Three Mile Creek Area of Concern
Long-Term Monitoring Program
Former Griffiss Air Force Base
Rome, New York

FALL 2007
ANNUAL
LONG TERM MONITORING
REPORT

Prepared by:

FPM Group, Ltd.
153 Brooks Road
Rome, NY 13441

Contract No. F41624-03-D-8601
Delivery Order: 0027

Revision 0.0
October 2008

FPM group

FPM Group, Ltd.
FPM Engineering Group. P.C.
formerly Fanning, Phillips and Molnar

153 Brooks Road
Rome, NY 13441
315/336-7721
FAX 315/336-7722

MEMORANDUM

DATE: October 24, 2008

TO: See Distribution List

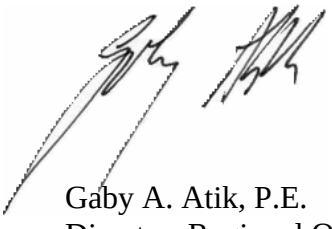
FROM: FPM Group

RE: Fall 2007 Annual Long-Term Monitoring Report
Three Mile Creek Area of Concern (AOC)
Former Griffiss Air Force Base, Rome, New York
Contract No. F41624-03-D-8601-0027
Revision 0.0
October 2008

FPM Group, Ltd. (FPM) is pleased to submit two (2) copies of the above-referenced Fall 2007 Annual Long-Term Monitoring Report for Three Mile Creek Area of Concern (AOC) at the former Griffiss Air Force Base, Rome, New York.

If you have any questions or require additional information, please call me at 315-336-7721 ext. 202, or e-mail me at g.atik@fpm-group.com.

Very truly yours,



Gaby A. Atik, P.E.
Director, Regional Operations

Enc.

cc: Michael McDermott, AFRPA-Griffiss (4 copies and 2 CDs)
Carol Devier-Heeney, AFCEE/BCE (1 electronic copy)

DISTRIBUTION:

Mr. Douglas Pocze
USEPA Region II
Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866 (2 copies)

Mr. Charles Merckel
U.S. Fish and Wildlife Service
3817 Luker Road
Cortland, NY 13045 (1 copy)

Ms. Heather Bishop, Project Manager
NYS Department of Environmental Conservation
Bureau of Eastern Remedial Action
Division of Hazardous Waste Remediation, 11th Floor
625 Broadway
Albany, NY 12233-7015 (2 hard copies and 1 CD)

Ms. Corbin Gosier
NYS Department of Environmental Conservation
Bureau of Habitat
5th Floor, DFWMR
625 Broadway
Albany, NY 12233-4756 (1 copy)

Mr. Mark Craig
NYS Department of Environmental Conservation, Region 6
Bureau of Habitat Biologist
State Office Building
317 Washington Street
Watertown, NY 13601 (1 copy)

FALL 2007
ANNUAL
LONG-TERM MONITORING
REPORT

Prepared for:

Three Mile Creek Area of Concern
Long-Term Monitoring Program
Former Griffiss Air Force Base
Rome, New York

through

The Air Force Center for Engineering and the Environment
3300 Sidney Brooks
Brooks City-Base, TX 78235

Prepared by:

FPM Group, Ltd.
153 Brooks Road
Rome, NY 13441

Contract No. F41624-03-D-8601
Delivery Order No. 0027

Revision 0.0
October 2008

This page is intentionally left blank.

TABLE OF CONTENTS

SECTION **PAGE**

LIST OF FIGURES

FIGURE **PAGE**

LIST OF TABLES

TABLE **PAGE**

APPENDICES

(All appendices are provided on the attached CD)

Appendix

LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEE	Air Force Center for Engineering and the Environment
AOC	Area of Concern
ARAR	Applicable or Relevant and Appropriate Requirements
ASTM	American Society for Testing and Materials
bgs	below ground surface
BRAC	Base Realignment and Closure
COC	contaminant of concern
CoC	chain of custody
DDE	1,1-dichloro-2,2-bis(chlorophenyl) ethylene
DO	Delivery Order
DOT	Department of Transportation
DQO	data quality objective
E&E	Ecology and Environment, Inc.
ERPIMS	Environmental Resources Program Information Management System
EPT	Ephemeroptera (mayflies), plecoptera (stoneflies) and trichoptera (caddisflies)
FDA	Food and Drug Administration
FPM	FPM Group, Ltd.
FS	Feasibility Study
FSP	Field Sampling Plan
HSP	Health and Safety Plan
LAW	Law Engineering and Environmental Services, Inc.
LTM	long-term monitoring
MS/MSD	matrix spike/matrix spike duplicate
MSL	mean sea level
NYS	New York State
NYSBC	New York State Barge Canal
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PISCES	passive in-situ chemical extraction sample
POC	point of compliance
QA/QC	quality assurance/quality control

QAPP	Quality Assurance Project Plan
RA	Remedial Action
RI	Remedial Investigation
SAP	Sampling and Analysis Plan
SCG	Standards, Criteria, and Guidelines
SDG	Sample Delivery Group
SI	Supplemental Investigation
SVOC	semivolatile organic compound
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
VOC	volatile organic compound
WP	Work Plan
µg/Kg	micrograms per kilogram
µg/L	micrograms per liter

1 INTRODUCTION

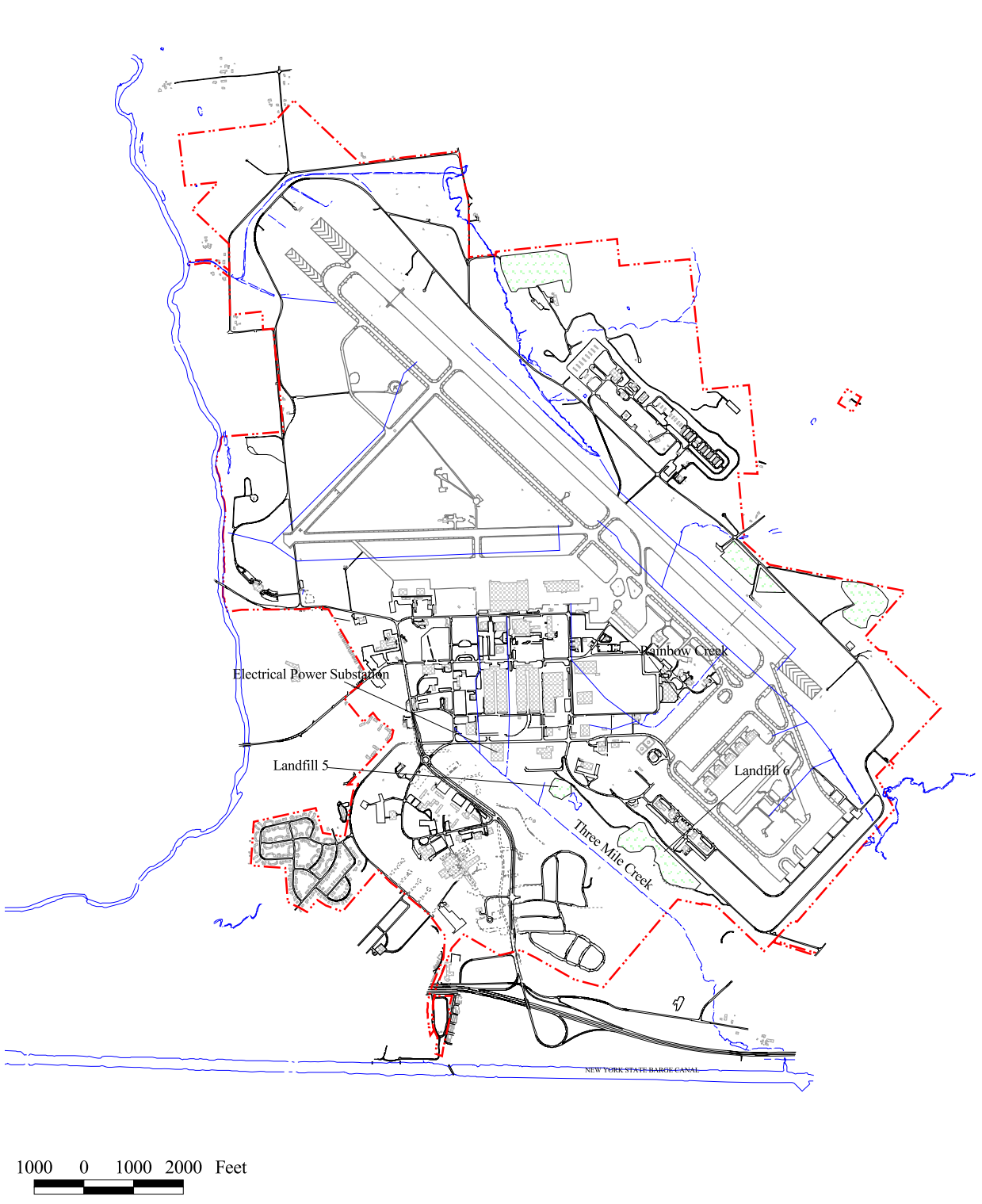
1.1 Description of Intent

FPM Group, Ltd. (FPM), under contract with the Air Force Center for Engineering and the Environment (AFCEE), is conducting a long-term monitoring (LTM) program for sediment, surface water, fish tissue, and qualitative benthic macroinvertebrate community analysis at the Three Mile Creek (TMC) Area of Concern (AOC) at the former Griffiss Air Force Base (AFB), Rome, New York. Please refer to Figure 1-1 for the TMC AOC location.

The LTM program is part of the selected remedy as described in the signed Record of Decision (ROD) (Ecology and Environment, Inc. [E&E], December 2003). The LTM program will monitor the presence of contaminants of concern (COCs), assess the potential for migration of COCs and establish an early warning system for assuring compliance with potential COC receptors (human, and terrestrial and aquatic wildlife). The LTM program is conducted in accordance with provisions of the Basic Contract # F41624-03-D-8601 and Delivery Order (DO) # 0027.

Sediment, surface water, and fish tissue samples, as appropriate, were collected in October 2006 and analyzed for their respective COCs as identified during previous investigations. Qualitative benthic macroinvertebrate community analysis was performed at all fish sampling locations. Both the data collected in this sampling round and previous data were utilized for the overall performance evaluation. The results from the 2006 sampling round functioned as a baseline for subsequent sampling rounds. In the October 2007 sampling round, only sediment and surface water samples were collected.

The work plan operational in this LTM sampling is the final LTM WP for the TMC and Six Mile Creek AOCs (FPM, October 2004). The Health and Safety Plan (HSP) and the Field Sampling Plan (FSP), operational in this LTM sampling are the Basewide HSP (FPM, December 2003) and the Basewide FSP (FPM, March 2005). Reference is also made to the AFCEE Quality Assurance Project Plan (QAPP), Version 3.1 or later versions (AFCEE, August 2001), with project-specific AFCEE-approved variances.



Legend

- Landfills
- AF Boundary
- Streams/Creeks
- Storm Drain
- Airfield

Road
- Existing
- Removed

Facilities
- Existing
- Demolished

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 1-1
Three Mile Creek Site Location Map

FPM group

Y:\GIS_Projects\Griffiss\Projects\40-05-27\3-6_Mile_Creek\tmc site loc map

2 ENVIRONMENTAL SETTING

2.1 Physiography and Topography

The former Griffiss AFB is located in the city of Rome in Oneida County, New York (refer to Figure 2-1). The former Base lies within the Mohawk Valley between the Appalachian plateau and the Adirondack Mountains. A rolling plateau northeast of the former Base reaches an elevation of 1300 ft above mean sea level (MSL). The New York State Barge Canal (NYSBC) and the Mohawk River valley south of the former Base lie below 430 ft MSL. The topography across the former Base is relatively flat with elevations ranging from 435 ft MSL in the southwest portion to 595 ft MSL in the northwest portion of the former Base.

2.2 Geology

Unconsolidated sediments at the Griffiss AFB consist primarily of glacial till with minor quantities of clay and sand and significant quantities of silt and gravel. The thickness of these sediments ranges from 0 feet in the northeast portion to more than 130 feet in the southern portion of the former Base. The average thickness of the unconsolidated sediments is 25 to 50 feet in the central portion and 100 to 130 feet in the south and southwest portions of the former Base. The bedrock beneath the former AFB generally dips from the northeast to the southwest and consists of the black Utica Shale. It is a gray and black carbonaceous unit with a high/ medium organic content (Law Engineering and Environmental Services, Inc. [LAW], December 1996). More details on the geologic features were discussed in Sections 3 and 4 of the AOC Long-Term Monitoring Baseline Study (FPM, July 2000).

2.3 Hydrogeology

The shallow water table aquifer lies within the unconsolidated sediments, where depth to groundwater ranged from 0 ft below ground surface (bgs) in the southwest portion to 63 ft bgs in the northeast portion of the former Base during the December 1998 synoptic Base-wide water-level measurement of wells (FPM, July 2000). Groundwater across the former Base generally flows from the northeast to the southwest. Several creeks, drainage culverts, and sewers (mostly acting as drains for shallow groundwater), intercept surface water runoff. A comprehensive description of regional and local geology, hydrogeology, and lithology for the former Griffiss AFB was given in Section 4 of the AOC Long-Term Monitoring Baseline Study (FPM, July 2000), and in the Remedial Investigation (RI) by Law (LAW, December 1996), and in the Supplemental Investigation (SI) prepared by E&E (E&E, November 1998).

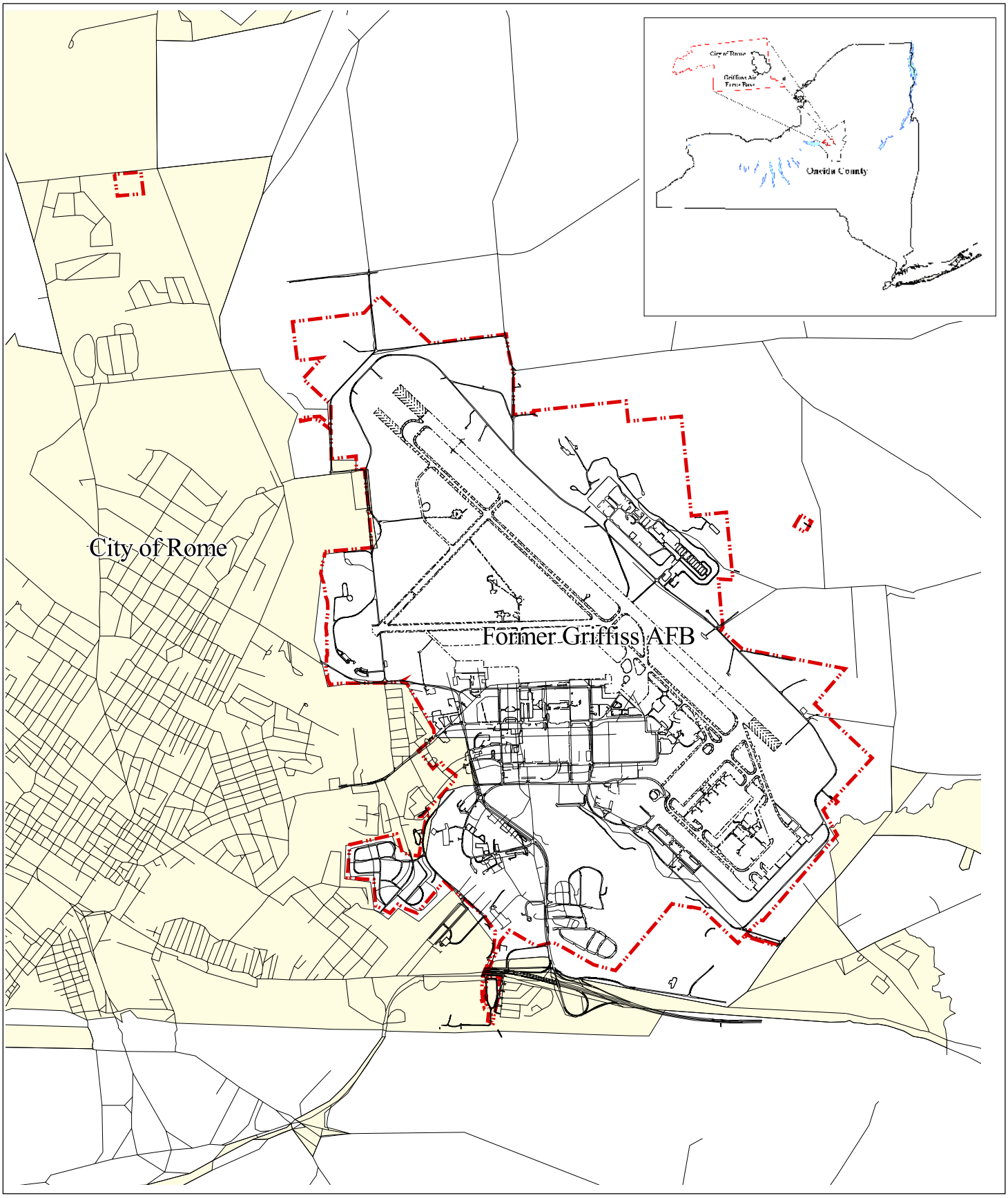


Figure 2-1
Base Location Map

N

2400 0 2400 4800 7200 Feet

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

FPM group

2.4 Climate

The former Griffiss AFB experiences a continental climate characterized by warm, humid, moderately wet summers and cold winters with moderately heavy snowfalls. The mean annual precipitation is 45.6 inches, which includes the mean annual snowfall of 107 inches. The annual evapotranspiration rate is 23 inches. The average temperature during the winter season is 20 degrees Fahrenheit; temperatures during the spring, summer, and fall vary from 31 to 81 degrees Fahrenheit. The prevailing winds are from the southwest, with an average wind speed of 5 knots.

The former Griffiss AFB is located in a region prone to acid precipitation; the annual average pH of precipitation recorded for 1992 at the three closest stations ranged from 4.25 to 4.28. Fluctuations in pH have an inverse correlation to precipitation, such that lower pH levels correlate with higher amounts of precipitation (LAW, December 1996).

2.5 Biology

The former Griffiss AFB, covering 3,552 acres of property within the Erie-Ontario ecozone of the Great Lakes Physiographic Province, has been heavily disturbed from an ecological perspective. Although there are a few undisturbed communities within the former Base's boundary, the 1993 Inventory of Rare Plant Species and Significant Natural Communities identified six significant habitats of special concern occurring on the former Base (New York Natural Heritage Program, January 1994). There are five special-concern habitats identified by the Inventory that are adjacent to or within the confines of AOCs at the former Base. These special-concern habitats include: (1) a white-cedar-dominated rich sloping fen adjacent to the Six Mile Creek floodplain, (2) a hemlock-hardwood swamp located in a mature forest occurring hydraulically upgradient of Landfill 1 (Ammo Storage Area); (3) a rich graminiod fen adjacent to the southeast corner of the runway, situated on top of the buried section of Six Mile Creek; (4) a pitch pine-scarlet oak woods northwest of the point where TMC leave the base boundary; and (5) a hemlock-hardwood swamp of several acres at the southern end of TMC. These last two are in the vicinity of the TMC AOC. The pitch pine-scarlet oak woods site is located several hundred feet from TMC and it is therefore not affected by any TMC sampling activity. TMC traverses the hemlock-hardwood swamp at the southern part of it's stretch. LTM activities will strictly be performed in TMC or it's banks and only designated access roads will be used. No permanent disturbance of the hemlock-hardwood special-concern habitat is expected.

Although no plant or animal species at the former Base have been considered threatened or endangered by the U.S. Department of the Interior, some species listed on the NYS Threatened Species List have been identified, with habitats relevant to the AOCs at the former Base. None of these species have been reported in areas that influence or are near TMC.

This page is intentionally left blank.

3 THREE MILE CREEK AOC

3.1 Site Location and History

The TMC AOC is located in a forested area in the southern part of the former Griffiss AFB. It is bordered by the Electrical Power Substation on the northwest side, Landfills 5 and 6 on the northeast side, and the former Skyline housing development on the southwest side (Figure 3-1).

The TMC AOC is a creek with an approximately length of 10,000 ft, a width of 10 ft and a depth ranging from 2 inches at its origination to 2 ft at the furthest downstream area (near the New York State (NYS) Barge Canal). The creek originates at two stormwater culvert outlets located at Ellsworth Road (near the Electrical Power Substation). Two additional smaller culverts that drain the area surrounding the Electrical Power Substation enter the creek slightly downstream from the two larger culverts.

