-0000-01 | 1678*205 | MSL | NORMAL | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0286 | UG/G WET | | | 0.003 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.0000594 | UG/G WET | J | | 0.004 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.357 | UG/G WET | J | | 1.1 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.143 | UG/G WET | J | | 0.168 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 0.004 | U | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 1.1 | U | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 0.0739 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 0.252 | U | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 111 | | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 42.3 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.166 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.226 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 24.2 | | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 24.4 | | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP/MS | 0.302 | G_DRY | 0.149 | U | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 20.3 | 73.7 | FIAS | 0.302 | G_DRY | 0.136 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.0471 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | AES | 0.302 | G_DRY | 0.161 | | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.117 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.032 | U | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP/MS | 0.302 | G_DRY | 28.9 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.0138 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 0.669 | 73.7 | ICP-MS | 0.302 | G_DRY | 0.226 | J | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 2 | 73.7 | CVAA | 0.302 | G_DRY | 0.0166 | | | T |
| GMP-CF-5001-0000-01 | 1678*203 | | 1 | 73.7 | CVAF | 0.204 | G_DRY | 0.0177 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 0.004 | U | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 1.1 | U | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 0.169 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 0.221 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 146 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 158 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.209 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.283 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 29.7 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 28.1 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP/MS | 0.299 | G_DRY | 0.223 | U | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 20.300 | 71.4 | FIAS | 0.299 | G_DRY | 0.139 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.0864 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | AES | 0.299 | G_DRY | 0.245 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.0480 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.0155 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP/MS | 0.299 | G_DRY | 26.6 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.00804 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 0.680 | 71.4 | ICP-MS | 0.299 | G_DRY | 0.646 | J | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 2.000 | 71.4 | CVAA | 0.299 | G_DRY | 0.0203 | | | T |
| GMP-CF-5002-0000-01 | 1678*204 | | 1.000 | 71.4 | CVAF | 0.207 | G_DRY | 0.0186 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 0.00433 | U | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 1.95 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 0.278 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 0.368 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 99.3 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 73.2 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.278 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.374 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 29.4 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 21.8 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP/MS | 0.297 | G_DRY | 0.197 | U | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 20.3 | 73.3 | FIAS | 0.297 | G_DRY | 0.121 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.247 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | AES | 0.297 | G_DRY | 0.310 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.109 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.0141 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP/MS | 0.297 | G_DRY | 25.1 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.0100 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 0.684 | 73.3 | ICP-MS | 0.297 | G_DRY | 0.673 | J | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 2 | 73.3 | CVAA | 0.297 | G_DRY | 0.0270 | | | T |
| RWR-CF-5003-0000-01 | 1678*205 | | 1 | 73.3 | CVAF | 0.195 | G_DRY | 0.0286 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 0.004 | U | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 1.1 | U | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 0.143 | J | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.179 | UG/G WET | J | | 0.252 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 109 | UG/G WET | | | 0.017 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 44.8 | UG/G WET | | | 0.295 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.308 | UG/G WET | J | | 0.35 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.243 | UG/G WET | J | | 0.30 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 23.7 | UG/G WET | | | 0.07 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 15.9 | UG/G WET | | | 0.101 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.172 | UG/G WET | | | 0.032 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.102 | UG/G WET | J | | 0.421 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.182 | UG/G WET | J | | 0.30 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.144 | UG/G WET | | | 0.057 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0695 | UG/G WET | J | | 0.187 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0101 | UG/G WET | J | | 0.032 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 21.5 | UG/G WET | | | 0.01 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00766 | UG/G WET | J | | 0.021 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.530 | UG/G WET | | | 0.021 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0256 | UG/G WET | | | 0.002 |
| RWR-CF-5004-0000-01 | 1678*206 | MSL | NORMAL | 07/05/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0243 | UG/G WET | | | 0.003 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00400 | UG/G WET | U | | 0.004 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 1.10 | UG/G WET | U | | 1.1 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.0410 | UG/G WET | J | | 0.168 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.0689 | UG/G WET | J | | 0.252 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 112 | UG/G WET | | | 0.017 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 29.4 | UG/G WET | | | 0.295 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.0829 | UG/G WET | J | | 0.35 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.250 | UG/G WET | J | | 0.30 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 15.0 | UG/G WET | | | 0.07 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 22.9 | UG/G WET | | | 0.101 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.153 | UG/G WET | | | 0.032 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.125 | UG/G WET | J | | 0.421 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0425 | UG/G WET | J | | 0.30 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.215 | UG/G WET | | | 0.057 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0819 | UG/G WET | J | | 0.187 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.00287 | UG/G WET | J | | 0.032 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 39.7 | UG/G WET | | | 0.01 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00712 | UG/G WET | J | | 0.021 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.140 | UG/G WET | | | 0.021 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0389 | UG/G WET | | | 0.002 |
| RAB-CF-5004-0000-01 | 1678*207 | MSL | NORMAL | 06/27/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0389 | UG/G WET | | | 0.003 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00230 | UG/G WET | J | | 0.004 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.0305 | UG/G WET | J | | 1.1 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.182 | UG/G WET | | | 0.168 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.176 | UG/G WET | J | | 0.252 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 90.8 | UG/G WET | | | 0.017 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 30.8 | UG/G WET | | | 0.295 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.194 | UG/G WET | J | | 0.35 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.259 | UG/G WET | J | | 0.30 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 27.9 | UG/G WET | | | 0.07 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 20.0 | UG/G WET | | | 0.101 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.202 | UG/G WET | | | 0.032 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.112 | UG/G WET | J | | 0.421 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.105 | UG/G WET | J | | 0.30 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.185 | UG/G WET | | | 0.057 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0934 | UG/G WET | J | | 0.187 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.00744 | UG/G WET | J | | 0.032 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 24.2 | UG/G WET | | | 0.01 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00885 | UG/G WET | J | | 0.021 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.290 | UG/G WET | | | 0.021 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0259 | UG/G WET | | | 0.002 |
| CMS-CF-4003-0000-01 | 1678*208 | MSL | NORMAL | 07/09/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0261 | UG/G WET | | | 0.003 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00491 | UG/G WET | | | 0.004 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 1.52 | UG/G WET | | | 1.1 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.219 | UG/G WET | | | 0.168 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.399 | UG/G WET | | | 0.252 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 52.7 | UG/G WET | | | 0.017 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 90.4 | UG/G WET | | | 0.295 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 0.179 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 109 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 44.8 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.308 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.243 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 23.7 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 15.9 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP/MS | 0.297 | G_DRY | 0.172 | U | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 20.2 | 80.6 | FIAS | 0.297 | G_DRY | 0.102 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.182 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | AES | 0.297 | G_DRY | 0.144 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.0695 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.0101 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP/MS | 0.297 | G_DRY | 21.5 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.00766 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 0.682 | 80.6 | ICP-MS | 0.297 | G_DRY | 0.530 | J | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 2 | 80.6 | CVAA | 0.297 | G_DRY | 0.0256 | | | T |
| RWR-CF-5004-0000-01 | 1678*206 | | 1 | 80.6 | CVAF | 0.206 | G_DRY | 0.0243 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 0.004 | UJ | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 1.10 | UJ | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 0.168 | U | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 0.252 | U | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 112 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 29.4 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.0829 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.250 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 15.0 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 22.9 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP/MS | 0.299 | G_DRY | 0.153 | U | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 20.3 | 74.4 | FIAS | 0.299 | G_DRY | 0.125 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.0425 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | AES | 0.299 | G_DRY | 0.215 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.0819 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.032 | U | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP/MS | 0.299 | G_DRY | 39.7 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.00712 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 0.678 | 74.4 | ICP-MS | 0.299 | G_DRY | 0.140 | J | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 2 | 74.4 | CVAA | 0.299 | G_DRY | 0.0389 | | | T |
| RAB-CF-5004-0000-01 | 1678*207 | | 1 | 74.4 | CVAF | 0.199 | G_DRY | 0.0389 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 0.004 | U | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 1.1 | U | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 0.182 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 0.176 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 90.8 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 30.8 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.194 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.259 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 27.9 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 20.0 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP/MS | 0.296 | G_DRY | 0.202 | U | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 20.2 | 73.9 | FIAS | 0.296 | G_DRY | 0.112 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.105 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | AES | 0.296 | G_DRY | 0.185 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.0934 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.032 | U | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP/MS | 0.296 | G_DRY | 24.2 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.00885 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 0.683 | 73.9 | ICP-MS | 0.296 | G_DRY | 0.290 | J | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 2 | 73.9 | CVAA | 0.296 | G_DRY | 0.0259 | | | T |
| CMS-CF-4003-0000-01 | 1678*208 | | 1 | 73.9 | CVAF | 0.202 | G_DRY | 0.0261 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 0.00491 | U | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 1.52 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 0.219 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 0.399 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 52.7 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 90.4 | J | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.147 | UG/G WET | J | | 0.35 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.326 | UG/G WET | | | 0.30 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 28.2 | UG/G WET | | | 0.07 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 20.6 | UG/G WET | | | 0.101 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.239 | UG/G WET | | | 0.032 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.125 | UG/G WET | J | | 0.421 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.142 | UG/G WET | J | | 0.30 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.196 | UG/G WET | | | 0.057 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0802 | UG/G WET | J | | 0.187 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0171 | UG/G WET | J | | 0.032 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 20.8 | UG/G WET | | | 0.01 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00544 | UG/G WET | J | | 0.021 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.814 | UG/G WET | | | 0.021 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0178 | UG/G WET | | | 0.002 |
| CMS-CF-4006-0000-01 | 1678*209 | MSL | NORMAL | 07/04/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0144 | UG/G WET | | | 0.003 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00555 | UG/G WET | | | 0.004 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 2.63 | UG/G WET | | | 1.1 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.257 | UG/G WET | | | 0.168 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.271 | UG/G WET | | | 0.252 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 71.5 | UG/G WET | | | 0.017 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 66.8 | UG/G WET | | | 0.295 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.180 | UG/G WET | J | | 0.35 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.366 | UG/G WET | | | 0.30 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 34.7 | UG/G WET | | | 0.07 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 22.2 | UG/G WET | | | 0.101 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.243 | UG/G WET | | | 0.032 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.141 | UG/G WET | J | | 0.421 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.136 | UG/G WET | J | | 0.30 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.246 | UG/G WET | | | 0.057 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.101 | UG/G WET | J | | 0.187 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0170 | UG/G WET | J | | 0.032 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 17.8 | UG/G WET | | | 0.01 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00731 | UG/G WET | J | | 0.021 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.663 | UG/G WET | | | 0.021 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0302 | UG/G WET | | | 0.002 |
| CMS-CF-4007-0000-01 | 1678*210 | MSL | NORMAL | 07/04/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0271 | UG/G WET | | | 0.003 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00574 | UG/G WET | | | 0.004 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.696 | UG/G WET | J | | 1.1 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.255 | UG/G WET | | | 0.168 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.346 | UG/G WET | | | 0.252 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 107 | UG/G WET | | | 0.017 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 181 | UG/G WET | | | 0.295 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.254 | UG/G WET | J | | 0.35 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.426 | UG/G WET | | | 0.30 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 33.2 | UG/G WET | | | 0.07 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 24.9 | UG/G WET | | | 0.101 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.308 | UG/G WET | | | 0.032 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.162 | UG/G WET | J | | 0.421 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.144 | UG/G WET | J | | 0.30 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.252 | UG/G WET | | | 0.057 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0749 | UG/G WET | J | | 0.187 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0149 | UG/G WET | J | | 0.032 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 26.0 | UG/G WET | | | 0.01 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00947 | UG/G WET | J | | 0.021 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.912 | UG/G WET | | | 0.021 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0235 | UG/G WET | | | 0.002 |
| LPX-CF-4001-0000-01 | 1678*211 | MSL | NORMAL | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0215 | UG/G WET | | | 0.003 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00400 | UG/G WET | U | | 0.004 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.364 | UG/G WET | J | | 1.1 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.230 | UG/G WET | | | 0.168 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.277 | UG/G WET | | | 0.252 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 71.6 | UG/G WET | | | 0.017 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 104 | UG/G WET | | | 0.295 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.200 | UG/G WET | J | | 0.35 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.444 | UG/G WET | | | 0.30 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 22.2 | UG/G WET | | | 0.07 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.147 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.326 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 28.2 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 20.6 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP/MS | 0.297 | G_DRY | 0.239 | U | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 20.3 | 75.7 | FIAS | 0.297 | G_DRY | 0.125 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.142 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | AES | 0.297 | G_DRY | 0.196 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.0802 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.0171 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP/MS | 0.297 | G_DRY | 20.8 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.021 | U | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 0.682 | 75.7 | ICP-MS | 0.297 | G_DRY | 0.814 | J | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 2 | 75.7 | CVAA | 0.297 | G_DRY | 0.0178 | | | T |
| CMS-CF-4006-0000-01 | 1678*209 | | 1 | 75.7 | CVAF | 0.198 | G_DRY | 0.0144 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 0.00555 | U | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 2.63 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 0.257 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 0.271 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 71.5 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 66.8 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.180 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.366 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 34.7 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 22.2 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP/MS | 0.301 | G_DRY | 0.243 | U | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 20.200 | 73.7 | FIAS | 0.301 | G_DRY | 0.141 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.136 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | AES | 0.301 | G_DRY | 0.246 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.101 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.0170 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP/MS | 0.301 | G_DRY | 17.8 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.00731 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 0.670 | 73.7 | ICP-MS | 0.301 | G_DRY | 0.663 | J | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 2.000 | 73.7 | CVAA | 0.301 | G_DRY | 0.0302 | | | T |
| CMS-CF-4007-0000-01 | 1678*210 | | 1.000 | 73.7 | CVAF | 0.192 | G_DRY | 0.0271 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 0.00574 | U | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 1.1 | U | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 0.255 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 0.346 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 107 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 181 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.254 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.426 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 33.2 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 24.9 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP/MS | 0.298 | G_DRY | 0.308 | U | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 20.3 | 70.4 | FIAS | 0.298 | G_DRY | 0.162 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.144 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | AES | 0.298 | G_DRY | 0.252 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.0749 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.0149 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP/MS | 0.298 | G_DRY | 26.0 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.00947 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 0.682 | 70.4 | ICP-MS | 0.298 | G_DRY | 0.912 | J | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 2 | 70.4 | CVAA | 0.298 | G_DRY | 0.0235 | | | T |
| LPX-CF-4001-0000-01 | 1678*211 | | 1 | 70.4 | CVAF | 0.185 | G_DRY | 0.0215 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 0.004 | UJ | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 1.1 | U | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 0.230 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 0.277 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 71.6 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 104 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.200 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.444 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 22.2 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 20.1 | UG/G WET | | | 0.101 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.238 | UG/G WET | | | 0.032 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.116 | UG/G WET | J | | 0.421 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0633 | UG/G WET | J | | 0.30 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.252 | UG/G WET | | | 0.057 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0511 | UG/G WET | J | | 0.187 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0108 | UG/G WET | J | | 0.032 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 30.1 | UG/G WET | | | 0.01 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00654 | UG/G WET | J | | 0.021 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.646 | UG/G WET | | | 0.021 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.00976 | UG/G WET | | | 0.002 |
| LPX-CF-4002-0000-01 | 1678*212 | MSL | NORMAL | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00830 | UG/G WET | | | 0.003 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00375 | UG/G WET | J | | 0.004 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.140 | UG/G WET | J | | 1.1 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.232 | UG/G WET | | | 0.168 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.164 | UG/G WET | J | | 0.252 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 108 | UG/G WET | | | 0.017 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 77.0 | UG/G WET | | | 0.295 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.244 | UG/G WET | J | | 0.35 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.487 | UG/G WET | | | 0.30 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 31.6 | UG/G WET | | | 0.07 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 32.5 | UG/G WET | | | 0.101 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.217 | UG/G WET | | | 0.032 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.130 | UG/G WET | J | | 0.421 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0907 | UG/G WET | J | | 0.30 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.236 | UG/G WET | | | 0.057 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.0650 | UG/G WET | J | | 0.187 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.00851 | UG/G WET | J | | 0.032 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 25.8 | UG/G WET | | | 0.01 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.00717 | UG/G WET | J | | 0.021 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.717 | UG/G WET | | | 0.021 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0220 | UG/G WET | | | 0.002 |
| LPX-CF-4004-0000-01 | 1678*213 | MSL | NORMAL | 07/09/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0131 | UG/G WET | | | 0.003 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00400 | UG/G WET | U | | 0.004 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0.180 | UG/G WET | J | | 1.1 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.361 | UG/G WET | | | 0.168 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.230 | UG/G WET | J | | 0.252 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 214 | UG/G WET | | | 0.017 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 127 | UG/G WET | | | 0.295 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.350 | UG/G WET | | | 0.35 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.584 | UG/G WET | | | 0.30 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 33.0 | UG/G WET | | | 0.07 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 27.2 | UG/G WET | | | 0.101 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.251 | UG/G WET | | | 0.032 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.142 | UG/G WET | J | | 0.421 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.198 | UG/G WET | J | | 0.30 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.230 | UG/G WET | | | 0.057 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.164 | UG/G WET | J | | 0.187 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0166 | UG/G WET | J | | 0.032 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 30.5 | UG/G WET | | | 0.01 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.0113 | UG/G WET | J | | 0.021 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 1.16 | UG/G WET | | | 0.021 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0259 | UG/G WET | | | 0.002 |
| WRL-CF-4005-0000-01 | 1678*214 | MSL | NORMAL | 06/29/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0182 | UG/G WET | | | 0.003 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 4 | % DIFFERENCE | | | 4.0 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 84 | % DIFFERENCE | ~ | | 0.96 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 15 | % DIFFERENCE | | | 0.06 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 4 | % DIFFERENCE | | | 1.12 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 14 | % DIFFERENCE | | | 1.34 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 88 | % DIFFERENCE | ~ | | 1.14 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 2 | % DIFFERENCE | | | 0.26 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 11 | % DIFFERENCE | | | 0.38 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 11 | % DIFFERENCE | | | 0.12 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 27 | % DIFFERENCE | & | | 1.6 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 14 | % DIFFERENCE | | | 0.22 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 6 | % DIFFERENCE | | | 0.71 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 20.1 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP/MS | 0.302 | G_DRY | 0.238 | U | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 20.3 | 73.4 | FIAS | 0.302 | G_DRY | 0.116 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.0633 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | AES | 0.302 | G_DRY | 0.252 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.0511 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.0108 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP/MS | 0.302 | G_DRY | 30.1 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.021 | U | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 0.672 | 73.4 | ICP-MS | 0.302 | G_DRY | 0.646 | J | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 2 | 73.4 | CVAA | 0.302 | G_DRY | 0.00976 | | | T |
| LPX-CF-4002-0000-01 | 1678*212 | | 1 | 73.4 | CVAF | 0.201 | G_DRY | 0.00830 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 0.00375 | U | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 1.1 | U | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 0.232 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 0.252 | U | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 108 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 77.0 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.244 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.487 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 31.6 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 32.5 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP/MS | 0.305 | G_DRY | 0.217 | U | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 20.2 | 72.0 | FIAS | 0.305 | G_DRY | 0.130 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.0907 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | AES | 0.305 | G_DRY | 0.236 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.0650 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.032 | U | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP/MS | 0.305 | G_DRY | 25.8 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.00717 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 0.662 | 72.0 | ICP-MS | 0.305 | G_DRY | 0.717 | J | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 2 | 72.0 | CVAA | 0.305 | G_DRY | 0.0220 | | | T |
| LPX-CF-4004-0000-01 | 1678*213 | | 1 | 72.0 | CVAF | 0.205 | G_DRY | 0.0131 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 0.004 | UJ | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 1.1 | U | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 0.361 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 0.230 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 214 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 127 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.350 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.584 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 33.0 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 27.2 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP/MS | 0.304 | G_DRY | 0.251 | U | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 20.2 | 71.8 | FIAS | 0.304 | G_DRY | 0.142 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.198 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | AES | 0.304 | G_DRY | 0.230 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.164 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.0166 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP/MS | 0.304 | G_DRY | 30.5 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 0.0113 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 0.664 | 71.8 | ICP-MS | 0.304 | G_DRY | 1.16 | J | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 2 | 71.8 | CVAA | 0.304 | G_DRY | 0.0259 | | | T |
| WRL-CF-4005-0000-01 | 1678*214 | | 1 | 71.8 | CVAF | 0.187 | G_DRY | 0.0182 | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP/MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 40.2 | NA | FIAS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 25 | % DIFFERENCE | | | 0.08 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 14 | % DIFFERENCE | | | 0.01 |
| | DOLT-2 (mean) | MSL | SRM | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 5 | % DIFFERENCE | | | 0.01 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 32 | % DIFFERENCE | & | | 4.0 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 17 | % DIFFERENCE | | | 0.96 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 15 | % DIFFERENCE | | | 0.06 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 5 | % DIFFERENCE | | | 1.12 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 13 | % DIFFERENCE | | | 1.34 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 22 | % DIFFERENCE | | | 1.14 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 17 | % DIFFERENCE | | | 0.26 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 0 | % DIFFERENCE | | | 0.38 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 6 | % DIFFERENCE | | | 0.12 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 38 | % DIFFERENCE | ~ | | 1.6 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 46 | % DIFFERENCE | ~ | | 0.22 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 11 | % DIFFERENCE | | | 0.71 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 1093 | % DIFFERENCE | ~ | | 0.08 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 57 | % DIFFERENCE | ~ | | 0.08 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 2 | % DIFFERENCE | | | 0.01 |
| | DORM-2 (mean) | MSL | SRM | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 3 | % DIFFERENCE | | | 0.01 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | BERYLLIUM | 7440-41-7 | M | L-44 | 102 | % RECOVERY | | | 0.02 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 89 | % RECOVERY | | | 4.0 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | VANADIUM | 7440-62-2 | M | L-44 | 97 | % RECOVERY | | | 0.64 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 101 | % RECOVERY | | | 0.96 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 102 | % RECOVERY | | | 0.06 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 103 | % RECOVERY | | | 1.34 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 102 | % RECOVERY | | | 1.14 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 101 | % RECOVERY | | | 0.26 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 104 | % RECOVERY | | | 0.38 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 100 | % RECOVERY | | | 0.12 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 77 | % RECOVERY | | | 1.6 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | MOLYBDENUM | 13939-06-5 | M | L-42 | 101 | % RECOVERY | | | 1.15 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 79 | % RECOVERY | | | 0.22 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 97 | % RECOVERY | | | 0.71 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | ANTIMONY | 7440-36-0 | M | L-42 | 97 | % RECOVERY | | | 0.12 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | BARIUM | 7440-39-3 | M | L-42 | 103 | % RECOVERY | | | 0.04 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 101 | % RECOVERY | | | 0.08 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 104 | % RECOVERY | | | 0.08 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 111 | % RECOVERY | | | 0.01 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00677 | UG/G DRY | J | | 0.02 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 0.782 | UG/G DRY | J | | 4.0 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | VANADIUM | 7440-62-2 | M | L-44 | 0.0320 | UG/G DRY | J | | 0.64 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 0.126 | UG/G DRY | J | | 0.96 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 0.00586 | UG/G DRY | J | | 0.06 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 0.528 | UG/G DRY | J | | 1.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 0.00321 | UG/G DRY | J | | 1.34 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 0.0350 | UG/G DRY | J | | 1.14 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 0.0590 | UG/G DRY | J | | 0.26 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 0.620 | UG/G DRY | B | | 0.38 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 0.220 | UG/G DRY | B | | 0.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.0105 | UG/G DRY | J | | 1.6 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0101 | UG/G DRY | J | | 1.15 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 0.216 | UG/G DRY | U | | 0.216 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 0.0191 | UG/G DRY | J | | 0.71 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | ANTIMONY | 7440-36-0 | M | L-42 | 0.00698 | UG/G DRY | J | | 0.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | BARIUM | 7440-39-3 | M | L-42 | 0.0269 | UG/G DRY | J | | 0.04 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 0.00467 | UG/G DRY | J | | 0.08 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 0.0178 | UG/G DRY | J | | 0.08 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 0.008 | UG/G DRY | U | | 0.008 |
| | BLANK (mean) | MSL | P_BLANK | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.01 | UG/G DRY | U | | 0.01 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 37 | % RECOVERY | & | | 0.02 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0 | % RECOVERY | ~ | | 4.0 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 74 | % RECOVERY | | | 0.64 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 50 | % RECOVERY | ~ | | 0.96 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 152 | % RECOVERY | ~ | | 0.06 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 98 | % RECOVERY | | | 1.34 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 92 | % RECOVERY | | | 1.14 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 2 | NA | CVAA | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 1 | NA | CVAF | 0.164 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP/MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 19.87 | NA | FIAS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 7 | NA | CVAA | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 1 | NA | CVAF | 0.041 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 41.9 | NA | FIAS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 7 | NA | CVAA | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 20.7 | NA | Blank results (LAB, MDL) reported on dry weight basis; FIAS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 2 | NA | Blank results (LAB, MDL) reported on dry weight basis; CVAA | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 1 | NA | Blank results (LAB, MDL) reported on dry weight basis; CVAF | 0.200 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.689 | 73.3 | AES | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | AES | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | AES | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | AES | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.672 | 73.3 | AES | 0.303 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | ICP-MS | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | ICP-MS | 0.302 | G_DRY | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 136 | % RECOVERY | ~ | | 0.26 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 115 | % RECOVERY | | | 0.38 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 101 | % RECOVERY | | | 0.12 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 68 | % RECOVERY | & | | 1.6 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 93 | % RECOVERY | | | 1.15 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 108 | % RECOVERY | | | 0.22 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 97 | % RECOVERY | | | 0.71 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 101 | % RECOVERY | | | 0.12 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 13 | % RECOVERY | ~ | | 0.04 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 104 | % RECOVERY | | | 0.08 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 85 | % RECOVERY | | | 0.08 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 106 | % RECOVERY | | | 0.01 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | MSL | MS | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 112 | % RECOVERY | | | 0.01 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 36 | % RECOVERY | & | | 0.02 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 0 | % RECOVERY | ~ | | 4.0 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 65 | % RECOVERY | & | | 0.64 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 42 | % RECOVERY | ~ | | 0.96 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 86 | % RECOVERY | | | 0.06 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 99 | % RECOVERY | | | 1.34 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 94 | % RECOVERY | | | 1.14 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 102 | % RECOVERY | | | 0.26 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 101 | % RECOVERY | | | 0.38 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 105 | % RECOVERY | | | 0.12 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 87 | % RECOVERY | | | 1.6 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 90 | % RECOVERY | | | 1.15 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 87 | % RECOVERY | | | 0.22 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 96 | % RECOVERY | | | 0.71 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 98 | % RECOVERY | | | 0.12 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 95 | % RECOVERY | | | 0.04 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 100 | % RECOVERY | | | 0.08 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 76 | % RECOVERY | | | 0.08 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 101 | % RECOVERY | | | 0.01 |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | MSL | MSD | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 101 | % RECOVERY | | | 0.01 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00451 | UG/G WET | | | 0.004 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ALUMINUM | 7429-90-5 | M | L-44 | 4.35 | UG/G WET | | | 1.1 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | VANADIUM | 7440-62-2 | M | L-44 | 0.267 | UG/G WET | | | 0.168 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | CHROMIUM | 7440-47-3 | M | L-44 | 0.414 | UG/G WET | | | 0.252 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | MANGANESE | 7439-96-5 | M | L-44 | 111 | UG/G WET | | | 0.017 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | IRON | 7439-89-6 | M | L-44 | 106 | UG/G WET | | | 0.295 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COBALT | 7440-48-4 | M | L-42 | 0.318 | UG/G WET | J | | 0.35 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | NICKEL | 7440-02-0 | M | L-42 | 0.352 | UG/G WET | | | 0.30 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | COPPER | 7440-50-8 | M | L-42 | 33.4 | UG/G WET | | | 0.07 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | ZINC | 7440-66-6 | M | L-44 | 24.9 | UG/G WET | | | 0.101 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ARSENIC | 7440-38-2 | M | L-42 | 0.190 | UG/G WET | | | 0.032 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/08/01 | | 8 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.144 | UG/G WET | J | | 0.421 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.275 | UG/G WET | J | | 0.30 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 11/10/01 | | 8 | SILVER | 7440-22-4 | M | L-44 | 0.236 | UG/G WET | | | 0.057 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | CADMIUM | 7440-43-9 | M | L-42 | 0.109 | UG/G WET | J | | 0.187 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0178 | UG/G WET | J | | 0.032 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | BARIUM | 7440-39-3 | M | L-42 | 20.1 | UG/G WET | | | 0.01 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | THALLIUM | 7440-28-0 | M | L-42 | 0.0106 | UG/G WET | J | | 0.021 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/20/01 | | 8 | LEAD | 7439-92-1 | M | L-42 | 0.820 | UG/G WET | | | 0.021 |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 09/14/01 | 09/19/01 | | 8 | MERCURY | 7439-97-6 | M | L-41 | 0.0302 | UG/G WET | | | 0.002 |
| CMS-CF-4007-0000-01 | 1678*210 DUPLICATE | MSL | DUPLICATE | 07/03/01 | 08/27/01 | 08/30/01 | | 8 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.0279 | UG/G WET | | | 0.003 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.672 | 73.3 | ICP-MS | 0.303 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.672 | 73.3 | AES | 0.303 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | ICP/MS | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 41.25 | 73.3 | FIAS | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | ICP-MS | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | AES | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.689 | 73.3 | ICP-MS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.689 | 73.3 | ICP-MS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.672 | 73.3 | ICP/MS | 0.303 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.689 | 73.3 | ICP-MS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 0.683 | 73.3 | ICP-MS | 0.302 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 7 | 73.3 | CVAA | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE 1678*205 | | 1 | 73.3 | CVAF | 0.191 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.665 | 73.3 | AES | 0.304 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | AES | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | AES | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | AES | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.692 | 73.3 | AES | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | ICP-MS | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | ICP-MS | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.692 | 73.3 | ICP-MS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.692 | 73.3 | AES | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | ICP/MS | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 41.4 | 73.3 | FIAS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | ICP-MS | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | AES | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.665 | 73.3 | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.665 | 73.3 | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.692 | 73.3 | ICP/MS | 0.297 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.665 | 73.3 | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 0.678 | 73.3 | ICP-MS | 0.305 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 7 | 73.3 | CVAA | 0.304 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | MATRIX SPIKE DUP 1678*205 | | 1 | 73.3 | CVAF | 0.212 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP/MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 20.2 | 73.3 | FIAS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | AES | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP/MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 0.682 | 73.3 | ICP-MS | 0.296 | G_DRY | | | | T |
| RWR-CF-5003-0000-01 | 1678*205 DUPLICATE | | 2 | 73.3 | CVAA | 0.296 | G_DRY | | | | T |
| CMS-CF-4007-0000-01 | 1678*210 DUPLICATE | | 1 | 73.7 | CVAF | 0.212 | G_DRY | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.123 | UG/G WET | | | 0.003 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 1064 | UG/G WET | | | 0.74 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 1.77 | UG/G WET | | | 0.12 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 3.18 | UG/G WET | | | 0.18 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 157 | UG/G WET | | | 0.012 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1086 | UG/G WET | | | 0.21 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.749 | UG/G WET | | | 0.25 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 10.5 | UG/G WET | | | 0.21 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 10.8 | UG/G WET | | | 0.048 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 40.1 | UG/G WET | | | 0.071 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.393 | UG/G WET | | | 0.022 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.447 | UG/G WET | | | 0.30 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.733 | UG/G WET | | | 0.21 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.105 | UG/G WET | | | 0.040 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.78 | UG/G WET | | | 0.132 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.0962 | UG/G WET | | | 0.022 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 12.4 | UG/G WET | | | 0.007 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0259 | UG/G WET | | | 0.015 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 8.82 | UG/G WET | | | 0.015 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0249 | UG/G WET | | | 0.001 |
| RWR-EW-5001-0000-01 | 1678*225 | MSL | NORMAL | 07/17/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00416 | UG/G WET | | | 0.002 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.253 | UG/G WET | | | 0.003 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 2468 | UG/G WET | | | 0.74 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 3.18 | UG/G WET | | | 0.12 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 7.56 | UG/G WET | | | 0.18 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 238 | UG/G WET | | | 0.012 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1766 | UG/G WET | | | 0.21 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.986 | UG/G WET | | | 0.25 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 2.32 | UG/G WET | | | 0.21 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 8.60 | UG/G WET | | | 0.048 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 117 | UG/G WET | | | 0.071 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.557 | UG/G WET | | | 0.022 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.559 | UG/G WET | | | 0.30 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.34 | UG/G WET | | | 0.21 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.324 | UG/G WET | | | 0.040 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.96 | UG/G WET | | | 0.132 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.169 | UG/G WET | | | 0.022 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 29.9 | UG/G WET | | | 0.007 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0486 | UG/G WET | | | 0.015 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 20.2 | UG/G WET | | | 0.015 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0415 | UG/G WET | | | 0.001 |
| RWR-EW-5002-0000-01 | 1678*226 | MSL | NORMAL | 07/16/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00261 | UG/G WET | | | 0.002 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.300 | UG/G WET | | | 0.003 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 3441 | UG/G WET | | | 0.74 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 6.37 | UG/G WET | | | 0.12 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 17.2 | UG/G WET | | | 0.18 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 192 | UG/G WET | | | 0.012 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2219 | UG/G WET | | | 0.21 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 1.74 | UG/G WET | | | 0.25 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 3.80 | UG/G WET | | | 0.21 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 19.4 | UG/G WET | | | 0.048 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 114 | UG/G WET | | | 0.071 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.833 | UG/G WET | | | 0.022 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.996 | UG/G WET | | | 0.30 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 5.36 | UG/G WET | | | 0.21 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.174 | UG/G WET | | | 0.040 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 4.13 | UG/G WET | | | 0.132 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.357 | UG/G WET | | | 0.022 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 50.1 | UG/G WET | | | 0.007 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0839 | UG/G WET | | | 0.015 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 63.2 | UG/G WET | | | 0.015 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0762 | UG/G WET | | | 0.001 |
| RWR-EW-5003-0000-01 | 1678*227 | MSL | NORMAL | 07/17/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00436 | UG/G WET | | | 0.002 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.335 | UG/G WET | | | 0.003 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 3764 | UG/G WET | | | 0.74 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 4.75 | UG/G WET | | | 0.12 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 0.123 | J | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 1064 | J | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 1.77 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 3.18 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 157 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 1086 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 0.749 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 10.5 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 10.8 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 40.1 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP/MS | 0.300 | G_DRY | 0.393 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 20.0 | 86.3 | FIAS | 0.300 | G_DRY | 0.447 | J | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 0.733 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | AES | 0.300 | G_DRY | 0.105 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 2.78 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 0.0962 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP/MS | 0.300 | G_DRY | 12.4 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 0.0259 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | ICP-MS | 0.300 | G_DRY | 8.82 | J | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 0.665 | 86.3 | CVAA | 0.300 | G_DRY | 0.0249 | | | T |
| RWR-EW-5001-0000-01 | 1678*225 | | 1 | 86.3 | CVAF | 0.140 | G_DRY | 0.00416 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 0.253 | J | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 2468 | J | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 3.18 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 7.56 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 238 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 1766 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 0.986 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 2.32 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 8.60 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 117 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP/MS | 0.304 | G_DRY | 0.557 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 20.2 | 82.7 | FIAS | 0.304 | G_DRY | 0.559 | J | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 1.34 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | AES | 0.304 | G_DRY | 0.324 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 2.96 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 0.169 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP/MS | 0.304 | G_DRY | 29.9 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 0.0486 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | ICP-MS | 0.304 | G_DRY | 20.2 | J | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 0.663 | 82.7 | CVAA | 0.304 | G_DRY | 0.0415 | | | T |
| RWR-EW-5002-0000-01 | 1678*226 | | 1 | 82.7 | CVAF | 0.169 | G_DRY | 0.00261 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 0.300 | J | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 3441 | J | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 6.37 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 17.2 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 192 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 2219 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 1.74 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 3.80 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 19.4 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 114 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP/MS | 0.298 | G_DRY | 0.833 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 20.2 | 80.8 | FIAS | 0.298 | G_DRY | 0.996 | J | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 5.36 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | AES | 0.298 | G_DRY | 0.174 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 4.13 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 0.357 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP/MS | 0.298 | G_DRY | 50.1 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 0.0839 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | ICP-MS | 0.298 | G_DRY | 63.2 | J | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 0.678 | 80.8 | CVAA | 0.298 | G_DRY | 0.0762 | | | T |
| RWR-EW-5003-0000-01 | 1678*227 | | 1 | 80.8 | CVAF | 0.147 | G_DRY | 0.00436 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 0.335 | J | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 3764 | J | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 4.75 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 9.94 | UG/G WET | | | 0.18 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 319 | UG/G WET | | | 0.012 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2494 | UG/G WET | | | 0.21 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 1.16 | UG/G WET | | | 0.25 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 3.35 | UG/G WET | | | 0.21 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 17.3 | UG/G WET | | | 0.048 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 70.8 | UG/G WET | | | 0.071 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.621 | UG/G WET | | | 0.022 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.248 | UG/G WET | J | | 0.30 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.71 | UG/G WET | | | 0.21 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.140 | UG/G WET | | | 0.040 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.02 | UG/G WET | | | 0.132 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.273 | UG/G WET | | | 0.022 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 51.9 | UG/G WET | | | 0.007 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0619 | UG/G WET | | | 0.015 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 21.7 | UG/G WET | | | 0.015 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0477 | UG/G WET | | | 0.001 |
| RWR-EW-5004-0000-01 | 1678*228 | MSL | NORMAL | 07/18/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00468 | UG/G WET | | | 0.002 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.263 | UG/G WET | | | 0.003 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 4859 | UG/G WET | | | 0.74 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 4.67 | UG/G WET | | | 0.12 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 8.02 | UG/G WET | | | 0.18 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 124 | UG/G WET | | | 0.012 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2098 | UG/G WET | | | 0.21 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.960 | UG/G WET | | | 0.25 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 2.69 | UG/G WET | | | 0.21 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 8.79 | UG/G WET | | | 0.048 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 112 | UG/G WET | | | 0.071 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.465 | UG/G WET | | | 0.022 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.305 | UG/G WET | | | 0.30 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.34 | UG/G WET | | | 0.21 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0477 | UG/G WET | | | 0.040 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.40 | UG/G WET | | | 0.132 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.180 | UG/G WET | | | 0.022 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 47.7 | UG/G WET | | | 0.007 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0681 | UG/G WET | | | 0.015 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 17.0 | UG/G WET | | | 0.015 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0414 | UG/G WET | | | 0.001 |
| CMS-EW-4001-0000-01 | 1678*229 | MSL | NORMAL | 07/18/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00436 | UG/G WET | | | 0.002 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.179 | UG/G WET | | | 0.003 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 2489 | UG/G WET | | | 0.74 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 3.64 | UG/G WET | | | 0.12 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 7.07 | UG/G WET | | | 0.18 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 85.6 | UG/G WET | | | 0.012 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1536 | UG/G WET | | | 0.21 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.704 | UG/G WET | | | 0.25 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 2.59 | UG/G WET | | | 0.21 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 9.33 | UG/G WET | | | 0.048 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 93.2 | UG/G WET | | | 0.071 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.610 | UG/G WET | | | 0.022 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.354 | UG/G WET | | | 0.30 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.18 | UG/G WET | | | 0.21 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0891 | UG/G WET | | | 0.040 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.85 | UG/G WET | | | 0.132 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.189 | UG/G WET | | | 0.022 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 29.4 | UG/G WET | | | 0.007 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0630 | UG/G WET | | | 0.015 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 54.6 | UG/G WET | | | 0.015 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0371 | UG/G WET | | | 0.001 |
| CMS-EW-4002-0000-01 | 1678*230 | MSL | NORMAL | 07/18/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00230 | UG/G WET | | | 0.002 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.297 | UG/G WET | | | 0.003 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 4325 | UG/G WET | | | 0.74 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 5.21 | UG/G WET | | | 0.12 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 9.63 | UG/G WET | | | 0.18 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 256 | UG/G WET | | | 0.012 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2583 | UG/G WET | | | 0.21 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 9.94 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 319 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 2494 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 1.16 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 3.35 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 17.3 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 70.8 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP/MS | 0.298 | G_DRY | 0.621 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 20.2 | 81.8 | FIAS | 0.298 | G_DRY | 0.248 | J | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 1.71 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | AES | 0.298 | G_DRY | 0.140 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 2.02 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 0.273 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP/MS | 0.298 | G_DRY | 51.9 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 0.0619 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | ICP-MS | 0.298 | G_DRY | 21.7 | J | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 0.677 | 81.8 | CVAA | 0.298 | G_DRY | 0.0477 | | | T |
| RWR-EW-5004-0000-01 | 1678*228 | | 1 | 81.8 | CVAF | 0.142 | G_DRY | 0.00468 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 0.263 | J | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 4859 | J | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 4.67 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 8.02 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 124 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 2098 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 0.960 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 2.69 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 8.79 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 112 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP/MS | 0.301 | G_DRY | 0.465 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 20.4 | 79.8 | FIAS | 0.301 | G_DRY | 0.305 | J | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 1.34 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | AES | 0.301 | G_DRY | 0.0477 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 2.40 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 0.180 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP/MS | 0.301 | G_DRY | 47.7 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 0.0681 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | ICP-MS | 0.301 | G_DRY | 17.0 | J | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 0.677 | 79.8 | CVAA | 0.301 | G_DRY | 0.0414 | | | T |
| CMS-EW-4001-0000-01 | 1678*229 | | 1 | 79.8 | CVAF | 0.187 | G_DRY | 0.00436 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 0.179 | J | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 2489 | J | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 3.64 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 7.07 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 85.6 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 1536 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 0.704 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 2.59 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 9.33 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 93.2 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP/MS | 0.296 | G_DRY | 0.610 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 20.1 | 83.6 | FIAS | 0.296 | G_DRY | 0.354 | J | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 1.18 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | AES | 0.296 | G_DRY | 0.0891 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 2.85 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 0.189 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP/MS | 0.296 | G_DRY | 29.4 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 0.0630 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | ICP-MS | 0.296 | G_DRY | 54.6 | J | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 0.679 | 83.6 | CVAA | 0.296 | G_DRY | 0.0371 | | | T |
| CMS-EW-4002-0000-01 | 1678*230 | | 1 | 83.6 | CVAF | 0.166 | G_DRY | 0.00230 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 0.297 | J | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 4325 | J | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 5.21 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 9.63 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 256 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 2583 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 1.12 | UG/G WET | | | 0.25 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 3.01 | UG/G WET | | | 0.21 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 11.7 | UG/G WET | | | 0.048 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 83.8 | UG/G WET | | | 0.071 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.600 | UG/G WET | | | 0.022 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.251 | UG/G WET | J | | 0.30 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.37 | UG/G WET | | | 0.21 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.105 | UG/G WET | | | 0.040 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 1.72 | UG/G WET | | | 0.132 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.241 | UG/G WET | | | 0.022 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 51.5 | UG/G WET | | | 0.007 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0645 | UG/G WET | | | 0.015 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 20.1 | UG/G WET | | | 0.015 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0535 | UG/G WET | | | 0.001 |
| CMS-EW-4003-0000-01 | 1678*231 | MSL | NORMAL | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00305 | UG/G WET | | | 0.002 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.135 | UG/G WET | | | 0.003 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 2231 | UG/G WET | | | 0.74 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 2.53 | UG/G WET | | | 0.12 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 3.20 | UG/G WET | | | 0.18 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 75.0 | UG/G WET | | | 0.012 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1135 | UG/G WET | | | 0.21 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.739 | UG/G WET | | | 0.25 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 1.19 | UG/G WET | | | 0.21 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 4.30 | UG/G WET | | | 0.048 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 214 | UG/G WET | | | 0.071 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.520 | UG/G WET | | | 0.022 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 5.22 | UG/G WET | | | 0.30 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.462 | UG/G WET | | | 0.21 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0759 | UG/G WET | | | 0.040 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 7.78 | UG/G WET | | | 0.132 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.103 | UG/G WET | | | 0.022 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 22.1 | UG/G WET | | | 0.007 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0681 | UG/G WET | | | 0.015 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 99.5 | UG/G WET | | | 0.015 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.151 | UG/G WET | | | 0.001 |
| LPX-EW-4004-0000-01 | 1678*232 | MSL | NORMAL | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00157 | UG/G WET | J | | 0.002 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.287 | UG/G WET | | | 0.003 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 5581 | UG/G WET | | | 0.74 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 5.76 | UG/G WET | | | 0.12 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 7.93 | UG/G WET | | | 0.18 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 169 | UG/G WET | | | 0.012 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2527 | UG/G WET | | | 0.21 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 1.07 | UG/G WET | | | 0.25 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 2.89 | UG/G WET | | | 0.21 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 11.4 | UG/G WET | | | 0.048 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 116 | UG/G WET | | | 0.071 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.592 | UG/G WET | | | 0.022 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.382 | UG/G WET | | | 0.30 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.14 | UG/G WET | | | 0.21 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0655 | UG/G WET | | | 0.040 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 2.51 | UG/G WET | | | 0.132 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.220 | UG/G WET | | | 0.022 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 47.7 | UG/G WET | | | 0.007 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0757 | UG/G WET | | | 0.015 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 21.3 | UG/G WET | | | 0.015 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0472 | UG/G WET | | | 0.001 |
| CMS-EW-4005-0000-01 | 1678*233 | MSL | NORMAL | 07/20/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00346 | UG/G WET | | | 0.002 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.0481 | UG/G WET | | | 0.003 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 1306 | UG/G WET | | | 0.74 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 1.91 | UG/G WET | | | 0.12 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 3.03 | UG/G WET | | | 0.18 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 23.5 | UG/G WET | | | 0.012 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1066 | UG/G WET | | | 0.21 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.386 | UG/G WET | | | 0.25 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 0.946 | UG/G WET | | | 0.21 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 10.7 | UG/G WET | | | 0.048 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 1.12 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 3.01 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 11.7 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 83.8 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP/MS | 0.300 | G_DRY | 0.600 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 20.3 | 80.7 | FIAS | 0.300 | G_DRY | 0.251 | J | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 1.37 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | AES | 0.300 | G_DRY | 0.105 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 1.72 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 0.241 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP/MS | 0.300 | G_DRY | 51.5 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 0.0645 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | ICP-MS | 0.300 | G_DRY | 20.1 | J | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 0.676 | 80.7 | CVAA | 0.300 | G_DRY | 0.0535 | | | T |
| CMS-EW-4003-0000-01 | 1678*231 | | 1 | 80.7 | CVAF | 0.185 | G_DRY | 0.00305 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 0.135 | J | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 2231 | J | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 2.53 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 3.20 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 75.0 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 1135 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 0.739 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 1.19 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 4.30 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 214 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP/MS | 0.302 | G_DRY | 0.520 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 198 | 81.3 | FIAS | 0.302 | G_DRY | 5.22 | J | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 0.462 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | AES | 0.302 | G_DRY | 0.0759 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 7.78 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 0.103 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP/MS | 0.302 | G_DRY | 22.1 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 0.0681 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | ICP-MS | 0.302 | G_DRY | 99.5 | J | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 0.657 | 81.3 | CVAA | 0.302 | G_DRY | 0.151 | | | T |
| LPX-EW-4004-0000-01 | 1678*232 | | 1 | 81.3 | CVAF | 0.182 | G_DRY | 0.00157 | J | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 0.287 | J | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 5581 | J | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 5.76 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 7.93 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 169 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 2527 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 1.07 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 2.89 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 11.4 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 116 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP/MS | 0.301 | G_DRY | 0.592 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 20.2 | 77.4 | FIAS | 0.301 | G_DRY | 0.382 | J | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 1.14 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | AES | 0.301 | G_DRY | 0.0655 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 2.51 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 0.220 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP/MS | 0.301 | G_DRY | 47.7 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 0.0757 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | ICP-MS | 0.301 | G_DRY | 21.3 | J | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 0.670 | 77.4 | CVAA | 0.301 | G_DRY | 0.0472 | | | T |
| CMS-EW-4005-0000-01 | 1678*233 | | 1 | 77.4 | CVAF | 0.173 | G_DRY | 0.00346 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.0481 | J | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 1306 | J | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 1.91 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 3.03 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 23.5 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 1066 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.386 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.946 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 10.7 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 141 | UG/G WET | | | 0.071 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 1.17 | UG/G WET | | | 0.022 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.328 | UG/G WET | | | 0.30 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.158 | UG/G WET | J | | 0.21 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0533 | UG/G WET | | | 0.040 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 3.01 | UG/G WET | | | 0.132 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.111 | UG/G WET | | | 0.022 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 31.7 | UG/G WET | | | 0.007 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0338 | UG/G WET | | | 0.015 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 34.7 | UG/G WET | | | 0.015 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0349 | UG/G WET | | | 0.001 |
| LPX-EW-4006-0000-01 | 1678*234 | MSL | NORMAL | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.000840 | UG/G WET | J | | 0.002 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.173 | UG/G WET | | | 0.003 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 3462 | UG/G WET | | | 0.74 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 3.44 | UG/G WET | | | 0.12 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 3.21 | UG/G WET | | | 0.18 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 42.9 | UG/G WET | | | 0.012 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1580 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.756 | UG/G WET | | | 0.25 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 1.63 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 7.13 | UG/G WET | | | 0.048 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 165 | UG/G WET | | | 0.071 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.526 | UG/G WET | | | 0.022 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.452 | UG/G WET | | | 0.30 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.219 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.182 | UG/G WET | | | 0.040 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 5.09 | UG/G WET | | | 0.132 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.198 | UG/G WET | | | 0.022 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 29.5 | UG/G WET | | | 0.007 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0667 | UG/G WET | | | 0.015 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 57.8 | UG/G WET | | | 0.015 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0302 | UG/G WET | | | 0.001 |
| LPX-EW-4007-0000-01 | 1678*235 | MSL | NORMAL | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.000927 | UG/G WET | J | | 0.002 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.294 | UG/G WET | | | 0.003 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 6144 | UG/G WET | | | 0.74 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 4.85 | UG/G WET | | | 0.12 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 9.89 | UG/G WET | | | 0.18 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 105 | UG/G WET | | | 0.012 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 2149 | UG/G WET | | | 0.21 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 1.00 | UG/G WET | | | 0.25 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 2.85 | UG/G WET | | | 0.21 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 7.52 | UG/G WET | | | 0.048 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 86.7 | UG/G WET | | | 0.071 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.407 | UG/G WET | B | | 0.022 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.237 | UG/G WET | J | | 0.30 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 1.31 | UG/G WET | | | 0.21 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.0460 | UG/G WET | | | 0.040 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 1.68 | UG/G WET | | | 0.132 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.153 | UG/G WET | | | 0.022 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 61.2 | UG/G WET | | | 0.007 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0874 | UG/G WET | | | 0.015 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 15.4 | UG/G WET | | | 0.015 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0315 | UG/G WET | | | 0.001 |
| CMS-DU-072001-A | 1678*236 | MSL | REPLICATE | 07/20/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00274 | UG/G WET | | | 0.002 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 4 | % DIFFERENCE | | | 4.0 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 84 | % DIFFERENCE | - | | 0.96 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 15 | % DIFFERENCE | | | 0.064 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 4 | % DIFFERENCE | | | 1.12 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 14 | % DIFFERENCE | | | 1.34 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 88 | % DIFFERENCE | - | | 1.14 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 2 | % DIFFERENCE | | | 0.26 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 11 | % DIFFERENCE | | | 0.384 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 11 | % DIFFERENCE | | | 0.12 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 27 | % DIFFERENCE | & | | 1.6 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 14 | % DIFFERENCE | | | 0.216 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 6 | % DIFFERENCE | | | 0.712 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 141 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP/MS | 0.298 | G_DRY | 1.17 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 19.9 | 85.1 | FIAS | 0.298 | G_DRY | 0.328 | J | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.158 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | AES | 0.298 | G_DRY | 0.0533 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 3.01 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.111 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP/MS | 0.298 | G_DRY | 31.7 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 0.0338 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | ICP-MS | 0.298 | G_DRY | 34.7 | J | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 0.669 | 85.1 | CVAA | 0.298 | G_DRY | 0.0349 | | | T |
| LPX-EW-4006-0000-01 | 1678*234 | | 1 | 85.1 | CVAF | 0.172 | G_DRY | 0.000840 | J | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 0.173 | J | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 3462 | J | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 3.44 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 3.21 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 42.9 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 1580 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 0.756 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 1.63 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 7.13 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 165 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP/MS | 0.296 | G_DRY | 0.526 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 20.1 | 81.0 | FIAS | 0.296 | G_DRY | 0.452 | J | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 0.219 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | AES | 0.296 | G_DRY | 0.182 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 5.09 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 0.198 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP/MS | 0.296 | G_DRY | 29.5 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 0.0667 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | ICP-MS | 0.296 | G_DRY | 57.8 | J | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 0.678 | 81.0 | CVAA | 0.296 | G_DRY | 0.0302 | | | T |
| LPX-EW-4007-0000-01 | 1678*235 | | 1 | 81.0 | CVAF | 0.160 | G_DRY | 0.000927 | J | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 0.294 | J | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 6144 | J | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 4.85 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 9.89 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 105 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 2149 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 1.00 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 2.85 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 7.52 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 86.7 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP/MS | 0.296 | G_DRY | 0.407 | | | T |
| CMS-DU-072001-A | 1678*236 | | 20.6 | 77.0 | FIAS | 0.296 | G_DRY | 0.237 | J | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 1.31 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | AES | 0.296 | G_DRY | 0.0460 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 1.68 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 0.153 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP/MS | 0.296 | G_DRY | 61.2 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 0.0874 | | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | ICP-MS | 0.296 | G_DRY | 15.4 | J | | T |
| CMS-DU-072001-A | 1678*236 | | 0.697 | 77.0 | CVAA | 0.296 | G_DRY | 0.0315 | | | T |
| CMS-DU-072001-A | 1678*236 | | 1 | 77.0 | CVAF | 0.186 | G_DRY | 0.00274 | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP/MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 40.2 | NA | FIAS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | AES | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 25 | % DIFFERENCE | | | 0.08 |
| | DOLT-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 14 | % DIFFERENCE | | | 0.008 |
| | DOLT-2 (mean) | MSL | SRM | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 5 | % DIFFERENCE | | | 0.01 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 32 | % DIFFERENCE | & | | 4.0 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 17 | % DIFFERENCE | | | 0.96 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 15 | % DIFFERENCE | | | 0.064 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 5 | % DIFFERENCE | | | 1.12 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 13 | % DIFFERENCE | | | 1.34 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 22 | % DIFFERENCE | | | 1.14 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 17 | % DIFFERENCE | | | 0.26 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 0 | % DIFFERENCE | | | 0.384 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 6 | % DIFFERENCE | | | 0.12 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 38 | % DIFFERENCE | - | | 1.6 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 46 | % DIFFERENCE | - | | 0.216 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 11 | % DIFFERENCE | | | 0.712 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 1093 | % DIFFERENCE | - | | 0.08 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 57 | % DIFFERENCE | - | | 0.08 |
| | DORM-2 (mean) | MSL | SRM | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 2 | % DIFFERENCE | | | 0.008 |
| | DORM-2 (mean) | MSL | SRM | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 3 | % DIFFERENCE | | | 0.01 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | BERYLLIUM | 7440-41-7 | M | L-44 | 102 | % RECOVERY | | | 0.016 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 89 | % RECOVERY | | | 4.0 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | VANADIUM | 7440-62-2 | M | L-44 | 97 | % RECOVERY | | | 0.64 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 101 | % RECOVERY | | | 0.96 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 102 | % RECOVERY | | | 0.064 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 103 | % RECOVERY | | | 1.34 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 102 | % RECOVERY | | | 1.14 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 101 | % RECOVERY | | | 0.26 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 104 | % RECOVERY | | | 0.384 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 100 | % RECOVERY | | | 0.12 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 77 | % RECOVERY | | | 1.6 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | MOLYBDENUM | 13939-06-5 | M | L-42 | 101 | % RECOVERY | | | 1.15 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 79 | % RECOVERY | | | 0.216 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 97 | % RECOVERY | | | 0.712 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | ANTIMONY | 7440-36-0 | M | L-42 | 97 | % RECOVERY | | | 0.12 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | BARIUM | 7440-39-3 | M | L-42 | 103 | % RECOVERY | | | 0.04 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 101 | % RECOVERY | | | 0.08 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 104 | % RECOVERY | | | 0.08 |
| | BLANK SPIKE (mean) | MSL | LCS | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 111 | % RECOVERY | | | 0.008 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | BERYLLIUM | 7440-41-7 | M | L-44 | 0.00677 | UG/G DRY | J | | 0.016 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | ALUMINUM | 7429-90-5 | M | L-44 | 0.782 | UG/G DRY | J | | 4.0 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | VANADIUM | 7440-62-2 | M | L-44 | 0.0320 | UG/G DRY | J | | 0.64 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | CHROMIUM | 7440-47-3 | M | L-44 | 0.126 | UG/G DRY | J | | 0.96 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | MANGANESE | 7439-96-5 | M | L-44 | 0.00586 | UG/G DRY | J | | 0.064 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | IRON | 7439-89-6 | M | L-44 | 0.528 | UG/G DRY | J | | 1.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | COBALT | 7440-48-4 | M | L-42 | 0.00321 | UG/G DRY | J | | 1.34 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | NICKEL | 7440-02-0 | M | L-42 | 0.0350 | UG/G DRY | J | | 1.14 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | COPPER | 7440-50-8 | M | L-42 | 0.0590 | UG/G DRY | J | | 0.26 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | ZINC | 7440-66-6 | M | L-44 | 0.620 | UG/G DRY | B | | 0.384 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | ARSENIC | 7440-38-2 | M | L-42 | 0.220 | UG/G DRY | B | | 0.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/08/01 | | NA | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.0105 | UG/G DRY | J | | 1.6 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.0101 | UG/G DRY | J | | 1.15 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 11/10/01 | | NA | SILVER | 7440-22-4 | M | L-44 | 0.216 | UG/G DRY | U | | 0.216 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | CADMIUM | 7440-43-9 | M | L-42 | 0.0191 | UG/G DRY | J | | 0.712 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | ANTIMONY | 7440-36-0 | M | L-42 | 0.00698 | UG/G DRY | J | | 0.12 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | BARIUM | 7440-39-3 | M | L-42 | 0.0269 | UG/G DRY | J | | 0.04 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | THALLIUM | 7440-28-0 | M | L-42 | 0.00467 | UG/G DRY | J | | 0.08 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/20/01 | | NA | LEAD | 7439-92-1 | M | L-42 | 0.0178 | UG/G DRY | J | | 0.08 |
| | BLANK (mean) | MSL | P_BLANK | NA | 09/14/01 | 09/19/01 | | NA | MERCURY | 7439-97-6 | M | L-41 | 0.008 | UG/G DRY | U | | 0.008 |
| | BLANK (mean) | MSL | P_BLANK | NA | 08/27/01 | 08/30/01 | | NA | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.01 | UG/G DRY | U | | 0.01 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 109 | % RECOVERY | | | 0.003 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 0 | % RECOVERY | - | | 0.74 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 98 | % RECOVERY | | | 0.12 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 102 | % RECOVERY | | | 0.18 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 54 | % RECOVERY | - | | 0.012 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 0 | % RECOVERY | - | | 0.21 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 93 | % RECOVERY | | | 0.25 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DOLT-2 (mean) | | 0.669 | NA | ICP-MS | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 2 | NA | CVAA | 0.301 | G_DRY | | | | T |
| | DOLT-2 (mean) | | 1 | NA | CVAF | 0.164 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP/MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 19.87 | NA | FIAS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | AES | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 0.657 | NA | ICP-MS | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 7 | NA | CVAA | 0.303 | G_DRY | | | | T |
| | DORM-2 (mean) | | 1 | NA | CVAF | 0.041 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 41.9 | NA | FIAS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | AES | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.692 | NA | ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.691 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 0.699 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK SPIKE (mean) | | 7 | NA | CVAA | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 20.7 | NA | Blank results (LAB, MDL) reported on dry weight basis; FIAS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; AES | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP/MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 0.689 | NA | Blank results (LAB, MDL) reported on dry weight basis; ICP-MS | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 2 | NA | Blank results (LAB, MDL) reported on dry weight basis; CVAA | 0.300 | G_DRY | | | | T |
| | BLANK (mean) | | 1 | NA | Blank results (LAB, MDL) reported on dry weight basis; CVAF | 0.200 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.679 | NA | ICP-MS | 0.302 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.679 | NA | ICP-MS | 0.302 | G_DRY | | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 95 | % RECOVERY | | | 0.21 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 90 | % RECOVERY | | | 0.048 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 86 | % RECOVERY | | | 0.071 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 97 | % RECOVERY | | | 0.022 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 89 | % RECOVERY | | | 0.30 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 98 | % RECOVERY | | | 0.21 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 101 | % RECOVERY | | | 0.040 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 95 | % RECOVERY | | | 0.132 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 98 | % RECOVERY | | | 0.022 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 94 | % RECOVERY | | | 0.007 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 101 | % RECOVERY | | | 0.015 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 100 | % RECOVERY | | | 0.015 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | MSL | MS | 07/16/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 105 | % RECOVERY | | | 0.001 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 105 | % RECOVERY | | | 0.016 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 0 | % RECOVERY | ~ | | 4.0 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 99 | % RECOVERY | | | 0.64 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 97 | % RECOVERY | | | 0.96 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 66 | % RECOVERY | ~ | | 0.064 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 0 | % RECOVERY | ~ | | 1.12 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 94 | % RECOVERY | | | 1.34 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 91 | % RECOVERY | | | 1.14 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 88 | % RECOVERY | | | 0.26 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 84 | % RECOVERY | | | 0.384 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 98 | % RECOVERY | | | 0.12 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 92 | % RECOVERY | | | 1.6 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 96 | % RECOVERY | | | 1.15 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 70 | % RECOVERY | | | 0.216 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 94 | % RECOVERY | | | 0.712 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 100 | % RECOVERY | | | 0.12 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 90 | % RECOVERY | | | 0.04 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 94 | % RECOVERY | | | 0.08 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 90 | % RECOVERY | | | 0.08 |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | MSL | MSD | 07/16/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 103 | % RECOVERY | | | 0.008 |
| LPX-EW-4007-0000-01 | MATRIX SPIKE 1678*235 | MSL | MS | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 98 | % RECOVERY | | | 0.002 |
| LPX-EW-4007-0000-01 | MATRIX SPIKE DUP 1678*235 | MSL | MSD | 07/19/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 100 | % RECOVERY | | | 0.002 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BERYLLIUM | 7440-41-7 | M | L-42 | 0.243 | UG/G WET | | | 0.003 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ALUMINUM | 7429-90-5 | M | L-44 | 3558 | UG/G WET | | | 0.74 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | VANADIUM | 7440-62-2 | M | L-44 | 3.55 | UG/G WET | | | 0.12 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | CHROMIUM | 7440-47-3 | M | L-44 | 3.67 | UG/G WET | | | 0.18 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | MANGANESE | 7439-96-5 | M | L-44 | 45.2 | UG/G WET | | | 0.012 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | IRON | 7439-89-6 | M | L-44 | 1607 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COBALT | 7440-48-4 | M | L-42 | 0.764 | UG/G WET | | | 0.25 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | NICKEL | 7440-02-0 | M | L-42 | 1.68 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | COPPER | 7440-50-8 | M | L-42 | 7.18 | UG/G WET | | | 0.048 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | ZINC | 7440-66-6 | M | L-44 | 166 | UG/G WET | | | 0.071 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ARSENIC | 7440-38-2 | M | L-42 | 0.526 | UG/G WET | | | 0.022 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/08/01 | | 9 | SELENIUM | 7782-49-2 | M | MSL-I-30 | 0.428 | UG/G WET | | | 0.30 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | MOLYBDENUM | 13939-06-5 | M | L-42 | 0.217 | UG/G WET | | | 0.21 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 11/10/01 | | 9 | SILVER | 7440-22-4 | M | L-44 | 0.277 | UG/G WET | | | 0.040 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | CADMIUM | 7440-43-9 | M | L-42 | 5.13 | UG/G WET | | | 0.132 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | ANTIMONY | 7440-36-0 | M | L-42 | 0.189 | UG/G WET | | | 0.022 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | BARIUM | 7440-39-3 | M | L-42 | 30.0 | UG/G WET | | | 0.007 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | THALLIUM | 7440-28-0 | M | L-42 | 0.0616 | UG/G WET | | | 0.015 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/20/01 | | 9 | LEAD | 7439-92-1 | M | L-42 | 58.5 | UG/G WET | | | 0.015 |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | MSL | DUPLICATE | 07/19/01 | 09/14/01 | 09/19/01 | | 9 | MERCURY | 7439-97-6 | M | L-41 | 0.0319 | UG/G WET | | | 0.001 |
| CMS-EW-4001-0000-01 | 1678*229 DUPLICATE | MSL | DUPLICATE | 07/18/01 | 08/30/01 | 09/13/01 | | 9 | METHYL MERCURY | 22967-92-6 | M | L-40 | 0.00424 | UG/G WET | | | 0.002 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.679 | NA | ICP/MS | 0.302 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 41.0 | NA | FIAS | 0.302 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | AES | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.679 | NA | ICP-MS | 0.302 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP/MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 0.663 | NA | ICP-MS | 0.300 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE 1678*226 | | 7 | NA | CVAA | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.667 | NA | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.667 | NA | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP-MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP-MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | AES | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.667 | NA | ICP/MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 40.6 | NA | FIAS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP-MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.734 | NA | AES | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP-MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.667 | NA | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP/MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.734 | NA | ICP-MS | 0.304 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 0.671 | NA | ICP-MS | 0.299 | G_DRY | | | | T |
| RWR-EW-5002-0000-01 | MATRIX SPIKE DUP 1678*226 | | 7 | NA | CVAA | 0.304 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | MATRIX SPIKE 1678*235 | | 1 | NA | CVAF | 0.154 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | MATRIX SPIKE DUP 1678*235 | | 1 | NA | CVAF | 0.155 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP/MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 20.2 | 81.0 | FIAS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | AES | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP/MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | ICP-MS | 0.296 | G_DRY | | | | T |
| LPX-EW-4007-0000-01 | 1678*235 DUPLICATE | | 0.681 | 81.0 | CVAA | 0.296 | G_DRY | | | | T |
| CMS-EW-4001-0000-01 | 1678*229 DUPLICATE | | 1 | 79.8 | CVAF | 0.175 | G_DRY | | | | T |

