US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

QA/QC Narratives

US EPA ARCHIVE DOCUMENT

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 Pest: 0.73 to 2.90 Technical Chlordane: 80.4 to 166 Toxaphene: 18.3 to 33.3	Aroclor: 0.48 to 17 Pest: 0.0565 to 6020 Technical Chlordane: NA 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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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).

US EPA ARCHIVE DOCUMENT

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:

(i) • CMS-EW-4003-0000-01 (Battelle ID W6545)
• CMS-EW-4003-0000-01 (Battelle ID W6545DUP)
(i) • 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. (i) 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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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 Pest: 0.75 to 2.94 Technical Chlordane: 94.1 to 282 Toxaphene: 18.8 to 56.4	Aroclor: 0.48 to 17 Pest: 0.0565 to 6020 Technical Chlordane: NA 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 (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

US EPA ARCHIVE DOCUMENT

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%

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Diet Tissue and QC Results

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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

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	&

US EPA ARCHIVE DOCUMENT

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				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
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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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				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		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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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	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	0.85	J		T

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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	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
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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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			

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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			

US EPA ARCHIVE DOCUMENT

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
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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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	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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	0.76	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	0.76	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	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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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	0.75	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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			

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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
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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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				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
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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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				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
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

US EPA ARCHIVE DOCUMENT

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	

US EPA ARCHIVE DOCUMENT

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				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
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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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				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

US EPA ARCHIVE DOCUMENT

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	&

US EPA ARCHIVE DOCUMENT

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		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

US EPA ARCHIVE DOCUMENT

Section 4
Metal and Methyl Mercury Results

QA/QC Narratives
Diet Tissue and QC Results

QA/QC Narratives

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

METALS QA/QC SUMMARY
SDG #8 - Crayfish

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.

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Diet Tissue and QC Results

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

Section 5
Lipid Content Results

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

	•	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.

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).

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.

US EPA ARCHIVE DOCUMENT

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).

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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	
$^{13}C_{12}$-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.

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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): To generate data of quality to be used for human health (HHRA) and ecological risk assessments (ERA).	Yes, Sampling Method appropriate for all samples. Yes, Analytical Method appropriate for all samples.	Refer to qualification in R/S Key on Table I: J[2,3,4,5,6,7], R[1]	Refer to qualification in R/S Key on Table I: 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. 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 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

US EPA ARCHIVE DOCUMENT

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 DF
LABORATORY: Battelle

SAMPLE NUMBER:	Toxicity	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:	Equivalency	CENTREDALE MANOR SITE		CENTREDALE MANOR SITE		CENTREDALE MANOR SITE		GREYSTONE MILL POND		GREYSTONE MILL POND	
MATRIX:	Factors (1)	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	0.68	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	0.36	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

US EPA ARCHIVE DOCUMENT

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	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:	Equivalency	GREYSTONE MILL POND			LYMANSVILLE POND			LYMANSVILLE POND			LYMANSVILLE POND			LYMANSVILLE POND		
MATRIX:	Factors (1)	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		166.03			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	0.16		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	8.93		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	0.29		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		1.86	J		166.03	J		30.62	J		83.31	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	5.12		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:		08/19/01			08/19/01			08/19/01			08/19/01			08/19/01		
ANALYSIS DATE:		09/30/01			09/29/01			09/29/01			09/29/01			09/29/01		
LAB SAMPLE ID:		49038-21-19			49038-21-16			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

US EPA ARCHIVE DOCUMENT

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	RAB-CF-5004-0000-01		RWR-CF-5003-0000-01		RWR-CF-5004-0000-01		WRL-CF-4005-0000-01	
STATION LOCATION:	Equivalency	ASSUMPTION BROOK REFERENCE		WOONASQUATUCKET RIVER UPSTREAM REACH		WOONASQUATUCKET RIVER UPSTREAM REACH		WOONASQUATUCKET RIVER LYMANSVILLE REACH	
MATRIX:	Factors (1)	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 $		0.56 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		6.89 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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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

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 %Solids = 23.00	% Lipids = 3.92 %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.

US EPA ARCHIVE DOCUMENT

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

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.