3.2 Hydrogeological Setting

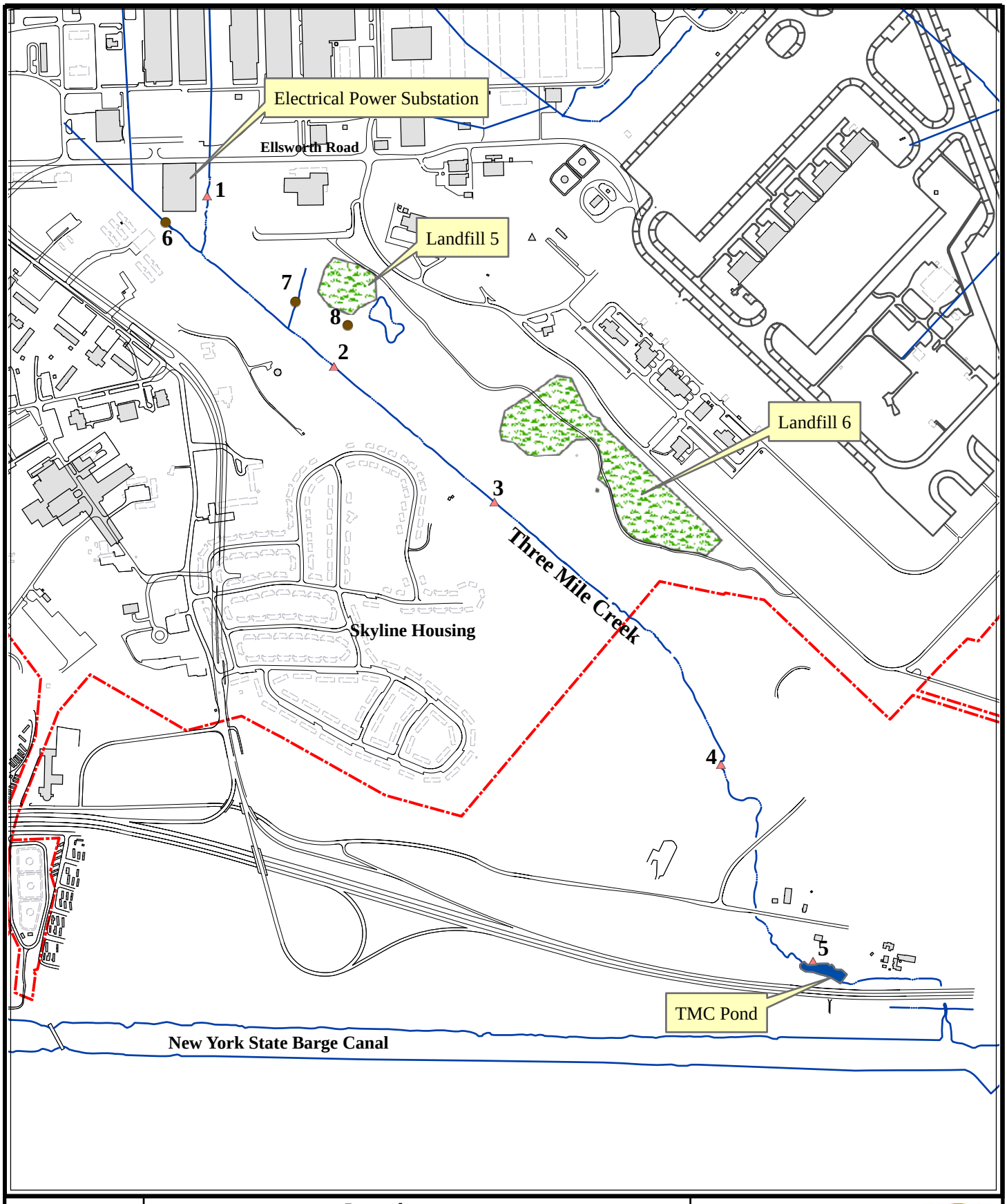
The TMC AOC is located in the southern part of the former Griffiss AFB. The topography is generally sloping towards the southeast. The creek receives greatly varying amounts of surface water runoff, both via the culverts as well as the watershed. The creek also receives more stable amounts of groundwater inflow from the culverts and along its stretch.

The creek receives both surface water runoff and groundwater from the surrounding watershed. Drainage is received from Landfills 5, and 6, the Electric Power Substation, and the south central portion of the Base including former floor drains, roads, and parking lots. TMC flows in a southeasterly direction and eventually flows into the NYS Barge Canal (about one mile south of the former Base).

3.3 Summary of Previous Investigations

Preliminary studies of TMC were performed in 1981, 1987, and 1988. Soil, sediment, surface water, groundwater, and fish tissue samples were collected. Numerous metals, PAHs, PCBs, and pesticides were detected in the streambed sediments and the fish tissue was contaminated with PCBs, some PAHs, and metals. The results of these studies led to the performance of a Remedial Investigation (RI) from 1993 through 1995.

The RI was performed to characterize the nature and extent of environmental contamination at the TMC AOC to determine whether remedial action was necessary to eliminate potential threats to human health and the environment from exposures that might arise under



Site Location

Legend

- Demolished Building
- Existing Building
- Landfill
- Surface Water
- Airfield/Road
- Air Force Boundary
- Suface Water/Sediment Sample Location
- Suface Water/Sediment/Fish/Benthic Sample Location

N

310 155 0 310 620
Feet

UNITED STATES AIR FORCE
FORMER GRIFFISS AIR FORCE BASE
ROME,NEW YORK

Figure 3-1
Three Mile Creek
Site Layout Map

FPM group

Y:\GIS_Projects\Griffiss\Projects\40-05-27\3-6_mile_creek\Three Mile Creek.mxd

existing or expected future site conditions. The RI included an aquatic survey, surface water sampling, sediment sampling, and fish tissue sampling. The aquatic survey was used to evaluate creek habitat, water quality, benthic and drift macroinvertebrate communities, and fish populations within four 100-meter segments of the on-base part of the creek (one near the Electrical Power Substation, one near Landfill 5, one near the Thor Street residential area, and one further downstream just inside the base boundary). At approximately the same locations, sediment samples were collected for toxicity testing and fish samples were collected for pesticides, PCBs, and metals analyses. Results from the sediment toxicity tests performed as part of the aquatic survey indicated that chemicals were not present at levels acutely toxic to aquatic life. A slight impairment of benthic macroinvertebrate populations was noted at the locations near Landfill 5 and near the base boundary. The fish population assessment indicated that fish communities were in poor to fair condition which could be due to site contaminants and, in part, to the lack of quality habitat. The results of the fish tissue analysis indicated the presence of PCBs, pesticides, and mercury at levels exceeding NYSDEC ecological risk guidelines for protection of piscivorous wildlife.

Surface water samples were collected from 12 locations along TMC and analyzed for VOCs, SVOCs, PCBs, pesticides, metals, glycols, radionuclides and water quality parameters. One VOC, 15 SVOCs, four pesticides, and seven metals were detected at concentrations above the most stringent criteria for surface water. Sediment samples were collected at two depths below the surface water/sediment interface (0.5 ft. and 1.0 ft.) from 15 locations, including the 12 locations along TMC and three locations along the drainage ditch near Landfill 5. The samples were analyzed for VOCs, SVOCs, pesticides, herbicides, PCBs, dioxins, metals, and radionuclides. Three VOCs, 22 SVOCs, 18 pesticides, dioxin, and ten metals were detected at concentrations above the most stringent criteria for sediment.

In 1995, NYSDEC performed passive in situ concentration/extraction sampling (PISCES) at one location in TMC to test for PCBs and other organochlorines. PCBs and DDE were detected. Naturally occurring conditions such as below average rainfall and low flow in the stream may have affected the ability of PISCES to detect contaminants.

In 1997, for a separate investigation of PCB contamination associated with Landfill 5, sediment samples were collected at two depth intervals (0 to 0.5 ft. and 1 to 1.5 ft.) from seven locations in the Landfill 5 tributary to TMC. PCBs were detected at concentrations above the most stringent criteria.

In June 1997, as part of a basewide SI, three PISCES samples and two surface water samples were collected from TMC for pesticide and PCB analysis. Pesticides were detected in two of the PISCES samples. No contaminants were detected in the surface water.

In July 1998, additional SI samples were taken from the off-base portion of TMC to fill data gaps that had been identified in the RI sampling. These included two surface water samples and

eight sediment samples. Four metals were detected in surface water samples above the most stringent criteria. Concentrations of 18 SVOCs, DDD, PCB 1260, and five metals detected in sediment were above the most stringent criteria.

A visual inspection of the habitat quality of TMC was conducted in 1999, by the Air Force, USACE, NYSDEC, EPA, and US Fish and Wildlife Service to gain a better understanding of creek conditions and the impact of potential remedial actions. In the same year, for the TMC feasibility study (FS), sediment samples were collected from six locations in TMC pond (located off-base between NYS Routes 365 and 49) and analyzed for PCBs, cadmium, and lead. In 2001, the same six locations in the pond were vertically profiled to depths of 3.5 feet below creek bottom to determine the vertical extent of sediment contamination and the appropriate depth for sediment remediation. Twelve additional samples were collected, two samples per location. PCBs, cadmium, and lead were all detected at concentrations exceeding the most stringent criteria.

The 2001 FS investigation also included sampling along the on-base portion of the TMC channel and the Landfill 5 tributary in order to define the vertical and lateral extent of contamination to better determine the potential breadth and depth of sediment remediation in those areas. Samples of sediment and native soil (beneath sediment) were collected at selected locations from depth intervals of up to 3.5 feet. Five VOCs, 24 SVOCs, 15 pesticides, two PCBs, dioxins, and 10 metals were detected at concentrations exceeding the most stringent criteria. While many of the same chemicals were also detected in the native soil samples, the concentrations were not as great, and fewer exceeded the most stringent criteria (E&E, July 2002).

Cape Inc. performed a Remedial Action (RA) at TMC from summer 2004 to summer 2005. For the remedial action, excavation of contaminated sediments was conducted in the on-base and off-base portions of TMC. The TMC pond along with sixteen soil deposits was excavated to a depth of 3.5 ft bgs in the off-base portion of TMC. Approximately 5,940 cubic yards of sediment was excavated from the off-base portion of TMC. The main channel, north channel, and Landfill 5 tributary were excavated in the on-base portion of TMC. The design depths for the excavation ranged from 2.5 ft bgs to 4 ft bgs and approximately 29,427 cubic yards were excavated. FPM collected two soil samples on June 29, 2005 from the TMC pond backfill, which were analyzed for VOCs, SVOCs, PCBs, pesticides, and metals. The results indicated VOCs and metals detections, none of which exceeded NYS standards, as shown in Table 3-1.

The excavated area of the creek was restored and consisted of sediment backfill, the construction of several meanders throughout the length of the creek, and the distribution of logs across the banks of the main channel to provide wildlife habitat areas.

Table 3-1
Three Mile Creek Pond Backfill Soil Samples

Sample ID	Most Stringent Ecological Screening Value	TMCBF0101AA	TMCBF0201AA
Date of Collection		**6/29/2005**	**6/29/2005**
VOCs (µg/Kg)			
acetone	--	5.4 F	3.8 F
methylene chloride	--	6.2	9.2
Metals (mg/Kg)			
aluminum	--	2590	2240
arsenic	6	1.5 F	1.2 F
barium	--	7.2	6.7
beryllium	--	0.11 F	0.092 F
cadmium	5	U	0.082 F
calcium	--	788	542
chromium	26	2.6	2.2
cobalt	--	2.1	1.8
copper	16	6.1	5.3
iron	20,000	5370	4680
lead	31	1.3 F	1.1 F
magnesium	--	1160	977
manganese	460	196	168
nickel	16	4.7	4.1
potassium	--	462	415
thallium	--	U	0.66 F
vanadium	--	4	3.5
zinc	120	10.8	9.9

Notes:
F = The analyte was positively identified above the MDL, however the concentration was below the RL.
U = The analyte was analyzed for, but not detected.

3.4 Three Mile Creek LTM Plan

The LTM program for TMC was implemented after RA completion and site restoration at Three Mile Creek and after all RAs at sites potentially influencing TMC have been completed. The LTM sampling is performed during the late summer/early fall (August/October). At that time of the year, the fat content of the fish tissue is the highest and consequently the highest concentration of lipophilic contaminants can be expected to have accumulated in fish tissue. During the initial sampling round (Fall 2006), baseline information for sediment, surface water

and fish tissue contaminants was collected. A qualitative benthic macroinvertebrate community analysis was also performed at each fish sample location.

LTM Need - Exceedances were reported for VOCs, SVOCs, metals, pesticides, PCBs, and dioxins in sediment samples in the FS (E&E, January 1998) and the Final FS Addendum (E&E, July 2002). Fish tissue was reported to contain significant levels of metals, pesticides and PCBs. Table 3-2 summarizes the LTM sampling rationale for the TMC AOC. Sediment and surface water samples are collected annually and fish tissue samples are collected every three years.

Table 3-2
Three Mile Creek LTM Field Activities Rationale

Matrix	Analysis	Frequency	Rationale
Sediment/ Surface water	VOCs, SVOCs, metals, pesticides/ PCBs.	Annually [1]	Monitoring of the effectiveness of the RAs on potential source sites. Frequency based on relatively low flow regime and limited sediment transport.
Fish tissue	Pesticides/PCBs, cadmium and mercury, % lipid.	Every three years [2]	Monitoring of fish for pesticides/PCBs, and cadmium and mercury is proposed to identify potential bioaccumulation of contaminants of concern.
Benthic Invertebrate Organisms (Qualitative)	According to Bode et al. (September 1990) and Bode et al. (June 2002).	Every three years [2]	The quality of the benthic macroinvertebrate community in TMC will be evaluated applying NYSDEC approved protocols.

Notes:
[1] An annual frequency for sediment sampling is commensurate with the rate at which changes in sediment quality are expected; that is, given that the sources of contamination are remediated. Frequent changes in sediment quality are not expected. Surface water samples are planned for collection at the same rate as sediments.
[2] A three year frequency for fish tissue (or benthic macroinvertebrate organisms) analysis and qualitative benthic macroinvertebrate community evaluation is commensurate with recommendations from NYSDEC personnel. Sampling will commence the year after the remedial activities have been completed and preferable within the August-October timeframe.

LTM Objectives – Sampling of sediment, surface water, and fish tissue in TMC is recommended to achieve the following objectives:

- Establish first round sediment concentrations in the sampling round performed in the year following the completion of all RAs;
- Monitor and confirm the effectiveness of the RAs that have been or will have been

performed at potential sources of contamination (Landfill 5, and 6, and the Electrical Power Substation) and TMC itself; and

- Monitor the potential influx of contaminants from potential sources of contamination (i.e., early warning system).

LTM Extent – The focus of the sediment sampling is on detecting changes in the sediment quality through the potential influx of contamination from upstream sources and potential sources of contamination that have been remediated. Sediment surface samples are collected from 0 to 6 inches below top of sediment in order to monitor any influx of contamination effectively. To demonstrate the absence of COCs, annual monitoring for VOCs, SVOCs, metals, and pesticides/PCBs was initially recommended for both sediment and surface water (see Table 3-2). The annual sampling results was initially compared to the most stringent criterion or guidance value as described in Table 2-3b of the Final FS Addendum (E&E, July 2002) and to previous sampling results.

The eight sediment and surface water sampling locations (Figure 3-1) were chosen in consideration of results from previous investigations and following discussions with NYSDEC and EPA personnel. During sediment sampling, sediment deposition locations in the vicinity of the proposed locations were targeted for sample collection. Surface water samples are collected from the same location before the sediment samples are taken.

Fish tissue collection is performed in accordance with NYSDEC Guidelines (NYSDEC, October 2002). Tissue samples are collected at five of the eight sediment and surface water sampling locations to identify potential tissue contamination and potential accumulation of COCs. Electrofishing is the preferred method of fish collection from the 100-meter stretches of the creek as indicated in Figure 3-1. All fish are collected, sorted, measured, and weighted. Forty gram fish samples are collected as requested by the laboratory for all analyses combined. Qualitative benthic macroinvertebrate community analysis is also performed every three years at all five fish sample locations according to the protocols described in Bode et al., September 1990 and Bode et al., June 2002.

Fish samples are being collected every three years until the results of two subsequent rounds of sampling do not exceed the calculated NYSDOH and EPA Guidance Values for human health or the ecological risk level for piscivorous wildlife. For ecological evaluation, a bottom feeder (White sucker [*Catostomus commersoni*]) and an omnivorous species (Creek chub [*Semolitus atromaculatus*]) are targeted. For human health evaluation, a bottom feeder (white sucker) and a different predatory species (Trout [*Trutta sp.*]) are targeted.

The fish samples are analyzed for pesticides, PCBs, cadmium, mercury, and % lipid as described in Table 3-2. The samples are analyzed by the current laboratory under contract: Life Science Laboratories, Inc (Syracuse, NY). The sampling locations and analyses are tabulated in Table 3-3 and shown in Figure 3-1. The northings and eastings of the sampling locations are provided

in Table 3-4.

LTM Re-evaluation Criteria – The LTM plan will be re-evaluated every three years to assess the creek conditions. Proposed re-evaluation procedures follow:

- The sediment and surface water results from subsequent sampling events will be compared to baseline results established during the first sampling round and all applicable ARARs, Standards, Criteria, and Guidelines (SCGs), and remedial action goals. These annual results serve as general guidelines for changes in sediment quality as a result of releases to TMC. If the concentrations show an increasing trend, the Air Force, in consultation with the EPA and NYSDEC, will evaluate modifying the LTM network to identify potential causes of concentration increases,
- If, after consultation with the regulatory agencies, the monitoring results indicate that the goals of the program are not being attained, modifications to the remedy will be evaluated, and
- Alterations to the frequency and duration of the LTM plan may be sought by the Air Force at any time. In general, the basis for such requests is explained in the paragraph below.

Acceptable Limits on Decisions – Decisions will be made based on data collected in accordance with the FSP associated with this LTM WP (FPM, December 2003) and analyzed by the laboratory in accordance with the AFCEE QAPP (including associated USACE project-specific variances). The data will then be reviewed and validated based on an evaluation of the results in relation to the AFCEE QAPP (Version 4.0) in conjunction with the EPA National Functional Guidelines. The AFCEE QAPP specifies accuracy and precision objectives while the EPA National Functional Guidelines provides general data usability guidance.

The decision to discontinue sampling will be evaluated during three-year reviews provided that the following objectives are met:

A) All the RAs planned for sites that potentially impact TMC have been completed,
B) Levels of contaminants in fish meet values for protection of fish and wildlife and no fish advisories are in place, and
C) Concentrations in the sediment have stabilized at:

- levels below the NYS Guidance Values as described in Table 2-3b of the FS Addendum (E&E, July 2002); or
- levels indicative of background conditions; or
- other levels accepted/approved by NYSDEC and EPA.

Table 3-3
Three Mile Creek Sampling Locations and Analyses

Location Number	Location within Three Mile Creek	Detailed Location Description	Sample Matrix	No. of samples per location	Analyses performed per sample	Total No. of Analyses
1	Northern end of the northern fork of TMC (Three Mile Creek).	Appr. 100 ft south of the culvert on Ellsworth Road.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
			Fish Tissue	10 [2]	Fish suite [3]	40
2	Downstream of the Landfill 5 tributary.	Appr. 500 ft downstream of the Landfill 5 tributary in TMC.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
			Fish Tissue	10 [2]	Fish suite [3]	40
3	Downstream of Landfill 5.	Appr. 1500 ft upstream of the base boundary in TMC.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
			Fish Tissue	10 [2]	Fish suite [3]	40
4	Downstream of Base boundary.	Appr. 1500 ft downstream of the Base boundary in TMC.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
			Fish Tissue	10 [2]	Fish suite [3]	40
5	In the Three Mile Creek Pond.	Pond between Route 365 and Route 49.	Surface water	1	Full suite [1]	5
			Surface water	1	Full suite [1]	2
			Fish Tissue	10 [2]	Fish suite [3]	40

Notes:
[1] Full suite of analyses includes VOCs (SW 8260), SVOCs (SW 8270), metals (SW 6010B), pesticides (SW 8081) and PCBs (SW 8082).
[2] Fish samples will be collected from the largest specimens available. A combined number of ten samples will be collected from both the bottom feeder and predatory species, depending on availability. Fillet samples (5) analysis results are used for human evaluation. The offal samples (5) from the filleted fish are also analyzed so that results can be mathematically combined and used for ecological evaluation. If no fillets are available, 5 'whole fish' (beheaded and eviscerated) will be collected and its offal will be analyzed separately. If no fillets or whole fish are available, 10 composite samples will be collected.
[3] Fish suite of analyses includes pesticides/PCBs (SW8540C), cadmium and mercury (SW 6010B/ SW7470) and % lipid.