# Section 5
# Lipid Content Results

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | W6545DUP | BATD | DUPLICATE | 07/19/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.14 | %WET | | | 0.01 |
| RWR-EW-5002-0000-01 | W6537 | BATD | NORMAL | 07/16/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.04 | %WET | | | 0.01 |
| CMS-EW-4003-0000-01 | W6545 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.16 | %WET | | | 0.01 |
| RWR-EW-5001-0000-01 | W6536 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 5.16 | %WET | | | 0.01 |
| RWR-EW-5003-0000-01 | W6538 | BATD | NORMAL | 07/17/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.59 | %WET | | | 0.01 |
| RWR-EW-5004-0000-01 | W6539 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.62 | %WET | | | 0.01 |
| LPX-EW-4004-0000-01 | W6540 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.29 | %WET | | | 0.01 |
| LPX-EW-4006-0000-01 | W6541 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.21 | %WET | | | 0.01 |
| LPX-EW-4007-0000-01 | W6542 | BATD | NORMAL | 07/19/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.08 | %WET | | | 0.01 |
| CMS-EW-4001-0000-01 | W6543 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.92 | %WET | | | 0.01 |
| CMS-EW-4002-0000-01 | W6544 | BATD | NORMAL | 07/18/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.67 | %WET | | | 0.01 |
| CMS-EW-4005-0000-01 | W6546 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.04 | %WET | | | 0.01 |
| CMS-DU-072001-A | W6547 | BATD | NORMAL | 07/20/01 | 10/30/01 | 11/01/01 | | 01-571 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.36 | %WET | | | 0.01 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CMS-EW-4003-0000-01 | W6545DUP | | 1.00 | | DCM Extractable Lipid | 19.80 | G_WET | 3.14 | | | T |
| RWR-EW-5002-0000-01 | W6537 | | 1.00 | | DCM Extractable Lipid | 20.26 | G_WET | 3.04 | | | T |
| CMS-EW-4003-0000-01 | W6545 | | 1.00 | | DCM Extractable Lipid | 19.84 | G_WET | 2.16 | | | T |
| RWR-EW-5001-0000-01 | W6536 | | 1.00 | | DCM Extractable Lipid | 11.39 | G_WET | 5.16 | | | T |
| RWR-EW-5003-0000-01 | W6538 | | 1.00 | | DCM Extractable Lipid | 19.69 | G_WET | 2.59 | | | T |
| RWR-EW-5004-0000-01 | W6539 | | 1.00 | | DCM Extractable Lipid | 20.13 | G_WET | 3.62 | | | T |
| LPX-EW-4004-0000-01 | W6540 | | 1.00 | | DCM Extractable Lipid | 20.08 | G_WET | 2.29 | | | T |
| LPX-EW-4006-0000-01 | W6541 | | 1.00 | | DCM Extractable Lipid | 16.81 | G_WET | 2.21 | | | T |
| LPX-EW-4007-0000-01 | W6542 | | 1.00 | | DCM Extractable Lipid | 20.74 | G_WET | 3.08 | | | T |
| CMS-EW-4001-0000-01 | W6543 | | 1.00 | | DCM Extractable Lipid | 19.06 | G_WET | 3.92 | | | T |
| CMS-EW-4002-0000-01 | W6544 | | 1.00 | | DCM Extractable Lipid | 19.80 | G_WET | 2.67 | | | T |
| CMS-EW-4005-0000-01 | W6546 | | 1.00 | | DCM Extractable Lipid | 20.14 | G_WET | 3.04 | | | T |
| CMS-DU-072001-A | W6547 | | 1.00 | | DCM Extractable Lipid | 20.22 | G_WET | 2.36 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | W6487DUP | BATD | DUPLICATE | 07/05/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.02 | %WET | | | 0.01 |
| RWR-CF-5003-0000-01 | W6478 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.49 | %WET | | | 0.01 |
| RWR-CF-5004-0000-01 | W6487 | BATD | NORMAL | 07/05/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.70 | %WET | | | 0.01 |
| LPX-CF-4002-0000-01 | W6476 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.56 | %WET | | | 0.01 |
| CMS-CF-4006-0000-01 | W6477 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.91 | %WET | | | 0.01 |
| GMP-CF-5001-0000-01 | W6479 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.77 | %WET | | | 0.01 |
| LPX-CF-4004-0000-01 | W6480 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.29 | %WET | | | 0.01 |
| CMS-CF-4007-0000-01 | W6481 | BATD | NORMAL | 07/04/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.33 | %WET | | | 0.01 |
| RAB-CF-5004-0000-01 | W6482 | BATD | NORMAL | 06/27/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.30 | %WET | | | 0.01 |
| GMP-CF-5002-0000-01 | W6483 | BATD | NORMAL | 07/02/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.66 | %WET | | | 0.01 |
| WRL-CF-4005-0000-01 | W6484 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 1.95 | %WET | | | 0.01 |
| LPX-CF-4001-0000-01 | W6485 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.90 | %WET | | | 0.01 |
| CMS-CF-4003-0000-01 | W6486 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 3.14 | %WET | | | 0.01 |
| LPX-CF-4001-0000-01 | W6834 | BATD | NORMAL | 07/03/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 2.50 | %WET | | | 0.01 |
| LPX-CF-4004-0000-01 | W6835 | BATD | NORMAL | 07/09/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 1.92 | %WET | | | 0.01 |
| WRL-CF-4005-0000-01 | W6836 | BATD | NORMAL | 06/29/01 | 11/08/01 | 11/09/01 | | 01-587 | Lipid Content | | Wet | BATD_SOP_5_190 | 1.98 | %WET | | | 0.01 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RWR-CF-5004-0000-01 | W6487DUP | | 1.00 | | DCM Extractable Lipid | 19.89 | G_WET | 3.02 | | | T |
| RWR-CF-5003-0000-01 | W6478 | | 1.00 | | DCM Extractable Lipid | 19.96 | G_WET | 2.49 | | | T |
| RWR-CF-5004-0000-01 | W6487 | | 1.00 | | DCM Extractable Lipid | 19.90 | G_WET | 2.70 | | | T |
| LPX-CF-4002-0000-01 | W6476 | | 1.00 | | DCM Extractable Lipid | 19.93 | G_WET | 2.56 | | | T |
| CMS-CF-4006-0000-01 | W6477 | | 1.00 | | DCM Extractable Lipid | 19.93 | G_WET | 2.91 | | | T |
| GMP-CF-5001-0000-01 | W6479 | | 1.00 | | DCM Extractable Lipid | 9.94 | G_WET | 3.77 | | | T |
| LPX-CF-4004-0000-01 | W6480 | | 1.00 | | DCM Extractable Lipid | 20.15 | G_WET | 2.29 | | | T |
| CMS-CF-4007-0000-01 | W6481 | | 1.00 | | DCM Extractable Lipid | 19.99 | G_WET | 2.33 | | | T |
| RAB-CF-5004-0000-01 | W6482 | | 1.00 | | DCM Extractable Lipid | 19.92 | G_WET | 2.30 | | | T |
| GMP-CF-5002-0000-01 | W6483 | | 1.00 | | DCM Extractable Lipid | 19.93 | G_WET | 2.66 | | | T |
| WRL-CF-4005-0000-01 | W6484 | | 1.00 | | DCM Extractable Lipid | 19.98 | G_WET | 1.95 | | | T |
| LPX-CF-4001-0000-01 | W6485 | | 1.00 | | DCM Extractable Lipid | 20.15 | G_WET | 2.90 | | | T |
| CMS-CF-4003-0000-01 | W6486 | | 1.00 | | DCM Extractable Lipid | 19.98 | G_WET | 3.14 | | | T |
| LPX-CF-4001-0000-01 | W6834 | | 1.00 | | DCM Extractable Lipid | 6.73 | G_WET | 2.50 | | | T |
| LPX-CF-4004-0000-01 | W6835 | | 1.00 | | DCM Extractable Lipid | 8.13 | G_WET | 1.92 | | | T |
| WRL-CF-4005-0000-01 | W6836 | | 1.00 | | DCM Extractable Lipid | 8.03 | G_WET | 1.98 | | | T |

| SAMPLE_NO | LAB_ID | LABORATORY | QC_TYPE | SAMP_DATE | EXTR_DATE | ANAL_DATE | CASE | SDG | PARAMETER | CAS_NO | CLASS | METHOD | LAB_RESULT | UNITS | LAB_QUAL | IDL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EI-4006-4010-0000-01 | 48401-99-17 | BCO | NORMAL | 06/25/01 | 09/19/01 | 04/03/02 | | 49038-21 | Lipid Content | | WET | MOD 1613B | 2.49 | %WET | | | 0.01 |
| GMP-EI-5001-5005-0000-01 | 48401-99-18 | BCO | NORMAL | 06/25/01 | 09/19/01 | 04/03/02 | | 49038-21 | Lipid Content | | WET | MOD 1613B | 2.82 | %WET | | | 0.01 |

| SAMPLE_NO | LAB_ID | CRDL_CRQL | DIL_FACTOR | PCT_MOIST | COMMENTS | SAMPLE_SIZE | SAMPLE_SIZE_UNITS | FINAL_RESULT | FINAL_QUAL | VALID_COMMENT | FRACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LPX-EI-4006-4010-0000-01 | 48401-99-17 | | 1.00 | | Lab Extraction ID = 49038-21-18; DCM:Hexane Extractable Lipid | 0.63 | G_WET | 2.49 | | | T |
| GMP-EI-5001-5005-0000-01 | 48401-99-18 | | 1.00 | | Lab Extraction ID = 49038-21-19; DCM:Hexane Extractable Lipid | 2.53 | G_WET | 2.82 | | | T |

# Section 6
# Third Party Validation Reports

***Validator findings reported here may include results from non-diet samples (e.g., fish). Only validator findings specific to diet samples are applicable to this data report.***

Steve Stodola
US EPA Approval Signature

8/28/02
Date

August 16, 2002
B-02-08-Y-1

Ms. Christine Clark
Regional Sample Control Custodian
Office of Environmental Measurement and Evaluation
U.S. EPA Region I
11 Technology Drive
North Chelmsford, MA 01863

Re: TO No. 10, Task No. 2, TDF No. 0456
Case No. Diet Tissue B1OF2, SDG No. 49038-21 D/F
Battelle Laboratories - Columbus, OH
Centredale Manor, North Providence, RI

Dioxin/Furan, HCX and TCX:14/Diet Tissue/CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5001-0000-01, GMP-CF-5002-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01, LPX-CF-4004-0000-01, LPX-EI-4006-4010-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01

1/Fish Tissue SRM/CIL EDF 2526

Dear Ms. Clark:

A Tier III data validation was performed on the Dioxin/Furan, HCX, and TCX analytical data for 14 diet tissue samples collected by Harding ESE, Inc. for the U.S. EPA at the Centredale Manor Site in North Providence, RI. The samples were analyzed according to EPA Method 1613B, September 15, 1997. The samples were validated using first the criteria in the Centredale Manor Tasks 19-22 QAPP (5/23/01) prepared by Battelle Duxbury Operations which include the criteria in EPA Method 1613B, September 15, 1997, defaulting next to Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria, and to EPA Region I's Environmental Services Assistance Team Dioxin Data Validation SOP ESAT-01-0007 (01/31/01). The criteria for HCX and TCX are documented in Battelle's December 7, 2001 letter to EPA. See the Supporting Documentation section. The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness (CSF Audit - Tier I)
- * Preservation and Technical Holding Times

- PE Samples/Accuracy Check
- * Window Defining Mix
- Initial and Continuing Calibrations
- Chromatographic Resolution
- * Instrument Sensitivity Check
- Blanks
- Matrix Spike/Matrix Spike Duplicate
- * Laboratory Control Sample/Laboratory Control Sample Duplicate
- * Laboratory and Field Duplicates
- Internal/Clean-up Standards
- * Sample Analysis and Identification
- Sample Quantitation
- * Estimated Detection Limits (EDL) and Estimated Maximum Possible Concentration (EMPC)
- 2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity
- * Required Sample Reruns and Second Column Confirmation
- System Performance

* - All criteria were met for this parameter.