US EPA ARCHIVE DOCUMENT

- 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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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]

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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): 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. Yes, Analytical Method appropriate for all samples.	Refer to qualification in R/S Key on Table I: R[1,2,3,4,5,6]	Refer to qualification in R/S Key on Table I: 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. 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 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	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:	Equivalency	Centredale Manor Site		Centredale Manor Site		Centredale Manor Site		Centredale Manor Site		Lymansville Pond	
MATRIX:	Factors (1)	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	6.62	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	< 0.0003	562.95 J		387.43 J		472.01 J		764.24 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	0.58	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	0.86 J		0.49 J		0.69 J		0.92 J		UJ	0.64
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		0.80 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		4.48 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):		500 J		140 J		220 J		180 J		80 J	
PERCENT SOLIDS:		23.00		19.40		20.31		23.89		24.62	
PERCENT LIPIDS:		2.36		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

07/29/2002 MON 11:21 FAX 001/010

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

(2) CMS per Harding ESE ddaulen 8/7/02

SAMPLE NUMBER:	Toxicity	LPX-EW-4005-C000-01		LPX-EW-4005-C030-01		LPX-EW-4007-C030-01		RWR-EW-5001-0030-01		RWR-EW-5002-C030-01	
STATION LOCATION:	Equivalency	Lymansville Pond		Lymansville Pond		Lymansville Pond		Woonasquatucket River Upstream Reach		Woonasquatucket River Upstream Reach	
MATRIX:	Factors (1)	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	9.84 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		116.08 J		8.80 J		10.33 J	
1,2,3,4,7,8,9-HpCDF	0.01	1.11 J		0.15 J		5.36 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		9.85 J	
TOTAL HpCDD		316.16 J		18.86 J		446.93 J		89.83 J		51.66 J	
TOTAL TCDF		UJ	3.36	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		5.66 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 - Hexachloroxanthene		4074.07 J		UJ	19.66	UJ	19.93	UJ	19.84	UJ	39.70
TCX - Tetrachloroxanthene		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		3.08		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		07/16/01	
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

US EPA ARCHIVE DOCUMENT

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 DYF
LABORATORY: Battelle

SAMPLE NUMBER:	Toxicity	RWR-EW-5003-0000-01			RWR-EW-5004-0000-01		
STATION LOCATION:	Equivalency	Woonasquatucket River Upstream Reach			Woonasquatucket River Upstream Reach		
MATRIX:	Factors (1)	TISSUE			TISSUE		
TCDD/TCDF CONC.:		pg/g		DL/EMPC*	pg/g		DL/EMPC*
2,3,7,8-TCDD	1.0	0.43	J		0.72	UJ	
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$		1.97	UJ	
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	16.92	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		0.72	UJ	
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		1.97	UJ	
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			10/09/01		
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

US EPA ARCHIVE DOCUMENT

*	•	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.

US EPA ARCHIVE DOCUMENT

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

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.

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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[3]	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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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): 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 Yes, Analytical Method appropriate for all samples.	Refer to qualification in R/S Key on Table I: $J^{1,2,3,4,5}$, $R^{1,2}$	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. 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 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: Rdeany

Date: 7/22/02

US EPA ARCHIVE DOCUMENT

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

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue - B10F2 SDG No. 49038-21 PCB
LABORATORY: BATTELLE

SAMPLE NUMBER:	Toxicity	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:	Equivalency	GREYSTONE MILL POND		GREYSTONE MILL POND		LYMANSVILLE POND		LYMANSVILLE POND		LYMANSVILLE POND	
MATRIX:	Factors (1)	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-15/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		121.82 J		UJ	164.44
PCB-19		1.87 J		5.78 J		2.48 J		1.79 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		518.39 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	124.36	1018.23		357.57		U	609.59
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		3.36 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-61/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		302.67 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	82.49	53.82 J		U	99.24	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	323.95
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		9556.89		2816.07		5100.30	
PCB-98/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	5.28	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-108/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		2146.68		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		9797.92		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	

US EPA ARCHIVE DOCUMENT

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

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

SAMPLE NUMBER:	Toxicity	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	
STATION LOCATION:	Equivalency	GREYSTONE MILL POND		GREYSTONE MILL POND		LYMANSVILLE POND		LYMANSVILLE POND		LYMANSVILLE POND	
MATRIX:	Factors (1)	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-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	252.80		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		350.25		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		1055.02		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		50.05 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		586.85		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		850.24 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		662.05		1126.70 J		1508.29		378.96		2234.32	
2,3,3',4,4',5,5'-HeptaCB (#189)	<0.000005	14.28 J		29.65 J		34.03 J		10.08 J		129.33 J	
PCB-190		60.69 J		76.73 J		118.28		39.12 J		491.87 J	
PCB-191		12.62 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		805.15 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		60.85 J		16.20 J		105.57 J	
PCB-203		362.64 J		1250.52 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		3581.97	
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		80959.45		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		09/18/01	
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

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/Dict 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

US EPA ARCHIVE DOCUMENT

	•	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.

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

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.

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

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

US EPA ARCHIVE DOCUMENT

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

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.