Table 3-3 (cont'd.)
Three Mile Creek Sampling Locations and Analyses

Location Number	Location within Three Mile Creek	Detailed Location Description	Sample Matrix	No. of samples per location	Analyses performed per sample	Total No. of Analyses
6	On the northern side of the southern fork of TMC.	Appr. 30 ft south of the culvert of Wright Drive.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
7	In Landfill 5 tributary.	Appr. 200 ft upstream of the confluence of the Landfill 5 tributary and TMC.	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5
8	In the wetland downgradient of Landfill 5.	The wetland adjacent to TMC (south of Landfill 5).	Sediment	1	Full suite [1]	5
			Surface water	1	Full suite [1]	5

Notes:
[1] Full suite of analyses includes VOCs (SW 8260), SVOCs (SW 8270), metals (SW 6010B), pesticides (SW 8081) and PCBs (SW 8082).

Table 3-4
Three Mile Creek Sampling Locations
Longitude and Latitude

Sample Location ID	Longitude (degrees, minutes, second)	Latitude (degrees, minutes, second)
1	75º 24' 42"	43º 13' 02"
2	75º 24' 29"	43º 12' 50"
3	75º 24' 13"	43º 12' 39"
4	75º 23' 50"	43º 12' 20"
5	75º 23' 41"	43º 12' 05"
6	75º 24' 46"	43º 13' 01"
7	75º 24' 33"	43º 12' 55"
8	75º 24' 28"	43º 12' 53"

Recommendations for LTM Optimization will be made after at least two sampling rounds have been completed (i.e. after two years for sediment and surface water and after six years for fish tissue and macroinvertebrates). Any change in the number of LTM sampling locations, the analyses performed at these sampling locations or sampling frequency will be subject to USEPA and NYSDEC approval.

This page is intentionally left blank.

4 LTM SAMPLING ROUNDS

Annual LTM sampling rounds are performed for sediment and surface water. Every three years, starting in fall 2006, fish samples were collected, and a qualitative benthic macroinvertebrate community evaluation was performed. In October 2007, only sediment and surface water samples were collected. Section 4.1 summarizes the surface water and sediment results from the October 2007 sampling round. All previous sampling round data from the fall 2006 sampling event is provided in the Fall 2006 Annual LTM Report for the Three Mile Creek AOC (FPM, October 2007).

4.1 Fall 2007 Sampling

4.1.1 Field Activities

All sediment and surface water sampling locations were sampled in October 2007 in accordance with the Final LTM work plan requirements (FPM, October 2004). Sediments and surface water were collected on October 18th, 2007. Daily CQCRs are attached in Appendix A.

4.1.2 Surface Water Results

Table 4-1 provides the surface water sampling results. The fall 2007 surface water sampling results were compared to fall 2006 surface water sampling results and the 1993/4 RI (if applicable). The validated lab results are attached in Appendix B and the raw lab data are attached in Appendix C.

VOCs were detected at all sampling locations. None of the VOC detections were above NYS Surface Water Standards.

SVOCs exceedances were reported at all the sampling locations except for locations 1 and 4. Sampling locations 2, 3, 5, 6, 7, and 8 contained one SVOC exceedance [bis(2-ethylhexyl) phthalate] and concentrations ranged from 0.660 F µg/L to 4.06 F µg/L. The NYS Surface Water Standard for bis(2-ethylhexyl)phthalate is 0.6 µg/L. The surface water sample from location 7 also contained a benzo(a)anthracene exceedance (0.570 F µg/L). The NYS Surface Water Standard for benzo(a)anthracene is 0.002 µg/L. The F data qualifier indicates that the analyte was positively identified above the MDL, but the concentration is below the RL. Benzo(a) anthracene and bis(2-ethylhexyl)phthalate were not detected in the 2006 sampling round at any of the sampling locations.

Metals exceedances were reported in the fall 2007 sampling results. Sodium exceedances were reported at all sampling locations except locations 7 and 8. Iron exceedances were reported at sampling locations 5, 7, and 8 and a manganese exceedance was reported at sampling location 7. Sampling locations 7 and 8 also showed a vanadium exceedances. Aluminum exceedances were

This page is intentionally left blank.

Table 4-21
Three Mile Creek 2007 Detected Surface Water Results

Sample Location		1			2			3			4		5		6			7		8	
Sample ID	NYS Surface Water Standards [1]	RI Results (TMCSW-2)	TMCSW0101AA	TMCSW0101BB	RI Results (TMCSW-8)	TMCSW0201AA	TMCSW0201BB	RI Results (TMCSW-10)	TMCSW0301AA	TMCSW0301BB	TMCSW0401AA	TMCSW0401BB	TMCSW0501AA	TMCSW0501BB	RI Results (TMCSW-4)	TMCSW0601AA	TMCSW0601BB	TMCSW0701AA	TMCSW0701BB	TMCSW0801AA	TMCSW0801BB
Date of Collection [2]		5/94 - 11/94	10/11/2006	10/18/2007	5/94 - 11/94	10/11/2006	10/18/2007	5/94 - 11/94	10/11/2006	10/18/2007	10/9/2006	10/18/2007	10/9/2006	10/18/2007	5/94 - 11/94	10/9/2006	10/18/2007	10/9/2006	10/18/2007	10/9/2006	10/18/2007
Sample Depth (ft bgs)		0-1			0-1			0-1			0-1		0-1		0-1			0-1		0-1	
VOCs (µg/L)																					
1,1,1-trichloroethane	5	0.17 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	U	U	U	U	0.170 F	0.220 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	20	0.19 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.16 J	U	U	0.057 J	0.200 F	0.210 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	U	U	1.98 F	U	1.53 F	1.94 F	U	1.46 F	1.49 F	U	1.39 F	U	2.36 F	U	U	U	1.71 F	2.27 F	2.24 F	3.17 F
benzene	1	U	U	U	0.49 J	0.190 F	0.580	0.23 J	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5	U	U	U	0.79	1.49	2.34	0.38 J	0.430 F	0.320 F	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.19 J	0.280 F	0.120 F	U	U	U	U	U	U	U	U	U	U	U	0.250 F	U	U	U	U	U
cis-1,2-dichloroethylene	--	U	0.130 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-cymene (p-isopropyltoluene)	--	0.39 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.880 F	0.400 F
trichloroethylene (TCE)	5	1.2	0.420 F	0.400 F	0.44 J	0.110 F	0.180 F	U	U	U	U	U	U	U	U	0.670 F	0.230 F	U	U	U	U
tetrachloroethylene (PCE)	5	0.07 J	U	U	U	U	U	U	U	U	U	U	U	U	0.12 J	U	U	U	U	U	U
SVOCs (µg/L)																					
anthracene	3.8	0.005 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U
benzo(a)anthracene	0.002	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.570 F	U	U
benzoic acid	--	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	11.2 F	U	U	U
benzyl alcohol	--	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	0.681 F	0.634 F	1.34 F	U
bis(2-ethylhexyl) phthalate	0.6	U	U	0.510 F	R	U	0.980 F	R	U	0.660 F	U	0.598 F	U	0.680 F	U	U	4.06 F	U	1.12 F	U	1.04 F
benzyl butyl phthalate	-	U	U	U	R	U	U	R	U	U	U	U	U	U	U	U	UJ	U	U	U	U
di-n-butyl phthalate	50	U	1.88 F	U	U	U	U	R	U	U	U	U	2.75 F	U	U	U	UJ	1.72 F	U	U	U
diethyl phthalate	--	U	U	U	U	U	U	R	U	U	U	U	U	U	U	U	UJ	U	U	U	U
dimethyl phthalate	--	0.047 J	U	U	R	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	U
fluoranthene	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.871 F	U	U
fluorene	0.54	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U
phenanthrene	5.0	0.11 J	U	U	R	U	U	R	U	U	U	U	U	U	0.12 J	U	U	U	UJ	U	U
phenol	1.0	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.606 F	U	U	U
pyrene	4.6	0.014 J	U	U	R	U	U	U	U	U	U	U	U	U	0.031 J	U	U	U	0.925 F	U	U
Metals (µg/L)																					
aluminum	2,000	U	106 F	U		111 F	U	U	188 F	50 F	74.4 F	61 F	233	83 F	U	79.0 F	U	890	7,700	11,100	4,900
antimony	3	U	U	U	U	U	1.6 F	U	U	U	U	U	1.60 F	U	0.017	U	U	U	U	U	2.1 F
arsenic	50	U	U	U	U	U	U	0.003	U	U	U	U	U	U	U	U	U	9.60 F	8.5 F	27.5 F	U
barium	1,000	U	54	59	0.032	56	55	0.095	194	210	166.0	190	162	180	U	51.5	47 F	137	200	103	53
beryllium	3	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.41 F	0.600 F	0.18 F
boron - total	1,000	U	31.6	U	U	37.0	U	U	33.7	U	27.2	U	31.1	U	U	26.1	U	150	U	19.1 B	U
cadmium	5	U	0.910 F	U	U	0.920 F	U	U	0.880 F	U	U	U	0.480 F	U	U	U	U	U	0.46 F	1.68 F	0.42 F
calcium	--	69.8	120,000	120,000	81.8	119,000	110,000	83	108,000	100,000	88,600	84,000	88,200	80,000	55	124,000	120,000	242,000	340,000	20,200	18,000
chromium	-[4]	U	5.81 F	U	U	6.51 F	U	U	6.95 F	1.9 F	2.96 F	1.9 F	4.81 F	1.7 F	U	3.50 F	1.5 F	5.16 F	16	15.4	4.8 F
cobalt	--	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7.40 F	U
copper	-[5]	U	U	U	U	2.7 F	U	U	1.8 F	U	1.8 F	U	U	U	U	U	U	5.29 F	56	31.4	19
iron	300	U	86.9 F	150 F	0.076	186 F	270	0.19	439	300	218	270	419	310	U	72.7 F	230	6,700	24,000	12,100	4,900
lead	-[6]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	280	18.2 F	12 F
magnesium	35,000	7.7	14,600	16,000	12.9	19,500	18,000	15.4	23,000	22,000	20,300	21,000	20,300	20,000	6	19,800	21,000	21,200	26,000	6,180	3,500
manganese	300	0.008	82.3	100	0	245	250	0.086	365	400	201	230	165	130	U	68.1	220	2,040	3,400	342	150
mercury	0.7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.093 F	0.097 F	0.069 F
molybdenum	--	0.16	U	U	0	U	U	U	U	U	U	U	U	U	U	U	U	5.76 F	150	U	3.8 F
nickel	-[7]	U	1.41 F	5.1 F	U	U	U	U	1.21 F	1.8 F	1.16 F	U	1.21 F	U	0.11	1.36 F	U	5.40 F	200	13.0 F	6.4 F
potassium	--	1.3	2,390	2,400	U	2,400	2,100	1.7	2,310	2,000	1,850	1,800.0	1,920	1,700	2	2,150	1,500	7,060	4800	15,300	7,700
sodium	20,000	26	148,000	160,000	37.2	107,000	110,000	40.6	91,100	86,000	71,300	68,000	71,200	64,000	14	120,000	100,000	31,700	11,000	459 F	710 F
strontium	--	0.14	U	U	0.18	U	U	0.38	U	U	U	U	U	U	U	U	U	U	U	U	U
thallium	8	U	9.86 F	U	U	11.1 F	U	U	9.77 F	U	U	U	U	U	U	U	U	U	U	6.28 F	U
vanadium	14	U	0.750 F	0.88 F	U	U	0.95 F	U	U	1.1 F	0.690 F	1.0 F	1.20 F	1.3 F	U	U	0.71 F	15.4	45	21.6	120
zinc	-[8]	U	8.46 F	44 F	U	11.5 F	52 B	0.016	13.8 F	64 B	10.1 F	67 B	7.58 F	55 B	0.014	12.0 F	47 B	32.4	210	93.7	99 B
PCBs (µg/L)																					
Aroclor 1260	0.09	NA	U	U	NA	U	U	NA	U	U	U	U	U	0.0170 F	NA	U	U	U	0.227 F	UJ	UM
Pesticides (µg/L)																					
gamma BHC (lindane)	0.05	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.0092 F	UM
alpha-chlordane	0.05	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.078 F	UM
gamma-chlordane	0.05	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.062 F	UM
p,p'-DDE	0.2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.034 F	UM
p,p'-DDT	0.2	U	U	U	U	U	U	U	U	U	U	U	U	U	0.094	U	U	U	U	0.0092 F	UM
dieldrin	0.004	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.029 F	0.020 F	UM
endrin aldehyde	5*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.014 F	UM
heptachlor	0.04	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.029 F	UM

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
NA - not analyzed
R - The data was rejected because QA/QC criteria were not met during the analysis
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
[1] - The NYS Surface Water Standard for the protection of aquatic life from chronic effects is used if available and if lower than the surface water standard.
[2] - The different analyses for the sample locations sampled in the 1993/4 RI were collected at different times between 5/1994 and 11/1994.
[5] - The standard is dependent on the pH of the water. The formula is e^ (1.005 [pH] - 4.869).
[4] - The NYS Surface Water Standard is dependent on the hardness of the water. The formula is (0.316) e ^ (0.819 [ln (ppm hardness)] + 3.7256).
[5] - The NYS Surface Water Standard is dependent on the hardness of the water. The formula is (0.96) e ^ (0.9422 [ln (ppm hardness)] - 1.7).
[6] - The NYS Surface Water Standard is dependent on the hardness of the water. The formula is (1.46203 - [ln (ppm hardness)]) e ^ (1.273 [ln (ppm hardness)] - 1.052).
[7] - The NYS Surface Water Standard is dependent on the hardness of the water. The formula is (0.998) e ^ (0.846 [ln (ppm hardness)] + 2.255).
[8] - The NYS Surface Water Standard is dependent on the hardness of the water. The formula is (0.978) e ^ (0.8473 [ln (ppm hardness)] + 0.884).
Indicates an exceedance of the NYS Surface Water Standards.

also reported at sampling locations 7 and 8. Many other metals were detected, but none exceeded the NYS Surface Water Standards. No PCBs were detected at any of the surface water sampling locations. Pesticides were only reported at location 7. Location 7 showed one pesticide detection (dieldrin), which was above the NYS Surface water Standards (Table 4-1). This sampling location is in the Three Mile Creek tributary north of Landfill 5. The water at this location is shallow and murky, which resulted in samples with suspended solids.

4.1.3 Sediments Results

Table 4-2 provides the sediment sampling results. Similar to the surface water results table, sediment sampling results were compared to sampling results from the fall 2006 sampling results and the 1993/4 RI.

VOC detections were reported at all sampling locations. No VOCs exceeded the most stringent ecological screening values. Sampling locations 2 and 7 had the greatest number of VOC detections.

SVOC detections were also reported at all sampling locations. Sampling location 7, with eight SVOC exceedances, was the only location to report SVOC exceedances with the greatest being benzo(a) anthracene at 480 F µg/L. The most stringent ecological screening value for benzo(a) anthracene is 261 µg/L.

Metals detections were reported at all sampling locations. Locations 7 and 8 were the only sampling locations to report metals exceedances. At Location 7 nickel and zinc were detected with concentrations of 19 mg/L and 120 mg/L, respectively. Nickel was detected at 25 mg/L at sampling location 8. The most stringent ecological screening value for nickel in sediment is 16.0 µg/Kg.

Sediment samples from location 2, 3, 4, 5, 6, and 7 showed PCBs exceedances. Aroclor 1248 was detected at location 6, only, with a concentration of 16.7 F µg/Kg and the most stringent ecological screening value for aroclor 1248 is 11.10 µg/Kg. The remaining locations reported aroclor 1260 exceedances ranging from 16.7 µg/Kg to 116 µg/Kg. The most stringent ecological screening value for aroclor 1260 is 5 µg/Kg.

Pesticide exceedances were reported at location 1, 2, 3, 4, and 5. Sampling locations 3 and 5 had the most pesticide exceedances (4 and 3, respectively). At Locations 1 and 2, dieldrin exceeded the most stringent ecological screening value of 0.02 µg/Kg with a detection of 0.56 F µg/Kg and 2.5 F µg/Kg, respectively. At Location 3, p,p'-DDD, p,p'-DDE, dieldrin, and heptachlor epoxide exceeded their respective most stringent ecological screening values. At Location 4, dieldrin and heptachlor epoxide were the exceedances. And lastly at Location 5, p,p'-DDD, dieldrin, and heptachlor epoxide exceeded the most stringent ecological screening values.

This page is intentionally left blank.