**<u>The following information was used to generate the Data Validation Memorandum attachments:</u>**

Table I: Recommendation Summary Table - summarizes validation recommendations

Table II: Overall Evaluation of Data - summarizes site objectives and potential usability issues

Data Summary Tables - summarize accepted, qualified, and rejected data

**<u>Overall Evaluation of Data and Potential Usability Issues</u>**

The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):

- To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA).

One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). Six out of seventeen congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since the six congeners had low recoveries, the results for six dioxin/furan congeners in all samples were estimated (J, UJ) due to the possibility of biased low results.

The TCX initial calibration % RSD was noncompliant. The laboratory did not perform additional quality control procedures, neither a laboratory control sample nor matrix spike samples, for the TCX analysis. Therefore, the results of the initial calibration standards were investigated. The low standards in the multi-point initial calibration had an erratic response. The laboratory used the lowest standard as the reporting limit for the non-detected results. The erratic response would indicate that this may not be an appropriate reporting limit. Therefore, the TCX

results were rejected (R).

The method blank had low level contamination. The method blank contamination does not impact data usability. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.

Data validation indicated minor data quality problems which do not significantly impact the usability of the dioxin/furan data. However, the TCX data were rejected. See the discussion below for details. The reported results are usable for the site objectives.

**Data Completeness (CSF Audit - Tier I)**

The following data or information in the data package had discrepancies and/or were missing:

1. The laboratory was asked to submit the extraction log for sample 49038-21-10(RWR-CF-5004-0000-01).

2. The extraction log lists a sample weight of 3.0216g for sample 49038-21-13 (GMP-CF-5001-0000-01), whereas, the Form I lists the sample weight as 3.2016g. The laboratory was asked to reconcile this discrepancy and submit corrected forms.

3 The laboratory was asked to submit the EDLs for 12378-PeCDD and Total PeCDD for sample LPX-CF-4002.

4. The laboratory was asked to resubmit the Form I and quantitation report for sample 49038-21-13 (GMP-CF-5001-0000-01), there were discrepancies between the Form Is and the quantitation reports.

Items 1 thru 3 were requested via the TOPO on July 10, 2002. Item 4 was requested via the TOPO on July 31, 2002. Items 1 thru 3 were received via the TOPO on July 31, 2002. Item 4 was received via the TOPO on August 5, 2002. All items were adequately addressed.

**PE Samples/Accuracy Check**

One CIL Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). Six out of seventeen congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value.

The following table summarizes the SRM sample (49038-21-21 FISH SRM) results which did not meet the criterion and the resulting sample qualifications:

| PE Sample Number | Congener | %D from the consensus value | Action | |
|---|---|---|---|---|
| | | | Positive Detects | NDs |
| CIL EDF 2526 | 123478-HxCDD | 41 | J | UJ |
| CIL EDF 2526 | 123789-HxCDD | 36 | J | UJ |
| CIL EDF 2526 | 1234678-HpCDD | 33 | J | UJ |
| CIL EDF 2526 | 123678-HxCDF | 33 | J | UJ |
| CIL EDF 2526 | 123789-HxCDF | 37 | J | UJ |
| CIL EDF 2526 | 1234678-HpCDF | 33 | J | UJ |

Since all of the above referenced congeners had low recoveries, and large %Ds, the results for the above referenced dioxin/furans in all samples were estimated (J, UJ) due to the possibility of biased low results.

The laboratory documented in their report that the low recoveries of the congeners in the SRM may be due to the lipid content. A smaller amount of SRM was extracted to bring the lipid content of the SRM in line with that of the samples.

**Initial and Continuing Calibrations**

The following table summarizes the Initial Calibration (IC) which did not meet the criterion specified in Centredale Manor Tasks 19-22 QAPP (5/23/01) of RSD ≤25 % and the resulting sample qualifications:

| IC Date | Compound | % RSD | Action | | Affected Samples |
|---|---|---|---|---|---|
| | | | Positive Detects | NDs | |
| 07/20/01 | TCX | 30 | J* | UJ* | All |

* See the following discussion.

The TCX initial calibration % RSD was noncompliant. The laboratory did not perform additional quality control procedures, neither a laboratory control sample nor matrix spike samples, for the TCX analysis. Therefore, the results of the initial calibration standards were investigated. The low standards in the multi-point initial calibration had an erratic response. The laboratory used the lowest standard as the reporting limit for the non-detected results. The erratic response would indicate that this may not be an appropriate reporting limit. Therefore, the TCX results were rejected (R).

**Chromatographic Resolution**

The hexachloroxanthene (HCX) peaks exhibit poor chromatography, i.e., broad shape. The broad peak shape created irregularities in the response factors used to calculate the concentrations of HCX. Therefore, professional judgement was used to estimate (J, UJ) all HCX results due to the poor chromatography.

The laboratory flagged the 2378-TCDF values in samples: CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, and RWR-CF-5004-0000-01, with an "E" to indicate chromatographic interference. Estimate (J) the 2378-TCDF value in referenced samples due to chromatographic interference.

**Blanks**

All of the blanks associated with this SDG were evaluated for possible sources of contamination. The following table summarizes the highest concentration of contamination that was detected in the blanks. The table lists the action levels and the samples affected:

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| 12378-PeCDD | Method Blank (9/29/01) (10g sample size) | 0.23 | 1.1 | RWR-CF-5003-0000-01 |
| 12378-PeCDD | Method Blank (9/29/01) (5g sample size) | 0.46 | 2.3 | GMP-CF-5001-0000-01 |
| 123478-HxCDD | Method Blank (9/29/01) (10g sample size) | 0.40 | 2.0 | CMS-CF-4006-0000-01, GMP-CF-5002-0000-01 |
| 123478-HxCDD | Method Blank (9/29/01) (2.5g sample size) | 1.6 | 8.0 | GMP-EI-5001-5005-0000-01 |
| 123678-HxCDD | Method Blank (9/29/01) (0.5g sample size) | 7.2 | 36 | LPX-EI-4006-4010-000-01 |
| 123678-HxCDD | Method Blank (9/29/01) (10g sample size) | 0.36 | 1.8 | CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RWR-CF-5003-0000-01 |
| 123678-HxCDD | Method Blank (9/29/01) (5g sample size) | 0.72 | 3.6 | LPX-CF-4001-0000-01 |
| 123678-HxCDD | Method Blank (9/29/01) (2.5g sample size) | 1.4 | 7.2 | GMP-EI-5001-5005-0000-01 |

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| 123789-HxCDD | Method Blank (9/29/01) (10g sample size) | 0.24 | 1.2 | CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01 |
| 123789-HxCDD | Method Blank (9/29/01) (5g sample size) | 0.47 | 2.4 | LPX-CF-4001-0000-01 |
| 123789-HxCDD | Method Blank (9/29/01) (2.5g sample size) | 0.94 | 4.7 | GMP-EI-5001-5005-0000-01 |
| 1234678-HpCDD | Method Blank (9/29/01) (0.5g sample size) | 15 | 75 | LPX-EI-4006-4010-0000-01 |
| 1234678-HpCDD | Method Blank (9/29/01) (10g sample size) | 0.75 | 3.8 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01 |
| 1234678-HpCDD | Method Blank (9/29/01) (5g sample size) | 1.5 | 7.5 | LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| 1234678-HpCDD | Method Blank (9/29/01) (2.5 sample size) | 3.0 | 15 | GMP-EI-5001-5005-0000-01 |
| OCDD | Method Blank (9/29/01) (0.5 sample size) | 67 | 670 | LPX-EI-4006-4010-0000-01 |
| OCDD | Method Blank (9/29/01) (10g sample size) | 3.4 | 34 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01 |
| OCDD | Method Blank (9/29/01) (5g sample size) | 6.7 | 67 | GMP-CF-5001-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| OCDD | Method Blank (9/29/01) (2.5g sample size) | 13 | 130 | GMP-EI-5001-5005-0000-01 |

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| 123478-HxCDF | Method Blank (9/29/01) (10g sample size) | 0.44 | 2.2 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01 |
| 123478-HxCDF | Method Blank (9/29/01) (5g sample size) | 0.87 | 4.4 | GMP-CF-5001-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| 123478-HxCDF | Method Blank (9/29/01) (2.5g sample size) | 1.7 | 8.7 | GMP-EI-5001-5005-0000-01 |
| 123678-HxCDF | Method Blank (9/29/01) (10g sample size) | 0.36 | 1.8 | CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, WRL-CF-4005-0000-01 |
| 123678-HxCDF | Method Blank (9/29/01) (2.5g sample size) | 1.4 | 7.1 | GMP-EI-5001-5005-0000-01 |
| 234678-HxCDF | Method Blank (9/29/01) (10g sample size) | 0.38 | 1.9 | CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01 |
| 1234678-HpCDF | Method Blank (9/29/01) (0.5g sample size) | 8.7 | 44 | LPX-EI-4006-4010-0000-01 |
| 1234678-HpCDF | Method Blank (9/29/01) (10g sample size) | 0.44 | 2.2 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01 |
| 1234678-HpCDF | Method Blank (9/29/01) (5g sample size) | 0.87 | 4.4 | LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| 1234678-HpCDF | Method Blank (9/29/01) (2.5g sample size) | 1.7 | 8.7 | GMP-EI-5001-5005-0000-01 |
| 1234789-HpCDF | Method Blank (9/29/01) (10g sample size) | 0.65 | 3.3 | CMS-CF-4006-0000-01, GMP-CF-5002-0000-01 |

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| OCDF | Method Blank (9/29/01) (0.5g sample size) | 54 | 540 | LPX-EI-4006-4010-0000-01 |
| OCDF | Method Blank (9/29/01) (10g sample size) | 2.7 | 27 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, WRL-CF-4005-0000-01 |
| OCDF | Method Blank (9/29/01) (5g sample size) | 5.4 | 54 | GMP-CF-5001-0000-01, LPX-CF-4002-0000-01 |
| OCDF | Method Blank (9/29/01) (2.5g sample size) | 11 | 110 | GMP-EI-5001-5005-0000-01 |
| Total PeCDD | Method Blank (9/29/01) (10g sample size) | 0.35 | 3.5 | LPX-CF-4004-0000-01, RWR-CF-5003-0000-01 |
| Total PeCDD | Method Blank (9/29/01) (5g sample size) | 0.70 | 7.0 | GMP-CF-5001-0000-01 |
| Total HxCDD | Method Blank (9/29/01) (0.5g sample size) | 20 | 200 | LPX-EI-4006-4010-0000-01 |
| Total HxCDD | Method Blank (9/29/01) (10g sample size) | 1.0 | 10 | CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RWR-CF-5003-0000-01, WRL-CF-4005-0000-01 |
| Total HxCDD | Method Blank (9/29/01) (5g sample size) | 2.0 | 20 | LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| Total HxCDD | Method Blank (9/29/01) (2.5g sample size) | 4.0 | 40 | GMP-EI-5001-5005-0000-01 |
| Total HpCDD | Method Blank (9/29/01) (0.5g sample size) | 15 | 150 | LPX-EI-4006-4010-0000-01 |

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| Total HpCDD | Method Blank (9/29/01) (10g sample size) | 0.75 | 7.5 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01 |
| Total HpCDD | Method Blank (9/29/01) (5g sample size) | 1.5 | 15 | LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| Total HpCDD | Method Blank (9/29/01) (2.5g sample size) | 3.0 | 30 | GMP-EI-5001-5005-0000-01 |
| Total HxCDF | Method Blank (9/29/01) (0.5g sample size) | 32 | 320 | LPX-EI-4006-4010-0000-01 |
| Total HxCDF | Method Blank (9/29/01) (10g sample size) | 1.6 | 16 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, WRL-CF-4005-0000-01 |
| Total HxCDF | Method Blank 9/29/01) (5g sample size) | 3.2 | 32 | GMP-CF-5001-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| Total HxCDF | Method Blank (9/29/01) (2.5g sample size) | 6.4 | 64 | GMP-EI-5001-5005-0000-01 |
| Total HpCDF | Method Blank (9/29/01) (0.5g sample size) | 21 | 210 | LPX-EI-4006-4010-0000-01 |
| Total HpCDF | Method Blank (9/29/01) (10g sample size) | 1.0 | 10 | CMS-CF-4003-0000-01, CMS-CF-4006-0000-01, CMS-CF-4007-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, RAB-CF-5004-0000-01, RWR-CF-5003-0000-01, RWR-CF-5004-0000-01, WRL-CF-4005-0000-01 |
| Total HpCDF | Method Blank (9/29/01) (5g sample size) | 2.1 | 21 | LPX-CF-4001-0000-01, LPX-CF-4002-0000-01, GMP-CF-5001-0000-01 |

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| Total HpCDF | Method Blank (9/29/01) (2.5g sample size) | 4.2 | 42 | GMP-EI-5001-5005-0000-01 |
| HCX | Method Blank (9/29/01) (0.5g sample size) | 500 | 2500 | LPX-EI-4006-4010-0000-01 |
| HCX | Method Blank (9/29/01) (10g sample size) | 25 | 120 | CMS-CF-4003-0000-01, GMP-CF-5002-0000-01, LPX-CF-4004-0000-01, WRL-CF-4005-0000-01 |
| HCX | Method Blank (9/29/01) (5g sample size) | 50 | 250 | GMP-CF-5001-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01 |
| HCX | Method Blank (9/29/01) (2.5g sample size) | 100 | 500 | GMP-EI-5001-5005-0000-01 |

Blank actions are based on Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 and EPA Region I's Environmental Services Assistance Team Dioxin Data Validation SOP ESAT-01-0007 (01/31/01) criterion. Blank action levels are calculated as ten times the highest concentration of the contaminant determined in any blank for common contaminants (OCDD/OCDF and Total Homologues) and five times the highest concentration for all other analytes. The positive sample results that are less than the blank action level are reported as non-detects (U) at the reported concentration on the Data Summary Table.

**Matrix Spike/Matrix Spike Duplicate**

One MS/MSD pair and one MS were evaluated for this SDG: GMP-CF-5001MS/GMP-CF-5001MSD and GMP-EI-5001-5005MS.

The table below summarizes the MS/MSD results which did not meet the recovery criterion of 50-120% and/or Relative Percent Difference (RPD) ≤ 30% as documented in the Centredale Manor Tasks 19-22 QAPP (5/23/01).

| GMP-CF-5001-0000-01 | | | | | |
|---|---|---|---|---|---|
| Congener | MS % Rec. | MSD % Rec. | % RPD | Action | |
| | | | | Positive Detects | NDs |
| HCX | 420 | 109* | 117 | J | UJ |

* Recovery was acceptable.

Professional judgement was used to estimate (J, UJ) values for HCX in all samples since percent recoveries and/or precision were outside the required criterion.

The table below summarizes the MS results which did not meet the recovery criterion of 50-120% as documented in the Centredale Manor Tasks 19-22 QAPP (5/23/01).

| GMP-EI-5001-5005-0000-01 | | | |
|---|---|---|---|
| Congener | MS % Rec. | Action | |
| | | Positive Detects | NDs |
| 12378-PeCDF | 123 | J | A |
| 23478-PeCDF | 122 | J | A |
| 123478-HxCDD | 123 | J | A |
| 123678-HxCDD | 124 | J | A |
| 123789-HxCDD | 138 | J | A |
| 234678-HxCDF | 121 | J | A |
| 1234678-HpCDD | 124 | J | A |

Professional judgement was used to estimate (J) values for the congeners referenced above in sample GMP-EI-5001-5005-0000-01 since percent recoveries were outside the required criterion.

**Internal/Clean-Up Standards**

- Internal Standards

The following table summarizes the internal standard which did not meet the recovery acceptance criterion of 25-150% as specified in Centredale Manor Tasks 19-22 QAPP (5/23/01).

| Internal Standard | % Recovery | Action | | Affected Sample |
|---|---|---|---|---|
| | | Positive Detects | NDs | |
| $^{13}Cl_{12}$-23478-PeCDF | 12 | J | UJ | LPX-CF-4002-0000-01 |

The corresponding non-labeled congener results are qualified as noted above due to internal standard percent recoveries outside method acceptance criterion.

**Sample Quantitation**

Concentrations quantitated below the lowest calibration standard are flagged (J) on the Data Summary Tables. Quantitation is not accurate when the reported results are below the lowest calibration standard.

The detection limits reported on the Data Summary Table for HCX correspond to the concentration in the lowest HCX calibration standard.

**2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity**

All TE values reported on the Data Summary Tables have been calculated by the ESAT data validator using the validated data discussed above in this report. As a result, the TE values in the Data Summary Table differ slightly from the values reported by the laboratory. The validated data accounts for blank contamination. The TE calculations include the reported EMPC values. The bird TEF values used by ESAT are the ones published in Environmental Health Perspectives, volume 106, Number 12, December 1998, "Toxic Equivalency factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife."

**System Performance**

No trends were noted with the dioxin/furan analysis. The results for HCX and TCX indicated analytical problems. The problems included noncompliant initial calibration for TCX, poor HCX chromatography, high MS/MSD recovery for HCX, and poor MS/MSD precision for HCX. There were no additional quality control checks, such as MS/MSD or an LCS, to demonstrate that the method could recover TCX. Therefore, the non-detected results for TCX are rejected.

Very truly yours,

LOCKHEED ENVIRONMENTAL

Janine Bartels
Principal Scientist

Louis Macri
ESAT Program Manager

cc: Cornell Rosiu, EPA Project Manager (DV Memorandum, Data Summary Table)

Attachments: Table I: Recommendation Summary Table
Table II: Overall Evaluation of Data
Data Summary Tables
Data Validation Worksheets
Analytical Method
PE Results
Communication/Phone Logs
Field Sampling Notes

Table I
Recommendation Summary Table for Dioxins/Furans
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 D/F

| Sample Nos. | CMS-CF-4003-0000-01 | CMS-CF-4006-0000-01 | CMS-CF-4007-0000-01 | GMP-CF-5001-0000-01 | GMP-CF-5002-0000-01 | GMP-EI-5001-5005-0000-01 | LPX-CF-4001-0000-01 |
|---|---|---|---|---|---|---|---|
| Compound | | | | | | | |
| 2378-TCDD | A | A | A | A | A | A | A |
| 12378-PeCDD | A | A | A | J[3] | A | A | A |
| 123478-HxCDD | J[1] | J[1,3] | J[1] | J[1] | J[1,3] | J[1,3,6] | J[1] |
| 123678-HxCDD | A | J[3] | J[3] | A | J[3] | J[3,6] | J[3] |
| 123789-HxCDD | J[1] | J[1,3] | J[1,3] | J[1] | J[1,3] | J[1,3,6] | J[1,3] |
| 1234678-HpCDD | J[1,3] | J[1,3] | J[1,3] | J[1] | J[1,3] | J[1,3,6] | J[1,3] |
| OCDD | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] |
| 2378-TCDF | A | J[7] | J[7] | J[7] | A | J[7] | A |
| 12378-PeCDF | A | A | A | A | A | J[6] | A |
| 23478-PeCDF | A | A | A | A | A | A | A |
| 123478-HxCDF | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] |
| 123678-HxCDF | J[1] | J[1,3] | J[1,3] | J[1] | J[1,3] | J[1,3] | J[1] |
| 123789-HxCDF | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] |
| 234678-HxCDF | A | J[3] | J[3] | A | A | A | A |
| 1234678-HpCDF | J[1,3] | J[1,3] | J[1,3] | J[1] | J[1,3] | J[1,3] | J[1,3] |
| 1234789-HpCDF | A | J[3] | A | A | J[3] | A | A |
| OCDF | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] | A |
| HCX | J[2,3,5] | J[2,5] | J[2,5] | J[2,3,5] | J[2,3,5] | J[2,3,5] | J[2,3,5] |
| TCX | R[1] | R[1] | R[1] | R[1] | R[1] | R[1] | R[1] |

Table I
Recommendation Summary Table for Dioxins/Furans
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 D/F

| Sample Nos. | LPX-CF-4002-0000-01 | LPX-CF-4004-0000-01 | LPX-EI-4006-4010-0000-01 | RAB-CF-5004-0000-01 | RWR-CF-5003-0000-01 | RWR-CF-5004-0000-01 | WRL-CF-4005-0000-01 |
|---|---|---|---|---|---|---|---|
| Compound | | | | | | | |
| 2378-TCDD | A | A | A | A | A | A | A |
| 12378-PeCDD | A | A | A | A | J[3] | A | A |
| 123478-HxCDD | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] |
| 123678-HxCDD | A | J[3] | J[3] | A | J[3] | A | A |
| 123789-HxCDD | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] |
| 1234678-HpCDD | J[1,3] | J[1,3] | J[1,3] | J[1] | J[1,3] | J[1,3] | J[1,3] |
| OCDD | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] | J[3] |
| 2378-TCDF | A | A | A | A | A | J[7] | A |
| 12378-PeCDF | A | A | A | A | A | A | A |
| 23478-PeCDF | J[4] | A | A | A | A | A | A |
| 123478-HxCDF | J[3] | A | A | J[3] | J[3] | A | A |
| 123678-HxCDF | J[1] | J[1,3] | J[1] | J[1] | J[1] | J[1] | J[1,3] |
| 123789-HxCDF | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] | J[1] |
| 234678-HxCDF | A | A | A | J[3] | J[3] | A | A |
| 1234678-HpCDF | J[1,3] | J[1,3] | J[1,3] | J[1,3] | J[1,3] | J[1,3] | J[1,3] |
| 1234789-HpCDF | A | A | A | A | A | A | A |
| OCDF | J[3] | J[3] | J[3] | J[3] | J[3] | A | J[3] |
| HCX | J[2,3,5] | J[2,3,5] | J[2,3,5] | J[2,5] | J[2,5] | J[2,5] | J[2,3,5] |
| TCX | R[1] | R[1] | R[1] | R[1] | R[1] | R[1] | R[1] |

Table I
Recommendation Summary Table for Dioxins/Furans

| | | |
|---|---|---|
| A | - | Accept results. |
| J[1] | - | SRM %D outside criterion; J detects, UJ non-detects. |
| J[2] | - | Poor chromatography; J detects, UJ non-detects. |
| J[3] | - | Method blank contamination; positive sample results less than the blank action level are reported as non-detects (U) at the concentration reported. |
| J[4] | - | Internal standard recovery outside criteria; J detects, UJ non-detects. |
| J[5] | - | MS/MSD recovery and/or RPD outside criteria; J detects, UJ non-detects. |
| J[6] | - | High MS recovery; J detects. |
| J[7] | - | Chromatographic interference; J detects. |
| R[1] | - | Non-compliant method detection limits and recovery; R non-detects. |

EPA-NE - Data Validation Worksheet

**Overall Evaluation of Data - Data Validation Memorandum - Table II**

| DIOXIN/FURAN/HCX/TCX ANALYSIS | | | | | |
|---|---|---|---|---|---|
| DQO (list all DQOs) | Sampling and/or Analytical Method Appropriate Yes or No | Measurement Error | | Sampling Variability | Potential Usability Issues |
| | | Analytical Error | Sampling Error* | | |
| The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):<br><br>To generate data of quality to be used for human health (HHRA) and ecological risk assessments (ERA). | Yes,<br>Sampling Method appropriate for all samples.<br><br>Yes,<br>Analytical Method appropriate for all samples. | Refer to qualification in R/S Key on Table I:<br><br>J[2,3,4,6,7], R[1] | Refer to qualification in R/S Key on Table I:<br><br>NA | ** | One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). Six out of seventeen congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since the six congeners had low recoveries, the results for six dioxin/furan congeners in all samples were estimated (J, UJ) due to the possibility of biased low results.<br><br>The TCX initial calibration % RSD was noncompliant. The laboratory did not perform additional quality control procedures, neither a laboratory control sample nor matrix spike samples, for the TCX analysis. Therefore, the results of the initial calibration standards were investigated. The low standards in the multi-point initial calibration had an erratic response. The laboratory used the lowest standard as the reporting limit for the non-detected results. The erratic response would indicate that this may not be an appropriate reporting limit. Therefore, the TCX results were rejected (R).<br><br>The method blank had low level contamination. The method blank contamination does not impact data usability. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.<br><br>Data validation indicated minor data quality problems which do not significantly impact the usability of the dioxin/furan data. However, the TCX data were rejected. See the data validation memorandum for details. The reported results are usable for the site objectives. |

* The evaluation of "sampling error" cannot be completely assessed in the data validation.

** Sampling variability is not assessed in data validation.

Validator: _____

Date: 8/16/02

# Data Summary Table

Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B1DF2 SDG No. 49038-21 DIF
LABORATORY: Battelle

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | CMS-CF-4003-0000-01 | | CMS-CF-4006-0000-01 | | CMS-CF-4007-0000-01 | | GMP-CF-5001-0000-01 | | GMP-CF-5002-0000-01 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | CENTREDALE MANOR SITE | | CENTREDALE MANOR SITE | | CENTREDALE MANOR SITE | | GREYSTONE MILL POND | | GREYSTONE MILL POND | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| TCDD/TCDF CONC.: | | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 43.02 | | 261.17 | | 227.66 | | U | 0.47 | 0.34 J | |
| 1,2,3,7,8-PeCDD | 1.0 | U | 0.17 | U | 0.30 | U | 0.30 | U | 0.39 | U | 0.44 |
| 1,2,3,4,7,8-HxCDD | 0.5 | UJ | 0.14 | UJ | 0.11 | UJ | 0.14 | UJ | 0.37 | UJ | 0.20 |
| 1,2,3,6,7,8-HxCDD | 0.01 | U | 0.14 | U | 0.22 | U | 0.18 | U | 0.38 | U | 0.32 |
| 1,2,3,7,8,9-HxCDD | 0.01 | UJ | 0.13 | UJ | 0.22 | UJ | 0.14 | UJ | 0.30 | UJ | 0.22 |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | UJ | 0.67 | UJ | 1.26 | UJ | 1.06 | UJ | 0.48 | UJ | 1.53 |
| OCDD | <0.0001 | U | 5.77 | U | 7.24 | U | 6.17 | U | 2.68 | U | 8.58 |
| 2,3,7,8-TCDF | 0.05 | 0.43 J | | 0.63 J | | 0.58 J | | 0.67 J | | 0.77 S | |
| 1,2,3,7,8-PeCDF | 0.05 | U | 0.17 | U | 0.43 | U | 0.32 | U | 0.43 | U | 0.37 |
| 2,3,4,7,8-PeCDF | 0.5 | U | 0.20 | U | 0.51 | U | 0.40 | U | 0.46 | 0.21 J | |
| 1,2,3,4,7,8-HxCDF | 0.1 | U | 0.12 | U | 0.32 | U | 0.20 | U | 0.30 | U | 0.22 |
| 1,2,3,6,7,8-HxCDF | 0.1 | UJ | 0.20 | UJ | 0.21 | UJ | 0.11 | UJ | 0.65 | UJ | 0.15 |
| 1,2,3,7,8,9-HxCDF | 0.1 | UJ | 0.22 | UJ | 0.67 | UJ | 0.39 | UJ | 0.73 | UJ | 0.29 |
| 2,3,4,6,7,8-HxCDF | 0.1 | U | 0.20 | U | 0.16 | U | 0.10 | U | 0.88 | U | 0.26 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | UJ | 0.31 | UJ | 0.65 | UJ | 0.64 | UJ | 0.19 | UJ | 0.60 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | U | 0.12 | U | 0.06 | U | 0.20 | U | 0.24 | U | 0.66 |
| OCDF | <0.0001 | U | 0.62 | U | 0.68 | U | 0.74 | U | 0.38 | U | 2.93 |
| TOTAL TCDD | | 43.02 J | | 261.17 J | | 227.66 J | | UJ | 0.47 | 1.11 J | |
| TOTAL PeCDD | | UJ | 0.17 | UJ | 0.30 | UJ | 0.30 | UJ | 0.39 | UJ | 0.44 |
| TOTAL HxCDD | | UJ | 0.14 | UJ | 0.96 | UJ | 0.82 | UJ | 0.37 | UJ | 1.43 |
| TOTAL HpCDD | | UJ | 1.46 | UJ | 2.32 | UJ | 2.06 | UJ | 0.48 | UJ | 2.38 |
| TOTAL TCDF | | 0.73 J | | 1.88 J | | 1.76 J | | 0.67 J | | 2.11 J | |
| TOTAL PeCDF | | 3.34 J | | 8.32 J | | 7.09 J | | 3.06 J | | 5.13 J | |
| TOTAL HxCDF | | UJ | 0.97 | UJ | 3.26 | UJ | 2.65 | UJ | 1.56 | UJ | 2.16 |
| TOTAL HpCDF | | UJ | 0.49 | UJ | 1.04 | UJ | 1.08 | UJ | 0.21 | UJ | 1.66 |
| HCX - Hexachloroxanthene | | UJ | 19.85 | 246.46 J | | 163.78 J | | UJ | 56.19 | UJ | 24.35 |
| TCX - Tetrachloroxanthene | | R | | R | | R | | R | | R | |
| TOXIC EQUIVALENT(1): | | 43 J | | 260 J | | 230 J | | 0.034 J | | 0.49 J | |
| PERCENT SOLIDS: | | 29.6 | | 29.3 | | 30.0 | | 39.8 | | 35.0 | |
| PERCENT LIPIDS: | | 3.14 | | 2.91 | | 2.33 | | 3.77 | | 2.66 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | |
| DATE OF RECEIPT: | | 07/21/01 | | 07/21/01 | | 07/21/01 | | 07/21/01 | | 07/21/01 | |
| SAMPLE EXTRACTION DATE: | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | |
| ANALYSIS DATE: | | 09/29/01 | | 09/29/01 | | 09/29/01 | | 09/29/01 | | 09/29/01 | |
| LAB SAMPLE ID: | | 49038-21-09 | | 49038-21-02 | | 49038-21-06 | | 49038-21-13 | | 49038-21-07 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.
< = The expected upper limit of the TEF values for the congener in fish.
$ = Result reported from confirmation analysis

# Data Summary Table

Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Dist Tissue 81OF2 SDG No. 49038-21 D/F
LABORATORY: Saltzle

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | GMP-EI-5001-5005-0000-01 | | LPX-CF-4001-0000-01 | | LPX-CF-4002-0000-01 | | LPX-CF-4004-0000-01 | | LPX-EI-4006-4010-0000-01 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | GREYSTONE MILL POND | | LYMANSVILLE POND | | LYMANSVILLE POND | | LYMANSVILLE POND | | LYMANSVILLE POND | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| TCDD/TCDF CONC.: | | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 1.41 J | | 156.03 | | 30.62 | | 83.31 | | 245.57 | |
| 1,2,3,7,8-PeCDD | 1.0 | U | 0.89 | U | 0.32 | U | 0.25 | U | 0.28 | U | 4.48 |
| 1,2,3,4,7,8-HxCDD | 0.5 | UJ | 0.19 | UJ | 0.21 | UJ | 0.35 | UJ | 0.13 | UJ | 2.51 |
| 1,2,3,6,7,8-HxCDD | 0.01 | UJ | 0.60 | U | 0.22 | U | 0.34 | U | 0.18 | U | 2.52 |
| 1,2,3,7,8,9-HxCDD | 0.01 | UJ | 0.24 | UJ | 0.19 | UJ | 0.33 | UJ | 0.12 | UJ | 2.42 |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | UJ | 3.08 | UJ | 1.73 | UJ | 2.86 | UJ | 1.50 | UJ | 12.46 |
| OCDD | < 0.0001 | U | 8.01 | U | 10.56 | U | 19.75 | U | 8.83 | U | 31.34 |
| 2,3,7,8-TCDF | 0.05 | 0.77 J | | 0.55 JS | | 0.62 J | | 0.71 S | | 1.75 J | |
| 1,2,3,7,8-PeCDF | 0.05 | 0.29 J | | U | 0.31 | U | 0.45 | 0.11 J | | U | 3.48 |
| 2,3,4,7,8-PeCDF | 0.5 | U | 0.63 | U | 0.34 | UJ | 4.07 | 0.15 J | | U | 4.05 |
| 1,2,3,4,7,8-HxCDF | 0.1 | U | 0.41 | U | 0.26 | U | 0.28 | U | 0.08 | U | 1.62 |
| 1,2,3,6,7,8-HxCDF | 0.1 | UJ | 0.20 | UJ | 0.37 | UJ | 0.19 | UJ | 0.10 | UJ | 1.55 |
| 1,2,3,7,8,9-HxCDF | 0.1 | UJ | 0.34 | UJ | 0.43 | UJ | 0.21 | UJ | 0.10 | UJ | 1.76 |
| 2,3,4,6,7,8-HxCDF | 0.1 | U | 0.32 | U | 0.58 | U | 0.20 | U | 0.10 | U | 1.62 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | UJ | 0.81 | UJ | 0.71 | UJ | 0.97 | UJ | 0.60 | UJ | 1.39 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | U | 0.31 | U | 0.24 | U | 0.33 | U | 0.15 | U | 2.58 |
| OCDF | < 0.0001 | U | 0.42 | U | 0.20 | U | 2.21 | U | 0.83 | U | 1.43 |
| TOTAL TCDD | | 1.88 J | | 156.03 J | | 30.62 J | | 53.31 J | | 245.57 J | |
| TOTAL PeCDD | | UJ | 0.89 | UJ | 0.32 | UJ | 0.25 | UJ | 0.25 | UJ | 4.48 |
| TOTAL HxCDD | | UJ | 2.19 | UJ | 1.27 | UJ | 0.88 | UJ | 0.53 | UJ | 2.52 |
| TOTAL HpCDD | | UJ | 6.12 | UJ | 3.44 | UJ | 6.19 | UJ | 2.76 | UJ | 19.56 |
| TOTAL TCDF | | 0.77 J | | 2.94 J | | 0.62 J | | 2.79 J | | 1.75 J | |
| TOTAL PeCDF | | 1.67 J | | 7.89 J | | 5.41 J | | 5.21 J | | 3.86 J | |
| TOTAL HxCDF | | UJ | 1.76 | UJ | 2.64 | UJ | 2.24 | UJ | 1.82 | UJ | 0.91 |
| TOTAL HpCDF | | UJ | 1.07 | UJ | 1.33 | UJ | 1.60 | UJ | 0.97 | UJ | 2.77 |
| HCX - Hexachloroxanthene | | UJ | 79.07 | UJ | 89.34 | UJ | 13.42 | UJ | 59.30 | UJ | 63.51 |
| TCX - Tetrachloroxanthene | | R | | R | | R | | R | | R | |
| TOXIC EQUIVALENT(1): | | 1.4 J | | 160 J | | 31 J | | 83 J | | 240 J | |
| PERCENT SOLIDS: | | NA | | 33.5 | | 30.3 | | 29.2 | | NA | |
| PERCENT LIPIDS: | | 2.82 | | 2.90 | | 2.56 | | 2.29 | | 5.44 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 08/01/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 08/01/01 | |
| DATE OF RECEIPT: | | 08/03/01 | | 07/21/01 | | 07/21/01 | | 07/21/01 | | 08/03/01 | |
| SAMPLE EXTRACTION DATE: | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | |
| ANALYSIS DATE: | | 09/30/01 | | 09/29/01 | | 09/29/01 | | 09/29/01 | | 09/29/01 | |
| LAB SAMPLE ID: | | 49038-21-19 | | 49038-21-18 | | 49038-21-11 | | 49038-21-04 | | 49038-21-17 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.
< = The expected upper limit of the TEF values for the congener in fish.
$ = Result reported from confirmation analysis