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Table 1
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]

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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]

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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): 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 Yes, Analytical Method appropriate for all samples.	Refer to qualification in R/S Key on Table I: J/UJ/R	Refer to qualification in R/S Key on Table I: 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. 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 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: 7/3/02

US EPA ARCHIVE DOCUMENT

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	CMS-DU-072001-A			LPX-EW-4004-0000-01			RWR-EW-5002-0000-01		
STATION LOCATION:	Equivalency	CENTREDALE MANOR SITE			LYMANSVILLE POND			WOONASQUATUCKET RIVER UPSTREAM REACH		
MATRIX:	Factors (1)	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		109.60	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		73.96	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		764.80	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		858.74	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

US EPA ARCHIVE DOCUMENT

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

SITE: Centredale Manor - N. Providence, RI
CASE NO. Diet Tissue B2OF2 SDG No. 49E38-30 PCB
LABORATORY: BATTELLE

SAMPLE NUMBER:	Toxicity	CMS-DU-072001-A		LPX-EW-4004-0000-01		RWR-EW-5002-0000-01	
STATION LOCATION:	Equivalency	CENTREDALE MANOR SITE		LYMANSVILLE POND		WOONASQUATUCKET RIVER UPSTREAM REACH	
MATRIX:	Factors (1)	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		1529.84 J	
PCB-84		9630.81 J		903.45 J		882.13 J	
PCB-85/PCB-116/PCB-117		3493.53 J		754.25 J		405.06 J	
PCB-86/PCB-87/PCB-97/PCB-109/PCB-119/PCB-125		19459.60 J		3156.88 J		2088.84 J	
PCB-88		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		3825.78 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		903.16 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		5309.12 J		1092.34 J		758.76 J	
PCB-129/PCB-138/PCB-160/PCB-163		38524.96 J		7345.84 J		4932.32 J	
PCB-130		2476.89 J		437.63 J		288.16 J	
PCB-131		593.36 J		72.11 J		51.87 J	
PCB-132		12250.16 J		1792.60 J		1261.40 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		1003.68 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		5640.99 J	
PCB-153/PCB-168		17636.54 J		4690.94 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	865.96 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		153.30 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		926.28 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		4601.96 J		3356.27 J	
2,3,3',4,4',5,5'-HeptaCB (#189)	< 0.000005	92.60 J		27.95 J		23.68 J	

US EPA ARCHIVE DOCUMENT

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

SITE: Centredale Manor - N. Providence, RI
CASE NO. Dist Tissue B2DF2 SDG No. 49038-30 PCB
LABORATORY: BATTELLE

SAMPLE NUMBER	Toxicity	CMS-DU-072001-A		LPX-EW-4004-0000-01		RWR-EW-6002-0000-01			
STATION LOCATION:	Equivalency	CENTREDALE MANOR SITE		LYMANSVILLE POND		WOONASQUATUCKET RIVER UPSTREAM REACH			
MATRIX:	Factors (1)	TISSUE		TISSUE		TISSUE			
		ng/kg	DL/EMPC*	ng/kg	DL/EMPC*	ng/kg	DL/EMPC*		
PCB-190		316.10 J		71.66 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		129.26 J		156.24 J			
PCB-197/PCB-203		101.15 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		19.90 UJ	199.23	19.90 J			
PCB-206		1944.64 J		1738.80 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		90361.76 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. DMD 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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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 not be construed as an indication of laboratory performance.

Organic Data Qualifiers

- 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.

- 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

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

US EPA ARCHIVE DOCUMENT

- 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 DMPahl 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

US EPA ARCHIVE DOCUMENT

- 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

US EPA ARCHIVE DOCUMENT

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.

US EPA ARCHIVE DOCUMENT

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:

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

Date: 2/7/02

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

(610) 935-5577

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

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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.

2. (1) 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 Diet 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 Diet. DTD 9/12/02

US EPA ARCHIVE DOCUMENT

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. DDD 9/12/02

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

(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 renew and modified, as appropriate, to ensure that this procedure is accurately described -page 3

unable to assess chemical or physical interferences that would be demonstrated by serial dilution results. See response above (1). DTD 6/21/02 DTD 6/20/02

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.

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. (1)

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 not be construed as an indication of laboratory performance.

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

US EPA ARCHIVE DOCUMENT

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-4008-0000-01F, 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 diet data packages. BL 5-31-02

US EPA ARCHIVE DOCUMENT

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 relavent to dict data packages. BL 5-31-02

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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)

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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. RL 5-31-02

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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-5007-0000-01, 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-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 dist data packages. BL 5-31-02

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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

US EPA ARCHIVE DOCUMENT

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 BL 5-31-02

US EPA ARCHIVE DOCUMENT

- 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 diet data packages. BC 5-31-02

US EPA ARCHIVE DOCUMENT

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

w:\battelle\duxbury r1 dv\y1031544\final\report8.doc

US EPA ARCHIVE DOCUMENT