Table 4-2
Three Mile Creek 2007 Detected Sediment Results

Sample Location		1			2			3			4		5		6			7			8		
Sample ID	Most Stringent Ecological Screening Value	RI Results (TMCSD-2)	TMCSD0101AA	TMCSD0101BB	RI Results (TMCSD-8)	TMCSD0201AA	TMCSD0201BB	RI Results (TMCSD-10)	TMCSD0301AA	TMCSD0301BB	TMCSD0401AA	TMCSD0401BB	TMCSD0501AA	TMCSD0501BB	RI Results (TMCSD-4)	TMCSD0601AA	TMCSD0601BB	RI Results (LF5SD-3)	TMCSD0701AA	TMCSD0701BB	RI Results (LF5SD-5)	TMCSD0801AA	TMCSD0801BB
Date of Collection		5/17/1994	10/11/2006	10/18/2007	5/16/1994	10/11/2006	10/18/2007	5/15/1994	10/11/2006	10/18/2007	10/9/2006	10/18/2007	10/9/2006	10/18/2007	5/15/1994	10/9/2006	10/18/2007	5/15/1994	10/9/2006	10/18/2007	5/15/1994	10/9/2006	10/18/2007
Sample Depth (ft TOIC)		0-0.5			0-0.5			0-0.5			0-0.5		0-0.5		0-0.5			0-0.5			0-0.5		
VOCs (µg/Kg)																							
1,2,4-trimethylbenzene	--	U	U	0.650 F	U	U	1.60 F	U	U	0.976 F	4.04 F	0.930 F	3.08 F	0.819 F	U	0.743 F	1.00 F	U	0.752 F	2.10 F	U	U	1.59 F
1,2-dichlorobenzene	7900	U	U	U	U	U	0.625 F	U	0.831 F	U	3.63 F	U	2.43 F	0.599 F	U	U	U	U	0.483 F	2.81 F	U	U	U
1,3,5-trimethylbenzene	--	U	U	U	U	U	0.713 F	U	U	U	1.3 F	U	U	U	U	U	U	U	U	0.741 F	U	U	U
1,4-dichlorobenzene	628.8	U	U	U	U	U	1.94 F	U	U	U	2.71 F	U	0.868 F	U	U	U	U	U	0.615 F	1.53 F	U	U	U
2-butanone		U	U	3.75 F	U	4.75 F	5.32 F	U	U	U	66.9 F	U	322	13.3 F	U	U	6.73 F	U	9.85 F	8.71 F	U	U	3.42 F
acetone	--	U	U	20.1 F	U	253	20 F	U	11.4 F	11.2 F	230	U	140	53.1	U	U	30.0 F	U	43.4	39.5 F	260 J	U	17.5 F
benzene	1467.2	U	U	U	10 J	U	U	U	0.648 F	U	2.9	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	183.4	U	U	1.31 F	32	1.46 F	1.33 F	2 J	34 F	0.930 F	1.7	1.02 F	3.08	1.23 F	U	U	0.588 F	1 J	3.19	7.83	U	U	U
cis-1,2-dichloroethylene	--	U	U	U	U	U	U	U	5.94 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5500	U	U	U	U	U	U	U	U	U	0.713 F	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	--	U	U	U	U	U	U	U	U	U	40.4 F	U	3.08 F	U	U	0.743 F	U	U	7.52 F	U	U	U	U
methylene chloride	--	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 J	U	U
m,p-xylene	4820.8	U	U	0.682 F	U	U	0.932 F	U	U	0.651 F	1.65 F	0.588 F	U	U	U	0.539 F	U	U	U	0.729 F	U	U	U
p-cymene (p-isopropyltoluene)	--	U	U	U	U	U	U	U	U	U	2.68 F	U	1.3 F	U	U	U	U	U	U	U	U	8.85	U
toluene	2567.6	U	U	U	U	U	U	U	U	U	U	U	14	U	U	U	U	U	1.83 F	U	U	U	U
SVOCs (µg/Kg)																							
1,2-dichlorobenzene	7900	U	U	U	220 J	U	U	97 J	U	U	400 F	U	63 F	U	U	U	U	U	190 F	2100 F	U	U	U
1,2,4-trichlorobenzene	3400	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	48 F	U	U	U
1,3-dichlorobenzene	1600	U	U	U	U	U	U	U	U	U	77 F	U	U	U	U	U	U	U	U	34 F	U	U	U
1,4-dichlorobenzene	8500	U	U	U	200 J	U	U	U	U	U	1200 F	U	33 F	U	U	U	U	U	260 F	270 F	U	U	U
2-methylnaphthalene	65	5100 J	25 F	U	360 J	U	U	U	U	U	190 F	U	44 F	U	U	U	U	U	61 F	89 F	U	U	U
4-chlorophenyl phenyl ether	--	U	U	U	U	U	U	U	U	U	150 F	U	U	U	U	U	U	U	U	U	U	U	U
4-nitroaniline	500*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
acenaphthene	16	U	33 F	U	810 J	U	U	120 J	U	U	U	U	23 F	U	15 J	U	U	U	U	U	U	U	U
acenaphthylene	--	11000 J	U	U	230 J	U	U	82 J	U	U	220 F	U	110 F	U	9 J	U	U	U	U	U	U	U	U
anthracene	85	19000	75 F	U	1600	30 F	U	340 J	U	U	130 F	U	79 F	30 F	60 J	41 F	U	U	35 F	37 F	U	U	U
benzo(a)anthracene	261	51000	190 F	U	6300	84 F	U	1700	U	51 F	380 F	27 F	320 F	120 F	U	99 F	47 F	U	110 F	480 F	207 J	U	U
benzo(a)pyrene	370	35000	170 F	U	4600	75 F	U	1200	U	53 F	460 F	27 F	380 F	120 F	160 J	91 F	60 F	U	110 F	510 F	280 J	U	UM
benzo(b)fluoranthene	--	41000	250 F	U	5400	100 F	U	1700	U	79 F	940 F	39 F	550 F	190 F	190 J	140 F	100 F	140 J	160 F	770 F	690 J	U	UM
benzo(k)fluoranthene	240	28000	95 F	U	4700	37 F	U	920	U	31 F	320 F	U	180 F	82 F	99 J	47 F	51 F	72 J	75 F	370 F	U	U	UM
benzo(g,h,i)perylene	170	19000	60 F	U	1700	24 F	U	370 J	U	23 F	210 F	U	170 F	44 F	140 J	43 F	32 F	U	44 F	210 F	U	U	UM
benzyl alcohol	--	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	180 J	U	U	U	U	U
benzoic acid	--	U	U	U	U	U	U	U	U	U	U	U	U	U	5 J	U	U	4,200	U	U	U	U	U
bis(2-ethylhexyl) phthalate	10453.8	900 J	30 F	29 F	1000 J	26 F	47 F	U	U	77 F	U	60 F	U	63 F	540 J	190 F	390 F	1,300	52 F	260 F	U	U	140 F
benzyl butyl phthalate	50000	U	U	U	U	U	U	U	U	U	U	U	U	U	540 J	U	U	U	U	U	U	U	U
chrysene	340	43000	190 F	U	5300	81 F	U	1500	U	60 F	620 F	32 F	430 F	140 F	180 J	110 F	79 F	220 J	13 F	450 F	380 J	U	U
di-n-octyl phthalate	50000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	30 F	U	U	U	U	U	U
dibenz(a,h)anthracene	60	8700 J	22 F	U	970 J	U	U	U	U	U	80 F	U	52 F	U	U	U	U	U	U	71 F	U	U	UM
dibenzofuran	2000	10000 J	31 F	U	660 J	U	U	U	U	U	U	U	41 F	U	U	U	U	U	U	U	U	U	U
diethyl phthalate	7100	U	U	41 F	U	U	40 F	U	U	47 F	U	44 F	41 F	50 F	U	33 F	47 F	U	29 F	53 F	U	U	60 F
fluoranthene	600	84000	370 F	U	11000	150 F	U	2800	U	110 F	870 F	58 F	770 F	240 F	350 J	200 F	110 F	150 J	230 F	460 F	620 J	U	U
fluorene	35	12000 J	45 F	U	1000 J	U	U	200 J	U	U	120 F	U	68 F	U	U	U	U	U	U	U	U	U	U
indeno(1,2,3-c,d)pyrene	200	22000	50 F	U	2300	U	U	440 J	U	U	110 F	U	140 F	25 F	U	37 F	U	U	33 F	U	U	U	U
naphthalene	13000	15000 J	47 F	U	860 J	U	U	87 J	U	U	140 F	U	55 F	U	U	23 F	U	U	43 F	41 F	U	U	U
nitrobenzene	200*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
phenanthrene	240	91000	330 F	U	8500	110 F	U	1700	U	59 F	440 F	35 F	570 F	140 F	260 J	160 F	50 F	100 J	150 F	120 F	380 J	U	U
pyrene	490	89000	340 F	U	10000	130 F	U	2400	U	99 F	1400 J	52 F	750 F	240 F	430 J	180 F	140 F	270 J	230 F	610 F	850 J	U	U

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
1 - This value is the most stringent criterion for ecological endpoints derived from Table 2-3a in the Final Three Mile Creek Feasibility Study Addendum (E&E, July 2002).
2 - The most stringent criterion for metals have been derived from Table 2 in Technical Guidance for Screening Contaminated Sediments (NYSDEC, January 1999).
- - This analyte was not sampled for in the 1993/4 RI.
-- - No most stringent ecological screening value is known for this compound.
Indicates an exceedance of the Most Stringent Ecological Screening Value.

Table 4-2 (con'd.)
Three Mile Creek 2007 Detected Sediment Results

Sample Location		1			2			3			4		5		6			7			8		
Sample ID	**Most Stringent Ecological Screening Value**	**RI Results (TMCSD-2)**	**TMCSD0101AA**	**TMCSD0101BB**	**RI Results (TMCSD-8)**	**TMCSD0201AA**	**TMCSD0201BB**	**RI Results (TMCSD-10)**	**TMCSD0301AA**	**TMCSD0301BB**	**TMCSD0401AA**	**TMCSD0401BB**	**TMCSD0501AA**	**TMCSD0501BB**	**RI Results (TMCSD-4)**	**TMCSD0601AA**	**TMCSD0601BB**	**RI Results (LF5SD-3)**	**TMCSD0701AA**	**TMCSD0701BB**	**RI Results (LF5SD-5)**	**TMCSD0801AA**	**TMCSD0801BB**
Date of Collection		**5/17/1994**	**10/11/2006**	**10/18/2007**	**5/16/1994**	**10/11/2006**	**10/18/2007**	**5/15/1994**	**10/11/2006**	**10/18/2007**	**10/9/2006**	**10/18/2007**	**10/9/2006**	**10/18/2007**	**5/15/1994**	**10/9/2006**	**10/18/2007**	**5/15/1994**	**10/9/2006**	**10/18/2007**	**5/15/1994**	**10/9/2006**	**10/18/2007**
Sample Depth (ft TOIC)		**0-0.5**			**0-0.5**			**0-0.5**			**0-0.5**		**0-0.5**		**0-0.5**			**0-0.5**			**0-0.5**		
Metals (mg/Kg)																							
aluminum	--	1,930	3,900	4,100	54,330	2,700	2,900	3,030	2,100	3,600	4,800	2,500	11,000	3,600	1960 J	3,300	2,700	3,420	3,200	6,500	9,580	16,000	30,000
arsenic	6.0	5 J	2.9 F	3.0 F	26.7	1.7 F	1.1 F	6.20	1.4 F	2.0 F	9	2.1 F	13	2.1 F	1 J	1.9 F	1.0 F	U	2.3 F	5.7 F	12	1.9 F	4.7 F
barium	--	23.8	15.0	17.0	95.7	11	14	48.2	9.4	16	43	24	66	34	61.8	12	15	5.9	18	42	63	99	260
berylium	--	U	0.18 F	0.18 F	U	0.12 F	0.12 F	0.54	0.16 F	0.17 F	0.35 F	0.11 F	0.55 F	0.18 F	U	0.17 F	0.10 F	29	0.18 F	0.34 F	0.77 J	0.54 F	1.1 F
cadmium	0.6	1.7	0.44 F	U	7.7	0.22 F	U	1.6	0.23 F	0.30 F	6.5	0.44 F	6.6	0.53 F	U	0.24 F	0.044 F	U	0.44 F	0.23 F	1.29 J	0.19 F	0.095 F
calcium	--	20,100	5,600	720	14,600	2,700	4,000	19400	2,200	4,400	4,900	2,700	2,200	3,700	27400 J	3,400	5,800	9,850	1,100	62,000	11,500	1,700	5,100
chromium	26.0	21.2	5.6	4.9	65.8	4	4.0	25.2	3.7	5.3	32	4.8	21	6	9.0	5.3	5.0	6.7	4.8	12	11.2 J	19	38
cobalt	--	2.7	3.2	3.1	6.8	2.4	2.2	3.9	2.2	3.1	5.1	2.4	7.1	2.8	2.3	3.1	1.9	3.2	3.1	4.0	5.1 J	7.4	10
copper	16.0	52.5	42	10	67.6	6.8	7.3	11	3.8	10	26	5.4	30	13	11.7 J	9.3	8.8	10.6	7.5	9.8	71	10	15
iron	20,000	11,400	9,600	9,100	19,100	6,700	7,400	9,330	8,300	7,900	9,700	6,400	18,000	8,300	7,720	7,600	6,200	10,200	6,900	9,800	11,900	17,000	25,000
lead	31.0	94.6 J	7.1	1.9 F	206	2.5 F	1.9 F	36.5	1.8 F	5.5	55	8	44	9.0	59.8 J	3.5 F	4.1	39.6	4.4	7.6	106	7.2	15
magnesium	--	1,970	2,200	1,700	1,870	1,300	1,500	2,390	1,100	1,900	2,600	1,600	2,100	1,600	1,720	1,800	1,700	2,890	1,700	2,700	1,360	4,700	6,200
manganese	460.0	77.9	170	160	119	180	110	135	64	210	160	260	390	180	118	250	59	476	190	230	221	140	250
molybdenum	--	9.1	0.33 F	U	U	U	U	U	0.48 F	0.46 F	0.86 F	U	0.55 F	U	U	U	U	U	0.34 F	1.3 F	7.5 J	0.34 F	1.1 F
nickel	16.0	33.9	7.5	7.1	22.9	5.2	5.4	8.6	4.1	7.5	15	5.5	14	7.1	4.8 J	6.4	5.3	8.2	11	19	12.3 J	17	25
potassium	--	233	500	520	519	380	420	408	300	480	490	320	580	460	265 J	470	420	514	450	450	640	1,200	2,100
selenium	--	U	U	0.61 F	U	U	0.41 F	U	U	0.40 F	0.61 F	0.45 F	1.1 F	0.54 F	U	U	0.28 F	U	U	0.57 F	3.3 J	0.44 F	1.1 F
silver	1.0	U	U	U	6.8	U	U	1.8	U	U	0.81 F	U	0.57 F	U	U	U	U	U	U	U	U	U	U
sodium	--	206	67 F	44 F	448	41 F	31 F	260	24 F	42 F	48 F	27 F	60 F	56 F	209	50 F	34 F	357	44 F	71 F	77 J	38 F	57 F
vanadium	--	97.0	9.3	6.9	77.3	6.4	6.4	14.3	9.1	9.2	16	5.7	22	8.6	6.1 J	6.9	6.0	13.2	20	67	28.1	32	57
zinc	120.0	153 J	23	18	184	20	22	63.6	12	30	100	34	84	33	82.9	20	32	51.6	63	120	163	50	85
mercury	0.15	U	0.0249 F	0.006 F	0.4	0.00613 F	U	U	0.00677 F	0.012 F	0.0747 F	0.010 F	0.116 F	0.024 F	U	0.0149 F	0.0048 F	0.29	0.0180 F	0.035 F	0.446 J	0.0300 F	0.12 F
PCBs (µg/Kg)																							
Aroclor 1248	11.10 [3]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	16.7 F	U	U	U	U	U	U
Aroclor 1260	5	R	66.5	U	6,600	28.5 F	16.7	3400	U	38.1	570	67.1	111	116	U	8.75 F	U	7,500 J	115	101	U	U	U
Pesticides (µg/Kg)																							
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	R	U	U	U	U	U	U	U	U	U	U	0.22 F	U	U	U	U	U	UJ	U	U	U	U
beta BHC (Beta Hexachlorocyclohexane)	0.04	R	U	U	U	U	U	U	U	U	2.7 F	U	U	U	U	U	U	U	UJ	U	U	U	U
delta BHC (Delta Hexachlorocyclohexane)	0.04	R	U	U	U	U	U	U	U	U	16 F	U	0.97 F	U	U	U	U	U	UJ	U	U	U	U
gamma BHC (Lindane)	0.05	R	U	U	U	U	U	U	U	U	2 F	U	U	U	U	U	U	U	UJ	U	U	U	U
alpha-Chlordane	0.05	R	U	U	U	0.41 F	U	U	U	U	35 F	U	8.3 J	U	U	3.5 J	U	24 J	0.99 F	0.93 F	U	U	U
gamma-Chlordane	0.05	R	0.66 F	U	U	0.41 F	U	U	U	U	22 F	U	41 J	U	U	2.5 J	U	U	0.68 F	U	0.71 J	U	U
p,p'-DDD	2	R	5.8 F	U	U	2.8 F	2.9 F	U	0.28 F	2.8 F	59	4.5 J	10	5.5 J	U	0.78 F	2.1 F	U	3.9 F	3.8 F	13.5 J	U	U
p,p'-DDE	2	R	0.53 F	U	U	U	U	U	0.42 F	3.7 F	15	U	2 J	1.8 F	U	0.22 F	U	U	0.28 F	U	26	0.31 F	2 F
p,p'-DDT	1	R	25 F	UM	U	2.6 F	UM	U	0.68 F	U	81 J	UM	19 J	UM	U	1.8 F	UM	U	5.2 J	UM	7.07 J	U	UM
aldrin		R	13 F	U	U	2.8 F	U	U	U	1.0 F	U	U	U	U	U	U	U	U	UJ	U	U	U	U
dieldrin	0.02	R	U	0.56 F	U	U	2.5 F	U	0.51 F	6.5 F	56 J	6.8 J	12 J	13 J	U	1.6 F	3.3 F	U	4.8 J	6.5	U	U	U
endosulfan I		R	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.229 F	U	U	U	U
endosulfan II		R	12 F	0.40 F	U	2.2 F	U	U	0.2 F	U	57 F	3.9 F	11 J	U	U	1.1 F	U	U	4.3 F	6.4 J	U	U	0.45 F
endosulfan sulfate	--	R	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	0.54 F	U
endrin	3	R	4 F	U	U	U	1.1 F	U	U	U	7 F	U	4.2 J	U	U	0.83 F	U	U	1.7 F	U	U	0.29 F	U
endrin aldehyde	5*	R	8.8 F	U	U	1.7 F	U	U	U	U	39 J	U	0.92 J	U	U	U	U	U	3 F	U	U	U	U
heptachlor	0.04	R	U	U	U	U	U	U	U	U	2 F	U	U	U	U	U	U	U	UJ	U	U	U	U
heptachlor epoxide	0.03	R	0.79 J	U	U	0.63 F	U	U	U	0.48 F	110 J	0.75 F	2 F	2.4 J	U	0.83 F	U	U	0.68 F	1.3 F	U	U	U
methoxychlor	31.44	R	2.9 F	U	U	UJ	U	U	UJ	U	14 F	U	2.6 F	U	U	UJ	U	U	1.0 F	U	U	1.1 F	U

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
R - The data was rejected because QA/QC criteria were not met during the analysis.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
1 - This value is the most stringent criterion for ecological endpoints derived from Table 2-3a in the Final Three Mile Creek Feasibility Study Addendum (E&E, July 2002).
2 - The most stringent criterion for metals have been derived from Table 2 in Technical Guidance for Screening Contaminated Sediments (NYSDEC, January 1999).
- - This analyte was not sampled for in the 1993/4 RI.
-- - No most stringent ecological screening value is known for this compound.
Indicates an exceedance of the Most Stringent Ecological Screening Value.

4.1.4 Conclusions and LTM Optimization Recommendations

The TMC LTM is performed to determine the impacts of other sites on TMC as well as the effectiveness of the RA. The latest results tables from potential impact sites (Landfill 5 and Landfill 6) have also been included in Appendix F. The TMC Conclusions are discussed for each sample medium below.

4.1.4.1 Surface water

Fall 2007 surface water VOC and SVOC results indicate higher concentrations than the fall 2006 results at all of the sampling locations except for location 1. Metal detections decreased at all of the sampling locations. Pesticides decreased at location 8 and increased at location 7 and PCBs were not detected in any of the surface water samples.

Historical precipitation records show that the summer of 2006 experienced greater rain fall than the summer of 2007. In June and July 2006, approximately 14 inches of rain was recorded which was approximately 6 inches greater than the June and July 2007 rain total. It is believed that the VOC, SVOCs, and pesticides results in the 2006 sampling round were lower due to the higher dilution resulting from the greater precipitation. Annual surface water samples will continue to be collected at all locations to verify these trends.

4.1.4.2 Sediment

VOC results for sediment increased at locations 1, 2, and 6. These locations are closest to the culverts where storm water drains into the creek from Ellsworth Road and from parking lots east of the creek. VOC concentrations may have increased due to contaminated road/parking lot surface water runoff and the lower dilution factor as a result of the lower precipitation total in 2007.

SVOCs decreased at all locations except for locations 3 and 7. Surface water samples also indicated an increase in SVOC concentrations at these two locations. Metals concentrations increased at sampling locations 2, 3, 7, and 8 and decreased at locations 1, 4, 5, and 6. The locations showing increased metals concentrations are located near or immediately down stream of Landfill 5. After review of the groundwater data from the Landfill 5 LTM, it was shown that similar metals were detected in several Landfill 5 wells located near TMC and its tributaries. No trend could be identified in the Landfill 5 LTM metals results. The lower precipitation in 2007 vs. 2006 may have contributed to the higher SVOC and metals concentrations in 2007.

The number of pesticide exceedances decreased at locations 1, 2, 4, 5, 6, 7, and 8, but increased at location 3. The pesticide detections at location 3 are similar to pesticides detected at locations 1 and 2 and the increase may be attributed to down stream migration.

PCB detections increased at locations 3 and 5 and decreased at locations 1, 2, 4, and 7. PCBs were not detected at location 3 during the 2006 sampling round, however, PCBs were detected at this location during the Remedial Investigation sampling in 1994. The higher PCB concentrations at locations 3 and 5 may be attributed to the spatial variability of the sampling locations for the fall 2006 and fall 2007 sampling rounds. Aroclor 1248 was reported at location 6 during the fall 2007 sampling event; however, an aroclor 1260 exceedance was reported in the sediment sample taken from this location during the fall 2006 sampling event. Lab verification of the 2007 detection was performed and confirmed the aroclor 1248 detection.

Continued annual sediment sampling and review of adjacent LTM site results will be performed to verify any potential trends. Currently, two annual sampling rounds have been performed and this amount of data is too limited to make any optimization recommendations at this time. The future LTM sample network for TMC is shown in Table 4-3.