# Data Summary Table

Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B1OF2 SDG No. 49038-21 D/F
LABORATORY: Battelle

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | RAB-CF-5004-0000-01 | | RWR-CF-5003-0000-01 | | RWR-CF-5004-0000-01 | | WRL-CF-4005-0000-01 | |
|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | ASSUMPTION BROOK REFERENCE | | WOONASQUATUCKET RIVER UPSTREAM REACH | | WOONASQUATUCKET RIVER UPSTREAM REACH | | WOONASQUATUCKET RIVER LYMANSVILLE REACH | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| TCDD/TCDF CONC.: | | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 0.38 J | | 0.41 J | | U | 0.42 | 128.04 | |
| 1,2,3,7,8-PeCDD | 1.0 | U | 0.19 | U | 0.19 | U | 0.80 | U | 0.23 |
| 1,2,3,4,7,8-HxCDD | 0.5 | UJ | 0.13 | UJ | 0.22 | UJ | 0.47 | UJ | 0.10 |
| 1,2,3,6,7,8-HxCDD | 0.01 | U | 0.14 | U | 0.12 | U | 0.47 | U | 0.11 |
| 1,2,3,7,8,9-HxCDD | 0.01 | UJ | 0.13 | UJ | 0.21 | UJ | 0.44 | UJ | 0.10 |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | UJ | 0.12 | UJ | 0.63 | UJ | 1.63 | UJ | 0.82 |
| OCDD | < 0.0001 | U | 1.20 | U | 4.25 | U | 15.01 | U | 4.72 |
| 2,3,7,8-TCDF | 0.05 | 0.28 J | | 0.53 $ | | 0.66 J | | 0.62 $ | |
| 1,2,3,7,8-PeCDF | 0.05 | U | 0.24 | 0.15 J | | U | 0.70 | U | 0.25 |
| 2,3,4,7,8-PeCDF | 0.5 | U | 0.27 | 0.19 J | | U | 0.73 | U | 0.27 |
| 1,2,3,4,7,8-HxCDF | 0.1 | U | 0.04 | U | 0.26 | U | 0.30 | U | 0.23 |
| 1,2,3,6,7,8-HxCDF | 0.1 | UJ | 0.11 | UJ | 0.19 | UJ | 0.30 | UJ | 0.12 |
| 1,2,3,7,8,9-HxCDF | 0.1 | UJ | 0.13 | UJ | 0.23 | UJ | 0.33 | UJ | 0.26 |
| 2,3,4,6,7,8-HxCDF | 0.1 | U | 0.04 | U | 0.09 | U | 0.32 | U | 0.24 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | UJ | 0.08 | UJ | 0.46 | UJ | 0.54 | UJ | 0.42 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | U | 0.10 | U | 0.29 | U | 0.27 | U | 0.13 |
| OCDF | < 0.0001 | U | 0.13 | U | 0.49 | U | 0.49 | U | 0.46 |
| TOTAL TCDD | | 0.38 J | | 0.90 J | | 0.65 J | | 128.04 J | |
| TOTAL PeCDD | | UJ | 0.19 | UJ | 0.19 | UJ | 0.80 | UJ | 0.23 |
| TOTAL HxCDD | | UJ | 0.13 | UJ | 0.34 | UJ | 0.46 | UJ | 0.43 |
| TOTAL HpCDD | | UJ | 0.18 | UJ | 1.48 | UJ | 2.94 | UJ | 1.59 |
| TOTAL TCDF | | 0.55 J | | 1.35 J | | 0.66 J | | 2.29 J | |
| TOTAL PeCDF | | 0.42 J | | 6.42 J | | 3.16 J | | 6.69 J | |
| TOTAL HxCDF | | UJ | 0.13 | UJ | 2.07 | UJ | 0.31 | UJ | 2.14 |
| TOTAL HpCDF | | UJ | 0.08 | UJ | 0.71 | UJ | 1.14 | UJ | 0.65 |
| HCX - Hexachloroxanthene | | UJ | 19.87 | UJ | 19.84 | UJ | 19.81 | UJ | 104.79 |
| TCX - Tetrachloroxanthene | | R | | R | | R | | R | |
| TOXIC EQUIVALENT(1): | | 0.40 J | | 0.54 J | | 0.066 J | | 130 J | |
| PERCENT SOLIDS: | | 30.9 | | 32.8 | | 29.5 | | 31.8 | |
| PERCENT LIPIDS: | | 2.30 | | 2.49 | | 2.70 | | 1.95 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | |
| DATE OF RECEIPT: | | 07/21/01 | | 07/21/01 | | 07/21/01 | | 07/21/01 | |
| SAMPLE EXTRACTION DATE: | | 09/19/01 | | 09/19/01 | | 09/28/01 | | 09/19/01 | |
| ANALYSIS DATE: | | 09/29/01 | | 09/29/01 | | 10/11/01 | | 09/29/01 | |
| LAB SAMPLE ID: | | 49038-21-05 | | 49038-21-03 | | 49038-21-10 | | 49038-21-08 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.
< = The expected upper limit of the TEF values for the congener in fish.
$ = Result reported from confirmation analysis

Steve Stodola
US EPA Approval Signature

July 29, 2002
Date

July 22, 2002
L-02-07-Z-05
Revised: July 24, 2002

Ms. Christine Clark
Regional Sample Control Custodian
Office of Environmental Measurement and Evaluation
U.S. EPA Region I
11 Technology Drive
North Chelmsford, Massachusetts 01863

Re: Task Order No. 010, Task No. 2, TDF No. 0451B
Case No. Diet Tissue B2OF2, SDG No. 49038-30 D/F
Battelle Laboratories - Columbus, OH
Centredale Manor Site - North Providence, RI

Dioxin/Furan/HCX/TCX: 12/Tissue/CMS-DU-072001-A, CMS-EW-4001-0000-01, CMS-EW-4002-0000-01, CMS-EW-4003-0000-01, LPX-EW-4004-0000-01, LPX-EW-4005-0000-01, LPX-EW-4006-0000-01, LPX-EW-4007-0000-01, RWR-EW-5001-0000-01, RWR-EW-5002-0000-01, RWR-EW-5003-0000-01, RWR-EW-5004-0000-01
(Field Duplicate Pair/CMS-DU-072001-A and CMS-EW-4001-0000-01)

1/Fish Tissue SRM/CIL EDF 2526

Dear Ms. Clark:

A Tier III data validation was performed on the Dioxin/Furan, HCX, and TCX analytical data for 12 earthworm tissue samples collected by Harding ESE, Inc. for the U.S. EPA at the Centredale Manor Site in North Providence, RI. The samples were analyzed according to EPA Method 1613B, September 15, 1997. The samples were validated using first the criteria in the Centredale Manor Tasks 19-22 QAPP (5/23/01) prepared by Battelle Duxbury Operations which include the criteria in EPA Method 1613B, September 15, 1997, defaulting next to Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria, and finally to EPA Region I's Environmental Services Assistance Team Dioxin Data Validation SOP ESAT-01-0007 (01/31/01). The criteria for HCX and TCX are documented in Battelle's December 7, 2001 letter to EPA. See the Supporting Documentation Section.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness (CSF Audit - Tier I)
- * Preservation and Technical Holding Times
- PE Samples/Accuracy Check
- * Window Defining Mix
- Initial and Continuing Calibrations
- Chromatographic Resolution
- * Instrument Sensitivity Check
- * Blanks
- * Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample
- Laboratory and Field Duplicates
- Internal/Clean up Standards
- * Sample Analysis and Identification
- Sample Quantitation
- * Estimated Detection Limits (EDL) and Estimated Maximum Possible Concentration (EMPC)
- 2378-TCDD Toxicity Equivalents (TE) and Isomer Specifity
- Required Sample Reruns and Second Column Confirmation
- System Performance

* - All criteria were met for this parameter.

**The following information was used to generate the Data Validation Memorandum attachments:**

Table I: Recommendation Summary Table - summarizes validation recommendations

Table II: Overall Evaluation of Data - summarizes site objectives and potential usability issues

Data Summary Tables - summarize accepted, qualified, and rejected data

**Overall Evaluation of Data and Potential Usability Issues**

The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):

- To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site.

One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). The majority of the congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified

criterion of 30%D from the consensus value. Since 9 out of 17 congeners had low recoveries, the results for dioxin/furan in all samples were estimated (J, UJ) due to the possibility of biased low results.

The TCX initial calibration %RSD was noncompliant. The laboratory did not perform any additional QC procedures, such as a laboratory control sample or matrix spike samples for the TCX analysis. Therefore, the results of the initial calibration standards were investigated. The low standards in the multipoint initial calibration had an erratic response. The laboratory used the lowest standard as the reporting limit for the non-detected results. The erratic response would indicate that this may not be an appropriate reporting limit. Therefore, the TCX results were rejected (R).

Data validation indicated minor data quality problems which do not significantly impact the usability of the dioxin/furan data. However, the nondetected results for 2,3,7,8-TCDF were rejected in three samples due to low (<10%) recovery of the internal standards. Additionally, the TCX data were rejected. See the discussion below for details. The reported results are usable for the site objectives with the exception of the TCX results.

**Data Completeness (CSF Audit - Tier I)**

The following data or information in the data package had discrepancies and/or was missing:

1. The laboratory was asked to submit the Chain-of-Custody (C-o-C) form completed by the sampler and received by the laboratory for this batch of samples. According to the field notes, the samples from this batch were collected over a period of several dates in July 2001 and not on August 1, 2001. According to the C-o-C received with a different project, the samples were received by Battelle MSL on July 20, 2001. Since this C-o-C is of a poor quality and collection dates are not readable, the C-o-C cannot be used for the validation purposes. The laboratory was asked to submit a legible C-o-C and to correct the collection dates on page 003 and on the tabulated forms.

2. The laboratory was asked to submit tabulated percent recoveries and RPD values for the matrix spike duplicate samples (RWR-EW-5002-0000-01MS and RWR-EW-5002-0000-01MSD).

3. The laboratory was asked to submit tabulated results for the SRM associated with this batch of samples.

4. The laboratory inserted a page with a tab titled: "Confirmation Initial Calibration" but there was no information following this page. The laboratory was asked to submit the missing pages or explain why there is no initial calibration for the confirmation analysis.

5. The laboratory was asked to submit the missing tabulated forms for the following samples: CMS-DU-072001-A, LPX-EW-4004-0000-01, LPX-EW-4005-0000-01, and RWR-EW-5002-0000-01.

6. The laboratory was asked to submit the tabulated results for the laboratory duplicate. Additionally, the laboratory was asked to revise the Project Narrative, Replicate Section, page 1232 (page 4 of 4 of the Narrative) to include 2378-TCDD as a compound detected at a concentration > 10xMDL and not meeting the precision criterion of 30% (RPD=68%).

The items 1 through 4 were requested via the TOPO on March 1, 2002 and were received via the TOPO on March 19, 2002. Additional clarification for item #1, and items 5 and 6 were requested via the TOPO on June 13, 2002 and the response was received on July 16, 2002. All items were adequately addressed.

**PE Samples/Accuracy Check**

One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). Nine out of seventeen congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value.

The following table summarizes the SRM sample (49038-30-17 FISH SRM) results which did not meet %D criterion and the resulting sample qualifications:

| PE Sample Number | Congener | %D | Action | |
|---|---|---|---|---|
| | | | Positive Detects | NDs |
| CIL EDF 2526 | 2378-TCDD | 31 | J | UJ |
| CIL EDF 2526 | 123478-HxCDD | 40 | J | UJ |
| CIL EDF 2526 | 123678-HxCDD | 34 | J | UJ |
| CIL EDF 2526 | 123789-HxCDD | 36 | J | UJ |
| CIL EDF 2526 | 1234678-HpCDD | 34 | J | UJ |
| CIL EDF 2526 | 123478-HxCDF | 31 | J | UJ |
| CIL EDF 2526 | 123678-HxCDF | 34 | J | UJ |
| CIL EDF 2526 | 123789-HxCDF | 36 | J | UJ |
| CIL EDF 2526 | 1234678-HpCDF | 34 | J | UJ |

Since the majority of the congeners (9 out of 17) had low recoveries and %Ds above the criterion, the results for dioxin/furans in all samples were estimated (J, UJ) due to possibility of biased low results.

**Initial and Continuing Calibrations**

The following table summarizes the Initial Calibration (IC) which did not meet the RSD criterion of ≤ 25% as specified in the Centredale Manor Tasks 19-22 QAPP (5/23/01) and the resulting sample qualifications:

| IC Date | Compound | %RSD | Action | | Affected Samples |
|---|---|---|---|---|---|
| | | | Positive Detects | NDs | |
| 07/19/01 | TCX | 30 | J | UJ | All |
| 07/19/01 | HCX | 45 (second curve) | J | None | CMS-DU-072001-A, CMS-EW-4001-0000-01, CMS-EW-4002-0000-01, CMS-EW-4003-0000-01, LPX-EW-4005-0000-01 |

The data associated with the noncompliant initial calibration are qualified due to the variability of the response factors across the calibration curve. The quantitation of the associated analytes in the samples could be biased.

**Chromatographic Resolution**

The hexachloroxanthene (HCX) peaks exhibit poor chromatography, i.e., broad peak shape. The broad peak shape created irregularities in the response factors used to calculate the concentrations of HCX. Therefore, professional judgement was used to estimate (J, UJ) all the HCX results due to poor chromatography.

**Laboratory Control Sample**

The laboratory extracted and analyzed one OPR/LCS with this group of samples. The following table summarizes the Ongoing Precision and Recovery (OPR) result which did not meet the Centredale Manor Tasks 19-22 QAPP (5/23/01) recovery criterion listed below and the resulting sample qualifications:

| OPR Date | Compound | % Recovery | % Recovery Range | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | | | | Positive Detects | NDs | |
| 9/28/01 | HCX | 150 | 50-120 | J | A | CMS-DU-072001-A, CMS-EW-4001-0000-01, CMS-EW-4002-0000-01, CMS-EW-4003-0000-01, LPX-EW-4004-0000-01, LPX-EW-4005-0000-01 |

The sample data associated with recoveries of noncompliant OPR are qualified due to high recovery. The positive results for HCX could be biased high.

**Laboratory and Field Duplicates**

One laboratory duplicate pair was evaluated for this SDG (LPX-EW-4004-0000-01/LPX-EW-4004-0000-01Dup).

The table below summarizes the tissue laboratory duplicate results which did not meet the duplicate RPD criterion of ≤ 30% as specified in the Centredale Manor Tasks 19-22 QAPP (5/23/01).

| LPX-EW-4004-0000-01 | | | | | | |
|---|---|---|---|---|---|---|
| Congener | Sample Conc. (pg/g) | Duplicate Conc. (pg/g) | RPD | Action | | Affected Samples |
| | | | | Positive Detects | NDs | |
| 2378-TCDD | 79.54 | 161.06 | 68 | J | UJ | All |
| HCX | 405.06 | 769.03 | 62 | J | UJ | All |

Professional judgement was used to estimate (J, UJ) results of the above analytes in all samples due to poor laboratory duplicate precision.

One field duplicate pair was evaluated for this SDG (CMS-DU-072001-A/CMS-EW-4001-0000-01).

The table below summarizes field duplicate results which did not meet the duplicate RPD criterion of < 50% for non-aqueous samples as specified in Region I's Environmental Services Assistance Team Dioxin Data Validation SOP ESAT-01-0007 (01/31/01).

| Congener | CMS-DU-072001-A | CMS-EW-4001-0000-01 | RPD | Action | Affected Samples |
|---|---|---|---|---|---|
| | % Lipids = 2.36<br>%Solids = 23.00 | % Lipids = 3.92<br>%Solids = 19.40 | | Positive Detects | |
| | Sample Conc. (pg/g) | Duplicate Conc. (pg/g) | | | |
| 2378-TCDD | 301.36 | 140.25 | 73 | J | CMS-DU-072001-A, CMS-EW-4001-0000-01 |
| 1234678-HpCDD | 93.56 | 49.89 | 61 | J | CMS-DU-072001-A, CMS-EW-4001-0000-01 |
| OCDD | 652.95 | 387.43 | 51 | J | CMS-DU-072001-A, CMS-EW-4001-0000-01 |
| HCX | 17932.55 | 5135.48 | 111 | J | CMS-DU-072001-A, CMS-EW-4001-0000-01 |

Professional judgement was used to estimate (J) positive results of the above analytes in samples CMS-DU-072001-A and CMS-EW-4001-0000-01 due to poor field duplicate precision.

**Internal/Clean-Up Standards**

- Internal Standards

The following table summarizes the internal standard recoveries that did not meet acceptance criterion of 25-150% as specified in the Centredale Manor Tasks 19-22 QAPP (5/23/01):

| Internal Standard | % Recovery | Action | | Affected Samples |
|---|---|---|---|---|
| | | Positive Detects | NDs | |
| $^{13}C_{12}$-2378-TCDF | 12 | J | UJ | CMS-DU-072001-A |
| $^{13}C_{12}$-2378-TCDF | 12 | J | UJ | CMS-EW-4001-0000-01 |
| $^{13}C_{12}$-2378-TCDD | 24 | J | UJ | CMS-EW-4002-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 10 | J | UJ | CMS-EW-4002-0000-01 (Confirmation) |
| $^{13}C_{12}$-2378-TCDD | 24 | J | UJ | CMS-EW-4003-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 7 | J | R | CMS-EW-4003-0000-01 |
| $^{13}C_{12}$-2378-TCDD | 19 | J | UJ | LPX-EW-4005-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 5 | J | R | LPX-EW-4005-0000-01 |
| $^{13}C_{12}$-2378-TCDD | 19 | J | UJ | LPX-EW-4007-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 6 | J | R | LPX-EW-4007-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 12 | J | UJ | RWR-EW-5001-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 20 | J | UJ | RWR-EW-5002-0000-01 |
| $^{13}C_{12}$-2378-TCDF | 10 | J | UJ | RWR-EW-5003-0000-01 (Confirmation) |
| $^{13}C_{12}$-2378-TCDF | 10 | J | UJ | RWR-EW-5004-0000-01 |

The corresponding non-labeled congener results are estimated as shown in the table due to internal standard percent recoveries outside the method acceptance criterion.

- Clean-up Standards

The following table summarizes the clean-up standard recoveries that did not meet acceptance criterion of 25-150% as specified in the Centredale Manor Tasks 19-22 QAPP (5/23/01):

| Clean-Up Standard | % Recovery | Action | | Affected Samples |
|---|---|---|---|---|
| | | Positive Detects | NDs | |
| $^{37}Cl_4$-2378-TCDD | 23 | J | UJ | CMS-EW-4002-0000-01 |
| $^{37}Cl_4$-2378-TCDD | 24 | J | UJ | CMS-EW-4003-0000-01 |
| $^{37}Cl_4$-2378-TCDD | 21 | J | UJ | LPX-EW-4005-0000-01 |
| $^{37}Cl_4$-2378-TCDD | 16 | J | UJ | LPX-EW-4007-0000-01 |

Since low recoveries may indicate interference in the clean-up process, the samples above were qualified as noted for all congeners.

**Sample Quantitation**

Concentrations quantitated and reported by the laboratory below the lowest calibration standard are flagged (J) on the Data Summary Table. Quantitation is not accurate when the reported results are below the lowest calibration standard.

The detection limits for HCX correspond to the concentration in the lowest HCX calibration standard.

**2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity**

All TE values reported on the Data Summary Tables have been calculated by the ESAT data validator using the validated data discussed above in this report. As a result, the TE values in the Data Summary Table differ slightly from the values reported by the laboratory. The TE calculations include the reported EMPC values. The Fish TEF values used by ESAT are the ones published in Environmental Health Perspectives, Volume 106, Number 12, December 1998, Table 2, Page 780 "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife."

**Required Sample Reruns and Second Column Confirmation**

Concentrations reported from the confirmation analysis are flagged with a ($) on the Data Summary Table.

**System Performance**

The results for HCX and TCX indicated analytical problems. The problems include a noncompliant initial calibration for TCX and HCX, poor HCX chromatography, high HCX recovery in the LCS/OPR, and poor laboratory duplicate precision for HCX. There were no other supporting quality control checks such as MS/MSD or LCS to demonstrate that the method could detect TCX in the samples.

No trends were noted with the dioxin/furan analysis with the exception of low recoveries of the internal and clean-up standards.

Very truly yours,

LOCKHEED ENVIRONMENTAL

Maria E. Baca
Senior Scientist

Louis Macri
ESAT Program Manager

cc: Cornell Rosiu, EPA Project Manager (DV Memorandum, Data Summary Table)

Attachments: Table I: Recommendation Summary Table
Table II: Overall Evaluation of Data
Data Summary Tables
Data Validation Worksheets
Analytical Method
PES Score Reports
Communications
Field Notes

Table I
Recommendation Summary Table for Dioxins/Furans/HCX/TCX
Centredale Manor Site - North Providence, RI Site
Case No. Diet Tissue B2OF2, SDG No. 49038-30 D/F

| Sample Nos. | CMS-DU-072001-A | CMS-EW-4001-0000-01 | CMS-EW-4002-0000-01 | CMS-EW-4003-0000-01 | LPX-EW-4004-0000-01 | LPX-EW-4005-0000-01 | LPX-EW-4006-0000-01 |
|---|---|---|---|---|---|---|---|
| Compound | | | | | | | |
| 2378-TCDD | $J^{1,5,6}$ | $J^{1,5,6}$ | $J^{1,5,7,8}$ | $J^{1,5,7,8}$ | $J^{1,5}$ | $J^{1,5,7,8}$ | $J^{1,5}$ |
| 12378-PeCDD | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123478-HxCDD | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123678-HxCDD | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123789-HxCDD | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 1234678-HpCDD | $J^{1,6}$ | $J^{1,6}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| OCDD | $J^{1,6}$ | $J^{1,6}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 2378-TCDF | $J^{1,7}$ | $J^{1,7}$ | $J^{1,7,8}$ | $R^{2}$ | $J^{1}$ | $R^{2}$ | $J^{1}$ |
| 12378-PeCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 23478-PeCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123478-HxCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123678-HxCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 123789-HxCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 234678-HxCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 1234678-HpCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| 1234789-HpCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| OCDF | $J^{1}$ | $J^{1}$ | $J^{1,8}$ | $J^{1,8}$ | $J^{1}$ | $J^{1,8}$ | $J^{1}$ |
| HCX | $J^{2,3,4,5,6}$ | $J^{2,3,4,5,6}$ | $J^{2,3,4,5}$ | $J^{2,3,4,5}$ | $J^{3,4,5}$ | $J^{2,3,4,5}$ | $J^{3,5}$ |
| TCX | $R^{1}$ | $R^{1}$ | $R^{1}$ | $R^{1}$ | $R^{1}$ | $R^{1}$ | $R^{1}$ |

Table I
Recommendation Summary Table for Dioxins/Furans/HCX/TCX
Centredale Manor Site - North Providence, RI Site
Case No. Diet Tissue B2OF2, SDG No. 49038-30 D/F

| Sample Nos. | LPX-EW-4007-0000-01 | RWR-EW-5001-0000-01 | RWR-EW-5002-0000-01 | RWR-EW-5003-0000-01 | RWR-EW-5004-0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| 2378-TCDD | J[1,5,7,8] | J[1,5] | J[1,5] | J[1,5] | J[1,5] |
| 12378-PeCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123478-HxCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123678-HxCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123789-HxCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 1234678-HpCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| OCDD | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 2378-TCDF | R[2] | J[1,7] | J[1,7] | J[1,7] | J[1,7] |
| 12378-PeCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 23478-PeCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123478-HxCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123678-HxCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 123789-HxCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 234678-HxCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 1234678-HpCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| 1234789-HpCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| OCDF | J[1,8] | J[1] | J[1] | J[1] | J[1] |
| HCX | J[3,5] | J[3,5] | J[3,5] | J[3,5] | J[3,5] |
| TCX | R[1] | R[1] | R[1] | R[1] | R[1] |

07/29/2002 MON 11:20 FAX 010/010

Table I
Recommendation Summary Table for Dioxins/Furans/HCX/TCX

| | | |
|---|---|---|
| A | - | Accept results. |
| $J^1$ | - | SRM %D outside criterion; J detects, UJ non-detects. |
| $J^2$ | - | Initial calibration outside criterion; J detects. |
| $J^3$ | - | Poor chromatography; J detects, UJ non-detects. |
| $J^4$ | - | OPR recovery high; J detects. |
| $J^5$ | - | Laboratory duplicate precision outside criterion; J detects, UJ non-detects. |
| $J^6$ | - | Field duplicate precision precision outside criterion; J detects. |
| $J^7$ | - | Internal standard recoveries outside criterion; J detects, UJ non-detects. |
| $J^8$ | - | Clean-up standard recoveries outside criterion; J detects, UJ non-detects. |
| $R^1$ | - | Non-compliant method detection limits and recovery; R non-detects. |
| $R^2$ | - | Internal standard recoveries < 10%; R non-detects. |

07/29/2002 MON 11:21 FAX 014/017

EPA-NE - Data Validation Worksheet

**Overall Evaluation of Data - Data Validation Memorandum - Table II**

| DIOXIN/FURAN/HCX/TCX ANALYSIS | | | | | |
|---|---|---|---|---|---|
| DQO (List all DQOs) | Sampling and/or Analytical Method Appropriate Yes or No | Measurement Error | | Sampling Variability | Potential Usability Issues |
| | | Analytical Error | Sampling Error* | | |
| The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):<br><br>To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site. | Yes,<br>Sampling Method appropriate for all samples.<br><br>Yes,<br>Analytical Method appropriate for all samples. | Refer to qualification in R/S Key on Table I:<br><br>R[1,2,3,4,5,6] | Refer to qualification in R/S Key on Table I:<br><br>J[6] | ** | One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for Dioxin/Furan congeners in fish tissue). The majority of the congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30%D from the consensus value. Since 9 out of 17 congeners had low recoveries, the results for dioxin/furan in all samples were estimated (J, UJ) due to the possibility of biased low results.<br><br>The TCX initial calibration %RSD was noncompliant. The laboratory did not perform any additional QC procedures, such as a laboratory control sample or matrix spike samples for the TCX analysis. Therefore, the results of the initial calibration standards were investigated. The low standards in the multipoint initial calibration had an erratic response. The laboratory used the lowest standard as the reporting limit for the non-detected results. The erratic response would indicate that this may not be an appropriate reporting limit. Therefore, the TCX results were rejected (R).<br><br>Data validation indicated minor data quality problems which do not significantly impact the usability of the dioxin/furan data. However, the nondetected results for 2,3,7,8-TCDF were rejected in three samples due to low (<10%) recovery of the internal standards. Additionally, the TCX data were rejected. See the discussion in the data validation memorandum for details. The reported results are usable for the site objectives with the exception of the TCX results. |

* The evaluation of "sampling error" cannot be completely assessed in the data validation.

** Sampling variability is not assessed in data validation.

Validator: Marie Bare

Date: 7/24/02

Data Summary Table
Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B2OF2 SDG No. 49038-30 D/F
LABORATORY: Battelle

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | CMS-DU-072001-A | | CMS-EW-4001-0000-01 | | CMS-EW-4002-0000-01 | | CMS-EW-4003-0000-01 | | LPX-EW-4004-0000-01 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | Centredale Manor Site | | Centredale Manor Site | | Centredale Manor Site | | Centredale Manor Site | | Lyman Mfg Pond | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| TCDD/TCDF CONC.: | | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 301.36 J | | 140.25 J | | 215.60 J | | 180.06 J | | 79.54 J | |
| 1,2,3,7,8-PeCDD | 1.0 | 0.79 J | | 0.32 J | | 0.67 J | | 0.75 J | | UJ | 0.88 |
| 1,2,3,4,7,8-HxCDD | 0.5 | UJ | 0.62 | 0.73 J | | 1.05 J | | 1.39 J | | UJ | 0.59 |
| 1,2,3,6,7,8-HxCDD | 0.01 | 4.26 J | | 2.12 J | | 2.79 J | | 4.44 J | | 0.52 J | |
| 1,2,3,7,8,9-HxCDD | 0.01 | 3.90 J | | 1.87 J | | 2.52 J | | 3.64 J | | 0.40 J | |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | 93.56 J | | 49.89 J | | 69.46 J | | 107.19 J | | 13.06 J | |
| OCDD | < 0.0001 | 552.95 J | | 387.43 J | | 472.01 J | | 754.24 J | | 94.74 J | |
| 2,3,7,8-TCDF | 0.05 | UJ | 2.69 | UJ | 1.76 | 0.67 JS | | R | | 0.48 J | |
| 1,2,3,7,8-PeCDF | 0.05 | UJ | 0.60 | 0.23 J | | UJ | 0.42 | UJ | 1.15 | UJ | 0.85 |
| 2,3,4,7,8-PeCDF | 0.5 | UJ | 0.66 | UJ | 0.78 | UJ | 0.50 | 0.34 J | | 0.28 J | |
| 1,2,3,4,7,8-HxCDF | 0.1 | 1.64 J | | 0.91 J | | 1.29 J | | 2.05 J | | 0.44 J | |
| 1,2,3,6,7,8-HxCDF | 0.1 | 1.31 J | | 0.87 J | | 0.97 J | | 1.79 J | | UJ | 0.79 |
| 1,2,3,7,8,9-HxCDF | 0.1 | UJ | 0.75 | UJ | 1.21 | UJ | 0.35 | UJ | 0.64 | UJ | 0.92 |
| 2,3,4,6,7,8-HxCDF | 0.1 | 0.85 J | | 0.49 J | | 0.69 J | | 0.92 J | | UJ | 0.84 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | 18.75 J | | 12.42 J | | 16.13 J | | 27.04 J | | 4.53 J | |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 1.16 J | | 0.79 J | | 0.85 J | | 1.32 J | | 0.29 J | |
| OCDF | < 0.0001 | 48.99 J | | 32.76 J | | 37.44 J | | 64.23 J | | 9.41 J | |
| TOTAL TCDD | | 301.36 J | | 140.25 J | | 215.60 J | | 180.06 J | | 79.54 J | |
| TOTAL PeCDD | | 1.72 J | | 1.61 J | | 3.01 J | | 2.87 J | | UJ | 0.88 |
| TOTAL HxCDD | | 29.56 J | | 16.09 J | | 22.98 J | | 29.34 J | | 4.46 J | |
| TOTAL HpCDD | | 181.43 J | | 99.20 J | | 143.02 J | | 213.29 J | | 28.54 J | |
| TOTAL TCDF | | UJ | 2.69 | UJ | 1.76 | 1.16 J | | UJ | 3.04 | 0.82 J | |
| TOTAL PeCDF | | 31.76 J | | 18.61 J | | 37.58 J | | 19.87 J | | 40.59 J | |
| TOTAL HxCDF | | 35.92 J | | 23.18 J | | 31.04 J | | 34.18 J | | 7.66 J | |
| TOTAL HpCDF | | 44.90 J | | 29.53 J | | 38.89 J | | 60.19 J | | 9.46 J | |
| HCX - Hexachloroxanthene | | 17932.55 J | | 5135.48 J | | 8689.96 J | | 8651.47 J | | 405.06 J | |
| TCX - Tetrachloroxanthene | | R | | R | | R | | R | | R | |
| TOXIC EQUIVALENT(1): | | 300 J | | 140 J | | 220 J | | 180 J | | 80 J | |
| PERCENT SOLIDS: | | 23.00 | | 19.40 | | 20.31 | | 23.89 | | 24.62 | |
| PERCENT LIPIDS: | | 2.30 | | 3.92 | | 2.67 | | 2.16 | | 2.29 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 07/20/01 | | 07/18/01 | | 07/18/01 | | 07/19/01 | | 07/19/01 | |
| DATE OF RECEIPT: | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | |
| SAMPLE EXTRACTION DATE: | | 09/28/01 | | 09/28/01 | | 09/28/01 | | 09/28/01 | | 09/28/01 | |
| ANALYSIS DATE: | | 10/11/01 | | 10/09/01 | | 10/09/01 | | 10/09/01 | | 10/11/01 | |
| LAB SAMPLE ID: | | 49038-30-16 | | 49038-30-07 | | 49038-30-08 | | 49038-30-09 | | 49038-30-11 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.
< = The expected upper limit of the TEF values for the congener in fish.
S = Result reported from confirmation analysis

01/29/2002 MON 11:11 FAX 010/011

# Data Summary Table

Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue 82DF2 SDG No. 49038-30 D/F
LABORATORY: Battelle

CMS per Harding ESE DDavidson 8/7/02

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | LPX-EW-4005-C000-01 | | LPX-EW-4006-C000-01 | | LPX-EW-4007-C000-01 | | RWR-EW-5001-0000-01 | | RWR-EW-5002-C000-01 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | Lymansville Pond | | Lymansville Pond | | Lymansville Pond | | Woonasquatucket River Upstream Reach | | Woonasquatucket River Upstream Reach | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| TCDD/TCDF CONC.: | | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* | pg/g | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 122.94 J | | 4.68 J | | 3.04 J | | 0.47 J | | 0.30 J | |
| 1,2,3,7,8-PeCDD | 1.0 | 8.84 J | | 0.18 J | | 1.30 J | | 0.39 J | | UJ | 0.98 |
| 1,2,3,4,7,8-HxCDD | 0.5 | 1.61 J | | 0.16 J | | 3.70 J | | 0.45 J | | 0.48 J | |
| 1,2,3,6,7,8-HxCDD | 0.01 | 4.50 J | | 0.53 J | | 9.06 J | | 1.57 J | | 1.67 J | |
| 1,2,3,7,8,9-HxCDD | 0.01 | 5.06 J | | 0.50 J | | 9.56 J | | 1.29 J | | 1.02 J | |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | 116.59 J | | 8.83 J | | 240.13 J | | 25.53 J | | 26.67 J | |
| OCDD | < 0.0001 | 775.02 J | | 51.21 J | | 1645.85 J | | 184.87 J | | 202.35 J | |
| 2,3,7,8-TCDF | 0.05 | R | | 0.16 JS | | R | | UJ | 1.82 | UJ | 1.56 |
| 1,2,3,7,8-PeCDF | 0.05 | UJ | 0.47 | UJ | 0.42 | UJ | 1.49 | UJ | 0.72 | UJ | 1.01 |
| 2,3,4,7,8-PeCDF | 0.5 | UJ | 0.55 | UJ | 0.42 | UJ | 1.96 | UJ | 0.80 | UJ | 1.07 |
| 1,2,3,4,7,8-HxCDF | 0.1 | 1.27 J | | 0.75 J | | 3.60 J | | 0.76 J | | UJ | 0.97 |
| 1,2,3,6,7,8-HxCDF | 0.1 | 1.06 J | | 0.29 J | | 3.79 J | | 0.61 J | | 0.69 J | |
| 1,2,3,7,8,9-HxCDF | 0.1 | UJ | 0.35 | UJ | 0.35 | UJ | 1.41 | UJ | 0.44 | UJ | 1.16 |
| 2,3,4,6,7,8-HxCDF | 0.1 | 0.74 J | | 0.35 J | | 2.55 J | | 0.42 J | | UJ | 1.05 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | 18.35 J | | 2.65 J | | 116.06 J | | 8.80 J | | 10.33 J | |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 1.11 J | | 0.15 J | | 5.35 J | | 0.53 J | | UJ | 0.91 |
| OCDF | < 0.0001 | 44.69 J | | 4.39 J | | 265.43 J | | 15.96 J | | 22.78 J | |
| TOTAL TCDD | | 122.94 J | | 4.68 J | | 3.04 J | | 0.60 J | | 0.30 J | |
| TOTAL PeCDD | | 3.69 J | | 1.51 J | | 3.62 J | | 2.76 J | | UJ | 0.98 |
| TOTAL HxCDD | | 41.34 J | | 5.47 J | | 59.86 J | | 23.59 J | | 9.95 J | |
| TOTAL HpCDD | | 316.16 J | | 18.86 J | | 446.93 J | | 89.83 J | | 51.66 J | |
| TOTAL TCDF | | UJ | 3.38 | 1.14 J | | UJ | 4.51 | UJ | 1.82 | 1.29 J | |
| TOTAL PeCDF | | 11.96 J | | 4.23 J | | 14.11 J | | 26.86 J | | 9.48 J | |
| TOTAL HxCDF | | 25.54 J | | 5.68 J | | 96.47 J | | 40.92 J | | 13.37 J | |
| TOTAL HpCDF | | 41.20 J | | 5.30 J | | 249.38 J | | 21.66 J | | 21.16 J | |
| HCX - Hexachlorobenzene | | 4074.07 J | | UJ | 19.86 | UJ | 19.93 | UJ | 19.84 | UJ | 39.70 |
| TCX - Tetrachlorobenzene | | R | | R | | R | | R | | R | |
| TOXIC EQUIVALENT(1): | | 120 J | | 5.3 J | | 9.0 J | | 1.4 J | | 0.79 J | |
| PERCENT SOLIDS: | | 25.06 | | 57.14 | | 23.59 | | 41.88 | | 24.94 | |
| PERCENT LIPIDS: | | 3.04 | | 2.21 | | 3.06 | | 5.16 | | 3.04 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 07/20/01 | | 07/18/01 | | 07/19/01 | | 07/17/01 | | 07/18/01 | |
| DATE OF RECEIPT: | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | | 07/20/01 | |
| SAMPLE EXTRACTION DATE: | | 09/28/01 | | 09/28/01 | | 09/28/01 | | 09/28/01 | | 09/28/01 | |
| ANALYSIS DATE: | | 10/11/01 | | 10/08/01 | | 10/09/01 | | 10/09/01 | | 10/11/01 | |
| LAB SAMPLE ID: | | 49038-30-10 | | 49038-30-05 | | 49038-30-06 | | 49038-30-02 | | 49038-30-13 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.
< = The expected upper limit of the TEF values for the congener in fish.
$ = Result reported from confirmation analysis

# Data Summary Table

*Dioxin/Furan Analysis - Tissue Samples (pg/g wet weight)*

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B2OF2 SDG No. 49038-30 D/F
LABORATORY: Battelle

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | RWR-EW-5003-0000-01 | | | RWR-EW-5004-0000-01 | | |
|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | Woonasquatucket River Upstream Reach | | | Woonasquatucket River Upstream Reach | | |
| MATRIX: | | TISSUE | | | TISSUE | | |
| TCDD/TCDF CONC.: | | pg/g | | DL/EMPC* | pg/g | | DL/EMPC* |
| 2,3,7,8-TCDD | 1.0 | 0.43 | J | | | UJ | 0.72 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.33 | J | | 0.45 | J | |
| 1,2,3,4,7,8-HxCDD | 0.6 | 0.51 | J | | 0.87 | J | |
| 1,2,3,6,7,8-HxCDD | 0.01 | 1.95 | J | | 2.73 | J | |
| 1,2,3,7,8,9-HxCDD | 0.01 | 1.48 | J | | 2.06 | J | |
| 1,2,3,4,6,7,8-HpCDD | 0.001 | 39.65 | J | | 51.80 | J | |
| OCDD | < 0.0001 | 324.37 | J | | 359.45 | J | |
| 2,3,7,8-TCDF | 0.05 | 0.86 | J$ | | | UJ | 1.97 |
| 1,2,3,7,8-PeCDF | 0.05 | 0.47 | J | | 0.42 | J | |
| 2,3,4,7,8-PeCDF | 0.5 | 0.56 | J | | 0.59 | J | |
| 1,2,3,4,7,8-HxCDF | 0.1 | 1.65 | J | | 1.85 | J | |
| 1,2,3,6,7,8-HxCDF | 0.1 | 1.26 | J | | 1.53 | J | |
| 1,2,3,7,8,9-HxCDF | 0.1 | | UJ | 0.39 | | UJ | 0.58 |
| 2,3,4,6,7,8-HxCDF | 0.1 | 0.77 | J | | 0.94 | J | |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | 16.82 | J | | 20.28 | J | |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 0.71 | J | | 1.17 | J | |
| OCDF | < 0.0001 | 25.96 | J | | 35.15 | J | |
| TOTAL TCDD | | 0.43 | J | | | UJ | 0.72 |
| TOTAL PeCDD | | 2.12 | J | | 0.97 | J | |
| TOTAL HxCDD | | 14.36 | J | | 16.38 | J | |
| TOTAL HpCDD | | 110.46 | J | | 103.46 | J | |
| TOTAL TCDF | | 1.86 | J | | | UJ | 1.97 |
| TOTAL PeCDF | | 17.48 | J | | 14.57 | J | |
| TOTAL HxCDF | | 22.28 | J | | 24.25 | J | |
| TOTAL HpCDF | | 33.44 | J | | 41.69 | J | |
| HCX - Hexachloroxanthene | | | UJ | 19.93 | | UJ | 19.90 |
| TCX - Tetrachloroxanthene | | | R | | | R | |
| TOXIC EQUIVALENT(1): | | 2.0 | J | | 2.0 | J | |
| PERCENT SOLIDS: | | 25.93 | | | 24.16 | | |
| PERCENT LIPIDS: | | 2.59 | | | 3.52 | | |
| DILUTION FACTOR: | | 1.0 | | | 1.0 | | |
| DATE SAMPLED: | | 07/17/01 | | | 07/18/01 | | |
| DATE OF RECEIPT: | | 07/20/01 | | | 07/20/01 | | |
| SAMPLE EXTRACTION DATE: | | 09/28/01 | | | 09/28/01 | | |
| ANALYSIS DATE: | | 10/08/01 | | | 10/08/01 | | |
| LAB SAMPLE ID: | | 49038-30-04 | | | 49038-30-03 | | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked. The EMPC values are not qualified with a "J", since they are already estimated.

(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.

Concentrations reported by the laboratory below the lowest standard are flagged (J) on the Data Summary Table as estimated values. All other necessary qualifications are defined in Table I.

< = The expected upper limit of the TEF values for the congener in fish.

$ = Result reported from confirmation analysis

Steve Stodola
US EPA Approval Signature

July 23, 2002
Date

July 17, 2002
B-02-07-P-01
Revised: July 22, 2002

Ms. Christine Clark
Regional Sample Control Custodian
Office of Environmental Measurement and Evaluation
U.S. EPA Region I
11 Technology Drive
North Chelmsford, MA 01863

Re: TO No. 010, Task No. 2, TDF No. 0449B
Case No. Diet Tissue B1OF2, SDG No. 49038-21 PCB
Battelle Laboratories - Columbus, OH
Centredale Manor, North Providence, RI

209 PCB Congeners: 5/Diet Tissue/GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01
LPX-CF-4001-0000-01, LPX-CF-4002-0000-01,
LPX-EI-4006-4010-0000-01

1/Fish Tissue SRM/CIL EDF 2526

Dear Ms. Clark:

A Tier III data validation was performed on the 209 PCB congeners analytical data for five diet tissue samples collected by Harding ESE, Inc. for the U.S. EPA at the Centredale Manor Site in North Providence, RI. The samples were analyzed according to EPA Method 1668A, December 1999, as outlined in the Centredale Manor Tasks 19-22 QAPP (5/23/01). The samples were validated using first the criteria in the Centredale Manor Tasks 19-22 QAPP (5/23/01) prepared by Battelle Duxbury Operations which include the criteria in EPA Method 1668A, December 1999, defaulting next to Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria, and to EPA Region I's Environmental Services Assistance Team PCB Congener Data Validation ESAT-01-0008 Draft (8/31/01). The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness (CSF Audit - Tier I)
- * Preservation and Technical Holding Times
- PE Samples/Accuracy Check
- * Window Defining Mix
- Initial and Continuing Calibrations
- Chromatographic Resolution
- * Instrument Sensitivity Check
- Blanks

| | | |
|---|---|---|
| * | • | Matrix Spike/Matrix Spike Duplicate |
| | • | Laboratory Control Sample |
| * | • | Laboratory and Field Duplicates |
| | • | Internal/Clean-up Standards |
| * | • | Sample Analysis and Identification |
| | • | Sample Quantitation |
| * | • | Estimated Detection Limits (EDL) and Estimated Maximum Possible Concentration (EMPC) |
| | • | 2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity |
| * | • | Required Sample Reruns and Second Column Confirmation |
| | • | System Performance |

* - All criteria were met for this parameter.

**The following information was used to generate the Data Validation Memorandum attachments:**

Table I: Recommendation Summary Table - summarizes validation recommendations

Table II: Overall Evaluation of Data - summarizes site objectives and potential usability issues

Data Summary Tables - summarize accepted, qualified, and rejected data

**Overall Evaluation of Data and Potential Usability Issues**

The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):

- To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site.

One Cambridge Isotope Laboratories, Inc. (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). One congener out of five was outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since one of the congeners had low recoveries, the results for that congener, PCB-126, in all samples were estimated (J, UJ) due to the possibility of biased low results.

The method blank exhibited low level contamination. This contamination problem does not have an impact on the usability of the data. Contaminants were found in both the blank and the field samples. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.

Lock mass instability prevented the determination of PCB-209 in the LCS/OPR and in samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01. The non-detected PCB-209 results were rejected (R) for these samples.

Data validation indicated minor data quality problems which do not significantly impact the usability of the data. However, the PCB-209 data were rejected for samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01. See the discussion below for details. The reported results are usable for the site objectives with the exception of the PCB-209 results for these two samples. PCB-209 does not have a TEF value assigned. Therefore, rejecting these results will not affect the Toxic Equivalency values reported for these two samples.

**Data Completeness (CSF Audit - Tier I)**

The following data or information in the data package had discrepancies and/or were missing:

**A. Emerging Insect Samples:**

A.1. The emerging insect samples were collected over an extended period of time. The field sampling contractor was asked to submit documentation of sample location and storage between the time that sampling commenced on 6/25/01 and when they were relinquished on 7/20/01.

A.2. A chain of custody was "Relinquished by" Charles Lyman on 7/20/01 but the "Received by" name is unreadable. The field sampling contractor was asked for documentation of sample location and storage from 7/20/01 until shipment to Battelle MSL, Sequim, WA on 8/2/01.

A.3. The laboratory was asked for any internal custody records as well as any preparation records, including the compositing of these samples, from Battelle MSL.

A.4. A spreadsheet containing sample location and sample ID information (page 0007) was submitted in the data package for the crayfish samples. The laboratory was asked to submit the same information for the emerging insect samples.

A.5. No percent solids/lipids data were previously submitted for the emerging insect samples. The laboratory was asked to submit the percent solids/lipids data for these samples.

**B. Crayfish Samples:**

B.1. The crayfish samples were collected over an extended period of time. The field sampling contractor was asked to submit documentation of sample location and storage between the time that sampling commenced on 7/2/01 and when they were relinquished on 7/20/01.

B.2. A chain of custody from 7/20/01 was received that was "Relinquished by" Charles Lyman but there is no "Received by" signature or date. The field sampling contractor was asked to submit the copy of the custody form containing a receipt signature.

B.3. The field sampling contractor was asked for documentation of sample location and storage from 7/20/01 until shipment to Battelle MSL, Sequim, WA and to identify what date the shipment to Battelle MSL occurred.

B.4. The chain of custody and related login information from the receipt at Battelle MSL was included in the data package for the emerging insect samples (pages 00001-0004) but not for the crayfish samples. The laboratory was asked to submit the chain of custody from the receipt at Battelle MSL for the crayfish samples, as well as the login worksheet and a printout of the associated login file.

B.5. The laboratory was asked for any internal custody records as well as any preparation records for the crayfish samples from Battelle MSL.

C.1. On pages 601-603 of the data package the laboratory reported the method blank (49038-21-23) results using both 3.0 g and 0.5 g sample weights. The laboratory was asked to also report these method blank results for 2.5 g and 5.0 g sample weights, since they correspond to the other sample weights analyzed in this SDG.

Items A1 thru B5 was requested via the TOPO on March 25, 2002. Item C1 was requested via the TOPO on June 11, 2002. Items A1 thru B5 were received via the TOPO on May 3, 2002. Item C1 was received via the TOPO on July 3, 2002. All items were adequately addressed.

**PE Samples/Accuracy Check**

One Cambridge Isotope Laboratories, Inc. (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). All of the congeners were within the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value except for PCB-126.

The following table summarizes the SRM sample (49038-21-21 Fish SRM) result which did not meet criterion and the resulting sample qualifications:

| PE Sample Number | Congener | %D | Action | |
|---|---|---|---|---|
| | | | Positive Detects | NDs |
| CIL EDF 2526 | PCB-126 | 35 | J | UJ |

PCB-126 had low recoveries and %Ds above the criterion. The results for PCB-126 in all the samples were estimated (J, UJ) due to the possibility of biased low results.

This SRM was processed using a smaller amount of tissue to adjust for the high lipid content of the SRM. The need for this modification to the preparation procedures was noted in previous analyses of associated samples.

**Initial and Continuing Calibrations**

The following table summarizes the Calibration Verification (VER) results which did not meet Method 1668A recovery criterion listed below and the resulting sample qualifications:

| VER Date | Compound | Recovery (%) | Acceptable Recovery Range (%) | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | | | | Positive Detects | NDs | |
| 12/11/01 (Ending) | $^{13}C_{12}$-PCB-1 | 167 | 50-150 | J | UJ | All |
| | $^{13}C_{12}$-PCB-3 | 168 | 50-150 | J | UJ | |
| | $^{13}C_{12}$-PCB-19 | 165 | 50-150 | J | UJ | |

The data associated with recoveries of noncompliant calibration verifications are qualified due to the high variability. The quantitation of the associated analytes in the samples could be biased.

**Chromatographic Resolution**

Many of the PCB congeners coeluted on the SPB-Octyl gas chromatography column used for this project. This situation was documented in the Centredale Manor Tasks 19-22 QAPP (5/23/01). The laboratory reported the concentrations of the coeluting congeners as totals. These totals are reported on the Data Summary Tables in this memorandum and are not affected by the coelution of the congeners. Three of the "toxic congeners" with TEF values coeluted: PCB-123, PCB-156, and PCB-157.

| Coeluting Congeners | Reported as on the Data Summary Table: |
|---|---|
| PCB-12, PCB-13 | PCB-12/PCB-13 |
| PCB-16, PCB-24, PCB-27 | PCB-16/PCB-24/PCB-27 |
| PCB-18, PCB-30 | PCB-18/PCB-30 |
| PCB-20, PCB-21, PCB-28, PCB-33 | PCB-20/PCB-21/PCB-28/PCB-33 |
| PCB-26, PCB-29 | PCB-26/PCB-29 |
| PCB-40, PCB-41, PCB-71 | PCB-40/PCB-41/PCB-71 |
| PCB-43, PCB-52, PCB-73 | PCB-43/PCB-52/PCB-73 |
| PCB-44, PCB-47, PCB-65 | PCB-44/PCB-47/PCB-65 |
| PCB-45, PCB-51 | PCB-45/PCB-51 |
| PCB-49, PCB-69 | PCB-49/PCB-69 |

| Coeluting Congeners | Reported as on the Data Summary Table: |
|---|---|
| PCB-50, PCB-53 | PCB-50/PCB-53 |
| PCB-59, PCB-62, PCB-75 | PCB-59/PCB-62/PCB-75 |
| PCB-61, PCB-70, PCB-74, PCB-76 | PCB-61/PCB-70/PCB-74/PCB-76 |
| PCB-83, PCB-99, PCB-112 | PCB-83/PCB-99/PCB-112 |
| PCB-85, PCB-116, PCB-117 | PCB-85/PCB-116/PCB-117 |
| PCB-86, PCB-87, PCB-97, PCB-109, PCB-119, PCB-125 | PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 |
| PCB-90, PCB-101, PCB-113 | PCB-90/PCB-101/PCB-113 |
| PCB-88, PCB-91 | PCB-88/PCB-91 |
| PCB-93, PCB-98, PCB-100, PCB-102 | PCB-93/PCB-98/PCB-100/PCB-102 |
| PCB-108, PCB-124 | PCB-108/PCB-124 |
| PCB-110, PCB-115 | PCB-110/PCB-115 |
| PCB-106, PCB-107, PCB-123 | PCB-106/PCB-107/2'344'5-PentaCB (#123) |
| PCB-128, PCB-166 | PCB-128/PCB-166 |
| PCB-129, PCB-138, PCB-160, PCB-163 | PCB-129/PCB-138/PCB-160/PCB-163 |
| PCB-134, PCB-143 | PCB-134/PCB-143 |
| PCB-135, PCB-151, PCB-154 | PCB-135/PCB-151/PCB-154 |
| PCB-137, PCB-164 | PCB-137/PCB-164 |
| PCB-146, PCB-161 | PCB-146/PCB-161 |
| PCB-147, PCB-149 | PCB-147/PCB-149 |
| PCB-153, PCB-168 | PCB-153/PCB-168 |
| PCB-156, PCB-157 | 233'44'5HexaCB (#156)/233'44'5'HexaCB (#157) |
| PCB-171, PCB-173 | PCB-171/PCB-173 |
| PCB-174, PCB-183, PCB-185 | PCB-174/PCB-183/PCB-185 |
| PCB-180, PCB-193 | PCB-180/PCB-193 |
| PCB-197, PCB-200 | PCB-197/PCB-200 |
| PCB-198, PCB-199 | PCB-198/PCB-199 |

**Blanks**

The blank associated with this SDG was evaluated for possible sources of contamination. The following table lists the highest concentration of contamination that was detected in the blank. The table lists the action levels and the samples affected:

| Congener | Type of Blank | Blank Concentration (ng/Kg) [per 3 g sample] | Action Level (ng/Kg) [per 3 g sample] | Affected Samples |
|---|---|---|---|---|
| PCB-1 | Method Blank (9/19/01) | 8.9 | 44 | All |
| PCB-3 | Method Blank (9/19/01) | 11 | 53 | All |
| PCB-16/PCB-24/ PCB-27 | Method Blank (9/19/01) | 2.6 | 13 | GMP-CF-5001-0000-01 |
| PCB-17 | Method Blank (9/19/01) | 3.3 | 17 | GMP-CF-5001-0000-01, LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-18/PCB-30 | Method Blank (9/19/01) | 6.2 | 31 | LPX-EI-4006-4010-0000-01 |
| PCB-22 | Method Blank (9/19/01) | 3.4 | 17 | GMP-CF-5001-0000-01 |
| PCB-40/PCB-41/ PCB-71 | Method Blank (9/19/01) | 17 | 87 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-42 | Method Blank (9/19/01) | 6.7 | 34 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-43/PCB-52/ PCB-73 | Method Blank (9/19/01) | 50 | 250 | GMP-EI-5001-5005-0000-01 |
| PCB-44/PCB-47/ PCB-65 | Method Blank (9/19/01) | 39 | 190 | GMP-EI-5001-5005-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-45/PCB-51 | Method Blank (9/19/01) | 1.2 | 5.8 | GMP-CF-5001-0000-01 |
| PCB-46 | Method Blank (9/19/01) | 0.56 | 2.8 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01 |
| PCB-48 | Method Blank (9/19/01) | 5.6 | 28 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-EI-4006-4010-0000-01 |

| Congener | Type of Blank | Blank Concentration (ng/Kg) [per 3 g sample] | Action Level (ng/Kg) [per 3 g sample] | Affected Samples |
|---|---|---|---|---|
| PCB-56 | Method Blank (9/19/01) | 15 | 77 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-59/PCB-62/ PCB-75 | Method Blank (9/19/01) | 2.2 | 11 | GMP-EI-5001-5005-0000-01 |
| PCB-64 | Method Blank (9/19/01) | 14 | 72 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01 |
| PCB-66 | Method Blank (9/19/01) | 32 | 160 | GMP-EI-5001-5005-0000-01 |
| PCB-61/PCB-70/ PCB-74/PCB-76 | Method Blank (9/19/01) | 70 | 350 | GMP-EI-5001-5005-0000-01 |
| PCB-82 | Method Blank (9/19/01) | 13 | 66 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01 |
| PCB-84 | Method Blank (9/19/01) | 28 | 140 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-86/PCB-87/ PCB-97/PCB-109/ PCB-119/ PCB-125 | Method Blank (9/19/01) | 65 | 320 | GMP-EI-5001-5005-0000-01 |
| PCB-89 | Method Blank (9/19/01) | 0.96 | 4.8 | All |
| PCB-88/PCB-91 | Method Blank (9/19/01) | 9.8 | 49 | GMP-EI-5001-5005-0000-01 |
| PCB-93/PCB-98/ PCB-100/ PCB-102 | Method Blank (9/19/01) | 2.6 | 13 | GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-95 | Method Blank (9/19/01) | 67 | 340 | GMP-EI-5001-5005-0000-01 |
| PCB-110/ PCB-115 | Method Blank (9/19/01) | 100 | 520 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01, LPX-CF-4002-0000-01 |
| 33'44'5-PentaCB (#126) | Method Blank (9/19/01) | 1.2 | 6.0 | GMP-CF-5001-0000-01, GMP-EI-5001-5005-0000-01 |
| PCB-134/ PCB-143 | Method Blank (9/19/01) | 5.8 | 29 | GMP-EI-5001-5005-0000-01 |

| Congener | Type of Blank | Blank Concentration (ng/Kg) [per 3 g sample] | Action Level (ng/Kg) [per 3 g sample] | Affected Samples |
|---|---|---|---|---|
| PCB-136 | Method Blank (9/19/01) | 10 | 51 | LPX-EI-4006-4010-0000-01 |
| PCB-137/ PCB-164 | Method Blank (9/19/01) | 13 | 67 | GMP-EI-5001-5005-0000-01 |
| PCB-171/ PCB-173 | Method Blank (9/19/01) | 7.8 | 39 | LPX-CF-4002-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-174/ PCB-183/ PCB-185 | Method Blank (9/19/01) | 38 | 190 | LPX-EI-4006-4010-0000-01 |
| PCB-176 | Method Blank (9/19/01) | 3.1 | 16 | GMP-EI-5001-5005-0000-01, LPX-EI-4006-4010-0000-01 |
| PCB-191 | Method Blank (9/19/01) | 1.0 | 5.2 | LPX-EI-4006-4010-0000-01 |
| PCB-195 | Method Blank (9/19/01) | 5.2 | 26 | LPX-CF-4002-0000-01 |
| PCB-197/ PCB-200 | Method Blank (9/19/01) | 2.7 | 14 | LPX-EI-4006-4010-0000-01 |

Blank actions are based on Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 and EPA Region I's Environmental Services Assistance Team PCB Congener data Validation ESAT-01-0008 Draft (8/31/01) criteria. Blank action levels are calculated as five times the highest concentration of the contaminant determined in any blank. The positive sample results that are less than the blank action level are reported as non-detects (U) at the reported concentration on the Data Summary Table.

**Laboratory Control Sample**

The laboratory extracted and analyzed one LCS/OPR with this group of samples. The following table summarizes the Ongoing Precision and Recovery (OPR) results which did not meet the Centredale Manor Tasks 19-22 QAPP (5/23/01) criteria and the resulting sample qualifications:

| LCS/OPR Date | Compound | % Recovery | % Recovery Range | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | | | | Positive Detects | NDs | |
| 09/19/01 | PCB-209 | 0 | 50-150 | J | R | All |
| 09/19/01 | $^{13}C_{12}$-PCB-209 | 0 | 30-140 | J | R | All |

The positive results for PCB-209 were estimated (J) due to low LCS/OPR recovery. The quantitation of the analytes in the samples could be biased low. The non-detected results for PCB-209 were rejected (R) as unusable in samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01 due to the possibility of false negatives caused by lock mass instability which prevented the determination of PCB-209 in these samples and the LCS/OPR.

**Internal/Clean-up Standards**

- Internal Standards

The following table summarizes the internal standard recoveries that did not meet Centredale Manor Tasks 19-22 QAPP (5/23/01) acceptance criteria of 25-150%:

| Standard | % Recovery | Action | | Affected Samples |
|---|---|---|---|---|
| | | Positive Detects | NDs | |
| $^{13}C_{12}$-PCB-188 | 161 | J | UJ | GMP-EI-5001-5005-0000-01 |
| $^{13}C_{12}$-PCB-202 | 164 | J | UJ | GMP-CF-5001-0000-01 |
| $^{13}C_{12}$-PCB-202 | 191 | J | UJ | GMP-EI-5001-5005-0000-01 |
| $^{13}C_{12}$-PCB-209 | 0 | N/A | R | GMP-CF-5001-0000-01 |
| $^{13}C_{12}$-PCB-209 | 0 | N/A | R | GMP-EI-5001-5005-0000-01 |

The results for the non-labeled congeners corresponding to the internal standards $^{13}C_{12}$-PCB-188 and $^{13}C_{12}$-PCB-202 were estimated (J, UJ) in the affected samples indicated above since the percent recoveries were outside the method acceptance criterion. The PCB-209 results for samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01 were rejected (R) due to internal standard recovery of (0 %) caused by lock mass instability which prevented the determination of PCB-209.

**Sample Quantitation**

Concentrations quantitated below the lowest calibration standard are flagged (J) on the Data Summary Tables. Quantitation is not accurate when the reported results are below the lowest calibration standard.

**2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity**

All TE values reported on the Data Summary Tables have been calculated by the ESAT data validator using the validated data discussed above in this report. The validated data accounts for blank contamination. The TE calculations include the reported EMPC values. The Fish TEF values for the PCBs are published in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number 12, December 1998, Table 2, page 780.

**System Performance**

Lock mass instability prevented the determination of PCB-209 in two samples and the LCS/OPR.

Very truly yours,

LOCKHEED ENVIRONMENTAL

Robert Peary
Scientist

Louis Macri
ESAT Program Manager

cc: Cornell Rosiu, EPA Project Manager (DV Memorandum, Data Summary Table)

Attachments: Table I: Recommendation Summary Table
Table II: Overall Evaluation of Data
Data Summary Tables
Data Validation Worksheets
Analytical Method
PE Scores
Communication/Phone Logs
Field Sampling Notes

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 PCB

| Sample Nos. | GMP-CF-5001 -0000-01 | GMP-EI-5001-5005 -0000-01 | LPX-CF-4001 -0000-01 | LPX-CF-4002 -0000-01 | LPX-EI-4006-4010 -0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| PCB-1 | J[2,3] | J[2,3] | J[2,3] | J[2,3] | J[2,3] |
| PCB-3 | J[2,3] | J[2,3] | J[2,3] | J[2,3] | J[2,3] |
| PCB-4 | A | A | A | A | A |
| PCB-5 | A | A | A | A | A |
| PCB-6 | A | A | A | A | A |
| PCB-7 | A | A | A | A | A |
| PCB-8 | A | A | A | A | A |
| PCB-9 | A | A | A | A | A |
| PCB-10 | A | A | A | A | A |
| PCB-12/PCB-13 | A | A | A | A | A |
| PCB-16/PCB-24/PCB-27 | J[2,3] | J[2] | J[2] | J[2] | J[2] |
| PCB-17 | J[2,3] | J[2] | J[2] | J[2,3] | J[2,3] |
| PCB-18/PCB-30 | J[2] | J[2] | J[2] | J[2] | J[2,3] |
| PCB-19 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-20/PCB-21/PCB-28/PCB-33 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-22 | J[2,3] | J[2] | J[2] | J[2] | J[2] |
| PCB-25 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-26/PCB-29 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-31 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-32 | J[2] | J[2] | J[2] | J[2] | J[2] |
| PCB-40/PCB-41/PCB-71 | J[3] | J[3] | A | J[3] | J[3] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 PCB

| Sample Nos. | GMP-CF-5001 -0000-01 | GMP-EI-5001-5005 -0000-01 | LPX-CF-4001 -0000-01 | LPX-CF-4002 -0000-01 | LPX-EI-4006-4010 -0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| PCB-42 | J[3] | J[3] | A | J[3] | J[3] |
| PCB-43/PCB-52/PCB-73 | A | J[3] | A | A | A |
| PCB-44/PCB-47/PCB-65 | A | J[3] | A | A | J[3] |
| PCB-45/PCB-51 | J[3] | A | A | A | A |
| PCB-46 | J[3] | J[3] | A | J[3] | A |
| PCB-48 | J[3] | J[3] | A | A | J[3] |
| PCB-49/PCB-69 | A | A | A | A | A |
| PCB-50/PCB-53 | A | A | A | A | A |
| PCB-56 | J[3] | J[3] | A | A | J[3] |
| PCB-59/PCB-62/PCB-75 | A | J[3] | A | A | A |
| PCB-60 | A | A | A | A | A |
| PCB-63 | A | A | A | A | A |
| PCB-64 | J[3] | J[3] | A | J[3] | A |
| PCB-66 | A | J[3] | A | A | A |
| PCB-61/PCB-70/PCB-74/PCB-76 | A | J[3] | A | A | A |
| 33'44'-TetraCB (#77) | A | A | A | A | A |
| 344'5-TetraCB (#81) | A | A | A | A | A |
| PCB-82 | J[3] | J[3] | A | A | A |
| PCB-83/PCB-99/PCB-112 | A | A | A | A | A |
| PCB-84 | J[3] | J[3] | A | J[3] | J[3] |
| PCB-85/PCB-116/PCB-117 | A | A | A | A | A |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 PCB

| Sample Nos. | GMP-CF-5001 -0000-01 | GMP-EI-5001-5005 -0000-01 | LPX-CF-4001 -0000-01 | LPX-CF-4002 -0000-01 | LPX-EI-4006-4010 -0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| PCB-86/PCB-87/PCB-97/PCB-109/ PCB-119/PCB-125 | A | J[3] | A | A | A |
| PCB-89 | J[3] | J[3] | J[3] | J[3] | J[3] |
| PCB-90/PCB-101/PCB-113 | A | A | A | A | A |
| PCB-88/PCB-91 | A | J[3] | A | A | A |
| PCB-92 | A | A | A | A | A |
| PCB-93/PCB-98/PCB-100/PCB-102 | A | J[3] | A | J[3] | J[3] |
| PCB-95 | A | J[3] | A | A | A |
| 233'44'-PentaCB (#105) | A | A | A | A | A |
| PCB-108/PCB-124 | A | A | A | A | A |
| PCB-110/PCB-115 | J[3] | J[3] | A | J[3] | A |
| 2344'5-PentaCB (#114) | A | A | A | A | A |
| 23'44'5-PentaCB (#118) | A | A | A | A | A |
| PCB-106/PCB-107/2'344'5-PentaCB (#123) | A | A | A | A | A |
| 33'44'5-PentaCB (#126) | J[1,3] | J[1,3] | J[1] | J[1] | J[1] |
| PCB-128/PCB-166 | A | A | A | A | A |
| PCB-129/PCB-138/PCB-160/ PCB-163 | A | A | A | A | A |
| PCB-130 | A | A | A | A | A |
| PCB-131 | A | A | A | A | A |
| PCB-132 | A | A | A | A | A |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 PCB

| Sample Nos. | GMP-CF-5001 -0000-01 | GMP-EI-5001-5005 -0000-01 | LPX-CF-4001 -0000-01 | LPX-CF-4002 -0000-01 | LPX-EI-4006-4010 -0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| PCB-134/PCB-143 | A | J[3] | A | A | A |
| PCB-135/PCB-151/PCB-154 | A | A | A | A | A |
| PCB-136 | A | A | A | A | J[3] |
| PCB-137/PCB-164 | A | J[5] | A | A | A |
| PCB-141 | A | A | A | A | A |
| PCB-144 | A | A | A | A | A |
| PCB-146/PCB-161 | A | A | A | A | A |
| PCB-147/PCB-149 | A | A | A | A | A |
| PCB-153/PCB-168 | A | A | A | A | A |
| 233'44'5-HexaCB (#156)/ 233'44'5'-HexaCB (#157) | A | A | A | A | A |
| PCB-158 | A | A | A | A | A |
| 23'44'55'-HexaCB (#167) | A | A | A | A | A |
| 33'44'55'-HexaCB (#169) | A | A | A | A | A |
| PCB-170 | A | J[5] | A | A | A |
| PCB-171/PCB-173 | A | J[5] | A | J[3] | J[3] |
| PCB-172 | A | J[5] | A | A | A |
| PCB-174/PCB-183/PCB-185 | A | J[5] | A | A | J[3] |
| PCB-175 | A | J[5] | A | A | A |
| PCB-176 | A | J[3,5] | A | A | J[3] |
| PCB-177 | A | J[5] | A | A | A |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B1OF2/SDG No. 49038-21 PCB

| Sample Nos. | GMP-CF-5001 -0000-01 | GMP-EI-5001-5005 -0000-01 | LPX-CF-4001 -0000-01 | LPX-CF-4002 -0000-01 | LPX-EI-4006-4010 -0000-01 |
|---|---|---|---|---|---|
| Compound | | | | | |
| PCB-178 | A | J[5] | A | A | A |
| PCB-180/PCB-193 | A | J[5] | A | A | A |
| PCB-182 | A | J[5] | A | A | A |
| PCB-184 | A | J[5] | A | A | A |
| PCB-187 | A | J[5] | A | A | A |
| 233'44'55'-HeptaCB (#189) | A | A | A | A | A |
| PCB-190 | A | J[5] | A | A | A |
| PCB-191 | A | J[5] | A | A | J[3] |
| PCB-194 | J[5] | J[5] | A | A | A |
| PCB-195 | J[5] | J[5] | A | J[3] | A |
| PCB-196 | J[5] | J[5] | A | A | A |
| PCB-197/PCB-200 | J[5] | J[5] | A | A | J[3] |
| PCB-198/PCB-199 | J[5] | J[5] | A | A | A |
| PCB-201 | J[5] | J[5] | A | A | A |
| PCB-203 | J[5] | J[5] | A | A | A |
| PCB-205 | A | A | A | A | A |
| PCB-206 | A | A | A | A | A |
| PCB-207 | A | A | A | A | A |
| PCB-209 | R[1,2] | R[1,2] | J[4] | J[4] | J[4] |

Table I
Recommendation Summary Table for PCB Congeners

| | | |
|---|---|---|
| A | - | Accept all results. |
| $J^1$ | - | PE %D outside criterion; J detects, UJ non-detects. |
| $J^2$ | - | VER recoveries outside criterion; J detects, UJ non-detects. |
| $J^3$ | - | Method blank contamination; positive sample results less than the blank action level are reported as non-detects (U) at the concentration reported. |
| $J^4$ | - | Laboratory control sample outside criterion; J detects. |
| $J^5$ | - | Internal standard recoveries outside criterion; J detects, UJ non-detects. |
| $R^1$ | - | Zero percent recovery of laboratory control sample; R non-detects. |
| $R^2$ | - | Zero percent recovery of internal standard; R non-detects. |

EPA-NE - Data Validation Worksheet

**Overall Evaluation of Data - Data Validation Memorandum - Table II**

| PCB ANALYSIS | | | | | |
|---|---|---|---|---|---|
| DQO (list all DQOs) | Sampling and/or Analytical Method Appropriate Yes or No | Measurement Error | | Sampling Variability | Potential Usability Issues |
| | | Analytical Error | Sampling Error* | | |
| The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):<br><br>To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site. | Yes, Sampling Method appropriate for all samples<br><br>Yes, Analytical Method appropriate for all samples. | Refer to qualification in R/S Key on Table I:<br><br>$J^{1,2,3,4,5}$, $R^{1,2}$ | Refer to qualification in R/S Key on Table I: | ** | One Cambridge Isotope Laboratories, Inc. (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). One congener out of five was outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since one of the congeners had low recoveries, the results for that congener, PCB-126, in all samples were estimated (J, UJ) due to the possibility of biased low results.<br><br>The method blank exhibited low level contamination. This contamination problem does not have an impact on the usability of the data. Contaminants were found in both the blank and the field samples. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.<br><br>Lock mass instability prevented the determination of PCB-209 in the LCS/OPR and in samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01. The non-detected PCB-209 results were rejected (R) for these samples.<br><br>Data validation indicated minor data quality problems which do not significantly impact the usability of the data. However, the PCB-209 data for samples GMP-CF-5001-0000-01 and GMP-EI-5001-5005-0000-01 were rejected. See the data validation memorandum for details. The reported results are usable for the site objectives with the exception of PCB-209 results for these two samples. PCB-209 does not have a TEF value assigned. Therefore, rejecting these results will not affect the Toxic Equivalency values reported for these two samples. |

* The evaluation of "sampling error" cannot be completely assessed in the data validation.