Table 4-3
Three Mile Creek Proposed Future LTM Sampling

Sampling Locations	Sampling Rationale	Sample Medium/ Target Analytes/ Method Numbers	Sampling Frequency	Evaluation Criteria/ Modification Justification
TMC-1 TMC-2 TMC-3 TMC-4 TMC-5	Upstream, northern fork Downstream of Landfill 5 tributary Downstream of Landfill 5, cross gradient of Landfill 6 Downstream of Base Boundary In TMC Pond	**Surface Water and Sediment** VOCs/SW8260, SVOCs/SW8270, Metals/SW6010, Pesticides/SW8081, PCBs/SW8082 **Fish** Cadmium/SW6010, Mercury/SW7471, Pesticides/SW8081, PCBs/SW8082, % lipid.	Annually for sediment and surface water. Every three years for fish and benthic macroinvertebrates.	Sediment and surface water are sampled annually to track COC concentrations. Fish and benthic macroinvertebrates are sampled every three years to track COC changes in fish tissues and benthic macroinvertebrates.
TMC-6 TMC-7 TMC-8	Upstream, southern fork Landfill 5 tributary Wetland adjacent to TMC and south of Landfill 5	**Surface Water and Sediment** VOCs/SW8260, SVOCs/SW8270, Metals/SW6010, Pesticides/SW8081, PCBs/SW8082	Annually for sediment and surface ater.	Sediment and surface water are sampled annually to track COC concentrations.

This page is intentionally left blank.

5 REFERENCES

Air Force Center for Environmental Excellence, Technical Services Quality Assurance Program, Quality Assurance Project Plan, Version 3.1, August 2001.

Bode, et al., Quality Assurance Work Plan for Biological Stream Monitoring in New York State, New York State Department of Environmental Conservation, Division of Water, June 2002.

Bode, et al., Biological Impairment Criteria for Flowing Water in New York State, New York State Department of Environmental Conservation, Division of Water, September 1990.

Ecology and Environment, Inc., Draft Feasibility Study for the Former Griffiss Air Force Base Three Mile Creek AOC, Griffiss Air Force Base, January 1998.

Ecology and Environment, Inc., Final Report for Supplemental Investigations of Areas of Concern, Griffiss Air Force Base, November 1998.

Ecology and Environment, Inc., Final Three Mile Creek Feasibility Study Addendum, Former Griffiss Air Force Base, Rome, New York, July 2002.

Ecology and Environment, Inc., Three Mile Creek Proposed Plan, Former Griffiss Air Force Base, Rome, New York, July 2003.

EPA, Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 1, Fish Sampling and Analysis, third edition, November 2000.

FPM Group Ltd., Fall 2006 Annual Long-Term Monitoring Report for Three Mile Creek Area of Concern at the former Griffiss Air Force Base, Revision 1.0, October 2007.

FPM Group Ltd., Draft Field Sampling Plan, Long-Term Monitoring Program, Revision 3.0, March 2005.

FPM Group Ltd., Draft Site Safety and Health Plan, Long-Term Monitoring Program, Revision 2.0, December 2003.

FPM Group, Ltd., Draft Report, AOC Long-Term Monitoring Baseline Study, Griffiss Air Force Base, Revision 1.0, July 2000.

FPM Group, Ltd., Fall 2006 Annual Long-Term Monitoring Report for Three Mile Creek, Revision 1.0, October 2007.

Law Engineering and Environmental Services, Inc., Draft Final Primary Report, Remedial Investigation at Griffiss Air Force Base, New York, December 1996.

Newell, A.J., Johnson, D.W., and Allen, L.K., 1987, Niagara River Project: Fish flesh criteria for piscivorous wildlife: New York State Department of Environmental Conservation, Technical Report 87-3.

New York National Heritage Program, 1993 Inventory of Rare Plant Species and Significant Natural Communities, January 1994.

NYSDEC, Draft Procedures for Collection and Preparation of Aquatic Biota for Contaminants Analysis, Division of Fish, Wildlife & Marine Resources, Bureau of Habitat, October 2002.

Appendix A

Daily Chemical Quality Control Reports

This page is intentionally left blank.

Daily Chemical Quality Control Report

Project/Delivery Order Number: F41624-03-D-8601-0027 Date: 10/18/07

Project Name/Site Number: Griffiss LTM sampling (Three Mile Creek).

Weather conditions: Temperature: 71 Barometric reading: 29.84
Wind direction and speed: south-southeast 0.8 mph.
Significant wind changes: none.

General description of tasks completed: Sediment and surface water sampling at Site Three Mile Creek (TMCFSS-1, -2, -3, -4, -5, TMCSS-6, -7, and -8).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: none.

Corrective actions taken or instructions obtained from AFCEE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No LSL courier.

DCQCR Prepared by: Niels van Hoesel, FOM Date: 22 October 2007

CQCC Signature: Cornelia van Hoesel Date: 10/24/07

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs)
	✓ Daily Health and Safety Meeting Form

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB/JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMCSW-13 (1) Well Diameter (**SDIAM**): 4

Date (**LOGDATE**): 10-18-07 Weather: Sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

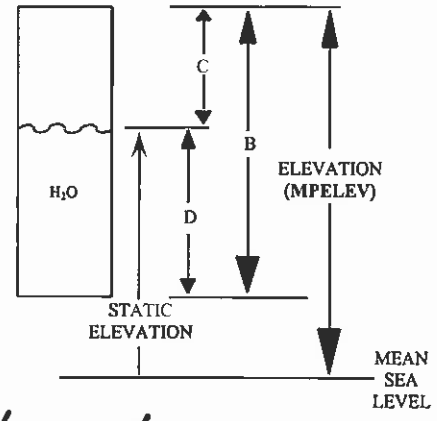
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25	6.99	0.15	15.5	0	10.01	250

Sample Time: 1130 Sample ID: TMCSW0101BB

1135 TMCSD0101BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB / JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMCSW-903(#2) Well Diameter (**SDIAM**): 4

Date (**LOGDATE**): 10-18-07 Weather: sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

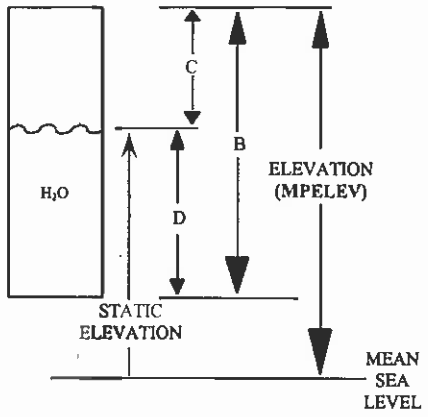
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25	7.16	0.12	16.7	50	10.92	226

Sample Time: 1340 Sample ID: TMCSW0201BB

1345 TMCSD0201BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB/CJV

Location and Site Code (SITEID): TMC

Well No. (LOCID): TMCSW-902 (#3) Well Diameter (SDIAM): 4

Date (LOGDATE): 10-17-07 Weather: Sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

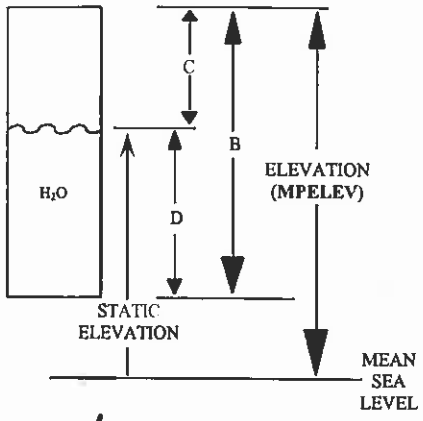
Measured Well Depth (B) (TOTDEPTH) _____ ft.

Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25		94	12.7	0	10.24	283

Sample Time: 1015 Sample ID: TMCSW0301BB

1020 TMCSD0301BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB / JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMCFSS-4 Well Diameter (**SDIAM**): 4

Date (**LOGDATE**): 10-18-07 Weather: sun / 50

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

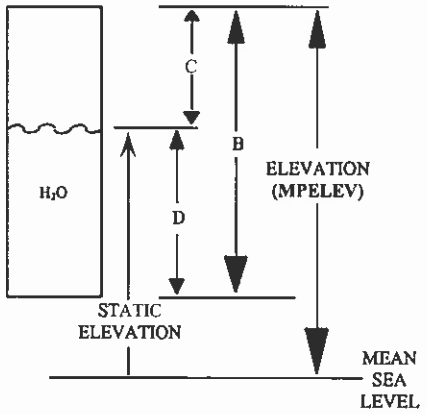
Measured Well Depth (B) (TOTDEPTH) _____ ft.

Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: grab / 10-18-07

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25	5.74	53	12.2	0	10.32	278

Sample Time: 0940 / 0945 Sample ID: TMCSW0401BB / TMCSD0401BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-29 Sampled by: DB / JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMCFSS-5 Well Diameter (**SDIAM**): X

Date (**LOGDATE**): 10-18-07 Weather: sun / 50

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

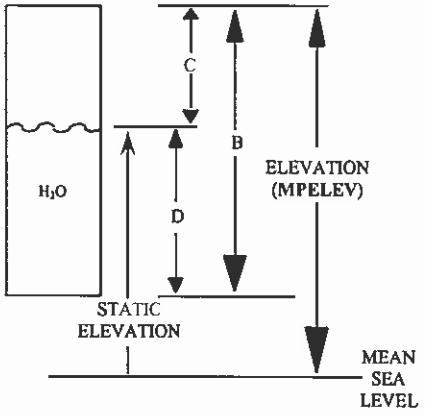
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: clear

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
0909	0.25	5.47	94	13.1	27	10.99	259

Sample Time: 0910 Sample ID: TMCSW0501BB

0915 TMCSD0501BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB / JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMCSW-14(b) Well Diameter (**SDIAM**): 4

Date (**LOGDATE**): 10-18-07 Weather: sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

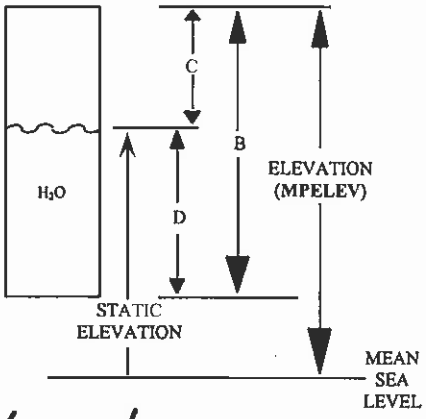
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: grab / 10-18-07

Physical Appearance/Comments: murky / no odor

slight sheen to clear

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ±5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25	6.61	0.13	14.6	0	7.94	267

Sample Time: 1100 Sample ID: TMCSW0601BB

1105 TMCSD0601BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB / JW

Location and Site Code (**SITEID**): TMC

Well No. (**LOCID**): TMC55-7 Well Diameter (**SDIAM**): X

Date (**LOGDATE**): 10-18-07 Weather: sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

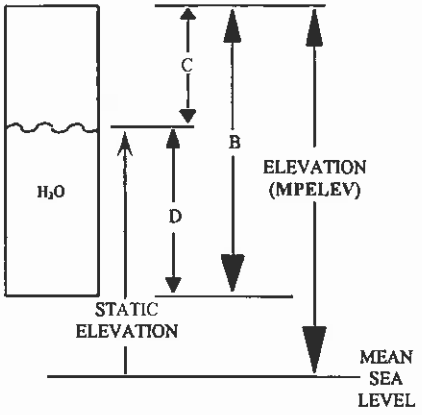
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: silty / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
	0.25	7.69	0.12	16.4	390	8.14	225

Sample Time: 1400 Sample ID: TMCSW0701BB

1405 TMCSD0701 BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 40-05-27 Sampled by: DB / JW

Location and Site Code (SITEID): TMC

Well No. (LOCID): TMCESS-8 Well Diameter (SDIAM): 4

Date (LOGDATE): 10-18-07 Weather: sun / 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

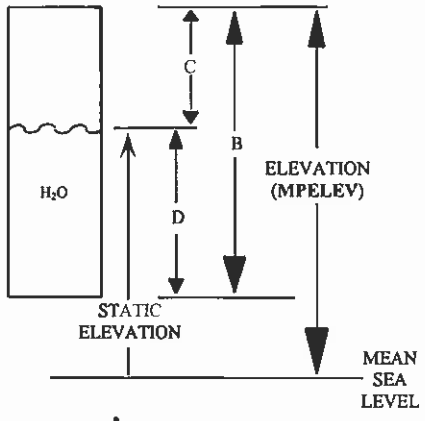
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 10-18-07

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
		8.00	18	15.2	>999	5.29	211

Sample Time: 1310 Sample ID: TMCSW0801BB

1315 TMCSD0801BB

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

Equipment Calibration Log

Instrument Name: Horiba

Model Number: #2

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
9-11	4.00	4.00			
9-12	4.00	4.00			
9-13	4.00	4.00			
9-17	4.00	4.00			
9-18	4.00	4.00			
9-20	4.00	3.99			
9-24	4.00	3.99			
9-25	4.00	3.86	4.00	3.99	
9-26	4.00	3.99			
9-27	4.00	3.99			
9-28	4.00	4.00			
10-1	4.00	3.99			
10-16	4.00	4.00			
10-17	4.00	4.00			
10/18	4.00	4.00			

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2006	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL Vials (HCl)	SVOCs note 2 1 L amber bottle	PCBs note 3 1 L amber bottle	Pesticides note 4 1 L amber bottle	Metals note 5 250 mL poly bottle HNO3	Comments
TMCSW0101BB	TMCSW-13	10/18	1130	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0201BB	TMCSW-903	10/18	1340	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0301BB	TMCSW-902	10/18	1015	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0401BB	RV-TMCFSS-4	10/18	0940	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0501BB	RV-TMCFSS-5	10/18	0910	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0601BB	TMCSW-14	10/18	1100	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0701BB	RV-TMCSS-7	10/18	1400	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0801BB	RV-TMCSS-8	10/18	1310	WS	G	N	0/0	8	3	2	1	1	1	
101807BE	FIELDQC	10/18	0830	WQ	G	EB	0/0	8	3	2	1	1	1	
101807BF	FIELDQC	10/18	1145	WQ	NA	AB	0/0	3	3	-	-	-	-	
101807BR	FIELDQC	10/18	0820	WQ	NA	TB	0/0	3	3	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.
Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List.
Note 3: PCBs: Method SW8082 for AFCEE QAPP 4.0 List.
Note 4: Pesticides: Method SW8081 for AFCEE QAPP 4.0 List
Note 5: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1200	Company Name:	Time: 855	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2007	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	VOCs note 1 40 mL vial	SVOCs, PCBs, Pest., metals mercury note 2 8 oz glass jar	Comments
TMCSD0101BB	TMCSW-13	10/18	1135	SE	G	N	0/0	5	1	3	1	Vial 678: 5 3gr., Vial 679: 5.6gr., Vial 680: 5.0gr.
TMCSD0201BB	TMCSW-903	10/18	1345	SE	G	N	0/0	5	1	3	1	Vial 687: 5 4gr., Vial 688: 5.1gr., Vial 689: 5.2gr.
TMCSD0301BB	TMCSW-902	10/18	1020	SE	G	N	0/0	5	1	3	1	Vial 675: 5 0gr., Vial 676: 5.6gr., Vial 677: 5.9gr.
TMCSD0401BB	RV-TMCFSS-4	10/18	0945	SE	G	N	0/0	5	1	3	1	Vial 672: 5 3gr., Vial 673: 5.1gr., Vial 674: 5.0gr.
TMCSD0501BB	RV-TMCFSS-5	10/18	0915	SE	G	N	0/0	5	1	3	1	Vial 693: 5 5gr., Vial 694: 5.5gr., Vial 695: 6.2gr.
TMCSD0601BB	TMCSW-14	10/18	1105	SE	G	N	0/0	5	1	3	1	Vial 684: 5 4gr., Vial 685: 5.2gr., Vial 686: 5.0gr.
TMCSD0701BB	RV-TMCSS-7	10/18	1405	SE	G	N	0/0	5	1	3	1	Vial 690: 5 3gr., Vial 691: 5.2gr., Vial 692: 5.0gr.
TMCSD0801BB	RV-TMCSS-8	10/18	1315	SE	G	N	0/0	5	1	3	1	Vial 681: 5 1gr., Vial 682: 5.0gr., Vial 683: 5.2gr.

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.

Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List, PCBs: Method SW8082 for AFCEE QAPP 4.0 List, Pesticides: Method SW8081 for AFCEE QAPP 4.0 List.

Note 3: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1200	Company Name: LSL	Time: 857	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Daily Health and Safety Meeting Form

Date: 10/18/07 *Time :* 08:00

Location: FPM office (garage)

Weather Conditions: 70's sunny

Meeting Type: Daily Health and Safety

Personnel Present:

Daniel Baldyga Josh Wenzel

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

~~None~~ slip trip fall sunburn

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

— None

Property Damage:

—

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Niels van Hoesel

SSHP Organization Title: Site Safety and Health Officer

Appendix B

Validated Data

This page is intentionally left blank.

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB LTM Annual Sampling
Sediment Sampling
Contract No. F41624-03-D-8601

FPM Project No. 40-05-27

LSL Job # 0710130

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Sediment
Number of Samples:	8
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	October 18, 2007

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
TMCSD0101BB	10/18/07		
TMCSD0201BB	10/18/07		
TMCSD0301BB	10/18/07		
TMCSD0401BB	10/18/07		
TMCSD0501BB	10/18/07		
TMCSD0601BB	10/18/07		
TMCSD0701BB	10/18/07		
TMCSD0801BB	10/18/07		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

BB – Primary environmental samples

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the soil sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Semivolatile Organic Compounds by Method SW8270, Pesticides by Method SW8081, Polychlorinated Biphenyls (PCBs) by Method SW8082, Metals by Method SW6010 and Mercury by Method SW7471.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

No problems were encountered with sample labeling and transcription to laboratory forms. However, pesticides were not requested on the chain of custody but were noted in the "notes" section. Also in the "notes" section was mention of boron to be included in the metals analysis. The laboratory confirmed that pesticides analysis was indeed requested, and that boron would not be included in the metals analysis.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

MS/MSD

For metals and mercury, the lab performed matrix spike and matrix spike duplicate samples for parent sample TMCSD0101BB. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- The soils were analyzed for VOCs relative to the method's 5.0-g sample size. Thus, the following samples were analyzed at the following dilutions:

Sample ID	Dilution
TMCSD0401BB	0.85
TMCSD0501BB	0.73
TMCSD0601BB	0.85
TMCSD0701BB	0.87
TMCSD0801BB	0.87
TMCSD0101BB	0.89
TMCSD0201BB	0.84
TMCSD0301BB	0.89

- According to the case narrative, in the following continuing calibration verification (CCV), analytes marginally exceeded the upper control limit and were not detected above the detection limit in associated samples:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-11744				
Acetone	***22.2***	±20	None	Per AFCEE-approved variance (up to ±30%)
1, 1-Dichloroethene	***25.0***	±20	UJ	%Rec < lower control limit, all associated results ND, compound is not a parameter of concern

Corrective Action: For acetone, no corrective action was taken since the exceedance is permitted per an AFCEE-approved variance which states that if the standard exhibits a response for the analyte above the acceptance limit and the associated field sample results are non-detect, then no qualification and/or corrective action is necessary. For 1,1-dichloroethene, "UJ" flags were applied, since the associated results were non-detect. No further corrective action was performed since 1,1-dichloroethene is not considered a site-specific compound of concern.

SVOCs

- Internal Standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. Per the AFCEE QAPP, for Methods 8260/8270 the internal standard area count must not vary by more than -50% to +100% from the associated continuing calibration standard. Also, per the QAPP, for Methods 8260/8270 the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If these criteria are exceeded, the QAPP requires a mandatory re-analysis of samples analyzed while the system was malfunctioning, and all results for analytes associated with the deficient IS are qualified ("Q"), unless a matrix effect can be verified, in which case an "M" qualifier is applied. In such circumstances, the EPA National Functional Guidelines for Organic Data Review provide the following guidance: If

the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated ("J"); no action is taken for non-detects if IS area is > 100%, and all non-detects are qualified as estimated ("UJ") if IS area is < 50%. Non-detects are qualified as "R" if there is a severe loss of sensitivity (< 25% of associated IS area counts). Also, if an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. **Proposed approach**: In this data verification, for data usability purposes, the data qualifiers will be applied following the EPA National Functional Guidance [estimate ("J") for positives if area count is outside of allowed -50% to +100% range, no action for non-detects if IS area > 100%, estimate ("UJ") for non-detects if IS area < 50%, reject ("R") for non-detects if IS area is < 75%, and use professional judgment if retention time varies by more than 30 seconds].