** Sampling variability is not assessed in data validation.

Validator: R. [illegible]

Date: 7/22/02

Data Summary Table
Polychlorinated Biphenyls Analysis - Diet Tissue Samples (Wet Weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue - B10F2
LABORATORY: BATTELLE

SDG No. 49008-21 PCB

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | GMP-CF-5001-0000-01 | | GMP-EI-5001-5005-0000-01 | | LPX-CF-4001-0000-01 | | LPX-CF-4002-0000-01 | | LPX-EI-4005-4010-0000-01 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | GREYSTONE MILL POND | | GREYSTONE MILL POND | | LYMANSVILLE POND | | LYMANSVILLE POND | | LYMANSVILLE POND | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | TISSUE | | TISSUE | |
| | | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* |
| PCB-1 | | UJ | 7.33 | UJ | 21.41 | UJ | 9.45 | UJ | 6.72 | UJ | 62.28 |
| PCB-3 | | UJ | 8.06 | UJ | 12.63 | UJ | 9.50 | UJ | 5.59 | UJ | 56.12 |
| PCB-4 | | U | 165.48 | 48.25 J | | 19.53 J | | 16.41 J | | 119.16 J | |
| PCB-5 | | U | 16.55 | U | 19.77 | U | 9.99 | U | 9.92 | U | 94.66 |
| PCB-6 | | U | 16.55 | U | 19.77 | 35.00 | | U | 9.92 | U | 94.56 |
| PCB-7 | | U | 16.55 | U | 19.77 | U | 9.99 | U | 9.92 | U | 94.66 |
| PCB-8 | | U | 165.48 | U | 197.67 | 22.36 J | | U | 99.24 | U | 946.61 |
| PCB-9 | | U | 16.55 | U | 19.77 | U | 9.99 | U | 9.92 | U | 94.66 |
| PCB-10 | | U | 16.55 | U | 19.77 | U | 9.99 | U | 9.92 | U | 94.66 |
| PCB-12/PCB-13 | | U | 33.10 | U | 39.53 | 18.60 J | | U | 19.85 | U | 189.32 |
| PCB-16/PCB-24/PCB-27 | | UJ | 7.50 | 23.52 J | | 24.39 J | | 12.27 J | | 60.55 J | |
| PCB-17 | | UJ | 9.30 | 28.59 J | | 18.82 J | | UJ | 8.95 | UJ | 78.33 |
| PCB-18/PCB-30 | | 42.98 J | | 57.04 J | | 265.12 J | | 121.62 J | | UJ | 164.44 |
| PCB-19 | | 1.87 J | | 5.78 J | | 2.48 J | | 1.73 J | | 21.12 J | |
| PCB-20/PCB-21/PCB-28/PCB-33 | | 160.52 J | | 111.68 J | | 1212.12 J | | 623.00 J | | 798.84 J | |
| PCB-22 | | UJ | 10.90 | UJ | 79.07 | UJ | 39.98 | 13.30 J | | 125.52 J | |
| PCB-25 | | 3.55 J | | 2.92 J | | 15.66 J | | 6.10 J | | 36.94 J | |
| PCB-26/PCB-29 | | 16.12 J | | 6.04 J | | 97.04 J | | 59.90 J | | 66.38 J | |
| PCB-31 | | 83.58 J | | 46.38 J | | 519.39 J | | 287.83 J | | 445.81 J | |
| PCB-32 | | 4.86 J | | 14.84 J | | 10.37 J | | 4.32 J | | 76.94 J | |
| PCB-40/PCB-41/PCB-71 | | U | 39.60 | U | 49.77 | 85.13 J | | U | 37.71 | U | 235.89 |
| PCB-42 | | U | 16.37 | U | 31.02 | 44.27 | | U | 12.48 | U | 188.63 |
| PCB-43/PCB-52/PCB-73 | | 1012.50 | | U | 287.10 | 5073.09 | | 1764.72 | | 1581.39 | |
| PCB-44/PCB-47/PCB-65 | | 283.23 | | U | 124.35 | 1018.23 | | 357.57 | | U | 608.59 |
| PCB-45/PCB-51 | | U | 5.76 | 7.24 J | | 11.32 J | | 6.74 J | | 45.90 J | |
| PCB-46 | | U | 0.95 | U | 2.36 | 2.93 J | | U | 1.72 | 16.98 J | |
| PCB-48 | | U | 13.49 | U | 9.80 | 49.43 | | 17.84 J | | U | 72.73 |
| PCB-49/PCB-69 | | 182.44 | | 133.88 J | | 653.24 | | 177.86 | | 769.58 J | |
| PCB-50/PCB-53 | | 5.10 J | | 3.38 J | | 13.46 J | | 8.38 J | | 44.12 J | |
| PCB-56 | | U | 68.75 | U | 32.07 | 309.16 | | 121.29 | | U | 258.42 |
| PCB-59/PCB-62/PCB-75 | | 23.76 J | | U | 11.58 | 75.18 | | 30.99 J | | 82.77 J | |
| PCB-60 | | 90.41 J | | 56.91 J | | 265.74 | | 108.81 | | 288.59 J | |
| PCB-63 | | 23.08 J | | 23.60 J | | 125.05 | | 38.49 J | | 149.43 J | |
| PCB-64 | | U | 32.90 | U | 75.81 | 71.09 | | U | 21.76 | 443.07 | |
| PCB-66 | | 483.93 | | U | 176.11 | 3156.46 | | 1142.55 | | 1411.82 | |
| PCB-67/PCB-70/PCB-74/PCB-76 | | 636.92 | | U | 395.28 | 2795.48 | | 1043.32 | | 3021.24 | |
| 3,3',4,4'-TetraCB (#77) | 0.0001 | 30.45 J | | 50.93 J | | 181.63 | | 62.21 J | | 302.87 J | |
| 3,4,4',5-TetraCB (#81) | 0.0005 | 2.06 J | | U | 197.67 | 8.32 J | | 2.90 J | | 56.02 J | |
| PCB-82 | | U | 19.53 | U | 62.49 | 53.82 J | | U | 59.24 | 394.57 J | |
| PCB-83/PCB-99/PCB-112 | | 801.27 | | 659.26 | | 4971.54 | | 1234.62 | | 4549.92 | |
| PCB-84 | | U | 73.88 | U | 51.90 | 191.60 | | U | 79.45 | U | 320.95 |
| PCB-85/PCB-116/PCB-117 | | 204.75 | | 229.56 | | 1316.04 | | 326.79 | | 1681.02 | |
| PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 | | 561.36 | | U | 383.34 | 3363.12 | | 893.58 | | 2640.36 | |
| PCB-89 | | U | 5.00 | U | 1.55 | U | 2.12 | U | 1.05 | U | 7.18 |
| PCB-90/PCB-101/PCB-113 | | 1515.72 | | 715.41 | | 8556.89 | | 2816.07 | | 5100.30 | |
| PCB-88/PCB-91 | | 90.86 J | | U | 41.96 | 280.84 | | 123.30 | | 290.32 J | |
| PCB-92 | | 245.17 | | 111.07 J | | 1378.60 | | 405.88 | | 845.75 J | |
| PCB-93/PCB-98/PCB-100/PCB-102 | | 21.12 J | | U | 9.32 | 18.80 J | | U | 6.28 | U | 66.16 |
| PCB-95 | | 439.93 | | U | 275.06 | 2060.91 | | 621.07 | | 2294.07 | |
| 2,3,3',4,4'-PentaCB (#105) | <0.000005 | 438.82 | | 352.59 | | 2114.60 | | 585.19 | | 2152.38 | |
| PCB-106/PCB-124 | | 50.82 J | | 20.45 J | | 380.24 | | 92.18 J | | 156.84 J | |
| PCB-110/PCB-115 | | U | 363.68 | U | 531.64 | 1035.76 | | U | 252.94 | 4170.58 | |
| 2,3,4,4',5-PentaCB (#114) | <0.000005 | 23.95 J | | 33.55 J | | 124.90 | | 32.80 J | | 195.42 J | |
| 2,3',4,4',5-PentaCB (#118) | <0.000005 | 1208.76 | | 1033.74 | | 7930.72 | | 2145.68 | | 6964.65 | |
| PCB-106/PCB-107/2',3,4,4',5-PentaCB (#123) | <0.000005 | 105.98 J | | 97.80 J | | 700.57 | | 180.52 J | | 541.19 J | |
| 3,3',4,4',5-PentaCB (#126) | 0.005 | UJ | 4.40 | UJ | 6.44 | 17.53 J | | 5.93 J | | 47.14 J | |
| PCB-128/PCB-166 | | 208.42 | | 357.34 | | 930.26 | | 214.12 | | 2365.64 | |
| PCB-129/PCB-138/PCB-160/PCB-163 | | 1753.48 | | 2048.04 | | 8797.92 | | 2257.96 | | 12951.12 | |
| PCB-130 | | 98.08 J | | 177.60 J | | 656.89 | | 146.78 | | 1308.26 | |
| PCB-131 | | 9.55 J | | 13.58 J | | 48.25 J | | 12.01 J | | 83.61 J | |
| PCB-132 | | 168.40 | | 148.21 J | | 753.45 | | 213.73 | | 885.22 J | |

Data Summary Table
Polychlorinated Biphenyls Analysis - Diet Tissue Samples (Wet Weight)

SITE: Centrede'e Manor - N. Providence, RI
CASE NO. Diet Tissue - B1CF2 SDG No. 49038-21 PCB
LABORATORY: BATTELLE

| SAMPLE NUMBER: / STATION LOCATION: / MATRIX: | Toxicity Equivalency Factors (1) | GMP-CF-5001-0000-01 GREYSTONE MILL POND TISSUE | | GMP-EI-5001-5006-0000-01 GREYSTONE MILL POND TISSUE | | LPX-CF-4001-0000-01 LYMANSVILLE POND TISSUE | | LPX-CF-4002-0000-01 LYMANSVILLE POND TISSUE | | LPX-EI-4006-4010-0000-01 LYMANSVILLE POND TISSUE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* |
| PCB-134/PCB-143 | | 44.50 J | | U | 26.20 | 321.00 | | 70.00 J | | U | 946.61 |
| PCB-135/PCB-151/PCB-154 | | 341.52 | | 233.40 | | 996.12 | | 249.06 | | 1150.29 | |
| PCB-136 | | 72.99 | | U | 79.07 | 252.93 | | 81.41 | | U | 165.55 |
| PCB-137/PCB-164 | | 197.62 J | | U | 44.64 | 1324.50 | | 334.36 | | 642.10 J | |
| PCB-141 | | 286.27 | | 125.06 | | 1377.25 | | 350.28 | | 660.47 | |
| PCB-144 | | 52.50 J | | 38.23 J | | 212.48 | | 50.67 J | | 227.07 J | |
| PCB-146/PCB-161 | | 310.60 J | | 453.70 | | 1202.96 | | 311.38 | | 2784.38 | |
| PCB-147/PCB-149 | | 1063.72 | | 532.98 | | 3936.80 | | 1056.02 | | 3198.22 | |
| PCB-153/PCB-168 | | 1720.20 | | 2373.00 | | 7018.32 | | 1692.72 | | 13239.06 | |
| 2,3,3',4,4',5- HexaCB (#156)/2,3,3',4,4',5'-HexaCB (#157) | <0.000005 | 158.88 J | | 332.52 | | 931.04 | | 243.60 | | 2547.08 | |
| PCB-158 | | 126.50 | | 112.71 | | 500.69 | | 114.20 | | 677.59 | |
| 2,3',4,4',5,5'-HexaCB (#167) | <0.000005 | 64.77 J | | 50.06 J | | 351.29 | | 96.99 J | | 329.32 J | |
| 3,3',4,4',5,5'-HexaCB (#169) | 0.00005 | 52.06 J | | 184.68 J | | 81.49 J | | 10.27 J | | 138.21 J | |
| PCB-170 | | 245.68 | | 419.41 J | | 686.65 | | 148.45 | | 2164.42 | |
| PCB-171/PCB-173 | | 56.36 J | | 50.90 J | | 68.50 J | | U | 17.40 | U | 176.54 |
| PCB-172 | | 98.80 J | | 165.97 J | | 151.44 J | | 46.17 J | | 408.96 J | |
| PCB-174/PCB-183/PCB-185 | | 332.43 | | 410.22 J | | 946.68 | | 255.56 | | U | 896.76 |
| PCB-175 | | 14.54 J | | UJ | 396.34 | 15.12 J | | 4.14 J | | 61.51 J | |
| PCB-176 | | 27.32 J | | UJ | 11.40 | 39.85 J | | 13.40 J | | U | 32.62 |
| PCB-177 | | 224.40 | | 180.84 J | | 424.77 | | 109.90 | | 564.50 J | |
| PCB-178 | | 188.49 | | 190.91 J | | 240.45 | | 64.92 | | 270.70 J | |
| PCB-180/PCB-193 | | 960.78 | | 800.24 J | | 1541.44 | | 494.56 | | 2722.34 | |
| PCB-182 | | 6.89 J | | 3.25 J | | 5.93 J | | 2.46 J | | 3.41 J | |
| PCB-184 | | 3.86 J | | 2.24 J | | 1.70 J | | 0.56 J | | 0.89 J | |
| PCB-187 | | 982.05 | | 1126.70 J | | 1508.29 | | 378.96 | | 2234.32 | |
| 2,3,3',4,4',5,5'-HeptaCB (#189) | <0.000005 | 14.28 J | | 29.61 J | | 34.03 J | | 10.08 J | | 129.33 J | |
| PCB-190 | | 60.09 J | | 76.73 J | | 118.28 | | 39.12 J | | 491.87 J | |
| PCB-191 | | 12.82 J | | 6.83 J | | 26.73 J | | 7.27 J | | U | 26.56 |
| PCB-194 | | 116.75 J | | 299.31 J | | 145.34 | | 46.95 J | | 806.15 J | |
| PCB-195 | | 43.29 J | | 65.32 J | | 52.38 J | | U | 15.27 | 152.49 J | |
| PCB-196 | | 121.52 J | | 198.22 J | | 113.53 J | | 31.63 J | | 283.93 J | |
| PCB-197/PCB-200 | | 42.48 J | | 38.88 J | | 38.16 J | | 11.69 J | | U | 33.14 |
| PCB-198/PCB-199 | | 993.26 J | | 2117.18 J | | 1207.56 | | 280.78 | | 2359.04 | |
| PCB-201 | | 77.99 J | | 139.17 J | | 60.95 J | | 16.20 J | | 106.57 J | |
| PCB-203 | | 362.64 J | | 1280.52 J | | 332.78 | | 92.27 J | | 1419.92 J | |
| PCB-205 | | 11.50 J | | 28.82 J | | 10.83 J | | 3.60 J | | 53.96 J | |
| PCB-206 | | 452.30 | | 2245.65 | | 513.17 | | 117.31 J | | 3681.97 | |
| PCB-207 | | 57.69 J | | 53.41 J | | 55.84 J | | 13.53 J | | 149.91 J | |
| PCB-208 | | R | | R | | 313.64 J | | 64.31 J | | 1722.18 J | |
| TOTAL PCB | | 21035.58 | | 21018.88 | | 90959.45 | | 25283.54 | | 104466.35 | |
| TOXIC EQUIVALENCY(1): | | 0.016 J | | 0.024 J | | 0.17 J | | 0.054 J | | 0.36 J | |
| PERCENT SOLIDS: | | 39.8 | | NA | | 33.5 | | 30.3 | | NA | |
| PERCENT LIPIDS: | | 3.77 | | 2.82 | | 2.90 | | 2.56 | | 5.44 | |
| DILUTION FACTOR: | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| DATE SAMPLED: | | 07/02/01-07/07/01 | | 06/25/01-07/18/01 | | 07/03/01-07/18/01 | | 07/03/01-07/18/01 | | 06/25/01-07/18/01 | |
| DATE OF RECEIPT: | | 07/21/01 | | 08/03/01 | | 07/21/01 | | 07/21/01 | | 08/03/01 | |
| SAMPLE EXTRACTION DATE: | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | | 09/19/01 | |
| ANALYSIS DATE: | | 12/11/01 | | 12/11/01 | | 12/11/01 | | 12/10/01 | | 12/11/01 | |
| LABORATORY SAMPLE I.D.: | | 49038-21-13 | | 49038-21-19 | | 49038-21-16 | | 49038-21-11 | | 49038-21-17 | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the *Fish Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for* PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
< = The expected upper limit of the TEF values for the congener in fish.
NA = Not analyzed

07/23/2002 10:33 FAX

Steve Stodola
US EPA Approval Signature

July 3, 2002
Date

June 25, 2002
B-02-06-Y-2
Revised: July 3, 2002

Ms. Christine Clark
Regional Sample Control Custodian
Office of Environmental Measurement and Evaluation
U.S. EPA Region I
11 Technology Drive
North Chelmsford, MA 01863

Re: TO No. 010, Task No. 2, TDF No. 0450
Case No. Diet Tissue B2OF2, SDG No. 49038-30 PCB
Battelle Laboratories - Columbus, OH
Centredale Manor, North Providence, RI

209 PCB Congeners: 3/Diet Tissue/CMS-DU-072001-A, LPX-EW-4004-0000-01, RWR-EW-5002-0000-01

1/Fish Tissue SRM/CIL EDF 2526

Dear Ms. Clark:

A Tier III data validation was performed on the 209 PCB congeners analytical data for three diet tissue samples collected by Harding ESE, Inc. for the U.S. EPA at the Centredale Manor Site in North Providence, RI. The samples were analyzed according to EPA Method 1668A, December 1999, as outlined in the Centredale Manor Tasks 19-22 QAPP (5/23/01). The samples were validated using first the criteria in the Centredale Manor Tasks 19-22 QAPP (5/23/01) prepared by Battelle Duxbury Operations which include the criteria in EPA Method 1668A, December 1999, defaulting next to Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 criteria, and to EPA Region I's Environmental Services Assistance Team PCB Congener Data Validation ESAT-01-0008 Draft (8/31/01). The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness (CSF Audit - Tier I)
- * Preservation and Technical Holding Times
- PE Samples/Accuracy Check
- * Window Defining Mix
- Initial and Continuing Calibrations
- Chromatographic Resolution
- * Instrument Sensitivity Check
- Blanks
- * Matrix Spike/Matrix Spike Duplicate
- * Laboratory Control Sample

- Laboratory and Field Duplicates
- Internal/Clean-up Standards
- * Sample Analysis and Identification
- Sample Quantitation
- * Estimated Detection Limits (EDL) and Estimated Maximum Possible Concentration (EMPC)
- 2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity
- * Required Sample Reruns and Second Column Confirmation
- System Performance

* - All criteria were met for this parameter.

**The following information was used to generate the Data Validation Memorandum attachments:**

Table I: Recommendation Summary Table - summarizes validation recommendations

Table II: Overall Evaluation of Data - summarizes site objectives and potential usability issues

Data Summary Tables - summarize accepted, qualified, and rejected data

**Overall Evaluation of Data and Potential Usability Issues**

The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):

- To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site.

One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). Four out of five congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since all of the congeners except for one had low recoveries, the results for all congeners in all samples were estimated (J, UJ) due to the possibility of biased low results.

The method blank had low level contamination. However, the concentration in the method blanks was insignificant when compared to the concentration found in the field samples. Therefore, the method blank contamination does not impact data usability. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.

Data validation indicated minor data quality problems which do not significantly impact the usability of the data. See the discussion below for details. The reported results are usable for the site objectives.

**Data Completeness (CSF Audit - Tier I)**

The following data or information in the data package had discrepancies and/or were missing:

1. The laboratory was asked to submit signed C-O-C from the samplers.

2. The laboratory was asked to submit MS/MSD and duplicate precision spreadsheets with the concentrations and RPDs reported.

Item 1 was requested via the TOPO on February 20, 2002. Item 1 was received via the TOPO on March 3, 2002. Item 2 was requested via the TOPO on June 7, 2002. Item 2 was received via the TOPO on June 18, 2002. All items were adequately addressed.

**PE Samples/Accuracy Check**

One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). Four out of five congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value.

The following table summarizes the SRM sample (49038-30-17 FISH SRM) results which did not meet the criterion and the resulting sample qualifications:

| PE Sample Number | Congener | %D from consensus value | Action | |
|---|---|---|---|---|
| | | | Positive Detects | NDs |
| CIL EDF 2526 | PCB-77 | 31 | J | UJ |
| CIL EDF 2526 | PCB-105 | 31 | J | UJ |
| CIL EDF 2526 | PCB-118 | 69 | J | UJ |
| CIL EDF 2526 | PCB-126 | 35 | J | UJ |

Since all of the congeners except for PCB-169 had low recoveries and a non-compliant %D, the results for all PCB congeners in all samples were estimated (J, UJ) due to the possibility of biased low results.

The laboratory documented in their report that the low recoveries of the congeners in the SRM may be due to the lipid content. The laboratory indicated that for future analyses of associated samples the SRM preparation procedures will be modified.

**Initial and Continuing Calibrations**

The following table summarizes the Calibration Verification (VER) results which did not meet Method 1668A recovery criterion and the resulting sample qualifications:

| VER Date | Compound | Recovery (ng/ml) | Acceptable Recovery Range (ng/ml) | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | | | | Positive Detects | NDs | |
| 12/10/01 (Ending) | $^{13}C_{12}$-PCB-1 | 155 | 25-150 | J | UJ | CMS-DU-072001-A, LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |
| 12/10/01 (Ending) | $^{13}C_{12}$-PCB-3 | 152 | 25-150 | J | UJ | CMS-DU-072001-A, LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |
| 12/10/01 (Ending) | $^{13}C_{12}$-PCB-19 | 153 | 25-150 | J | UJ | CMS-DU-072001-A, LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |

The data associated with recoveries of noncompliant calibration verifications are qualified due to the high variability. The quantitation of the associated analytes in the samples could be biased.

**Chromatographic Resolution**

Many PCB congeners coeluted on the SPB-Octyl gas chromatography column used for the analysis. The laboratory reported the total concentration for the coeluting PCBs. These total concentrations are reported on the Data Summary Table. Three of the "toxic congeners" with TEF values coeluted: PCB-123, PCB-156, and PCB-157.

| Coeluting Congeners | Reported as on the Data Summary Table: |
|---|---|
| PCB-12, PCB-13 | PCB-12/PCB-13 |
| PCB-16, PCB-24, PCB-27 | PCB-16/PCB-24/PCB-27 |
| PCB-18, PCB-30 | PCB-18/PCB-30 |
| PCB-20, PCB-21, PCB-28, PCB-33 | PCB-20/PCB-21/PCB-28/PCB-33 |
| PCB-26, PCB-29 | PCB-26/PCB-29 |
| PCB-40, PCB-41, PCB-71 | PCB-40/PCB-41/PCB-71 |
| PCB-43, PCB-52, PCB-73 | PCB-43/PCB-52/PCB-73 |
| PCB-44, PCB-47, PCB-65 | PCB-44/PCB-47/PCB-65 |
| PCB-45, PCB-51 | PCB-45/PCB-51 |
| PCB-49, PCB-69 | PCB-49/PCB-69 |
| PCB-50, PCB-53 | PCB-50/PCB-53 |

| Cocluting Congeners | Reported as on the Data Summary Table: |
|---|---|
| PCB-59, PCB-62, PCB-75 | PCB-59/PCB-62/PCB-75 |
| PCB-61, PCB-70, PCB-74, PCB-76 | PCB-61/PCB-70/PCB-74/PCB-76 |
| PCB-83, PCB-99, PCB-112 | PCB-83/PCB-99/PCB-112 |
| PCB-85, PCB-116, PCB-117 | PCB-85/PCB-116/PCB-117 |
| PCB-86, PCB-87, PCB-97, PCB-109, PCB-119, PCB-125 | PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 |
| PCB-90, PCB-101, PCB-113 | PCB-90/PCB-101/PCB-113 |
| PCB-88, PCB-91 | PCB-88/PCB-91 |
| PCB-93, PCB-98, PCB-100, PCB-102 | PCB-93/PCB-98/PCB-100/PCB-102 |
| PCB-108, PCB-124 | PCB-108/PCB-124 |
| PCB-110, PCB-115 | PCB-110/PCB-115 |
| PCB-106, PCB-107, PCB-123 | PCB-106/PCB-107/2'344'5-PentaCB (#123) |
| PCB-128, PCB-166 | PCB-128/PCB-166 |
| PCB-129, PCB-138, PCB-160, PCB-163 | PCB-129/PCB-138/PCB-160/PCB-163 |
| PCB-134, PCB-143 | PCB-134/PCB-143 |
| PCB-135, PCB-151, PCB-154 | PCB-135/PCB-151/PCB-154 |
| PCB-137, PCB-164 | PCB-137/PCB-164 |
| PCB-146, PCB-161 | PCB-146/PCB-161 |
| PCB-147, PCB-149 | PCB-147/PCB-149 |
| PCB-153, PCB-168 | PCB-153/PCB-168 |
| PCB-156, PCB-157 | 233'44'5-HexaCB(#156)/233'44'5'-HexaCB(#157) |
| PCB-171, PCB-173 | PCB-171/PCB-173 |
| PCB-174, PCB-183, PCB-185 | PCB-183/PCB-183/PCB-185 |
| PCB-180, PCB-193 | PCB-180/PCB-193 |
| PCB-197, PCB-200 | PCB-197/PCB-200 |
| PCB-198, PCB-199 | PCB-198/PCB-199 |

**Blanks**

The method blank associated with this SDG was evaluated for possible sources of contamination. The following table lists the highest concentration of contamination that was detected in the blank. The table lists the action levels/actions and the samples affected:

| Congener | Type of Blank | Blank Concentration ng/Kg | Action Level ng/Kg | Samples Affected |
|---|---|---|---|---|
| PCB-1 | Method Blank (9/28/01) | 6.6 | 33 | LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |
| PCB-3 | Method Blank (9/28/01) | 6.6 | 33 | LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |
| PCB-16/PCB-24/PCB-27 | Method Blank (9/28/01) | 6.7 | 33 | RWR-EW-5002-0000-01 |
| PCB-17 | Method Blank (9/28/01) | 7.1 | 34 | RWR-EW-5002-0000-01 |
| PCB-19 | Method Blank (9/28/01) | 2.3 | 12 | LPX-EW-4004-0000-01, RWR-EW-5002-0000-01 |

Blank actions are based on Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, December 1996 and EPA Region I's Environmental Services Assistance Team PCB Congener data Validation ESAT-01-0008 Draft (8/31/01) criteria. Blank action levels are calculated as five times the highest concentration of the contaminant determined in any blank. The positive sample results that are less than the blank action level are reported as non-detects (U) at the reported concentration on the Data Summary Table.

**Laboratory and Field Duplicates**

One laboratory duplicate pair was evaluated for this SDG (LPX-EW-4004-0000-01/LPX-EW-4004-0000-01Dup).

The table below summarizes the laboratory duplicate results which did not meet the duplicate criterion of Relative Percent Difference (RPD) < 30% as specified by Centredale Manor Tasks 19-22 QAPP (5/23/01).

| Congener | LPX-EW-4004-0000-01 | LPX-EW-4004-0000-01Dup | RPD | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | Sample Conc. (ng/Kg) | Duplicate Conc. (ng/Kg) | | Positive Detects | Non-Detects | |
| PCB-16/PCB-24/PCB-27 | 35.7 | 50.8 | 35 | J | UJ | All |
| PCB-17 | 44.3 | 61.7 | 33 | J | UJ | All |
| PCB-18/PCB-30 | 98.3 | 138 | 34 | J | UJ | All |
| PCB-20/PCB-21/PCB-28/PCB-33 | 439 | 614 | 33 | J | UJ | All |
| PCB-22 | 92.9 | 128 | 32 | J | UJ | All |
| PCB-25 | 20.7 | 30.0 | 37 | J | UJ | All |
| PCB-26/PCB-29 | 48.9 | 69.7 | 35 | J | UJ | All |
| PCB-31 | 303 | 413 | 31 | J | UJ | All |
| PCB-32 | 41.1 | 58.7 | 35 | J | UJ | All |
| PCB-40/PCB-41/PCB-71 | 286 | 410 | 35 | J | UJ | All |
| PCB-42 | 205 | 301 | 38 | J | UJ | All |
| PCB-43/PCB-52/PCB-73 | 2100 | 3040 | 37 | J | UJ | All |
| PCB-44/PCB-47/PCB-65 | 894 | 1270 | 35 | J | UJ | All |
| PCB-45/PCB-51 | 53.1 | 77.0 | 37 | J | UJ | All |
| PCB-46 | 13.0 | 18.3 | 34 | J | UJ | All |
| PCB-48 | 93.0 | 136 | 38 | J | UJ | All |

| Congener | LPX-EW-4004-0000-01 | LPX-EW-4004-0000-01Dup | RPD | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | Sample Conc. (ng/Kg) | Duplicate Conc. (ng/Kg) | | Positive Detects | Non-Detects | |
| PCB-49/PCB-69 | 811 | 1170 | 36 | J | UJ | All |
| PCB-50/PCB-53 | 55.5 | 75.6 | 31 | J | UJ | All |
| PCB-56 | 300 | 415 | 32 | J | UJ | All |
| PCB-59/PCB-62/PCB-75 | 60.9 | 95.4 | 44 | J | UJ | All |
| PCB-60 | 99.0 | 142 | 35 | J | UJ | All |
| PCB-63 | 36.3 | 51.6 | 35 | J | UJ | All |
| PCB-64 | 407 | 602 | 39 | J | UJ | All |
| PCB-66 | 1050 | 1510 | 36 | J | UJ | All |
| PCB-61/PCB-70/PCB-74/PCB-76 | 1930 | 2860 | 39 | J | UJ | All |
| PCB-77 | 78.4 | 109 | 33 | J | UJ | All |
| PCB-83/PCB-99 | 2730 | 3810 | 33 | J | UJ | All |
| PCB-84 | 903 | 1300 | 36 | J | UJ | All |
| PCB-85/PCB-116/PCB-117 | 734 | 1060 | 36 | J | UJ | All |
| PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 | 3160 | 4330 | 31 | J | UJ | All |
| PCB-89 | 15.0 | 21.1 | 34 | J | UJ | All |
| PCB-90/PCB-101/PCB-113 | 6270 | 8910 | 35 | J | UJ | All |
| PCB-88/PCB-91 | 583 | 855 | 38 | J | UJ | All |
| PCB-92 | 1270 | 1870 | 38 | J | UJ | All |
| PCB-93/PCB-98/PCB-100/PCB-102 | 104 | 151 | 37 | J | UJ | All |

| Congener | LPX-EW-4004-0000-01 | LPX-EW-4004-0000-01Dup | RPD | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | Sample Conc. (ng/Kg) | Duplicate Conc. (ng/Kg) | | Positive Detects | Non-Detects | |
| PCB-95 | 4580 | 5680 | 39 | J | UJ | All |
| PCB-105 | 1130 | 1560 | 32 | J | UJ | All |
| PCB-108/PCB-124 | 214 | 317 | 39 | J | UJ | All |
| PCB-118 | 3690 | 5170 | 33 | J | UJ | All |
| PCB-106/PCB-107/PCB-123 | 398 | 575 | 36 | J | UJ | All |
| PCB-128/PCB-166 | 1090 | 1600 | 38 | J | UJ | All |
| PCB-129/PCB-138/PCB-160/PCB-163 | 7340 | 11200 | 41 | J | UJ | All |
| PCB-130 | 438 | 637 | 37 | J | UJ | All |
| PCB-132 | 1790 | 2730 | 42 | J | UJ | All |
| PCB-134/PCB-143 | 232 | 361 | 43 | J | UJ | All |
| PCB-135/PCB-151/PCB-154 | 2050 | 2910 | 35 | J | UJ | All |
| PCB-136 | 667 | 1010 | 41 | J | UJ | All |
| PCB-137/PCB-164 | 983 | 1450 | 39 | J | UJ | All |
| PCB-141 | 844 | 1220 | 36 | J | UJ | All |
| PCB-144 | 170 | 255 | 40 | J | UJ | All |
| PCB-146/PCB-161 | 1544 | 2350 | 41 | J | UJ | All |
| PCB-147/PCB-149 | 9490 | 15400 | 48 | J | UJ | All |
| PCB-153/PCB-168 | 4690 | 7010 | 40 | J | UJ | All |
| PCB-156/PCB-157 | 587 | 814 | 32 | J | UJ | All |
| PCB-158 | 477 | 719 | 40 | J | UJ | All |
| PCB-167 | 240 | 349 | 37 | J | UJ | All |

| Congener | LPX-EW-4004-0000-01 | LPX-EW-4004-0000-01Dup | RPD | Action | | Affected Samples |
|---|---|---|---|---|---|---|
| | Sample Conc. (ng/Kg) | Duplicate Conc. (ng/Kg) | | Positive Detects | Non-Detects | |
| PCB-169 | 43 | 67 | 44 | J | UJ | All |
| PCB-171/PCB-173 | 198 | 291 | 38 | J | UJ | All |
| PCB-172 | 163 | 228 | 33 | J | UJ | All |
| PCB-174/PCB-183/PCB-185 | 1140 | 1670 | 38 | J | UJ | All |
| PCB-175 | 27.6 | 40 | 37 | J | UJ | All |
| PCB-176 | 66.5 | 102 | 42 | J | UJ | All |
| PCB-177 | 437 | 647 | 39 | J | UJ | All |
| PCB-178 | 215 | 320 | 39 | J | UJ | All |
| PCB-180/PCB-193 | 1310 | 1960 | 40 | J | UJ | All |
| PCB-182 | 6.41 | 12.9 | 67 | J | UJ | All |
| PCB-187 | 4800 | 7100 | 39 | J | UJ | All |
| PCB-189 | 28.0 | 40.2 | 36 | J | UJ | All |
| PCB-190 | 71.6 | 104 | 37 | J | UJ | All |
| PCB-196 | 129 | 178 | 32 | J | UJ | All |
| PCB-197/PCB-200 | 52.4 | 77.3 | 38 | J | UJ | All |
| PCB-198/PCB-199 | 1480 | 2120 | 35 | J | UJ | All |
| PCB-201 | 87.2 | 121 | 32 | J | UJ | All |
| PCB-203 | 429 | 588 | 31 | J | UJ | All |
| PCB-209 | 1760 | 2460 | 33 | J | UJ | All |

Professional judgment was used to estimate (J, UJ) results for all PCB congeners in all samples since greater than 50% of all PCB congeners had laboratory duplicate precision outside criterion.

**Internal/Clean-up Standards**

- Internal Standards

The following table summarizes the internal standard recoveries that did not meet Centredale Manor Tasks 19-22 QAPP (5/23/01) acceptance criterion of 25-150%:

| Standard | % Recovery | Action | | Affected Sample |
|---|---|---|---|---|
| | | Positive Detects | NDs | |
| $^{13}C_{12}$-PCB-188 | 153 | J | UJ | RWR-EW-5002-0000-01 |

The corresponding non-labeled congener results are estimated as shown in the table due to internal standard percent recoveries outside method acceptance criterion.

**Sample Quantitation**

Concentrations quantitated below the lowest calibration standard are flagged (J) on the Data Summary Tables. Quantitation is not accurate when the reported results are below the lowest calibration standard.

**2378-TCDD Toxicity Equivalents (TE) and Isomer Specificity**

TE values were not calculated by the laboratory. All TE values reported on the Data Summary Tables have been calculated by the ESAT data validator using the validated data discussed above in this report. The validated data accounts for blank contamination. The TE calculations include the reported EMPC values. The fish TEF values for the PCBs are published in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number 12, December 1998, Table 2, page 780.

**System Performance**

No trends noted.