The following are the assessment results for the "internal standards performance" criterion (the Sample ID and IS area counts are listed) for samples exhibiting exceedance (***bold italic***) [no retention time exceedances were encountered during this sampling round and NOTE: Samples with no exceedances are not listed below]:

Sample ID	Internal Standard	Area Count	AFCEE QC Limits (± %)	Flag Applied	Rationale
TMCSD0601BB	Perylene-d12	***236829***	339818-1350272	M	Matrix effect verified
TMCSD0601BB (1:10 dilution)	Perylene-d12	518526	339818-1350272	R	Original results used; dilution performed to verify matrix effect
TMCSD0701BB	Perylene-d12	***217260***	339818-1350272	M	Matrix effect verified
TMCSD0701BB (1:10 dilution)	Perylene-d12	468793	339818-1350272	R	Original results used; dilution performed to verify matrix effect
TMCSD0801BB	Perylene-d12	***185744***	339818-1350272	M	Matrix effect verified
TMCSD0801BB (1:10 dilution)	Perylene-d12	446662	339818-1350272	R	Original results used; dilution performed to verify matrix effect

Corrective Action: Samples TMCSD0601BB, TMCSD0701BB, and TMCSD0801BB each had an exceedance below the lower control limit for internal standard perylene-d12. The samples were reanalyzed at a dilution of 1:10, and the internal standard area count was within AFCEE QC limits. A matrix effect was thus verified and an "M" qualifier was applied to associated results in the original sample (dilution results were *not* used). However, "F" qualifiers were retained when the results were between the MDL and RL,

since, according to the AFCEE QAPP, *all* results between the MDL and RL should be flagged "F."

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSD0801BB (1:1)	Terphenyl-d14	***124***	32-120	None	%Rec greater than upper control limit; all results less than RL
TMCSD0801AA (1:10 dilution)	Terphenyl-d14	102	32-120	R	Dilution performed to verify matrix effect

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, sample TMCSD0801BB was reanalyzed at dilution to verify matrix interference; re-extraction was not performed. The original results shall be used, but the results considered estimated (note the sample also indicated an exceedance for internal standard recovery). In accordance with the qualifiers as discussed above for surrogate exceedances above the upper control limit, "J" flags for positive results would be applicable, with no qualifiers for non-detect results. Note that for sample TMCSD0801BB, all results were below the RL, so no "J" flags were applied. However, "F" qualifiers were retained when the results were between the MDL and RL, since, according to the AFCEE QAPP, *all* results between the MDL and RL should be flagged "F."

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # 0710130: LCS/LCSD-6458				
LCS: 4-Chloroaniline	***23***	25-125	None	%Rec within marginal exceedance limits (0-

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LCSD: 4-Chloroaniline	***24***			125) and parameters of approved variance

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.

Corrective Action: In accordance with the case narrative, no corrective action was required since %Rec was within marginal exceedance limits.

PESTICIDES

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSD0801BB, ICAL 710 (Column RTXCLP)	Tetrachloro-m-xylene	***68***	69-124	J/UJ	%Rec less than lower control limit but greater than 10%
TMCSD0801BB, ICAL 710 (Column RTXCLP2)	Tetrachloro-m-xylene	89	69-124	None	%Rec within AFCEE QAPP QC limits

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, no corrective action was performed since the sample on the second column had surrogate recoveries within limits. The original results shall be flagged in accordance with the qualifiers as discussed above.

- According to the case narrative, a continuing calibration verification (CCV) was within Method 8081A acceptance criteria (i.e., the average CCV was less than 15%). However, the CCV exceeded the AFCEE QAPP limits, (i.e., individual compounds' %D must not exceed ±20%) for the following compounds:

Type of Calibration Exceedance Affected Analytes	%D	AFCEE QC Limit	Flag Applied	Samples Affected
Pesticides, Continuing Calibration Verification INDAB-3, 10/30, 13:50, Column RTXCLP2				
Methoxychlor	***25***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/30, 18:26, Column RTXCLP2				
Methoxychlor	***27***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/30, 23:24, Column RTXCLP2				
Methoxychlor	***39***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/31, 03:59, Column RTXCLP2				
Methoxychlor	***38***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/31, 08:58, Column RTXCLP2				
Methoxychlor	***40***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/31, 13:34, Column RTXCLP				
4,4'-DDT	***21***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 10/31, 13:34, Column RTXCLP2				
Methoxychlor	***30***	±20	R	Samples reanalyzed 11/16/07
Pesticides, Continuing Calibration Verification INDAB-3, 11/16, 06:02, Column RTXCLP				
4,4'-DDT	***22***	±20	UM	TMCSD0101BB, TMCSD0201BB, TMCSD0301BB, TMCSD0401BB, TMCSD0501BB, TMCSD0601BB, TMCSD0701BB, TMCSD0801BB
Pesticides, Continuing Calibration Verification INDAB-3, 11/16, 06:02, Column RTXCLP2				
4,4'-DDT	***26***	±20	M/UM	None; all results for 4,4'-DDT used from column RTXCLP

Corrective Action: As required by the QAPP, the analytes outside of control limits were flagged "Q" by the laboratory or all samples associated with the CCV. According to the case narrative, the samples were analyzed on 10/30 and 10/31 with excursions for both methoxychlor and 4,4-DDT. Reanalyses on 11/16 indicated exceedances for 4,4'-DDT only.

Similar excursions due to matrix effects were noted during the previous sampling round. Using professional judgment, considering that the exceedance was marginal (less than 30%), all associated results (which were all non-detect) are considered estimated with matrix effect (flagged "UM"). Only the results from the 11/16 analysis are considered usable.

- The AFCEE QAPP requires second column confirmation for organochlorine pesticides, with the exceptions of chlordane and toxaphene. The QAPP specifies that "J" flags are required for results with an RPD greater than 40%, and a "Q" flag for analytes whose detections were not confirmed. Using professional judgment, for the purposes of evaluating the "Q"-flagged results, a "theoretical" RPD was calculated by assuming that the second column result was detected at a level equal to the MDL. The following table lists RPD exceedances for analytes in field samples, along with the associated flags assigned and the rationale pertaining thereto:

Sample ID	**Analyte**	**First Column Result**	**Second Column Result**	**RPD**	**Flag**	**Rationale**
TMCSD0101BB	Endosulfan II	0.00040 F	0.00016 F	85.7	~~FJ~~ F	RPD > 40%, but MDL < result < RL
TMCSD0201BB	4,4'-DDD	0.0029 F	0.00020 F	174.2	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	Dieldrin	0.0025 F	0.0016 F	43.9	~~FJ~~ F	RPD > 40%, but MDL < result < RL
TMCSD0401BB	4,4'-DDD	0.0045	0.0011 F	121.4	J	RPD > 40%, result > RL
	Endosulfan II	0.0039 F	0.00037 F	165.3	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	Dieldrin	0.0068	0.0036 F	61.5	J	RPD > 40%, result > RL
TMCSD0501BB	4,4'-DDD	0.0055	0.0025 F	75.0	J	RPD > 40%, result > RL
	4,4'-DDE	0.0018 F	0.00062 F	97.5	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	Dieldrin	0.013	0.0085	41.9	J	RPD > 40%, result > RL
	Heptachlor epoxide	0.0024	0.0011 F	74.3	J	RPD > 40%, result > RL
TMCSD0601BB	4,4'-DDD	0.0021 F	0.00043 F	132.0	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	Dieldrin	0.0033 F	0.00021 F	176.1	~~FJ~~ F	RPD > 40%, but MDL < result < RL
TMCSD0701BB	alpha-Chlordane	0.00093 F	0.00042 F	75.6	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	4,4'-DDD	0.0038 F	0.0017 F	76.4	~~FJ~~ F	RPD > 40%, but MDL < result < RL
	Endosulfan II	0.0064	0.00035 F	179.3	J	RPD > 40%, result > RL
	Heptachlor epoxide	0.0013 F	0.00051 F	87.3	~~FJ~~ F	RPD > 40%, but MDL < result < RL
TMCSD0801BB	4,4'-DDE	0.0020 F	0.00030 F	147.8	~~FJ~~ F	RPD > 40%, but MDL < result < RL

Corrective Action: "J" and/or "Q" flags were applied by the laboratory as necessary. For "J"-flagged results, where both columns detected the analyte above the MDL, all "J" flags were retained. For "Q"-flagged results indicating that only one column detected the analyte above the MDL, the results were further evaluated using professional judgment: when the calculated theoretical RPD exceeded 40%, results were still considered usable, albeit estimated, and "J" qualifiers were assigned to the results; and if the RPD had been less than 40%, no flags would have been applied. However, "F" qualifiers were retained for both cases when the results were between the MDL and RL, since, according to the AFCEE QAPP, *all* results between the MDL and RL should be flagged "F."

PCBs

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # 0710130: LCS/LCSD-6440, Column 1112				
LCS: Arochlor-1016	***152***	40-130	None	%Rec greater than upper control limit; all results less than RL
LCSD: Arochlor-1016	***151***			
LCS: Arochlor-1260	***165***	40-130	None	%Rec greater than upper control limit; all results less than RL
LCSD: Arochlor-1260	***160***			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.

Corrective Action: In accordance with the case narrative, no corrective action was required since %Rec was within marginal exceedance limits.

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSD0801BB, ICAL 1112	Decachlorobiphenyl	***127***	58-125	None	%Rec greater than upper control limit, all results less than RL
Prep Blank MB-6440	Decachlorobiphenyl	***134***	58-125	None	%Rec greater than upper control limit, all results less than RL
LCS-6440	Decachlorobiphenyl	***144***	58-125	None	Samples associated with this LCS with positive results were re-extracted and re-analyzed
LCSD-6440	Decachlorobiphenyl	***144***	58-125	None	Samples associated with this LCS with positive results were re-extracted and re-analyzed

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: For sample TMCSD0801BB, no flags were applied since the %Rec was above the upper control limit and associated results were non-detect. For samples with positive results associated with LCS/LCSD-6440, the samples were re-extracted and reanalyzed. The surrogate recovery for the associated LCS/LCSD (LCS/LCSD-6500) were within AFCEE QC limits.

METALS

- There were no exceedances for the metals analysis.

MERCURY

- There were no exceedances for the mercury analysis.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

SVOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for SVOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

PESTICIDES

Based on the evaluation of all information in the analytical data groups, the results of the samples for pesticides are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

PCBs

Based on the evaluation of all information in the analytical data groups, the results of the samples for PCBs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

METALS

Based on the evaluation of all information in the analytical data groups, the results of the samples for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

MERCURY

Based on the evaluation of all information in the analytical data groups, the results of the samples for mercury are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 0710130 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 1/21/08

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Definition of AFCEE Data Qualifiers
- Definition of USEPA Data Qualifiers
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001C
TMCSD0201BB	0710130-002C
TMCSD0301BB	0710130-003C
TMCSD0401BB	0710130-004C
TMCSD0501BB	0710130-005C
TMCSD0601BB	0710130-006C
TMCSD0701BB	0710130-007C
TMCSD0801BB	0710130-008C

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci **Name:** Monika Santucci

Date: 12/20/07 **Title:** Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

(m+p)-Xylene	0.00014	0.00533	0.000682	0.89		F
1,1,1,2-Tetrachloroethane	0.00017	0.00320	0.00017	0.89		U
1,1,1-Trichloroethane	0.00015	0.00533	0.00015	0.89		U
1,1,2,2-Tetrachloroethane	0.00015	0.00320	0.00015	0.89		U
1,1,2-Trichloroethane	0.00027	0.00533	0.00027	0.89		U
1,1-Dichloroethane	0.00009	0.00533	0.00009	0.89		U
1,1-Dichloroethene	0.00016	0.00640	0.00016	0.89		~~UG~~ UJ
1,1-Dichloropropene	0.00020	0.00533	0.00020	0.89		U
1,2,3-Trichlorobenzene	0.00044	0.00533	0.00044	0.89		U
1,2,3-Trichloropropane	0.00025	0.00533	0.00025	0.89		U
1,2,4-Trichlorobenzene	0.00035	0.00533	0.00035	0.89		U
1,2,4-Trimethylbenzene	0.00006	0.00640	0.000650	0.89		F
1,2-Dibromo-3-chloropropane	0.00033	0.0107	0.00033	0.89		U
1,2-Dibromoethane	0.00009	0.00533	0.00009	0.89		U
1,2-Dichlorobenzene	0.00006	0.00533	0.00006	0.89		U
1,2-Dichloroethane	0.00012	0.00320	0.00012	0.89		U
1,2-Dichloropropane	0.00023	0.00533	0.00023	0.89		U
1,3,5-Trimethylbenzene	0.00009	0.00533	0.00009	0.89		U
1,3-Dichlorobenzene	0.00012	0.00640	0.00012	0.89		U
1,3-Dichloropropane	0.00010	0.00266	0.00010	0.89		U
1,4-Dichlorobenzene	0.00006	0.00266	0.00006	0.89		U
1-Chlorohexane	0.00017	0.00533	0.00017	0.89		U
2,2-Dichloropropane	0.00014	0.00533	0.00014	0.89		U
2-Butanone	0.00045	0.0213	0.00375	0.89		F
2-Chlorotoluene	0.00004	0.00533	0.00004	0.89		U
4-Chlorotoluene	0.00007	0.00533	0.00007	0.89		U
4-Methyl-2-pentanone	0.00034	0.0213	0.00034	0.89		U
Acetone	0.00032	0.0533	0.0201	0.89		F
Benzene	0.00005	0.00266	0.00005	0.89		U
Bromobenzene	0.00016	0.00533	0.00016	0.89		U
Bromochloromethane	0.00021	0.00533	0.00021	0.89		U
Bromodichloromethane	0.00006	0.00266	0.00006	0.89		U

Comments:

CWK 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

Bromoform	0.00018	0.00640	0.00018	0.89		U
Bromomethane	0.00014	0.0107	0.00014	0.89		U
Carbon tetrachloride	0.00013	0.00533	0.00013	0.89		U
Chlorobenzene	0.00007	0.00266	0.00131	0.89		F
Chloroethane	0.00027	0.00533	0.00027	0.89		U
Chloroform	0.00007	0.00266	0.00007	0.89		U
Chloromethane	0.00033	0.00533	0.00033	0.89		U
cis-1,2-Dichloroethene	0.00017	0.00533	0.00017	0.89		U
cis-1,3-Dichloropropene	0.00010	0.00320	0.00010	0.89		U
Dibromochloromethane	0.00007	0.00320	0.00007	0.89		U
Dibromomethane	0.00013	0.00533	0.00013	0.89		U
Dichlorodifluoromethane	0.00009	0.00533	0.00009	0.89		U
Ethylbenzene	0.00014	0.00533	0.00014	0.89		U
Hexachlorobutadiene	0.00041	0.00320	0.00041	0.89		U
Isopropylbenzene	0.00005	0.00533	0.00005	0.89		U
Methyl tert-butyl ether	0.00014	0.0213	0.00014	0.89		U
Methylene chloride	0.00064	0.00533	0.00064	0.89		U
n-Butylbenzene	0.00014	0.00533	0.00014	0.89		U
n-Propylbenzene	0.00003	0.00533	0.00003	0.89		U
Naphthalene	0.00022	0.00533	0.00022	0.89		U
o-Xylene	0.00018	0.00533	0.00018	0.89		U
p-Isopropyltoluene	0.00018	0.00640	0.00018	0.89		U
sec-Butylbenzene	0.00005	0.00533	0.00005	0.89		U
Styrene	0.00013	0.00533	0.00013	0.89		U
tert-Butylbenzene	0.00009	0.00533	0.00009	0.89		U
Tetrachloroethene	0.00012	0.00533	0.00012	0.89		U
Toluene	0.00005	0.00533	0.00005	0.89		U
trans-1,2-Dichloroethene	0.00013	0.00533	0.00013	0.89		U
trans-1,3-Dichloropropene	0.00016	0.00533	0.00016	0.89		U
Trichloroethene	0.00013	0.00533	0.00013	0.89		U
Trichlorofluoromethane	0.00009	0.00533	0.00009	0.89		U
Vinyl chloride	0.00014	0.00533	0.00014	0.89		U

Comments:

CWK 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00533	0.000682	0.89		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	88	52 - 149	
4-Bromofluorobenzene	90	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	101	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	608441	349446 - 1397785	
Chlorobenzene-d5	750478	392286 - 1569146	
Fluorobenzene	2092903	1095392 - 4381570	

1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

Analyte	LOD	LOQ	Concentration	Dilution	Comments	Qualifier
(m+p)-Xylene	0.00014	0.00548	0.000932	0.84		F
1,1,1,2-Tetrachloroethane	0.00018	0.00329	0.00018	0.84		U
1,1,1-Trichloroethane	0.00015	0.00548	0.00015	0.84		U
1,1,2,2-Tetrachloroethane	0.00015	0.00329	0.00015	0.84		U
1,1,2-Trichloroethane	0.00027	0.00548	0.00027	0.84		U
1,1-Dichloroethane	0.00009	0.00548	0.00009	0.84		U
1,1-Dichloroethene	0.00016	0.00658	0.00016	0.84		~~UF~~ UJ
1,1-Dichloropropene	0.00021	0.00548	0.00021	0.84		U
1,2,3-Trichlorobenzene	0.00045	0.00548	0.00045	0.84		U
1,2,3-Trichloropropane	0.00025	0.00548	0.00025	0.84		U
1,2,4-Trichlorobenzene	0.00036	0.00548	0.00036	0.84		U
1,2,4-Trimethylbenzene	0.00007	0.00658	0.00160	0.84		F
1,2-Dibromo-3-chloropropane	0.00034	0.0110	0.00034	0.84		U
1,2-Dibromoethane	0.00009	0.00548	0.00009	0.84		U
1,2-Dichlorobenzene	0.00007	0.00548	0.000625	0.84		F
1,2-Dichloroethane	0.00012	0.00329	0.00012	0.84		U
1,2-Dichloropropane	0.00024	0.00548	0.00024	0.84		U
1,3,5-Trimethylbenzene	0.00009	0.00548	0.000713	0.84		F
1,3-Dichlorobenzene	0.00012	0.00658	0.00012	0.84		U
1,3-Dichloropropane	0.00010	0.00274	0.00010	0.84		U
1,4-Dichlorobenzene	0.00007	0.00274	0.00194	0.84		F
1-Chlorohexane	0.00018	0.00548	0.00018	0.84		U
2,2-Dichloropropane	0.00014	0.00548	0.00014	0.84		U
2-Butanone	0.00046	0.0219	0.00532	0.84		F
2-Chlorotoluene	0.00004	0.00548	0.00004	0.84		U
4-Chlorotoluene	0.00008	0.00548	0.00008	0.84		U
4-Methyl-2-pentanone	0.00035	0.0219	0.00035	0.84		U
Acetone	0.00033	0.0548	0.0200	0.84		F
Benzene	0.00005	0.00274	0.00005	0.84		U
Bromobenzene	0.00016	0.00548	0.00016	0.84		U
Bromochloromethane	0.00022	0.00548	0.00022	0.84		U
Bromodichloromethane	0.00007	0.00274	0.00007	0.84		U