June 25, 2002
B-02-06-Y-2
Revised: July 3, 2002

Very truly yours,

LOCKHEED ENVIRONMENTAL

Janine Bartels
Principal Scientist

FOR

Louis Macri
ESAT Program Manager

cc: Cornell Rosiu, EPA RPM (DV Memorandum, Data Summary Table)

Attachments: Table I: Recommendation Summary Table
Table II: Overall Evaluation of Data
Data Summary Tables
Data Validation Worksheets
Analytical Method
PE Scores
Communication/Phone Logs
Field Sampling Notes

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| PCB-1 | J[1,2,4] | J[1,2,3,4] | J[1,2,3,4] |
| PCB-3 | J[1,2,4] | J[1,2,3,4] | J[1,2,3,4] |
| PCB-4 | J[1,2] | J[1,2] | J[1,2] |
| PCB-5 | J[1,2] | J[1,2] | J[1,2] |
| PCB-6 | J[1,2] | J[1,2] | J[1,2] |
| PCB-7 | J[1,2] | J[1,2] | J[1,2] |
| PCB-8 | J[1,2] | J[1,2] | J[1,2] |
| PCB-9 | J[1,2] | J[1,2] | J[1,2] |
| PCB-10 | J[1,2] | J[1,2] | J[1,2] |
| PCB-12/PCB-13 | J[1,2] | J[1,2] | J[1,2] |
| PCB-16/PCB-24/PCB-27 | J[1,2,4] | J[1,2,4] | J[1,2,3,4] |
| PCB-17 | J[1,2,4] | J[1,2,4] | J[1,2,3,4] |
| PCB-18/PCB-30 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-19 | J[1,2,4] | J[1,2,3,4] | J[1,2,3,4] |
| PCB-20/PCB-21/PCB-28/PCB-33 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-22 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-25 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-26/PCB-29 | J[1,2,4] | J[1,2,4] | J[1,2,4] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| PCB-31 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-32 | J[1,2,4] | J[1,2,4] | J[1,2,4] |
| PCB-40/PCB-41/PCB-71 | J[1,2] | J[1,2] | J[1,2] |
| PCB-42 | J[1,2] | J[1,2] | J[1,2] |
| PCB-43/PCB-52/PCB-73 | J[1,2] | J[1,2] | J[1,2] |
| PCB-44/PCB-47/PCB-65 | J[1,2] | J[1,2] | J[1,2] |
| PCB-45/PCB-51 | J[1,2] | J[1,2] | J[1,2] |
| PCB-46 | J[1,2] | J[1,2] | J[1,2] |
| PCB-48 | J[1,2] | J[1,2] | J[1,2] |
| PCB-49/PCB-69 | J[1,2] | J[1,2] | J[1,2] |
| PCB-50/PCB-53 | J[1,2] | J[1,2] | J[1,2] |
| PCB-56 | J[1,2] | J[1,2] | J[1,2] |
| PCB-59/PCB-62/PCB-75 | J[1,2] | J[1,2] | J[1,2] |
| PCB-60 | J[1,2] | J[1,2] | J[1,2] |
| PCB-63 | J[1,2] | J[1,2] | J[1,2] |
| PCB-64 | J[1,2] | J[1,2] | J[1,2] |
| PCB-66 | J[1,2] | J[1,2] | J[1,2] |
| PCB-61/PCB-70/PCB-74/PCB-76 | J[1,2] | J[1,2] | J[1,2] |
| 33'44'-TetraCB (#77) | J[1,2] | J[1,2] | J[1,2] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| 344'5-TetraCB (#81) | J[1,2] | J[1,2] | J[1,2] |
| PCB-82 | J[1,2] | J[1,2] | J[1,2] |
| PCB-83/PCB-99/PCB-112 | J[1,2] | J[1,2] | J[1,2] |
| PCB-84 | J[1,2] | J[1,2] | J[1,2] |
| PCB-85/PCB-116/PCB-117 | J[1,2] | J[1,2] | J[1,2] |
| PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 | J[1,2] | J[1,2] | J[1,2] |
| PCB-89 | J[1,2] | J[1,2] | J[1,2] |
| PCB-90/PCB-101/PCB-113 | J[1,2] | J[1,2] | J[1,2] |
| PCB-88/PCB-91 | J[1,2] | J[1,2] | J[1,2] |
| PCB-92 | J[1,2] | J[1,2] | J[1,2] |
| PCB-93/PCB-98/PCB-100/PCB-102 | J[1,2] | J[1,2] | J[1,2] |
| PCB-95 | J[1,2] | J[1,2] | J[1,2] |
| 233'44'-PentaCB (#105) | J[1,2] | J[1,2] | J[1,2] |
| PCB-108/PCB-124 | J[1,2] | J[1,2] | J[1,2] |
| PCB-110/PCB-115 | J[1,2] | J[1,2] | J[1,2] |
| 2344'5-PentaCB (#114) | J[1,2] | J[1,2] | J[1,2] |
| 23'44'5-PentaCB (#118) | J[1,2] | J[1,2] | J[1,2] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| PCB-106/PCB-107/2'344'5-PentaCB (#123) | J[1,2] | J[1,2] | J[1,2] |
| 33'44'5-PentaCB (#126) | J[1,2] | J[1,2] | J[1,2] |
| PCB-128/PCB-166 | J[1,2] | J[1,2] | J[1,2] |
| PCB-129/PCB-138/PCB-160/PCB-163 | J[1,2] | J[1,2] | J[1,2] |
| PCB-130 | J[1,2] | J[1,2] | J[1,2] |
| PCB-131 | J[1,2] | J[1,2] | J[1,2] |
| PCB-132 | J[1,2] | J[1,2] | J[1,2] |
| PCB-134/PCB-143 | J[1,2] | J[1,2] | J[1,2] |
| PCB-135/PCB-151/PCB-154 | J[1,2] | J[1,2] | J[1,2] |
| PCB-136 | J[1,2] | J[1,2] | J[1,2] |
| PCB-137/PCB-164 | J[1,2] | J[1,2] | J[1,2] |
| PCB-141 | J[1,2] | J[1,2] | J[1,2] |
| PCB-144 | J[1,2] | J[1,2] | J[1,2] |
| PCB-146/PCB-161 | J[1,2] | J[1,2] | J[1,2] |
| PCB-147/PCB-149 | J[1,2] | J[1,2] | J[1,2] |
| PCB-153/PCB-168 | J[1,2] | J[1,2] | J[1,2] |
| 233'44'5-HexaCB (#156)/233'44'5'-HexaCB (#157) | J[1,2] | J[1,2] | J[1,2] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| PCB-158 | J[1,2] | J[1,2] | J[1,2] |
| 23'44'55'-HexaCB (#167) | J[1,2] | J[1,2] | J[1,2] |
| 33'44'55'-HexaCB (#169) | J[1,2] | J[1,2] | J[1,2] |
| PCB-170 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-171/PCB-173 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-172 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-174/PCB-183/PCB-185 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-175 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-176 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-177 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-178 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-180/PCB-193 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-182 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-184 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-187 | J[1,2] | J[1,2] | J[1,2,5] |
| 233'44'55'-HeptaCB (#189) | J[1,2] | J[1,2] | J[1,2] |
| PCB-190 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-191 | J[1,2] | J[1,2] | J[1,2,5] |
| PCB-194 | J[1,2] | J[1,2] | J[1,2] |

Table I
Recommendation Summary Table for 209 PCB Congeners
Centredale Manor Site
Case No.: Diet Tissue B2OF2/SDG No. 49038-30 PCB

| Sample Nos. | CMS-DU-072001-01 | LPX-EW-4004-0000-01 | RWR-EW-5002-0000-01 |
|---|---|---|---|
| Compound | | | |
| PCB-195 | J[1,2] | J[1,2] | J[1,2] |
| PCB-196 | J[1,2] | J[1,2] | J[1,2] |
| PCB-197/PCB-200 | J[1,2] | J[1,2] | J[1,2] |
| PCB-198/PCB-199 | J[1,2] | J[1,2] | J[1,2] |
| PCB-201 | J[1,2] | J[1,2] | J[1,2] |
| PCB-203 | J[1,2] | J[1,2] | J[1,2] |
| PCB-205 | J[1,2] | J[1,2] | J[1,2] |
| PCB-206 | J[1,2] | J[1,2] | J[1,2] |
| PCB-207 | J[1,2] | J[1,2] | J[1,2] |
| PCB-209 | J[1,2] | J[1,2] | J[1,2] |

Table I
Recommendation Summary Table for PCB Congeners

| | | |
|---|---|---|
| A | - | Accept all results. |
| $J^1$ | - | PE %D outside criterion; J detects, UJ non-detects. |
| $J^2$ | - | Laboratory duplicate precision outside criterion; J detects, UJ non-detects. |
| $J^3$ | - | Method blank contamination; positive sample results less than the blank action level are reported as non-detects (U) at the concentration reported. |
| $J^4$ | - | VER recoveries outside criterion; J detects, UJ non-detects. |
| $J^5$ | - | Internal standard recoveries outside criterion; J detects, UJ non-detects. |

EPA-NE - Data Validation Worksheet

**Overall Evaluation of Data - Data Validation Memorandum - Table II**

| PCB ANALYSIS | | | | | |
|---|---|---|---|---|---|
| DQO (list all DQOs) | Sampling and/or Analytical Method Appropriate Yes or No | Measurement Error | | Sampling Variability | Potential Usability Issues |
| | | Analytical Error | Sampling Error* | | |
| The following is a summary of the site investigation/assessment objectives as found in Centredale Manor Tasks 19-22 QAPP (5/23/01):<br><br>To generate data of quality sufficient to be used for human health (HHRA) and ecological risk assessments (ERA) at the site. | Yes,<br>Sampling Method appropriate for all samples<br><br>Yes,<br>Analytical Method appropriate for all samples. | Refer to qualification in R/S Key on Table I:<br><br>J/UJ/R | Refer to qualification in R/S Key on Table I:<br><br>NA | ** | One Cambridge Isotope Laboratories (CIL) Standard Reference Material (SRM) sample was evaluated for this SDG (CIL EDF 2526 for PCB congeners in fish tissue). Four out of five congeners were outside the Centredale Manor Tasks 19-22 QAPP (5/23/01) specified criterion of 30 %D from the consensus value. Since all of the congeners except for one had low recoveries, the results for all congeners in all samples were estimated (J, UJ) due to the possibility of biased low results.<br><br>The method blank had low level contamination. However, the concentration in the method blanks was insignificant when compared to the concentration found in the field samples. Therefore, the method blank contamination does not impact data usability. When the analyte concentrations in the field samples were less than the corresponding blank action level, the field sample results reported by the laboratory are qualified as non-detected (U) on the Data Summary Table. See Table I for a summary of the qualifiers applied due to blank contamination.<br><br>Data validation indicated minor data quality problems which do not significantly impact the usability of the data. See the data validation memorandum for details. The reported results are usable for the site objectives. |

* The evaluation of "sampling error" cannot be completely assessed in the data validation.

** Sampling variability is not assessed in data validation.

Validator: [signature]

Date: 7/3/02

Data Summary Table
Polychlorinated Biphenyls Analysis - Tissue Samples (Wet Weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B2OF2 SDG No. 49038-30 PCB
LABORATORY: BATTELLE

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | CMS-DU-072001-A | | LPX-EW-4004-0000-01 | | RWR-EW-5002-0000-01 | |
|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | CENTREDALE MANOR SITE | | LYMANSVILLE POND | | WOONASQUATUCKET RIVER UPSTREAM REACH | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | |
| | | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* |
| PCB-1 | | 86.78 J | | UJ | 10.73 | UJ | 8.81 |
| PCB-3 | | 109.80 J | | UJ | 13.60 | UJ | 7.60 |
| PCB-4 | | 234.48 J | | 23.46 J | | UJ | 99.26 |
| PCB-5 | | 22.89 J | | UJ | 9.96 | UJ | 9.93 |
| PCB-6 | | 131.38 J | | UJ | 9.96 | UJ | 9.93 |
| PCB-7 | | 51.26 J | | UJ | 9.96 | UJ | 9.93 |
| PCB-8 | | 799.93 J | | 73.36 J | | 29.37 J | |
| PCB-9 | | 52.81 J | | UJ | 9.96 | UJ | 9.93 |
| PCB-10 | | 12.42 J | | UJ | 9.96 | UJ | 9.93 |
| PCB-12/PCB-13 | | 108.98 J | | UJ | 19.92 | UJ | 19.85 |
| PCB-16/PCB-24/PCB-27 | | 186.33 J | | 35.70 J | | UJ | 26.97 |
| PCB-17 | | 784.80 J | | 44.26 J | | UJ | 32.19 |
| PCB-18/PCB-30 | | 1275.68 J | | 98.32 J | | 64.30 J | |
| PCB-19 | | 136.73 J | | UJ | 6.74 | UJ | 5.89 |
| PCB-20/PCB-21/PCB-28/PCB-33 | | 4755.64 J | | 438.88 J | | 389.96 J | |
| PCB-22 | | 939.01 J | | 92.87 J | | 99.91 J | |
| PCB-25 | | 232.83 J | | 20.71 J | | 18.83 J | |
| PCB-26/PCB-29 | | 620.90 J | | 48.90 J | | 39.74 J | |
| PCB-31 | | 3121.40 J | | 302.85 J | | 210.75 J | |
| PCB-32 | | 885.73 J | | 41.11 J | | 37.28 J | |
| PCB-40/PCB-41/PCB-71 | | 4629.87 J | | 286.53 J | | 348.33 J | |
| PCB-42 | | 3079.44 J | | 204.85 J | | 207.09 J | |
| PCB-43/PCB-52/PCB-73 | | 23969.76 J | | 2098.71 J | | 1648.86 J | |
| PCB-44/PCB-47/PCB-65 | | 12430.95 J | | 893.97 J | | 746.19 J | |
| PCB-45/PCB-51 | | 883.28 J | | 53.10 J | | 57.88 J | |
| PCB-46 | | UJ | 39.81 | 12.98 J | | 18.42 J | |
| PCB-48 | | 1252.76 J | | 92.98 J | | 88.92 J | |
| PCB-49/PCB-69 | | 7005.72 J | | 811.02 J | | 513.36 J | |
| PCB-50/PCB-53 | | 868.74 J | | 55.48 J | | 66.48 J | |
| PCB-56 | | 2960.31 J | | 299.53 J | | 167.89 J | |
| PCB-59/PCB-62/PCB-75 | | 728.73 J | | 60.93 J | | 48.93 J | |
| PCB-60 | | 939.47 J | | 99.02 J | | 56.99 J | |
| PCB-63 | | 326.16 J | | 36.27 J | | 18.52 J | |
| PCB-64 | | 4386.45 J | | 407.30 J | | 277.86 J | |
| PCB-66 | | 8521.39 J | | 1046.81 J | | 644.26 J | |
| PCB-61/PCB-70/PCB-74/PCB-76 | | 16876.80 J | | 1926.68 J | | 1134.00 J | |
| 3,3',4,4'-TetraCB (#77) | 0.0001 | 421.57 J | | 78.39 J | | 39.19 J | |
| 3,4,4',5-TetraCB (#81) | 0.0005 | UJ | 99.54 | UJ | 99.61 | UJ | 99.26 |

Data Summary Table
Polychlorinated Biphenyls Analysis - Tissue Samples (Wet Weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B2OF2 SDG No. 49038-30 PCB
LABORATORY: BATTELLE

| SAMPLE NUMBER: | Toxicity Equivalency Factors (1) | CMS-DU-072001-A | | LPX-EW-4004-0000-01 | | RWR-EW-5002-0000-01 | |
|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | CENTREDALE MANOR SITE | | LYMANSVILLE POND | | WOONASQUATUCKET RIVER UPSTREAM REACH | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | |
| | | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* |
| PCB-82 | | 2924.18 J | | 397.16 J | | 299.09 J | |
| PCB-83/PCB-99/PCB-112 | | 12861.75 J | | 2733.90 J | | 1529.94 J | |
| PCB-84 | | 9630.81 J | | 903.45 J | | 682.13 J | |
| PCB-85/PCB-116/PCB-117 | | 3493.53 J | | 734.25 J | | 405.06 J | |
| PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125 | | 19459.60 J | | 3155.88 J | | 2088.84 J | |
| PCB-89 | | 126.31 J | | 14.95 J | | 17.24 J | |
| PCB-90/PCB-101/PCB-113 | | 32516.91 J | | 6266.94 J | | 3843.33 J | |
| PCB-88/PCB-91 | | 3826.78 J | | 583.36 J | | 458.38 J | |
| PCB-92 | | 6574.15 J | | 1272.40 J | | 879.38 J | |
| PCB-93/PCB-98/PCB-100/PCB-102 | | 603.16 J | | 104.52 J | | 126.40 J | |
| PCB-95 | | 32575.02 J | | 4582.02 J | | 3392.97 J | |
| 2,3,3',4,4'-PentaCB (#105) | < 0.000005 | 5508.44 J | | 1131.70 J | | 756.66 J | |
| PCB-106/PCB-124 | | 987.74 J | | 214.48 J | | 162.16 J | |
| PCB-110/PCB-115 | | 37252.88 J | | 6541.74 J | | 4485.14 J | |
| 2,3,4,4',5-PentaCB (#114) | < 0.000005 | 265.27 J | | 50.87 J | | 17.61 J | |
| 2,3',4,4',5-PentaCB (#118) | < 0.000005 | 16933.55 J | | 3692.07 J | | 2275.88 J | |
| PCB-106/PCB-107/2',3,4,4',5-PentaCB (#123) | < 0.000005 | 2081.32 J | | 398.21 J | | 286.22 J | |
| 3,3',4,4',5-PentaCB (#126) | 0.005 | UJ | 199.07 | 12.11 J | | UJ | 198.52 |
| PCB-128/PCB-166 | | 5300.12 J | | 1092.34 J | | 758.76 J | |
| PCB-129/PCB-138/PCB-160/PCB-163 | | 38524.96 J | | 7345.84 J | | 4832.32 J | |
| PCB-130 | | 2476.99 J | | 437.63 J | | 298.16 J | |
| PCB-131 | | 593.36 J | | 72.11 J | | 51.87 J | |
| PCB-132 | | 12250.16 J | | 1792.60 J | | 1281.40 J | |
| PCB-134/PCB-143 | | 1239.04 J | | 232.08 J | | 139.10 J | |
| PCB-135/PCB-151/PCB-154 | | 9624.95 J | | 2046.96 J | | 1219.20 J | |
| PCB-136 | | 5772.14 J | | 666.64 J | | 449.80 J | |
| PCB-137/PCB-164 | | 5118.28 J | | 982.72 J | | 662.92 J | |
| PCB-141 | | 4278.51 J | | 844.06 J | | 527.17 J | |
| PCB-144 | | 1003.88 J | | 170.56 J | | 80.80 J | |
| PCB-146/PCB-161 | | 6465.10 J | | 1544.02 J | | 1036.36 J | |
| PCB-147/PCB-149 | | 47567.50 J | | 9492.06 J | | 5640.90 J | |
| PCB-153/PCB-168 | | 17636.54 J | | 4890.94 J | | 2535.12 J | |
| 2,3,3',4,4',5- HexaCB (#156)/2,3,3',4,4',5'-HexaCB (#157) | < 0.000005 | 2347.68 J | | 586.64 J | | 369.00 J | |
| PCB-158 | | 2628.43 J | | 476.55 J | | 284.23 J | |
| 2,3',4,4',5,5'-HexaCB (#167) | < 0.000005 | 865.98 J | | 239.64 J | | 165.69 J | |
| 3,3',4,4',5,5'-HexaCB (#169) | 0.05005 | 44.22 J | | 42.88 J | | 53.10 J | |
| PCB-170 | | 2281.05 J | | 594.42 J | | 404.49 J | |
| PCB-171/PCB-173 | | 805.20 J | | 197.82 J | | 121.76 J | |
| PCB-172 | | 430.98 J | | 163.30 J | | 131.93 J | |
| PCB-174/PCB-183/PCB-185 | | 3249.39 J | | 1138.53 J | | 760.80 J | |
| PCB-175 | | 71.07 J | | 27.60 J | | 17.62 J | |
| PCB-176 | | 271.50 J | | 66.48 J | | 43.66 J | |
| PCB-177 | | 1472.44 J | | 437.37 J | | 291.01 J | |
| PCB-178 | | 529.30 J | | 214.65 J | | 229.52 J | |
| PCB-180/PCB-193 | | 3452.34 J | | 1313.42 J | | 928.28 J | |
| PCB-182 | | 20.24 J | | 6.41 J | | UJ | 198.52 |
| PCB-184 | | 3.26 J | | 2.12 J | | 2.85 J | |
| PCB-187 | | 8953.70 J | | 4801.96 J | | 3356.27 J | |
| 2,3,3',4,4',5,5'-HeptaCB (#189) | < 0.000005 | 92.60 J | | 27.95 J | | 23.68 J | |

Data Summary Table
Polychlorinated Biphenyls Analysis - Tissue Samples (Wet Weight)

SITE: Centredale Manor - N. Providence, RI
CASE NO. Dist Tissue B2OF2 SDG No. 49038-30 PCB
LABORATORY: BATTELLE

| SAMPLE NUMBER | Toxicity Equivalency Factors (1) | CMS-DU-072001-A | | LPX-EW-4004-0000-01 | | RWR-EW-6002-0000-01 | | | |
|---|---|---|---|---|---|---|---|---|---|
| STATION LOCATION: | | CENTREDALE MANOR SITE | | LYMANSVILLE POND | | WOONASQUATUCKET RIVER UPSTREAM BEAD | | | |
| MATRIX: | | TISSUE | | TISSUE | | TISSUE | | | |
| | | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | ng/kg | DL/EMPC* | | |
| PCB-190 | | 316.10 J | | 71.68 J | | 41.12 J | | | |
| PCB-191 | | 80.94 J | | 22.01 J | | 12.79 J | | | |
| PCB-194 | | 383.89 J | | 181.80 J | | 203.71 J | | | |
| PCB-195 | | 170.40 J | | 60.69 J | | 50.49 J | | | |
| PCB-196 | | 266.48 J | | 129.28 J | | 156.24 J | | | |
| PCB-197/PCB-203 | | 101.16 J | | 52.42 J | | 62.12 J | | | |
| PCB-198/PCB-199/PCB-200 | | 2099.46 J | | 1483.10 J | | 2285.14 J | | | |
| PCB-201 | | 119.51 J | | 87.23 J | | 111.53 J | | | |
| PCB-203 | | 591.25 J | | 428.58 J | | 546.71 J | | | |
| PCB-205 | | 28.22 J | | UJ | 199.23 | 19.90 J | | | |
| PCB-206 | | 1944.54 J | | 1739.50 J | | 2331.07 J | | | |
| PCB-207 | | 139.55 J | | 118.55 J | | 180.94 J | | | |
| PCB-209 | | 1713.20 J | | 1764.16 J | | 2561.06 J | | | |
| TOTAL PCB | | 484767.10 J | | 90061.76 J | | 84132.32 J | | | |
| TOXIC EQUIVALENCY(1): | | | 0.18 J | | 0.10 J | | 0.025 J | | |
| PERCENT SOLIDS: | | | 23.0 | | 24.6 | | 24.9 | | |
| PERCENT LIPIDS: | | | 2.36 | | 2.29 | | 3.04 | | |
| DILUTION FACTOR: | | | 1 | | 1 | | 1 | | |
| DATE SAMPLED: | | | 09/06/01 | | 09/06/01 | | 09/06/01 | | |
| DATE OF RECEIPT: | | | 09/07/01 | | 09/07/01 | | 09/07/01 | | |
| SAMPLE EXTRACTION DATE: | | | 09/28/01 | | 09/28/01 | | 09/28/01 | | |
| ANALYSIS DATE: | | | 12/10/01 | | 12/09/01 | | 12/09/01 | | |
| LABORATORY SAMPLE I.D.: | | | 49038-30-16 | | 49038-30-11 | | 49038-30-13 | | |

* = The values in this column are either the Detection Limits (DL) or the Estimated Maximum Possible Concentration (EMPC). The EMPC results are marked with a "*". The DL values are unmarked.
The EMPC values are not qualified with a "J", since they are already estimated.
(1) The Toxic Equivalent concentration is calculated with the Toxicity Equivalency Factors (TEFs) found in "Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and Wildlife", Environmental Health Perspectives, Volume 106, Number (12), December 1998, Table 2, page 780.
< = The expected upper limit of the TEF values for the congener in fish.

Sample dates do not appear correct.
Nor do they agree with sample dates presented in the corresponding DV report for D/F. DTD 9/13/02

## Section 1 Quality Assurance Review

### A. Organic Data

The organic analyses of 61 tissue samples (including QC samples) were performed by Battelle Laboratories of Duxbury, Massachusetts. The samples were analyzed for pesticide/PCB compounds by Battelle Method SOP 5-128-05. These analyses are specified on Table 1. The laboratory organized the samples into four sample delivery groups (SDGs 01-380, 01-568, 01-571, and 01-587). → these 2 SDGs correspond to Diet samples. DTD 8/6/02

The findings in this report are based upon a US EPA Region I Tier II (Tier II) review of holding times, condition of samples upon laboratory receipt, blank analysis results, laboratory control sample (LCS) recoveries, matrix spike (MS)/matrix spike duplicate (MSD) recoveries and precision, surrogate recoveries, laboratory and field duplicate/split sample precision, instrument sensitivity, analytical sequence, calibrations, overall system performance, and quantitation of positive results.

Overall, the organic data quality is satisfactory. The data reviewer has edited the laboratory-reported data and QC forms based on the deficiencies and comments listed in this QA review. Analytical and reporting requirements defined in the QAPP were met for this data set, with the exception of the items identified in the following sections of this QA review; it should be emphasized that these items do not necessarily impact data usability. Based upon a Tier II review of the data provided, the organic data qualifiers associated with the samples that underwent limited data validation are presented in the subsequent Organic Data Qualifiers section. These qualifiers should not be applied to any organic results that did not undergo data validation. Data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the validation guidelines specify areas of the data that require qualification, yet the methods used for analysis do not require any corrective action by the laboratory. Accordingly, the data usability issues that follow should not necessarily be construed as an indication of laboratory performance.

#### Noncorrectable Deficiencies

1. For the pesticide/PCB fractions of all SDGs, the laboratory quantitated several samples for pesticides using response factors generated from an initial calibration that was analyzed after the samples had been analyzed. According to Battelle Duxbury Method 5-128-05 (Section 3.1), a valid multi-point initial calibration should be analyzed at the beginning of each set of continuous sample analyses. The laboratory did analyze an initial calibration at the beginning of the analytical sequence. The laboratory, however, indicated that due to the nature of the sample matrix, a loss of instrument sensitivity was observed in the associated pesticide CCV standards (see Non-Correctable Deficiency #4). The laboratory recalibrated the instrument (as required, due to the non-compliant CCV standards) but did not reanalyze the samples analyzed prior to the recalibration because the laboratory concluded that the sample matrix negatively impacted the instrument's column condition (as evidenced by the non-compliant pesticide CCV standards that followed the second initial calibration in the sequence). Battelle laboratory personnel indicated to the data reviewer that these sample analyses already represented reextractions and that the initial extractions and analyses exhibited similar matrix problems that impacted calibration stability. Reanalysis of project samples, therefore, was not warranted because similar

conditions would likely be encountered. Based on an evaluation of both initial calibrations and all CCV standards in the analytical sequence, the laboratory determined that the second initial calibration was the "better" of the two calibrations. The results for all samples and standards in the analytical sequence were processed against the response factors generated from this calibration. Qualification of data due to loss of instrument sensitivity is addressed in the subsequent Organic Data Qualifiers section.

2. For SDG 01-568, the laboratory did not reextract and reanalyze all samples associated with a preparation blank that exhibited zero percent surrogate recoveries. According to the QAPP (Worksheet #24a), the corrective action for surrogate recoveries outside of performance criteria is to reextract and/or reanalyze associated samples. The laboratory stated in the Case Narrative that it appeared that the aforementioned preparation blank had not been fortified with surrogate compounds and that target pesticide/PCB compound contamination is rare in preparation blanks; thus, no further corrective action was taken. Acceptable surrogate recoveries were observed in all investigative sample analyses in SDG 01-568. Qualification of data was not warranted due to this issue. (1)

3. For SDG 01-380, the laboratory did not reanalyze the independent check standard (ICS) in which the majority of target analytes did not meet QC acceptance criteria (percent difference [%D] <15%). Although stipulated in the QAPP (Worksheet #24a) that the ICS is an internal QC check, the failure of the majority of target analytes to meet QC acceptance criteria demonstrates that the instrument conditions were not optimized prior to sample analyses. The laboratory performed a second initial calibration (see Noncorrectable Deficiency #1); consequently, only those samples analyzed after the aforementioned ICS and prior to the second initial calibration (specifically, samples A-TS-35-N and A-TS-46-N) were impacted. Qualification of data due to high %Ds in the ICS is addressed in the Organic Data Qualifiers section.

4. For SDG 01-380, the laboratory did not reanalyze samples A-TS-35-N and A-TS-46-N, which were bracketed by a non-compliant (*i.e.*, %Ds>25%) continuing calibration check standard. According to Battelle SOP 5-128-05 (Section 3.4), if the check standard fails to meet calibration check criteria, the check standard and associated samples must be reanalyzed. Qualification of data due to high percent differences in the aforementioned check standard is addressed in the Organic Data Qualifiers section.

5. For ~~SDGs 01-380~~ (1) and 01-587, the temperature of the samples upon laboratory receipt was 19.7°C. According to the QAPP (Worksheet #22a), samples must be frozen when shipped. Due to the stability of the target compounds at temperatures less than 20°C, qualification of data was not warranted due to the elevated sample temperature.

Comments

1. For SDG 01-587, the Case Narrative states that the tissue samples were not immediately logged in upon receipt at Battelle Duxbury laboratory and were allowed to warm to room temperature. Due to the stability of the target analytes, the data reviewer did not qualify data due to this issue.



(1) Not relavent to diet samples data packages. BL 5-29-02

2. For SDGs 01-571 and 01-587, the sample collection dates were not recorded on the associated Chain-of-Custody forms. The data reviewer was able to obtain the sample collection dates from the electronic disk deliverables provided.

3. For SDG 01-587, the laboratory received split samples for samples LPX-CF-4001-0000-01 (W6480 and W6835), LPX-CF-4004-0000-01 (W6484 and W6836), and WRL-CF-4005-000-01 (W6485 and W6834) from the Battelle Columbus laboratory (see Project Correspondence). The Environmental Standards data reviewer considered the sample splits as field duplicates for data evaluation purposes. The Environmental Standards data reviewer has referred to the split samples by using the client sample identifier followed by the laboratory sample identifier in parentheses in this report.

With respect to data usability, the principal areas of concern include high check standard percent differences (%Ds), low LCS recoveries, high continuing calibration %Ds, low surrogate standard recoveries, high and low MS/MSD recoveries, high MS/MSD relative percent differences (RPDs), laboratory duplicate and field imprecision, and quantitation of results below the project-required quantitation limits. Based on the Tier II review of the data provided, the following organic data qualifiers are offered. The following data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the data validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis may not require corrective action by the laboratory. Accordingly, the following data usability issues should <u>not</u> be construed as an indication of laboratory performance.

<u>Organic Data Qualifiers</u>

- The analysis for endosulfan I in SDG 01-380 sample L-TS-70-N should be considered unusable, and the "not-detected" result has been flagged "R" on the data tables. Very low recoveries (<10%) were observed for endosulfan I in the associated MS/MSD analyses. ①

- The quantitation limits for the following compounds in the samples listed on the table below may be biased low, and the "not-detected" results have been flagged "UJ" (unless previously flagged "R") on the data tables. In addition, any reported positive results for these compounds should be considered estimated and have been flagged "J" on the data tables. High %Ds (>25%) were observed for these compounds in the associated independent check standard.

| Compound(s) | SDG | Samples With Qualified Quantitation Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|---|
| All single-component pesticides except 4,4'-DDE | 01-380 | A-TS-35-N and A-TS-46-N |
| heptachlor epoxide | 01-568 | All samples |

w:\battelle\duxbury r1 dv\y1031544\final\report9.doc

① Not relevant to diet data packages. BL 5-29-02

- The quantitation limits for the following compounds in the samples listed below may be biased low, and the "not-detected" results have been flagged "UJ" (unless previously flagged "R") on the data tables. In addition, any reported positive results for these compounds should be considered estimated and have been flagged "J" on the data tables. High %Ds (>25%) were observed for these compounds in the associated continuing calibration verification standards. ①

| Compounds | SDG | Samples With Qualified Quantitation Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|---|
| All single-component pesticides except 4,4'-DDE | ~~01-380~~ | A-TS-35-N and A-TS-46-N |
| endrin | 01-380 | L-TS-62-N, L-TS-63-N, L-TS-70-N, L-TS-84-N, and L-TS-89-N |

- The quantitation limits for all pesticide/PCB compounds and total Aroclors in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" (unless previously flagged "R") on the data tables. In addition, the reported positive results for the following compounds in the samples listed below should be considered estimated and have been flagged "J" on the data tables. Low recoveries (<40%) were observed for one or more of the surrogate compounds in the analyses of these samples.

| Compounds | SDG | Samples With Qualified Quantitation Limits ("UJ") and/or Estimated Positive Results ("J") |
|---|---|---|
| ~~All compounds~~ | ~~01-380~~ | ~~L-TS-70-N, L-TS-89-N, A-TS-35-N, A-TS-46-N~~, ① A-TS-48-N, A-TS-57-N, G-TS-02-N, G-TS-22-N, G-TS-29-N, L-TS-62-N, L-TS-63-N, and L-TS-84-N |
| All compounds | 01-571 | * CMS-EW-4003-0000-01, LPX-EW-4004-0000-01, CMS-EW-4002-0000-01, and CMS-EW-4005-0000-01 * |

* samples re-extracted with batch 01-672. DJPahl 6/20/02

- The quantitation limits for the following compounds in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. Low recoveries (<40%) were observed for these compounds in the associated LCS analyses.

| Compound | SDG | Samples With Qualified Quantitation Limits ("UJ") |
|---|---|---|
| endrin aldehyde | ~~01-380~~ | ~~All samples~~ ① |
| | ~~01-568~~ | ~~All samples~~ ① |
| endosulfan II | 01-571 | All samples |

① Not relavent to diet data packages BL 5-29-02

- The quantitation limits for the following compounds in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, the reported positive results for the following compounds in the samples listed below should be considered estimated and have been flagged "J" on the data tables. Low recoveries (<40%) were observed for these compounds in the associated MS/MSD analyses.

| Compound(s) | SDG | Samples With Qualified Quantitation Limits ("UJ") and/or Estimated Positive Results ("J") |
|---|---|---|
| ~~endosulfan II and endrin aldehyde~~ | ~~01-380~~ | ~~L-TS-70-N~~ ① |
| 4,4′-DDE, aldrin, *alpha*-BHC, *alpha*-chlordane, *beta*-BHC, *delta*-BHC, endosulfan I, endosulfan II, endrin aldehyde, *gamma*-BHC, *gamma*-chlordane, heptachlor, and heptachlor epoxide | 01-571 | RWR-EW-5002-0000-01 |
| endosulfan I | 01-587 | RWR-CF-5003-0000-01 |

- The quantitation limits for 4,4-DDD; 4,4′-DDE; 4,4-DDT; alpha-chlordane; endosulfan II; endrin aldehyde; endrin ketone; *gamma*-chlordane; heptachlor; and heptachlor epoxide in SDG 01-571 sample RWR-EW-5002-0000-01 may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, the reported positive results for 4,4-DDD; 4,4′DDE; *alpha*-chlordane; and *gamma*-chlordane in SDG 01-571 sample RWR-EW-5002-0000-01 should be considered estimated and have been flagged "J" on the data tables. High RPDs (>30%) were observed between the results for these compounds in the associated MS/MSD analyses.

- The reported positive results for dieldrin, heptachlor epoxide, Aroclor-1254, and ~~total~~ Aroclors in SDG 01-568 sample L-TS-73-P should be considered estimated and have been flagged "J" on the data tables. High RPDs (>30%) were observed between the results for dieldrin, heptachlor, epoxide, and Aroclor-1254 ~~in the~~ associated laboratory duplicate analyses. ①

- The reported positive result ~~for~~ 4,4′-DDE in SDG 01-568 sample A-TS-33-P should be considered estimated and has been flagged "J" on the data tables. A high recovery ~~(>120%)~~ was observed for 4,4′-DDE in the associated MS analysis.

- The reported positive results for Total Aroclor in all samples with estimated positive results (flagged "J"), for Aroclor-1254, and/or for Aroclor-1268 should be considered estimated and have been flagged "J" on the data tables. The laboratory-reported results for Total Aroclor represent the sum of the observed positive results for all Aroclor compounds.

- Three split sample pairs [SDG 01-587 sample LPX-CF-4001-01 (W6485) and its split sample LPX-CF-4001-01 (W6834), SDG 01-587 sample LPX-CF-4004-0000-01 (W6480) and its split sample LPX-CF-4004-0000-01 (W6835), and SDG 01-587 sample



① Not relavent to diet data packages. BL 5-29-02

WRL-CF-4005-0000-01 (W6484) and its split duplicate, sample LPX-CF-4004-0000-01 (W6836)] were submitted to the laboratory with this data set. Acceptable precision and sample representativeness were demonstrated by the correlation observed between the results in the split sample pairs (*i.e.*, when both results were ≥3× the quantitation limit, the RPD was ≤50% or when one of the results was ≤3× the quantitation limit, the difference between results was ≤3× the quantitation limit). Complete comparisons of the quantitatively confident positive results in the split sample pairs have been included in Section 3.

- One field duplicate pair (SDG 01-571 sample CMS-EW-4001-0000-01 and its field duplicate sample CMS-DU-072001-A) was submitted to the laboratory with this data set. Acceptable precision and sample representativeness were demonstrated by all reported results in these field QC samples except the results for dieldrin and methoxychlor. A positive result for methyoxychlor was reported in sample CM-S-DU-0702001-A and methoxychlor was not observed in sample CMS-EN-4001-0000-01. The quantitation limit for methoxychlor in SDG 01-571 sample CMS-EW-4001-0000-01 may be higher than reported, and the "not-detected" result has been flagged "UJ" on the data tables. In addition, the reported positive results for dieldrin and methoxychlor in SDG 01-571 sample CMS-DU-072001-A and for dieldrin in SDG 01-571 sample CMS-EW-4001-0000-01 should be considered estimated and have been flagged "J" on the data tables. The differences between the reported results for these compounds were greater than three-times the quantitation limit and at least one of the results was less than five-times the quantitation limit.

- Based on the project-specific reporting requirements, all reported positive results with concentrations between the laboratory method detection limit and the project quantitation limit should be considered estimated and have been flagged "J" on the data tables.

Complete support documentation for this organic QA review is presented in Section 3 of this report. The cover sheet for this section is a checklist of all QA procedures required by the methods and examined in this data review.

C. Conclusions

Overall, the data quality is satisfactory. Based on this QA review, one organic result was qualified as unusable due to very low matrix spike/matrix spike duplicate recoveries. In addition, several organic results were qualified as estimated due to high check standard %Ds, low laboratory control sample recoveries, high continuing calibration %Ds, low surrogate standard recoveries, low matrix spike/matrix spike duplicate recoveries, high matrix spike/matrix spike duplicate RPDs, laboratory and field duplicate imprecision, and quantitation of results below the project-required quantitation limits. Overall, the data are acceptable for use, provided the data user understands the limitations and qualifications stated in this QA review. The Laboratory Case Narratives, Chain-of-Custody Records, and Project Correspondence are presented in Sections 4, 5, and 6, respectively.

Report prepared by:

Glenn S. Esler
Quality Assurance Chemist

Report reviewed by:

Meg A. Michell for STZ

Stephen T. Zeiner, CEAC, CPC
Senior Quality Assurance Chemist III

Report reviewed and approved by:

Kathleen Finnegan for KRC

Kyle R. Clay
Senior Quality Assurance Chemist I/
Project Manager

Report reviewed and approved by:

David R Blye

David R. Blye, CEAC
Quality Assurance Specialist/
Principal

ENVIRONMENTAL STANDARDS, INC.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482-0810

(610) 935-5577

Date: 2/7/02

w:\battelle\duxbury r1 dv\y1031544\final\report9.doc

## Section 1 Quality Assurance Review

Re-extract Batch 01-672 for Pest/PCB

### A. Organic Data

The organic analyses of 20 tissue samples (including QC samples) were performed by Battelle Laboratories (Battelle) of Duxbury, Massachusetts. The samples were collectively analyzed for select polynuclear aromatic hydrocarbons (PAH) by selective ion monitoring by Battelle Method SOP 5-157-05 and for pesticide/PCB compounds by Battelle Method SOP 5-128-05. These analyses are specified on Table 1. The laboratory organized the samples into one sample delivery group (SDG 01-672).

The findings in this report are based upon a rigorous review of holding times, condition of samples upon laboratory receipt, blank analysis results, laboratory control sample (LCS) recoveries, matrix spike (MS)/matrix spike duplicate (MSD) recoveries and precision, laboratory duplicate precision, surrogate recoveries, instrument sensitivity, analytical sequence, and calibrations.

Overall, the organic data quality appears to be acceptable. Analytical and reporting requirements defined in the QAPP were met for this data set, with the exception of the items identified in the following sections of this QA review; it should be emphasized that these items do not necessarily impact data usability. Based upon a Tier II review of the data provided, the organic data qualifiers associated with the samples that underwent limited data validation are presented in the subsequent Organic Data Qualifiers section. These qualifiers should not be applied to any organic results that did not undergo data validation. Data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the validation guidelines specify areas of the data that require qualification, yet the methods used for analysis do not require any corrective action by the laboratory. Accordingly, the data usability issues that follow should not necessarily be construed as an indication of laboratory performance.

#### Noncorrectable Deficiencies

1. High percent differences (%Ds>25%) were observed for *gamma*-BHC and *delta*-BHC in continuing calibration verifications (CCVs) associated with project samples. According to the QAPP (Worksheet #21), the laboratory should reanalyze the Check Standard Solution or recalibrate the system if any percent difference is greater than 25%. The laboratory did not reanalyze the standards or recalibrate the system. The impact on data usability due to the high %Ds is addressed in the subsequent Organic Data Qualifiers section.

2. The reported sample cooler temperature upon laboratory receipt for the sample cooler containing samples A-TS-35-N, A-TS-57-N, G-TS-02-N, and L-TS-63-N was 19.7°C. According to the QAPP (Worksheet #22A), samples must be frozen when shipped. Due to the stability of the target compounds at temperatures less than 20°C, qualification of data was not warranted due to the elevated sample temperature upon receipt.

not relevant to fish diet tissue data. DDahl 6/5/02

Comments (1)

1. For the PAH fraction, the tentatively identified compounds (TICs) reported for the project samples were evaluated for the presence of target compounds or surrogate standards. Target compounds and surrogate standards were not reported as TICs for the project samples.

(1)

2. The laboratory did not provide sample receipt information (sample custody records, Sample Receipt Forms, and sample login reports) for samples LPX-LB-4004-0000-01, GMP-LB-5005-0000-01, and MAP-LB-4001-0000-01. The data reviewer was able to obtain these data from other project data packages.

With respect to data usability, the principal areas of concern include blank contamination, MS/MSD results, laboratory duplicate imprecision, a continuing calibration issue, and quantitation of results below the project-required quantitation limit. Based on a Tier II review of the data provided, the following organic data qualifiers are offered. The following data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the data validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis may not require corrective action by the laboratory. Accordingly, the following data usability issues should not be construed as an indication of laboratory performance.

Organic Data Qualifiers

(1) Not relevant to Duet samples. DTD 9/12/02

- Due to the trace-level presence of the following compounds in the associated method blanks, the reported positive results for the following compounds in the samples listed below should be considered "not-detected" and have been flagged "U" on the data tables. Furthermore, results that were reported below the sample-specific quantitation limit were replaced with the quantitation limit and the appropriate "U" qualifier. It should be noted that sample weights were taken into consideration when evaluating blank contamination.

| Compound(s) | Sample(s) With Results Qualified as "Not-Detected" ("U") |
|---|---|
| biphenyl and naphthalene | all samples |
| 2-methylnaphthalene | GMP-LB-5005-0000-01 and LPX-LB-4004-0000-01 |
| anthracene and fluoranthene | LPX-LB-4004-0000-01 and MAP-LB-4001-0000-01 |
| chrysene and pyrene | GMP-LB-5005-0000-01, LPX-LB-4004-0000-01, and MAP-LB-4001-0000-01 |
| phenanthrene | LPX-LB-4004-0000-01 |

- The quantitation limits for endrin aldehyde in sample LPX-LB-4003-0000-01; for endosulfan I, endosulfan II, and endrin aldehyde in sample GMP-LB-5005-0000-01; and for endosulfan I and endrin aldehyde in sample CMS-EW-4003-0000-01 may be higher



(1) Not relevant to Duet. DTD 9/12/02

than reported and have been flagged "UJ" on the data tables. Low recoveries (<40%) were observed for endosulfan I, endosulfan II, and endrin aldehyde in the associated MS/MSD analyses.

- The reported positive result for 4,4´-DDE in sample GMP-LB-5005-0000-01 should be considered estimated and has been flagged "J" on the data tables. High recoveries (>125%) was observed for 4,4´-DDE in the associated MS/MSD analyses. (1)

- The reported positive result for *alpha*-chlordane in sample GMP-LB-5005-0000-01 should be considered estimated and has been flagged "J" on the data tables. A high relative percent difference (RPD>30%) was observed for *alpha*-chlordane in the associated MS/MSD analyses. (1)

- The reported positive results for fluoranthene, phenanthrene, and Total PAHs in sample GMP-LB-5005-0000-01 and for phenanthrene in sample LPX-LB-4003-0000-01 should be considered estimated and have been flagged "J" on the data tables. High RPDs (>30%) were observed for these compounds in the associated laboratory duplicate analyses. (1)

- The reported positive results for Aroclor-1254, Aroclor-1268, Total Aroclor, and technical chlordane in sample LPX-LB-4003-0000-01; for 4,4´-DDT; *alpha*-chlordane, dieldrin, Aroclor-1254, Aroclor-1268, Total Aroclor; and technical chlordane in sample GMP-LB-5005-0000-01; and for *alpha*-chlordane, *gamma*-chlordane, technical chlordane, Aroclor-1254, and Total Aroclor in sample CMS-EW-4005-0000-01 should be considered estimated and have been flagged "J" on the data tables. High RPDs (>30%) were observed for these compounds in the associated laboratory duplicate analyses.

- The quantitation limits for *gamma*-BHC and *delta*-BHC in all samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. High percent differences (%Ds>25%) were observed for these compounds in associated continuing calibration standards.

- The reported positive results for Total Aroclor in all samples with estimated positive results (flagged "J"), for Aroclor-1254, and/or for Aroclor-1268 should be considered estimated and have been flagged "J" on the data tables. The laboratory-reported results for Total Aroclor represent the sum of the observed positive results for all Aroclor compounds.

- The reported positive results for Total PAHs in all samples with estimated positive results (flagged "J") for any PAH compound should be considered estimated and have been flagged "J" on the data tables. The laboratory-reported results for Total PAHs represent the sum of the observed positive results for all PAH compounds. (1)

- Based on the project-specific reporting requirements, all reported positive results with concentrations between the laboratory method detection limit and the project quantitation limit should be considered estimated and have been flagged "J" on the data tables.

(1) Not relevant to Det. DTD 9/12/02

Complete support documentation for this organic QA review is presented in Section 3 of this report. The cover sheet for this section is a checklist of all QA procedures required by the methods and examined in this data review.

B. Conclusions

Overall, the data quality is acceptable. Based on this QA review, several PAH results were qualified as "not-detected" due to blank contamination. In addition, several PAH and pesticide/PCB results were qualified as estimated due to MS/MSD results, a continuing calibration issue, laboratory duplicate imprecision, and quantitation of results below the project-required reporting limit. Overall, the data are acceptable for use, provided the data user understands the limitations and qualifications stated in this QA review. The Laboratory Case Narratives, and Chain-of-Custody Records are presented in Sections 4 and 5 respectively.

Report prepared by:

Glenn S. Esler
Quality Assurance Chemist

Report reviewed by:

Stephen T. Zeiner, CEAC, CPC
Senior Quality Assurance Chemist III

Report reviewed and approved by:

Kyle R. Clay
Senior Quality Assurance Chemist I/
Project Manager

Report reviewed and approved by:

David R. Blye, CEAC
Quality Assurance Specialist/
Principal

ENVIRONMENTAL STANDARDS, INC.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482-0810

(610) 935-5577

Date: 3/6/02

## Section 1 Quality Assurance Review

A. Inorganic Data

The inorganic analyses of 19 tissue samples (including QC samples) 16 crayfish samples (including QC samples), 18 worm samples (including QC samples), and 204 fish samples (Including QC samples) were performed by Battelle Marine Sciences Laboratory (MSL) of Sequim, Washington. The samples were collectively analyzed for beryllium, aluminum, vanadium, chromium, manganese, iron, zinc, and silver by Battelle-MSL Method MSL-I-027-03; for cobalt, nickel, arsenic, molybdenum, copper, cadmium, antimony, thallium, barium, and lead by Battelle-MSL Method MSL-I-022-04; for methylmercury by Battelle Method MSL-I-015-05; for selenium by Battelle-MSL Method MSL-I-029-03; and for mercury by Battelle-MSL Method MSL-I-016-03. These analyses are specified on Table 1. The laboratory organized the samples into one SDG (SDG 1678).

The findings in this report are based upon a Tier II review of sample holding times, condition of samples upon laboratory receipt, blank analysis results, laboratory and field duplicate precision, blank spike recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries and precision, standard reference material (SRM) results, instrument sensitivity, method detection limits (MDLs), and calibrations.

Overall, the inorganic appears to be acceptable. The data reviewer has edited the QC forms based on the deficiencies listed in this QA review. Analytical and reporting requirements defined in the QAPP were met for this data set, with the exception of the items identified in the following sections of this QA review; it should be emphasized that these items do not necessarily impact data usability. Based upon a Tier II review of the data provided, the inorganic data qualifiers associated with the samples that underwent a Tier II review are presented in the subsequent Inorganic Data Qualifiers Section. These qualifiers should not be applied to any inorganic results that did not undergo a Tier II review. Data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the validation guidelines specify areas of the data that require qualification, yet the methods used for analysis do not require any corrective action by the laboratory. Accordingly, the data usability issues that follow should not necessarily be construed as an indication of laboratory performance.

Correctable Deficiencies

1. The laboratory-reported sequence numbers on the ICP/MS Sample Entry Report and on the Data Set summary for data set 1678-3 do not correspond. The data reviewer was able to determine the sequence numbers are "off" by six.

2. The laboratory did not report all of the samples analyzed on 11/10/01 on the associated ICP Analytical Sequence form.

3. The laboratory did not summarize the results of the initial calibrations for the majority of the analyses in this data set. The data reviewer was unable to evaluate the linearity of the calibrations for these analyses. All continuing calibration verification (CCV) standard recoveries were within the acceptance limits; therefore, data were not qualified due to this issue.

4. The laboratory did not summarize calibration blank results for any of the analyses in this data set. The data reviewer used the procedural blank results to evaluate the usability of the project sample data.

5. The laboratory did not summarize the internal standard responses for the ICPMS analyses performed by Battelle-MSL Method MSL-I-022-04. According to the method (Section 6.8), the internal standard responses should be within 60-125% of the original response in the calibration blank. The data reviewer could not evaluate the internal standard responses for compliance.

6. The laboratory flagged the lead results with a "U" on the sample results summary form for several fish tissue samples analyzed on 9/10/01. The levels of lead in these samples were above the MDL and the results should not have been flagged "U". The data reviewer deleted the "U" flags from the data tables. (1)

7. The laboratory reported sample IDs of "LPX-LB-4009-0000-00" and "LPX-LB-4010-0000-00" on the sample results summary form for samples LPX-LB-4009-0000-01 and LPX-LB-4010-0000-01.

8. The laboratory did not summarize the calibration verification standard, calibration blank, interference check sample, and/or serial dilution results for the ICP analyses performed on 9/12/01 and 9/25/01. The data reviewer was able to evaluate these QC samples only on a pass/fail basis using the results reported on the analytical sequence lists.

9. The laboratory reported a collection date of "6/23/01" on the Sample Login form for samples GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, and GMP-AE-5010-0000-01. According to the Chain-of-Custody record, these samples were collected on 6/25/01. (1)

Noncorrectable Deficiencies

1. The laboratory analyzed more than 10 samples between calibration verification standards for the methylmercury sequences analyzed on 8/8/01 and 9/4/01. According to Battelle Method MSL-I-015-05 (Table 1), methylmercury calibration verification standards must be analyzed every 10 samples. The associated project samples were bracketed by QC-compliant verification standards; therefore, qualification of data was not warranted due to this issue.

2. The laboratory did not perform serial dilution analyses in association with the ICP samples analyzed on 9/20/01, 9/25/01, 11/10/01, 11/11/01, and 11/12/01. According to Battelle-MSL Method MSL-I-027-03 (Section 7.2.1), a serial dilution analysis must be performed with each batch of samples. The Environmental Standards data reviewer was



(1) Not relavent to diet data packages. BL 5-30-02

(1) Serial dilutions were performed if instrument problems (e.g., interferences) were suspected; serial dilutions, if any, were identified with an L in the lab ID. The laboratory SOP will be review and modified, as appropriate, to ensure that this procedure is accurately describe DTD 6/20/02



unable to assess chemical or physical interferences that would be demonstrated by serial dilution results. See response above (1). DTD 6/21/02

3. The temperatures of the coolers received by the laboratory on 6/22/01 were 14.5°C and 8.3°C. In addition, laboratory comments on the Chain-of-Custody records indicated that the samples received on 6/29/01 were frozen. According to the QAPP (Worksheet #22a), the cooler temperature for tissue samples must be < 6°C and the samples must be visually inspected upon receipt to determine if the samples are frozen. Data were not qualified due to this deficiency.

Comments

1. The laboratory reported all observed detections as positive results. Battelle project management indicated to the Environmental Standards data reviewer that this reporting convention was consistent with project requirements. US EPA reporting conventions typically dictate that results with concentrations less than the MDL or the instrument detection limit (IDL) are reported as "not-detected" results. As part of this Tier II review, the Environmental Standards data reviewer did not alter the laboratory-reported results. The impact of this reporting issue on data quality is addressed in the Inorganic Data Qualifiers section.

(1)

2. Samples DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-5003-0000-01 were reported with 4000-series ID numbers on the data tables. The 5000-series ID numbers were used to refer to these samples in this QA review. As instructed by Battelle personnel, the Environmental Standards data reviewer did not edit the sample identifications on the electronic data deliverables or data tables.

3. The laboratory noted on the Chain-of-Custody record that the samples received on 6/26/01 were mislabeled with 4000-series ID numbers and that the samples should have been labeled with 5000-series IDs. The 5000-series IDs were used to refer to the samples in question in this QA review. As instructed by Battelle personnel, the Environmental Standards data reviewer did not edit the sample identifications on the electronic data deliverables or data tables.

With respect to data usability, the principal areas of concern are blank contamination, laboratory and field duplicate imprecision, low and high MS/MSD recoveries, MS/MSD imprecision, SRM imprecision, low and high blank spike recoveries, and results below the MDL. Based on a rigorous review of the data provided, the following inorganic and wet chemistry data qualifiers are offered. The following data usability issues represent an interpretation of the QC results obtained for the project samples. Quite often, data qualifications address issues relating to sample matrix problems. Similarly, the data validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis may not require corrective action by the laboratory. Accordingly, the following data usability issues should <u>not</u> be construed as an indication of laboratory performance.



(1) Not relavent to diet data packages. BL 5-30-02

Inorganic Data Qualifiers

- Due to the trace-level presence of the following compounds in the associated method blanks and/or calibration blanks, the reported positive results for the following compounds in the samples listed below should be considered "not-detected" and have been flagged "U" on the data tables. Furthermore, results that were reported below the sample specific detection limits were replaced with the detection limit and the appropriate "U" qualifier. It should be noted that sample weights were taken into consideration when evaluating blank contamination.

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| aluminum | ~~MAP-LB-4001-0000-01F, MAP-LB-4002-0000-01F, LPX-DU-062101-0000-DF,~~ ① GMP-CF-5001-0000-01, GMP-CF-5002-0000-01, RWR-CF-5004-0000-01, CMS-CF-4003-0000-01, LPX-CF-4001-0000-01, LPX-CF-4002-0000-01, LPX-CF-4004-0000-01, WRL-CF-4005-0000-01, ~~GMP-LB-5006-0000-01F~~, ① ~~RAB-LB-5002~~-0000-01F, RAB-LB-5004-0000-01F, GMP-LB-5007-0000-01F, GMP-LB-5010-~~0000~~-01F, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, RAB-LB-5003-0000-01O, ~~RAB-AE-5004-0000-01~~, RAB-LB-5004-0000-01O, RAB-AE-5006-0000-01, LPX-LB-~~4009~~-0000-01F, MAP-LB-4003-0000-01F, GMP-LB-5001-0000-01F, GMP-LB-5002-~~0000-01F~~, GMP-LB-5003-0000-01F, GMP-LB-5004-0000-01F, GMP-LB-5005-0000-01F, ~~GMP-LB~~-5009-0000-01F, RAB-LB-5001-0000-01F, and LPX-LB-4006-0000-~~01O~~ ① |
| arsenic | ~~All fish samples, except LPX-WS-4009-0000-01~~ ① All crayfish samples |
| antimony | GMP-CF-5001-0000-01, RAB-CF-5004-0000-01, CMS-CF-4003-0000-01, LPX-CF-4004-0000-01, all ~~fish samples except LPX-WS-4001-0000-01,~~ ① ~~LPX~~-WS-4002-0000-01, LPX-WS-4005-0000-01, LPX-WS-4007-0000-01, LPX-WS-~~4008-0000~~-01, LPX-WS-4009-0000-01, LPX-AE-4004-0000-01, LPX-LB-4008-0000-01F, ~~LPX~~-LB-4008-0000-01O, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, ~~GMP-WS~~-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-~~5004-0000~~-01, GMP-WS-5005-0000-01, GMP-5006-0000-01, GMP-WS-5007-0000-01, ~~GMP~~-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, ~~GMP-AE~~-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-~~0000-01,~~ ① ~~GMP-AE-5005-0000-01, and GMP-AE-5006-0000-01~~ ① |
| barium | LPX-LB-4006-0000-01F, MAP-LB-4002-0000-01F, ① MAP-LB-4003-0000-01F, GMP-LB-5002-0000-01F, ~~GMP-LB~~-5003-0000-01F, GMP-LB-5005-0000-01F, GMP-LB-5006-~~0000-01F~~, GMP-LB-5007-0000-01F, GMP-LB-5010-0000-01F, LPX-~~LB-4009~~-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5003-~~0000~~-01F, and RAB-LB-5004-0000-01F |



① Not relavent to dict data packages. BC 5-31-02

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| beryllium | ~~APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01,~~ ① APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-WS-4008-0000-01, APC-DU-062001-0000-4, APC-WS-4009-0000-01, APC-WS-4010-0000-01, LPX-WS-4003-0000-01, LPX-WS-4004-0000-01, LPX-WS-4005-0000-01, LPX-DU-062101-A, LPX-WS-4006-0000-01, LPX-WS-4010-0000-01, LPX-AE-4001-0000-01, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, LPX-AE-4004-0000-01, LPX-AE-4005-0000-01, LPX-DU-062101-B, LPX-AE-4006-0000-01, LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LBX-LB-4001-0000-01O, LBX-LB-4002-0000-01O, LBX-LB-4004-0000-01O, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01O, RAB-LB-5004-0000-01O, ~~MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01O, MAP-LB-4003-0000-01O,~~ ① ① ~~RAB-BB-5003-0000-01, A-TS-49-L, G-TS-02-L, G-TS-22-L,~~ ① ~~G-TS-29-L, L-TS-62-L, LTS-84-L, L-TS-89-L~~, and all cray fish samples |
| chromium | ~~APC-WS-4009-0000-01, APC-WS-4010-0000-01, LPX-WS-4003-0000-01,~~ ① LPX-WS-4004-0000-01, LPX-DU-062101-A, LPX-AE-4001-0000-01, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, GMP-LB-5002-0000-01F, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-1O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, LPX-AE-4005-0000-01, LPX-DU-062101-B, LPX-AE-4006-0000-01, LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4007-0000-01O, LPX-LB-4008-0000-01F, LPX-DU-062101-0000-DF, GMP-WS-5003-0000-01, GMP-WS-5005-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5006-0000-01, GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5007-0000-010, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-010, ~~GMP-LB-5009-0000-01F, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01,~~ ① ① MAP-LB-4002-0000-01F, ~~RAB-AE-5006-0000-01~~, GMP-CF-5001-0000-01, RAB-CF-5004-0000-01, and LPX-CF-4004-0000-01 |
| iron | ~~GMP-LB-5010-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5003-0000-01F, and RAB-LB-5004-0000-01F~~ ① ① |



① Not relavant to diet data packages. BL 5-31-02

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| lead | APC-AE-4008-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4007-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5002-0000-01F, GMP-LB-5003-0000-01F, GMP-LB-5004-0000-01F, GMP-LB-5006-0000-01F, GMP-LB-5007-0000-01F, GMP-LB-5008-0000-01F, GMP-LB-5009-0000-01F, GMP-LB-5010-0000-01F, LPX-LB-4009-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5002-0000-01F, RAB-LB-5003-0000-01F, RAB-LB-5003-0000-01O, RAB-LB-5004-0000-01F, MAP-LB-4002-0000-01F, MAP-LB-4003-0000-01F, RAB-AE-5006-0000-01, and GMP-LB-5005-0000-01F |
| nickel | GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5010-0000-01F, LPX-LB-4009-0000-01F, RAB-LB-5003-0000-01F, and MAP-LB-4003-0000-01F |
| selenium | LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DF, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-010, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, DYP-AE-5003-0000-01, GMP-LB-5003-0000-01F, GMP-LB-5006-0000-01F, and GMP-LB-5007-0000-01F |
| cadmium | LPX-LB-4001-0000-01F, LPX-LB-4002-0000-01F, LPX-LB-4003-0000-01F, LPX-LB-4004-0000-01F, LPX-DU-062101-0000-CF, LPX-LB-4005-0000-01F, LPX-LB-4006-0000-01F, LPX-LB-4007-0000-01F, GMP-LB-5001-0000-01F, GMP-LB-5002-0000-01F, GMP-LB-5003-0000-01F, GMP-LB-5004-0000-01F, GMP-LB-5005-0000-01F, GMP-LB-5006-0000-01F, GMP-LB-5007-0000-01F, GMP-LB-5009-0000-01F, GMP-LB-5010-0000-01F, LPX-LB-4009-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5002-0000-01F, MAP-LB-4001-0000-01F, and MAP-LB-4003-0000-01F |

(1)



(1) Not relavent to diet data packages. BL 5-31-02

(1)

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| mercury | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4007-0000-01O, GMP-AE-5002-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, and GMP-AE-5006-0000-01 |
| molybdenum | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-DU-062101-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01F, LPX-LB-4009-0000-01O, LPX-LB-4010-0000-01F, LPX-LB-4010-0000-01O, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, RAB-LB-5002-0000-01O, LPX-AE-4001-0000-01, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, LPX-DU-062101-B, LPX-AE-4006-0000-01, LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4002-0000-01F, LPX-LB-4003-0000-01F, LPX-LB-4004-0000-01F, LPX-DU-062101-0000-CF, LPX-LB-4005-0000-01F, LPX-LB-4006-0000-01F, LPX-LB-4007-0000-01O, LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01F, RAB-LB-5003-000-01O, RAB-LB-5004-0000-01F, RAB-AE-5004-0000-01, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, GMP-AE-5007-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4002-0000-01F, MAP-LB-4003-0000-01F, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-5003-0000-01 |



① Not relavent to diet data packages. BL 5-31-02

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| thallium | ~~APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01,~~ ① APC-AE-4004-0000-01, APC-DU-062101-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-WS-4008-0000-01, APC-DU-062101-0000-4, APC-WS-4009-0000-01, APC-WS-4010-0000-01, LPX-WS-4001-0000-01, LPX-WS-4002-0000-01, LPX-WS-4003-0000-01, LPX-WS-4004-0000-01, LPX-WS-4005-0000-01, LPX-DU-062101-A, LPX-WS-4006-0000-01, LPX-WS-4007-0000-01, LPX-WS-4008-0000-01, LPX-WS-4009-0000-01, LPX-WS-4010-0000-01, LPX-AE-4001-0000-01, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, LPX-AE-4004-0000-01, LPX-AE-4005-0000-01, LPX-DU-062101-B, LPX-AE-4006-0000-01, GMP-AE-5010-0000-01, RAB-BB-5001-0000-01, RAB-AE-5003-0000-01, RAB-AE-5005-0000-01, MAP-LB-4002-0000-01F, MAP-LB-4003-0000-01F, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, DYP-AE-5003-0000-01, ~~GMP-WS-5001-0000-01, GMP-WS-5006-0000-01, GMP-WS-5010-0000-01,~~ ① CMS-CF-4006-0000-01, CMS-CF-4006-0000-01, and LPX-CF-4002-0000-01 |
| silver | ~~APC-DU-062101-0000-B, APC-AE-4005-0000-01, APC-AE-4007-0000-01,~~ APC-AE-4008-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4008-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5009-0000-01F, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, DYP-AE-5003-0000-01, RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-01O, LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4007-0000-01O, LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, ① |



① Not relavent to diet data packages. BL 5-31-02

| Analyte | Samples With Positive Results Qualified as "Not-Detected" ("U") |
|---|---|
| | GMP-WS-5010-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, A-TS-35-L, A-TS-46-L, A-TS-48-L, A-TS-57-L, G-TS-02-L, G-TS-07-L, G-TS-22-L, G-TS-29-L, L-TS-63-L, L-TS-70-L, and L-TS-89-L |
| vanadium | APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, LPX-AE-4009-0000-01, APC-WS-4009-0000-01, LPX-AE-4007-0000-01, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, LPX-AE-4004-0000-01, LPX-AE-4005-0000-01, LPX-DU-062101-B, LPX-WS-4004-0000-01, LPX-WS-4005-0000-01, GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01O, RAB-CF-5004-0000-01, LPX-LB-4004-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4008-0000-01F, LPX-DU-062101-0000-DF, GMP-WS-5001-0000-01, GMP-WS-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5006-0000-01, GMP-AE-5008-0000-01O, GMP-LB-5009-0000-01F, A-TS-35-L, A-TS-48-L, A-TS-49-L, G-TS-04-L, G-TS-29-L, L-TS-63-L, L-TS-70-L, L-TS-89-L, and A-TS-57-L |
| zinc | RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-01O, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-5003-0000-01 |
| aluminum, cobalt, nickel, arsenic, antimony, barium, thallium, and lead | All tissue samples |
| chromium, selenium, and cadmium | All tissue samples except A-TS-57-L |

- The detection limits for the following analytes in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, any reported positive results for these analytes in the samples listed below should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. High %Ds (>25%), coupled with a bias towards lower recoveries, were obtained between the observed and true concentrations of these analytes in the associated SRM analyses.

① Not relavent to diet data packages. BL 5-31-02

| Analyte | Samples With Qualified Detection Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|
| aluminum | ~~APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01,~~ (1) APC-AE-4004-0000-01, APC-DU-062001-~~0000-B, APC-AE-~~4005-0000-01, APC-AE-4006-0000-01, ~~APC-AE-~~4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-~~0000~~-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-~~WS-~~4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, ~~APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01,~~ (1) (1) ~~APC-WS-4008-0000-01, APC-DU-062001-0000-4~~, all crayfish samples, and all worm samples |
| selenium | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, (1) LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4007-0000-01O, LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01F, LPX-LB-4009-0000-01O, LPX-4010-0000-01F, LPX-4010-0000-01O, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, RAB-LB-5002-0000-01O, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01F, RAB-LB-5003-0000-01O, and RAB-LB-5004-0000-01F |

- The reported positive results for the following analytes in the samples listed below should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. High %Ds (>25%), couple with a bias towards higher recoveries, were obtained between the observed and true concentrations of these analytes in the associated SRM analyses.

(1) Not relavent to diet data packages. BL 5-31-02

| Analyte(s) | Samples With Estimated Positive Results ("J") |
|---|---|
| aluminum, selenium, and lead | All crayfish samples and all worm samples |
| lead | APC-WS-4009-0000-01, APC-WS-4010-0000-01, LPX-WS-4001-0000-01, LPX-WS-4002-0000-01, LPX-WS-4003-0000-01, LPX-WS-4004-0000-01, LPX-WS-4005-0000-01, LPX-DU-062101-A, LPX-WS-4006-0000-01, LPX-WS-4007-0000-01, LPX-WS-4008-0000-01, LPX-WS-4009-0000-01, LPX-WS-4010-0000-01, LPX-AE-4001-0000-01, LPX-AE-4002-0000-01, LPX-AE-4003-0000-01, LPX-AE-4004-0000-01, LPX-AE-4005-0000-01, LPX-DU-062101-B, LPX-AE-4006-0000-01, GMP-LB-5010-0000-01F, LMP-LB-4009-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5002-0000-01F, RAB-LB-5003-0000-01F, RAB-LB-5004-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01O, LPX-LB-4010-0000-01F, LPX-LB-4010-0000-01O, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01O, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, and RAB-LB-5003-0000-01O |
| lead, iron, and zinc | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, and LPX-LB-4007-0000-01O |
| aluminum and chromium | All tissue samples |

- The detection limits for the following analytes in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, any reported positive results for these analytes in the samples listed below should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. Low recoveries (<70%) and/or high RPDs (>30%) were observed for these analytes in the associated MS/MSD analyses.

① Not relavent to diet data packages. RC 5-31-02

| Analyte | Samples With Biased Detection Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|
| manganese | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-WS-4008-0000-01, and APC-DU-062101-0000-4 |
| mercury | GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01F, LPX-LB-4009-0000-01O, LPX-LB-4010-0000-01F, LPX-LB-4010-0000-01O, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, RAB-LB-5002-0000-01O, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01F, and RAB-LB-5004-0000-01F |
| zinc | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, and LPX-LB-4007-0000-01O |
| beryllium, aluminum, vanadium, barium, chromium, and selenium | All crayfish samples |

① Not relavent to diet data packages. BL 5-31-02

| Analyte | Samples With Biased Detection Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|
| selenium | LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-01O, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-50003-0000-01 |
| vanadium | GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01F, LPX-LB-4009-0000-01O, LPX-LB-4010-0000-01F, LPX-LB-4010-0000-01O, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, RAB-LB-5002-0000-01O, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01O, and RAB-LB-5004-0000-01F |

- The reported positive results for the following analytes in the samples listed below should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. High recoveries (>130%) and/or high RPDs (>30%) were observed for these analytes in the associated MS/MSD analyses.

| Analyte | Samples With Estimated Positive Results ("J") |
|---|---|
| nickel | GMP-AE-5007-000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, and GMP-LB-5009-0000-01F |
| copper | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-40061-0000-01O, LPX-LB-4007-0000-01F, and LPX-LB-4007-0000-01O |

① Not relevant to dict data packages. BL 5-31-02

| Analyte | Samples With Estimated Positive Results ("J") |
|---|---|
| iron | GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-000-01F, LPX-LB-4009-000-01O, LPX-LB-4010-000-01F, LPX-LB-4010-000-01O, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, RAB-LB-5002-0000-01O, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-02, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01O, and RAB-LB-5004-0000-01F |
| manganese | RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-00001-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-01O, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-5003-0000-01 |
| zinc | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-DU-062001-0000-4, LPX-LB-4008-0000-01F, LPX-LB-4008-0000-01O, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, and GMP-LB-5009-0000-01F |

- The detection limits for silver and/or mercury in the following samples may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, any reported positive results for silver and/or mercury in these samples should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. Low recoveries (<70%) were observed for silver in the associated blank spike analyses.

① Not relavent to diet data packages. BL 5-31-02

| Analyte(s) | Samples With Qualified Detection Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|
| silver | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-LB-4004-0000-01F, LPX-LB-4004-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, and LPX-LB-4007-0000-01O |
| silver and mercury | GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, and GMP-LB-5009-0000-01F |

- The reported positive results for the following analytes in the samples listed below should be considered estimated and have been flagged "J" on the data tables. Large discrepancies were obtained for these analytes in the associated laboratory duplicate analyses.

| Analyte | Sample(s) With Estimated Positive Results ("J") |
|---|---|
| barium | All fish samples except LPX-LB-4004-0000-01O, LPX-LB-4006-0000-01F, LPX-LB-4010-0000-01O, RAB-LB-5004-0000-01O, RAB-AE-5004-0000-01, RAB-AE-5005-0000-01, MAP-LB-4001-0000-01F, MAP-LB-4001-0000-01O, MAP-LB-4002-0000-01F, MAP-LB-4002-0000-01O, MAP-LB-4003-0000-01F, MAP-LB-4003-0000-01O, RAB-BB-5003-0000-01, RAB-AE-5006-0000-01, DYP-AE-5001-0000-01, DYP-AE-5002-0000-01, and DYP-AE-5003-0000-01 |
| beryllium | All worm samples |
| copper | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APE-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-DU-062001-0000-4, LPX-LB-4008-0000-01-F, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, and GMP-AE-5006-0000-01 |

① Not relavent to diet data packages. BL 5-31-02

| Analyte | Sample(s) With Estimated Positive Results ("J") |
|---|---|
| iron | All crayfish samples ① |
| lead | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-DU-062001-0000-4, and LPX-LB-4008-0000-010 |
| manganese | APC-AE-4001-0000-01, APC-AE-4002-0000-01, APC-AE-4003-0000-01, APC-AE-4004-0000-01, APC-DU-062001-0000-B, APC-AE-4005-0000-01, APC-AE-4006-0000-01, APC-AE-4007-0000-01, APC-AE-4008-0000-01, APC-AE-4009-0000-01, APC-AE-4010-0000-01, APC-WS-4001-0000-01, APC-WS-4002-0000-01, APC-WS-4003-0000-01, APC-WS-4004-0000-01, APC-WS-4005-0000-01, APC-WS-4006-0000-01, APC-WS-4007-0000-01, APC-WS-4008-0000-01, APC-DU-062001-0000-4, LPX-LB-4008-0000-01F, LPX-DU-062101-0000-DF, LPX-DU-062101-0000-DO, GMP-WS-5001-0000-01, GMP-WS-5002-0000-01, GMP-WS-5003-0000-01, GMP-WS-5004-0000-01, GMP-WS-5005-0000-01, GMP-WS-5006-0000-01, GMP-WS-5007-0000-01, GMP-WS-5008-0000-01, GMP-WS-5009-0000-01, GMP-WS-5010-0000-01, GMP-AE-5001-0000-01, GMP-AE-5002-0000-01, GMP-AE-5003-0000-01, GMP-AE-5004-0000-01, GMP-AE-5005-0000-01, GMP-AE-5006-0000-01, GMP-LB-5009-0000-01F, GMP-LB-5009-0000-01O, GMP-LB-5010-0000-01F, GMP-LB-5010-0000-01O, GMP-AE-5010-0000-01, LPX-LB-4009-0000-01F, LPX-LB-4009-0000-01O, LPX-LB-4010-0000-01F, RAB-LB-5001-0000-01F, RAB-LB-5001-0000-01O, RAB-LB-5002-0000-01F, , RAB-LB-5002-0000-01O, RAB-BB-5001-0000-01, RAB-BB-5002-0000-01, RAB-AE-5001-0000-01, RAB-AE-5002-0000-01, RAB-AE-5003-0000-01, RAB-LB-5003-0000-01F, RAB-LB-5003-0000-01O, and RAB-LB-5004-0000-01F |
| zinc | LPX-AE-4007-0000-01, LPX-AE-4008-0000-01, LPX-AE-4009-0000-01, LPX-AE-4010-0000-01, LPX-LB-4001-0000-01F, LPX-LB-4001-0000-01O, LPX-LB-4002-0000-01F, LPX-LB-4002-0000-01O, LPX-LB-4003-0000-01F, LPX-LB-4003-0000-01O, LPX-DU-062101-0000-CF, LPX-DU-062101-0000-CO, LPX-LB-4005-0000-01F, LPX-LB-4005-0000-01O, LPX-LB-4006-0000-01O, LPX-LB-4007-0000-01F, LPX-LB-4007-0000-01O, GMP-AE-5007-0000-01, GMP-AE-5008-0000-01, GMP-AE-5009-0000-01, GMP-LB-5001-0000-01F, GMP-LB-5001-0000-01O, GMP-LB-5002-0000-01F, GMP-LB-5002-0000-01O, GMP-LB-5003-0000-01F, GMP-LB-5003-0000-01O, GMP-LB-5004-0000-01F, GMP-LB-5004-0000-01O, GMP-LB-5005-0000-01F, GMP-LB-5005-0000-01O, GMP-LB-5006-0000-01F, GMP-LB-5006-0000-01O, GMP-LB-5007-0000-01F, GMP-LB-5007-0000-01O, GMP-LB-5008-0000-01F, GMP-LB-5008-0000-01O, and GMP-LB-5009-0000-01F |

① Not relavent to diet data packages. BZ 5-31-02

- The reported positive results for zinc in all tissue samples should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. Low recoveries (<70%) were observed for these analytes in the associated MS/MSD analyses.

- The reported positive results for iron in all tissue samples should be considered estimated and have been flagged "J" on the data tables. High recoveries (>125%) were observed for these analytes in the associated blank spike analyses.

- Nine field duplicate pairs (sample APC-AE-4004-0000-01 and its field duplicate, sample APC-DU-062001-0000-B; sample APC-WS-4008-0000-01 and its field duplicate, sample APC-DU-062001-0000-4; sample LPX-WS-4005-0000-01 and its field duplicate, sample LPX-DU-062101-A; sample LPX-AE-4005-0000-01 and its field duplicate, sample LPX-DU-062101-B; sample LPX-LB-4004-0000-01F and its field duplicate, sample LPX-DU-062101-0000-CF; sample LPX-LB-4004-0000-01O and its field duplicate, sample LPX-DU-062101-0000-CO; sample LPX-LB-4008-0000-01F and its field duplicate sample LPX-DU-062101-0000-DF; sample LPX-LB-4008-0000-01O and its field duplicate sample LPX-DU-062101-0000-DO; and sample CMS-EW-4001-0000-01 and its field duplicate, sample CMS-DU-072001-A) were submitted to the laboratory with this data set. Acceptable precision and sample representativeness were demonstrated by the reported positive results in these field QC samples with the following exceptions. The detection limits for the following analytes in the samples listed below may be higher than reported, and the "not-detected" results have been flagged "UJ" on the data tables. In addition, any reported positive results for these analytes in the samples listed below should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. Large discrepancies (RPD>40% when both results were ≥5× the MDL or difference >2× the MDL when one or both results was <5× the MDL) were observed between the results for these analytes in the field duplicate analyses. A complete comparison of the field duplicate results is included in Section 3.

| Analyte(s) | Samples With Qualified Detection Limits ("UJ") or Estimated Positive Results ("J") |
|---|---|
| methylmercury and lead | LPX-LB-4008-0000-01O and LPX-DU-062101-0000-DO |
| aluminum, copper, manganese, and zinc | LPX-LB-4008-0000-01F and LPX-DU-062101-0000-DF |

- Based on standard project reporting requirements, all positive results reported with concentrations below the project-required quantitation limits have been flagged "J" (unless previously flagged "U") on the data tables.

① Not relavent to dict data packages. BC 5-31-02

Complete support documentation for this inorganic QA review is presented in Section 3 of this report. The cover sheet for this section is a checklist of all QA procedures required by the methods and examined in this data review.

B. Conclusions

Overall, the data quality is satisfactory. Based on this QA review, several inorganic results were qualified due to blank contamination, laboratory and field duplicate imprecision, low and high MS/MSD recoveries, MS/MSD imprecision, SRM imprecision, low and high blank spike recoveries, and results below the MDL. Overall, the data are acceptable for use, provided the data user understands the limitations and qualifications stated in this QA review. The Laboratory Case Narratives and Chain-of-Custody Records are presented in Sections 4 and 5, respectively.

Report prepared by:

Glenn S. Esler
Quality Assurance Chemist

Report prepared by:

Thomas H. Weinmann
Quality Assurance Chemist

Report reviewed by:

Stephen T. Zeiner, CEAC, CPC
Senior Quality Assurance Chemist III

Report reviewed and approved by:

Kyle R. Clay
Senior Quality Assurance Chemist I/
Project Manager

Report reviewed and approved by:

David R. Blye, CEAC
Quality Assurance Specialist/
Principal

ENVIRONMENTAL STANDARDS, INC.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482-0810

(610) 935-5577

Date: 3-15-02