Comments:

cwt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.00019	0.00658	0.00019	0.84		U
Bromomethane	0.00014	0.0110	0.00014	0.84		U
Carbon tetrachloride	0.00013	0.00548	0.00013	0.84		U
Chlorobenzene	0.00008	0.00274	0.00133	0.84		F
Chloroethane	0.00027	0.00548	0.00027	0.84		U
Chloroform	0.00008	0.00274	0.00008	0.84		U
Chloromethane	0.00034	0.00548	0.00034	0.84		U
cis-1,2-Dichloroethene	0.00018	0.00548	0.00018	0.84		U
cis-1,3-Dichloropropene	0.00010	0.00329	0.00010	0.84		U
Dibromochloromethane	0.00008	0.00329	0.00008	0.84		U
Dibromomethane	0.00013	0.00548	0.00013	0.84		U
Dichlorodifluoromethane	0.00009	0.00548	0.00009	0.84		U
Ethylbenzene	0.00014	0.00548	0.00014	0.84		U
Hexachlorobutadiene	0.00042	0.00329	0.00042	0.84		U
Isopropylbenzene	0.00005	0.00548	0.00005	0.84		U
Methyl tert-butyl ether	0.00014	0.0219	0.00014	0.84		U
Methylene chloride	0.00066	0.00548	0.00066	0.84		U
n-Butylbenzene	0.00014	0.00548	0.00014	0.84		U
n-Propylbenzene	0.00003	0.00548	0.00003	0.84		U
Naphthalene	0.00023	0.00548	0.00023	0.84		U
o-Xylene	0.00019	0.00548	0.00019	0.84		U
p-Isopropyltoluene	0.00019	0.00658	0.00019	0.84		U
sec-Butylbenzene	0.00005	0.00548	0.00005	0.84		U
Styrene	0.00013	0.00548	0.00013	0.84		U
tert-Butylbenzene	0.00009	0.00548	0.00009	0.84		U
Tetrachloroethene	0.00012	0.00548	0.00012	0.84		U
Toluene	0.00005	0.00548	0.00005	0.84		U
trans-1,2-Dichloroethene	0.00013	0.00548	0.00013	0.84		U
trans-1,3-Dichloropropene	0.00016	0.00548	0.00016	0.84		U
Trichloroethene	0.00013	0.00548	0.00013	0.84		U
Trichlorofluoromethane	0.00009	0.00548	0.00009	0.84		U
Vinyl chloride	0.00014	0.00548	0.00014	0.84		U

Comments:

CWK 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.00033	0.00548	0.000932	0.84		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	87	52 - 149	
4-Bromofluorobenzene	97	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	104	84 - 116	

cnt 1/21/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	636256	349446 - 1397786	
Chlorobenzene-d5	744875	392286 - 1569146	
Fluorobenzene	2006158	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

(m+p)-Xylene	0.00015	0.00581	0.000651	0.89		F
1,1,1,2-Tetrachloroethane	0.00019	0.00349	0.00019	0.89		U
1,1,1-Trichloroethane	0.00016	0.00581	0.00016	0.89		U
1,1,2,2-Tetrachloroethane	0.00016	0.00349	0.00016	0.89		U
1,1,2-Trichloroethane	0.00029	0.00581	0.00029	0.89		U
1,1-Dichloroethane	0.00009	0.00581	0.00009	0.89		U
1,1-Dichloroethene	0.00017	0.00697	0.00017	0.89		~~U~~UJ
1,1-Dichloropropene	0.00022	0.00581	0.00022	0.89		U
1,2,3-Trichlorobenzene	0.00048	0.00581	0.00048	0.89		U
1,2,3-Trichloropropane	0.00027	0.00581	0.00027	0.89		U
1,2,4-Trichlorobenzene	0.00038	0.00581	0.00038	0.89		U
1,2,4-Trimethylbenzene	0.00007	0.00697	0.000976	0.89		F
1,2-Dibromo-3-chloropropane	0.00036	0.0116	0.00036	0.89		U
1,2-Dibromoethane	0.00009	0.00581	0.00009	0.89		U
1,2-Dichlorobenzene	0.00007	0.00581	0.00007	0.89		U
1,2-Dichloroethane	0.00013	0.00349	0.00013	0.89		U
1,2-Dichloropropane	0.00026	0.00581	0.00026	0.89		U
1,3,5-Trimethylbenzene	0.00009	0.00581	0.00009	0.89		U
1,3-Dichlorobenzene	0.00013	0.00697	0.00013	0.89		U
1,3-Dichloropropane	0.00010	0.00290	0.00010	0.89		U
1,4-Dichlorobenzene	0.00007	0.00290	0.00007	0.89		U
1-Chlorohexane	0.00019	0.00581	0.00019	0.89		U
2,2-Dichloropropane	0.00015	0.00581	0.00015	0.89		U
2-Butanone	0.00049	0.0232	0.00049	0.89		U
2-Chlorotoluene	0.00005	0.00581	0.00005	0.89		U
4-Chlorotoluene	0.00008	0.00581	0.00008	0.89		U
4-Methyl-2-pentanone	0.00037	0.0232	0.00037	0.89		U
Acetone	0.00035	0.0581	0.0112	0.89		F
Benzene	0.00006	0.00290	0.00006	0.89		U
Bromobenzene	0.00017	0.00581	0.00017	0.89		U
Bromochloromethane	0.00023	0.00581	0.00023	0.89		U
Bromodichloromethane	0.00007	0.00290	0.00007	0.89		U

Comments:

CWA 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.00020	0.00697	0.00020	0.89		U
Bromomethane	0.00015	0.0116	0.00015	0.89		U
Carbon tetrachloride	0.00014	0.00581	0.00014	0.89		U
Chlorobenzene	0.00008	0.00290	0.000930	0.89		F
Chloroethane	0.00029	0.00581	0.00029	0.89		U
Chloroform	0.00008	0.00290	0.00008	0.89		U
Chloromethane	0.00036	0.00581	0.00036	0.89		U
cis-1,2-Dichloroethene	0.00019	0.00581	0.00019	0.89		U
cis-1,3-Dichloropropene	0.00010	0.00349	0.00010	0.89		U
Dibromochloromethane	0.00008	0.00349	0.00008	0.89		U
Dibromomethane	0.00014	0.00581	0.00014	0.89		U
Dichlorodifluoromethane	0.00009	0.00581	0.00009	0.89		U
Ethylbenzene	0.00015	0.00581	0.00015	0.89		U
Hexachlorobutadiene	0.00044	0.00349	0.00044	0.89		U
Isopropylbenzene	0.00006	0.00581	0.00006	0.89		U
Methyl tert-butyl ether	0.00015	0.0232	0.00015	0.89		U
Methylene chloride	0.00070	0.00581	0.00070	0.89		U
n-Butylbenzene	0.00015	0.00581	0.00015	0.89		U
n-Propylbenzene	0.00003	0.00581	0.00003	0.89		U
Naphthalene	0.00024	0.00581	0.00024	0.89		U
o-Xylene	0.00020	0.00581	0.00020	0.89		U
p-Isopropyltoluene	0.00020	0.00697	0.00020	0.89		U
sec-Butylbenzene	0.00006	0.00581	0.00006	0.89		U
Styrene	0.00014	0.00581	0.00014	0.89		U
tert-Butylbenzene	0.00009	0.00581	0.00009	0.89		U
Tetrachloroethene	0.00013	0.00581	0.00013	0.89		U
Toluene	0.00006	0.00581	0.00006	0.89		U
trans-1,2-Dichloroethene	0.00014	0.00581	0.00014	0.89		U
trans-1,3-Dichloropropene	0.00017	0.00581	0.00017	0.89		U
Trichloroethene	0.00014	0.00581	0.00014	0.89		U
Trichlorofluoromethane	0.00009	0.00581	0.00009	0.89		U
Vinyl chloride	0.00015	0.00581	0.00015	0.89		U

Comments:

cwt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00035	0.00581	0.000651	0.89		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	87	52 - 149	
4-Bromofluorobenzene	91	84 - 118	
Dibromofluoromethane	93	65 - 135	
Toluene-d8	103	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	635735	349446 - 1397786	
Chlorobenzene-d5	783799	392286 - 1569146	
Fluorobenzene	2122496	1095392 - 4381570	

Cnt 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Analyte	DL	LOQ	Result	Dilution	Comment	Qualifier
(m+p)-Xylene	0.00014	0.00535	0.000588	0.85		F
1,1,1,2-Tetrachloroethane	0.00017	0.00321	0.00017	0.85		U
1,1,1-Trichloroethane	0.00015	0.00535	0.00015	0.85		U
1,1,2,2-Tetrachloroethane	0.00015	0.00321	0.00015	0.85		U
1,1,2-Trichloroethane	0.00027	0.00535	0.00027	0.85		U
1,1-Dichloroethane	0.00009	0.00535	0.00009	0.85		U
1,1-Dichloroethene	0.00016	0.00642	0.00016	0.85		~~U~~ UJ
1,1-Dichloropropene	0.00020	0.00535	0.00020	0.85		U
1,2,3-Trichlorobenzene	0.00044	0.00535	0.00044	0.85		U
1,2,3-Trichloropropane	0.00025	0.00535	0.00025	0.85		U
1,2,4-Trichlorobenzene	0.00035	0.00535	0.00035	0.85		U
1,2,4-Trimethylbenzene	0.00006	0.00642	0.000930	0.85		F
1,2-Dibromo-3-chloropropane	0.00033	0.0107	0.00033	0.85		U
1,2-Dibromoethane	0.00009	0.00535	0.00009	0.85		U
1,2-Dichlorobenzene	0.00006	0.00535	0.00006	0.85		U
1,2-Dichloroethane	0.00012	0.00321	0.00012	0.85		U
1,2-Dichloropropane	0.00024	0.00535	0.00024	0.85		U
1,3,5-Trimethylbenzene	0.00009	0.00535	0.00009	0.85		U
1,3-Dichlorobenzene	0.00012	0.00642	0.00012	0.85		U
1,3-Dichloropropane	0.00010	0.00267	0.00010	0.85		U
1,4-Dichlorobenzene	0.00006	0.00267	0.00006	0.85		U
1-Chlorohexane	0.00017	0.00535	0.00017	0.85		U
2,2-Dichloropropane	0.00014	0.00535	0.00014	0.85		U
2-Butanone	0.00045	0.0214	0.00045	0.85		U
2-Chlorotoluene	0.00004	0.00535	0.00004	0.85		U
4-Chlorotoluene	0.00007	0.00535	0.00007	0.85		U
4-Methyl-2-pentanone	0.00034	0.0214	0.00034	0.85		U
Acetone	0.00032	0.0535	0.00032	0.85		U
Benzene	0.00005	0.00267	0.00005	0.85		U
Bromobenzene	0.00016	0.00535	0.00016	0.85		U
Bromochloromethane	0.00021	0.00535	0.00021	0.85		U
Bromodichloromethane	0.00006	0.00267	0.00006	0.85		U

Comments:

cwk 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Bromoform	0.00018	0.00642	0.00018	0.85		U
Bromomethane	0.00014	0.0107	0.00014	0.85		U
Carbon tetrachloride	0.00013	0.00535	0.00013	0.85		U
Chlorobenzene	0.00007	0.00267	0.00102	0.85		F
Chloroethane	0.00027	0.00535	0.00027	0.85		U
Chloroform	0.00007	0.00267	0.00007	0.85		U
Chloromethane	0.00033	0.00535	0.00033	0.85		U
cis-1,2-Dichloroethene	0.00017	0.00535	0.00017	0.85		U
cis-1,3-Dichloropropene	0.00010	0.00321	0.00010	0.85		U
Dibromochloromethane	0.00007	0.00321	0.00007	0.85		U
Dibromomethane	0.00013	0.00535	0.00013	0.85		U
Dichlorodifluoromethane	0.00009	0.00535	0.00009	0.85		U
Ethylbenzene	0.00014	0.00535	0.00014	0.85		U
Hexachlorobutadiene	0.00041	0.00321	0.00041	0.85		U
Isopropylbenzene	0.00005	0.00535	0.00005	0.85		U
Methyl tert-butyl ether	0.00014	0.0214	0.00014	0.85		U
Methylene chloride	0.00064	0.00535	0.00064	0.85		U
n-Butylbenzene	0.00014	0.00535	0.00014	0.85		U
n-Propylbenzene	0.00003	0.00535	0.00003	0.85		U
Naphthalene	0.00022	0.00535	0.00022	0.85		U
o-Xylene	0.00018	0.00535	0.00018	0.85		U
p-Isopropyltoluene	0.00018	0.00642	0.00018	0.85		U
sec-Butylbenzene	0.00005	0.00535	0.00005	0.85		U
Styrene	0.00013	0.00535	0.00013	0.85		U
tert-Butylbenzene	0.00009	0.00535	0.00009	0.85		U
Tetrachloroethene	0.00012	0.00535	0.00012	0.85		U
Toluene	0.00005	0.00535	0.00005	0.85		U
trans-1,2-Dichloroethene	0.00013	0.00535	0.00013	0.85		U
trans-1,3-Dichloropropene	0.00016	0.00535	0.00016	0.85		U
Trichloroethene	0.00013	0.00535	0.00013	0.85		U
Trichlorofluoromethane	0.00009	0.00535	0.00009	0.85		U
Vinyl chloride	0.00014	0.00535	0.00014	0.85		U

Comments:

avt 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00535	0.000588	0.85		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	88	52 - 149	
4-Bromofluorobenzene	93	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	103	84 - 116	

CWA 1/24/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	642666	349446 - 1397786	
Chlorobenzene-d5	759492	392286 - 1569146	
Fluorobenzene	2019465	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution Factor	Validation Qualifiers	Lab Qualifiers
(m+p)-Xylene	0.00014	0.00525	0.00014	0.73		U
1,1,1,2-Tetrachloroethane	0.00017	0.00315	0.00017	0.73		U
1,1,1-Trichloroethane	0.00015	0.00525	0.00015	0.73		U
1,1,2,2-Tetrachloroethane	0.00015	0.00315	0.00015	0.73		U
1,1,2-Trichloroethane	0.00026	0.00525	0.00026	0.73		U
1,1-Dichloroethane	0.00008	0.00525	0.00008	0.73		U
1,1-Dichloroethene	0.00016	0.00630	0.00016	0.73		~~UF~~ UJ
1,1-Dichloropropene	0.00020	0.00525	0.00020	0.73		U
1,2,3-Trichlorobenzene	0.00043	0.00525	0.00043	0.73		U
1,2,3-Trichloropropane	0.00024	0.00525	0.00024	0.73		U
1,2,4-Trichlorobenzene	0.00035	0.00525	0.00035	0.73		U
1,2,4-Trimethylbenzene	0.00006	0.00630	0.000819	0.73		F
1,2-Dibromo-3-chloropropane	0.00033	0.0105	0.00033	0.73		U
1,2-Dibromoethane	0.00008	0.00525	0.00008	0.73		U
1,2-Dichlorobenzene	0.00006	0.00525	0.000599	0.73		F
1,2-Dichloroethane	0.00012	0.00315	0.00012	0.73		U
1,2-Dichloropropane	0.00023	0.00525	0.00023	0.73		U
1,3,5-Trimethylbenzene	0.00008	0.00525	0.00008	0.73		U
1,3-Dichlorobenzene	0.00012	0.00630	0.00012	0.73		U
1,3-Dichloropropane	0.00009	0.00263	0.00009	0.73		U
1,4-Dichlorobenzene	0.00006	0.00263	0.00006	0.73		U
1-Chlorohexane	0.00017	0.00525	0.00017	0.73		U
2,2-Dichloropropane	0.00014	0.00525	0.00014	0.73		U
2-Butanone	0.00044	0.0210	0.0133	0.73		F
2-Chlorotoluene	0.00004	0.00525	0.00004	0.73		U
4-Chlorotoluene	0.00007	0.00525	0.00007	0.73		U
4-Methyl-2-pentanone	0.00034	0.0210	0.00034	0.73		U
Acetone	0.00032	0.0525	0.0531	0.73		
Benzene	0.00005	0.00263	0.00005	0.73		U
Bromobenzene	0.00016	0.00525	0.00016	0.73		U
Bromochloromethane	0.00021	0.00525	0.00021	0.73		U
Bromodichloromethane	0.00006	0.00263	0.00006	0.73		U

Comments:

ORB 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Bromoform	0.00018	0.00630	0.00018	0.73		U
Bromomethane	0.00014	0.0105	0.00014	0.73		U
Carbon tetrachloride	0.00013	0.00525	0.00013	0.73		U
Chlorobenzene	0.00007	0.00263	0.00123	0.73		F
Chloroethane	0.00026	0.00525	0.00026	0.73		U
Chloroform	0.00007	0.00263	0.00007	0.73		U
Chloromethane	0.00033	0.00525	0.00033	0.73		U
cis-1,2-Dichloroethene	0.00017	0.00525	0.00017	0.73		U
cis-1,3-Dichloropropene	0.00009	0.00315	0.00009	0.73		U
Dibromochloromethane	0.00007	0.00315	0.00007	0.73		U
Dibromomethane	0.00013	0.00525	0.00013	0.73		U
Dichlorodifluoromethane	0.00008	0.00525	0.00008	0.73		U
Ethylbenzene	0.00014	0.00525	0.00014	0.73		U
Hexachlorobutadiene	0.00040	0.00315	0.00040	0.73		U
Isopropylbenzene	0.00005	0.00525	0.00005	0.73		U
Methyl tert-butyl ether	0.00014	0.0210	0.00014	0.73		U
Methylene chloride	0.00063	0.00525	0.00063	0.73		U
n-Butylbenzene	0.00014	0.00525	0.00014	0.73		U
n-Propylbenzene	0.00003	0.00525	0.00003	0.73		U
Naphthalene	0.00022	0.00525	0.00022	0.73		U
o-Xylene	0.00018	0.00525	0.00018	0.73		U
p-Isopropyltoluene	0.00018	0.00630	0.00018	0.73		U
sec-Butylbenzene	0.00005	0.00525	0.00005	0.73		U
Styrene	0.00013	0.00525	0.00013	0.73		U
tert-Butylbenzene	0.00008	0.00525	0.00008	0.73		U
Tetrachloroethene	0.00012	0.00525	0.00012	0.73		U
Toluene	0.00005	0.00525	0.00005	0.73		U
trans-1,2-Dichloroethene	0.00013	0.00525	0.00013	0.73		U
trans-1,3-Dichloropropene	0.00016	0.00525	0.00016	0.73		U
Trichloroethene	0.00013	0.00525	0.00013	0.73		U
Trichlorofluoromethane	0.00008	0.00525	0.00008	0.73		U
Vinyl chloride	0.00014	0.00525	0.00014	0.73		U

Comments:

CLK 12/1/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00525	0.00032	0.73		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	91	52 - 149	
4-Bromofluorobenzene	93	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	106	84 - 116	

clrk 1/21/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	389931	349446 - 1397786	
Chlorobenzene-d5	475420	392286 - 1569146	
Fluorobenzene	1226705	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	PQL	Concentration	Dilution	Lab Qual	Qualifier
(m+p)-Xylene	0.00014	0.00545	0.00014	0.85		U
1,1,1,2-Tetrachloroethane	0.00017	0.00327	0.00017	0.85		U
1,1,1-Trichloroethane	0.00015	0.00545	0.00015	0.85		U
1,1,2,2-Tetrachloroethane	0.00015	0.00327	0.00015	0.85		U
1,1,2-Trichloroethane	0.00027	0.00545	0.00027	0.85		U
1,1-Dichloroethane	0.00009	0.00545	0.00009	0.85		U
1,1-Dichloroethene	0.00016	0.00654	0.00016	0.85		~~UJ~~ U
1,1-Dichloropropene	0.00021	0.00545	0.00021	0.85		U
1,2,3-Trichlorobenzene	0.00045	0.00545	0.00045	0.85		U
1,2,3-Trichloropropane	0.00025	0.00545	0.00025	0.85		U
1,2,4-Trichlorobenzene	0.00036	0.00545	0.00036	0.85		U
1,2,4-Trimethylbenzene	0.00007	0.00654	0.00100	0.85		F
1,2-Dibromo-3-chloropropane	0.00034	0.0109	0.00034	0.85		U
1,2-Dibromoethane	0.00009	0.00545	0.00009	0.85		U
1,2-Dichlorobenzene	0.00007	0.00545	0.00007	0.85		U
1,2-Dichloroethane	0.00012	0.00327	0.00012	0.85		U
1,2-Dichloropropane	0.00024	0.00545	0.00024	0.85		U
1,3,5-Trimethylbenzene	0.00009	0.00545	0.00009	0.85		U
1,3-Dichlorobenzene	0.00012	0.00654	0.00012	0.85		U
1,3-Dichloropropane	0.00010	0.00272	0.00010	0.85		U
1,4-Dichlorobenzene	0.00007	0.00272	0.00007	0.85		U
1-Chlorohexane	0.00017	0.00545	0.00017	0.85		U
2,2-Dichloropropane	0.00014	0.00545	0.00014	0.85		U
2-Butanone	0.00046	0.0218	0.00673	0.85		F
2-Chlorotoluene	0.00004	0.00545	0.00004	0.85		U
4-Chlorotoluene	0.00008	0.00545	0.00008	0.85		U
4-Methyl-2-pentanone	0.00035	0.0218	0.00035	0.85		U
Acetone	0.00033	0.0545	0.0300	0.85		F
Benzene	0.00005	0.00272	0.00005	0.85		U
Bromobenzene	0.00016	0.00545	0.00016	0.85		U
Bromochloromethane	0.00022	0.00545	0.00022	0.85		U
Bromodichloromethane	0.00007	0.00272	0.00007	0.85		U

Comments:

cwt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	RL	Concentration	Dilution	Location	Qualifier
Bromoform	0.00019	0.00654	0.00019	0.85		U
Bromomethane	0.00014	0.0109	0.00014	0.85		U
Carbon tetrachloride	0.00013	0.00545	0.00013	0.85		U
Chlorobenzene	0.00008	0.00272	0.000588	0.85		F
Chloroethane	0.00027	0.00545	0.00027	0.85		U
Chloroform	0.00008	0.00272	0.00008	0.85		U
Chloromethane	0.00034	0.00545	0.00034	0.85		U
cis-1,2-Dichloroethene	0.00017	0.00545	0.00017	0.85		U
cis-1,3-Dichloropropene	0.00010	0.00327	0.00010	0.85		U
Dibromochloromethane	0.00008	0.00327	0.00008	0.85		U
Dibromomethane	0.00013	0.00545	0.00013	0.85		U
Dichlorodifluoromethane	0.00009	0.00545	0.00009	0.85		U
Ethylbenzene	0.00014	0.00545	0.00014	0.85		U
Hexachlorobutadiene	0.00041	0.00327	0.00041	0.85		U
Isopropylbenzene	0.00005	0.00545	0.00005	0.85		U
Methyl tert-butyl ether	0.00014	0.0218	0.00014	0.85		U
Methylene chloride	0.00065	0.00545	0.00065	0.85		U
n-Butylbenzene	0.00014	0.00545	0.00014	0.85		U
n-Propylbenzene	0.00003	0.00545	0.00003	0.85		U
Naphthalene	0.00023	0.00545	0.00023	0.85		U
o-Xylene	0.00019	0.00545	0.00019	0.85		U
p-Isopropyltoluene	0.00019	0.00654	0.00019	0.85		U
sec-Butylbenzene	0.00005	0.00545	0.00005	0.85		U
Styrene	0.00013	0.00545	0.00013	0.85		U
tert-Butylbenzene	0.00009	0.00545	0.00009	0.85		U
Tetrachloroethene	0.00012	0.00545	0.00012	0.85		U
Toluene	0.00005	0.00545	0.00005	0.85		U
trans-1,2-Dichloroethene	0.00013	0.00545	0.00013	0.85		U
trans-1,3-Dichloropropene	0.00016	0.00545	0.00016	0.85		U
Trichloroethene	0.00013	0.00545	0.00013	0.85		U
Trichlorofluoromethane	0.00009	0.00545	0.00009	0.85		U
Vinyl chloride	0.00014	0.00545	0.00014	0.85		U

Comments:

cwk 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00033	0.00545	0.00033	0.85		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	94	84 - 118	
Dibromofluoromethane	93	65 - 135	
Toluene-d8	110	84 - 116	

CMT 1/24/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	608720	349446 - 1397786	
Chlorobenzene-d5	743730	392286 - 1569146	
Fluorobenzene	1825482	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.00016	0.00608	0.000729	0.87		F
1,1,1,2-Tetrachloroethane	0.00019	0.00365	0.00019	0.87		U
1,1,1-Trichloroethane	0.00017	0.00608	0.00017	0.87		U
1,1,2,2-Tetrachloroethane	0.00017	0.00365	0.00017	0.87		U
1,1,2-Trichloroethane	0.00030	0.00608	0.00030	0.87		U
1,1-Dichloroethane	0.00010	0.00608	0.00010	0.87		U
1,1-Dichloroethene	0.00018	0.00729	0.00018	0.87		~~DQ~~ UJ
1,1-Dichloropropene	0.00023	0.00608	0.00023	0.87		U
1,2,3-Trichlorobenzene	0.00050	0.00608	0.00050	0.87		U
1,2,3-Trichloropropane	0.00028	0.00608	0.00028	0.87		U
1,2,4-Trichlorobenzene	0.00040	0.00608	0.00040	0.87		U
1,2,4-Trimethylbenzene	0.00007	0.00729	0.00210	0.87		F
1,2-Dibromo-3-chloropropane	0.00038	0.0122	0.00038	0.87		U
1,2-Dibromoethane	0.00010	0.00608	0.00010	0.87		U
1,2-Dichlorobenzene	0.00007	0.00608	0.00281	0.87		F
1,2-Dichloroethane	0.00013	0.00365	0.00013	0.87		U
1,2-Dichloropropane	0.00027	0.00608	0.00027	0.87		U
1,3,5-Trimethylbenzene	0.00010	0.00608	0.000741	0.87		F
1,3-Dichlorobenzene	0.00013	0.00729	0.00013	0.87		U
1,3-Dichloropropane	0.00011	0.00304	0.00011	0.87		U
1,4-Dichlorobenzene	0.00007	0.00304	0.00153	0.87		F
1-Chlorohexane	0.00019	0.00608	0.00019	0.87		U
2,2-Dichloropropane	0.00016	0.00608	0.00016	0.87		U
2-Butanone	0.00051	0.0243	0.00871	0.87		F
2-Chlorotoluene	0.00005	0.00608	0.00005	0.87		U
4-Chlorotoluene	0.00009	0.00608	0.00009	0.87		U
4-Methyl-2-pentanone	0.00039	0.0243	0.00039	0.87		U
Acetone	0.00036	0.0608	0.0395	0.87		F
Benzene	0.00006	0.00304	0.00006	0.87		U
Bromobenzene	0.00018	0.00608	0.00018	0.87		U
Bromochloromethane	0.00024	0.00608	0.00024	0.87		U
Bromodichloromethane	0.00007	0.00304	0.00007	0.87		U

Comments:

CWK 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	LDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.00021	0.00729	0.00021	0.87		U
Bromomethane	0.00016	0.0122	0.00016	0.87		U
Carbon tetrachloride	0.00015	0.00608	0.00015	0.87		U
Chlorobenzene	0.00009	0.00304	0.00783	0.87		
Chloroethane	0.00030	0.00608	0.00030	0.87		U
Chloroform	0.00009	0.00304	0.00009	0.87		U
Chloromethane	0.00038	0.00608	0.00038	0.87		U
cis-1,2-Dichloroethene	0.00019	0.00608	0.00019	0.87		U
cis-1,3-Dichloropropene	0.00011	0.00365	0.00011	0.87		U
Dibromochloromethane	0.00009	0.00365	0.00009	0.87		U
Dibromomethane	0.00015	0.00608	0.00015	0.87		U
Dichlorodifluoromethane	0.00010	0.00608	0.00010	0.87		U
Ethylbenzene	0.00016	0.00608	0.00016	0.87		U
Hexachlorobutadiene	0.00046	0.00365	0.00046	0.87		U
Isopropylbenzene	0.00006	0.00608	0.00006	0.87		U
Methyl tert-butyl ether	0.00016	0.0243	0.00016	0.87		U
Methylene chloride	0.00073	0.00608	0.00073	0.87		U
n-Butylbenzene	0.00016	0.00608	0.00016	0.87		U
n-Propylbenzene	0.00004	0.00608	0.00004	0.87		U
Naphthalene	0.00026	0.00608	0.00026	0.87		U
o-Xylene	0.00021	0.00608	0.00021	0.87		U
p-Isopropyltoluene	0.00021	0.00729	0.00021	0.87		U
sec-Butylbenzene	0.00006	0.00608	0.00006	0.87		U
Styrene	0.00015	0.00608	0.00015	0.87		U
tert-Butylbenzene	0.00010	0.00608	0.00010	0.87		U
Tetrachloroethene	0.00013	0.00608	0.00013	0.87		U
Toluene	0.00006	0.00608	0.00006	0.87		U
trans-1,2-Dichloroethene	0.00015	0.00608	0.00015	0.87		U
trans-1,3-Dichloropropene	0.00018	0.00608	0.00018	0.87		U
Trichloroethene	0.00015	0.00608	0.00015	0.87		U
Trichlorofluoromethane	0.00010	0.00608	0.00010	0.87		U
Vinyl chloride	0.00016	0.00608	0.00016	0.87		U

Comments:

CWA 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Target	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00036	0.00608	0.000729	0.87		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	94	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	102	84 - 116	

CNA 1/24/08

Internal Std	Area Counts	Area Count Limits	Qualifiers
1,4-Dichlorobenzene-d4	572430	349446 - 1397786	
Chlorobenzene-d5	734965	392286 - 1569146	
Fluorobenzene	2046757	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Choice MDL or DL	Dilution	Reported	Validation
(m+p)-Xylene	0.00019	0.00736	0.00019	0.87		U
1,1,1,2-Tetrachloroethane	0.00024	0.00442	0.00024	0.87		U
1,1,1-Trichloroethane	0.00021	0.00736	0.00021	0.87		U
1,1,2,2-Tetrachloroethane	0.00021	0.00442	0.00021	0.87		U
1,1,2-Trichloroethane	0.00037	0.00736	0.00037	0.87		U
1,1-Dichloroethane	0.00012	0.00736	0.00012	0.87		U
1,1-Dichloroethene	0.00022	0.00883	0.00022	0.87		~~UCF~~ UJ
1,1-Dichloropropene	0.00028	0.00736	0.00028	0.87		U
1,2,3-Trichlorobenzene	0.00060	0.00736	0.00060	0.87		U
1,2,3-Trichloropropane	0.00034	0.00736	0.00034	0.87		U
1,2,4-Trichlorobenzene	0.00049	0.00736	0.00049	0.87		U
1,2,4-Trimethylbenzene	0.00009	0.00883	0.00159	0.87		F
1,2-Dibromo-3-chloropropane	0.00046	0.0147	0.00046	0.87		U
1,2-Dibromoethane	0.00012	0.00736	0.00012	0.87		U
1,2-Dichlorobenzene	0.00009	0.00736	0.00009	0.87		U
1,2-Dichloroethane	0.00016	0.00442	0.00016	0.87		U
1,2-Dichloropropane	0.00032	0.00736	0.00032	0.87		U
1,3,5-Trimethylbenzene	0.00012	0.00736	0.00012	0.87		U
1,3-Dichlorobenzene	0.00016	0.00883	0.00016	0.87		U
1,3-Dichloropropane	0.00013	0.00368	0.00013	0.87		U
1,4-Dichlorobenzene	0.00009	0.00368	0.00009	0.87		U
1-Chlorohexane	0.00024	0.00736	0.00024	0.87		U
2,2-Dichloropropane	0.00019	0.00736	0.00019	0.87		U
2-Butanone	0.00062	0.0294	0.00342	0.87		F
2-Chlorotoluene	0.00006	0.00736	0.00006	0.87		U
4-Chlorotoluene	0.00010	0.00736	0.00010	0.87		U
4-Methyl-2-pentanone	0.00047	0.0294	0.00047	0.87		U
Acetone	0.00044	0.0736	0.0175	0.87		F
Benzene	0.00007	0.00368	0.00007	0.87		U
Bromobenzene	0.00022	0.00736	0.00022	0.87		U
Bromochloromethane	0.00029	0.00736	0.00029	0.87		U
Bromodichloromethane	0.00009	0.00368	0.00009	0.87		U

Comments:

cwt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.00025	0.00883	0.00025	0.87		U
Bromomethane	0.00019	0.0147	0.00019	0.87		U
Carbon tetrachloride	0.00018	0.00736	0.00018	0.87		U
Chlorobenzene	0.00010	0.00368	0.00010	0.87		U
Chloroethane	0.00037	0.00736	0.00037	0.87		U
Chloroform	0.00010	0.00368	0.00010	0.87		U
Chloromethane	0.00046	0.00736	0.00046	0.87		U
cis-1,2-Dichloroethene	0.00024	0.00736	0.00024	0.87		U
cis-1,3-Dichloropropene	0.00013	0.00442	0.00013	0.87		U
Dibromochloromethane	0.00010	0.00442	0.00010	0.87		U
Dibromomethane	0.00018	0.00736	0.00018	0.87		U
Dichlorodifluoromethane	0.00012	0.00736	0.00012	0.87		U
Ethylbenzene	0.00019	0.00736	0.00019	0.87		U
Hexachlorobutadiene	0.00056	0.00442	0.00056	0.87		U
Isopropylbenzene	0.00007	0.00736	0.00007	0.87		U
Methyl tert-butyl ether	0.00019	0.0294	0.00019	0.87		U
Methylene chloride	0.00088	0.00736	0.00088	0.87		U
n-Butylbenzene	0.00019	0.00736	0.00019	0.87		U
n-Propylbenzene	0.00004	0.00736	0.00004	0.87		U
Naphthalene	0.00031	0.00736	0.00031	0.87		U
o-Xylene	0.00025	0.00736	0.00025	0.87		U
p-Isopropyltoluene	0.00025	0.00883	0.00025	0.87		U
sec-Butylbenzene	0.00007	0.00736	0.00007	0.87		U
Styrene	0.00018	0.00736	0.00018	0.87		U
tert-Butylbenzene	0.00012	0.00736	0.00012	0.87		U
Tetrachloroethene	0.00016	0.00736	0.00016	0.87		U
Toluene	0.00007	0.00736	0.00007	0.87		U
trans-1,2-Dichloroethene	0.00018	0.00736	0.00018	0.87		U
trans-1,3-Dichloropropene	0.00022	0.00736	0.00022	0.87		U
Trichloroethene	0.00018	0.00736	0.00018	0.87		U
Trichlorofluoromethane	0.00012	0.00736	0.00012	0.87		U
Vinyl chloride	0.00019	0.00736	0.00019	0.87		U

Comments:

CWT 12/1/07

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00044	0.00736	0.00044	0.87		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	84	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	99	84 - 116	

cnt 1/2/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	460167	349446 - 1397786	
Chlorobenzene-d5	687968	392286 - 1569146	
Fluorobenzene	2051506	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0601BB DL	0710130-006BDL
TMCSD0701BB	0710130-007B
TMCSD0701BB DL	0710130-007BDL
TMCSD0801BB	0710130-008B
TMCSD0801BB DL	0710130-008BDL

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci **Name:** Monika Santucci

Date: 11/29/07 **Title:** Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N9449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifiers
1,2,4-Trichlorobenzene	0.0025	0.84	0.0025	1		U
1,2-Dichlorobenzene	0.0034	0.84	0.0034	1		U
1,3-Dichlorobenzene	0.0042	0.84	0.0042	1		U
1,4-Dichlorobenzene	0.0058	0.84	0.0058	1		U
2,4,5-Trichlorophenol	0.025	4.0	0.025	1		U
2,4,6-Trichlorophenol	0.0068	0.36	0.0068	1		U
2,4-Dichlorophenol	0.0046	0.36	0.0046	1		U
2,4-Dimethylphenol	0.0098	0.36	0.0098	1		U
2,4-Dinitrophenol	0.40	4.0	0.40	1		U
2,4-Dinitrotoluene	0.0058	0.84	0.0058	1		U
2,6-Dinitrotoluene	0.0067	0.84	0.0067	1		U
2-Chloronaphthalene	0.0044	0.84	0.0044	1		U
2-Chlorophenol	0.0061	0.36	0.0061	1		U
2-Methylnaphthalene	0.0019	0.84	0.0019	1		U
2-Methylphenol	0.0044	0.36	0.0044	1		U
2-Nitroaniline	0.0071	4.0	0.0071	1		U
2-Nitrophenol	0.016	0.36	0.016	1		U
3,3'-Dichlorobenzidine	0.048	1.6	0.048	1		U
3-Nitroaniline	0.048	4.0	0.048	1		U
4,6-Dinitro-2-methylphenol	0.20	4.0	0.20	1		U
4-Bromophenyl phenyl ether	0.0062	0.84	0.0062	1		U
4-Chloro-3-methylphenol	0.012	1.6	0.012	1		U
4-Chloroaniline	0.048	1.6	0.048	1		U
4-Chlorophenyl phenyl ether	0.0049	0.84	0.0049	1		U
4-Methylphenol	0.0034	2.4	0.0034	1		U
4-Nitroaniline	0.048	4.0	0.048	1		U
4-Nitrophenol	0.080	1.9	0.080	1		U
Acenaphthene	0.0040	0.84	0.0040	1		U
Acenaphthylene	0.0048	0.84	0.0048	1		U
Anthracene	0.0028	0.84	0.0028	1		U
Benzo[a]anthracene	0.0041	0.84	0.0041	1		U
Benzo[a]pyrene	0.012	0.84	0.012	1		U

Comments:

CMA 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N8449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.014	0.84	0.014	1		U
Benzo[g,h,i]perylene	0.016	0.84	0.016	1		U
Benzo[k]fluoranthene	0.013	0.84	0.013	1		U
Benzoic acid	0.45	6.0	0.45	1		U
Benzyl alcohol	0.0064	1.6	0.0064	1		U
bis(2-Chloroethoxy)methane	0.0037	0.84	0.0037	1		U
bis(2-chloroethyl)ether	0.0061	0.84	0.0061	1		U
bis(2-chloroisopropyl)ether	0.0068	0.84	0.0068	1		U
bis(2-Ethylhexyl)phthalate	0.018	0.84	0.029	1		F
Butyl benzyl phthalate	0.016	0.84	0.016	1		U
Chrysene	0.0034	0.84	0.0034	1		U
Di-n-butyl phthalate	0.10	0.84	0.10	1		U
Di-n-octyl phthalate	0.0023	0.84	0.0023	1		U
Dibenz[a,h]anthracene	0.016	0.84	0.016	1		U
Dibenzofuran	0.0055	0.84	0.0055	1		U
Diethyl phthalate	0.0042	0.84	0.041	1		F
Dimethyl phthalate	0.0041	0.84	0.0041	1		U
Fluoranthene	0.012	0.84	0.012	1		U
Fluorene	0.0041	0.84	0.0041	1		U
Hexachlorobenzene	0.0065	0.84	0.0065	1		U
Hexachlorobutadiene	0.0036	0.84	0.0036	1		U
Hexachloroethane	0.048	0.84	0.048	1		U
Indeno[1,2,3-cd]pyrene	0.016	0.84	0.016	1		U
Isophorone	0.0033	0.84	0.0033	1		U
N-Nitroso-di-n-propylamine	0.016	0.84	0.016	1		U
N-Nitrosodiphenylamine	0.0027	0.84	0.0027	1		U
Naphthalene	0.0030	0.84	0.0030	1		U
Nitrobenzene	0.0043	0.84	0.0043	1		U
Pentachlorophenol	0.40	4.0	0.40	1		U
Phenanthrene	0.0017	0.84	0.0017	1		U
Phenol	0.0037	0.36	0.0037	1		U
Pyrene	0.0027	0.84	0.0027	1		U

Comments:

CWA 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N8449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	81	36 - 126	
2-Fluorobiphenyl	88	43 - 120	
2-Fluorophenol	83	37 - 120	
Nitrobenzene-d5	88	37 - 120	
Phenol-d5	85	40 - 120	
Terphenyl-d14	84	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264602	114755 - 459020	
Acenaphthene-d10	495467	212442 - 849766	
Chrysene-d12	741200	329718 - 1318872	
Naphthalene-d8	899083	373748 - 1494990	
Perylene-d12	698380	339818 - 1359272	
Phenanthrene-d10	793322	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.91	0.0027	1		U
1,2-Dichlorobenzene	0.0037	0.91	0.0037	1		U
1,3-Dichlorobenzene	0.0046	0.91	0.0046	1		U
1,4-Dichlorobenzene	0.0064	0.91	0.0064	1		U
2,4,5-Trichlorophenol	0.027	4.3	0.027	1		U
2,4,6-Trichlorophenol	0.0074	0.39	0.0074	1		U
2,4-Dichlorophenol	0.0050	0.39	0.0050	1		U
2,4-Dimethylphenol	0.011	0.39	0.011	1		U
2,4-Dinitrophenol	0.43	4.3	0.43	1		U
2,4-Dinitrotoluene	0.0063	0.91	0.0063	1		U
2,6-Dinitrotoluene	0.0073	0.91	0.0073	1		U
2-Chloronaphthalene	0.0048	0.91	0.0048	1		U
2-Chlorophenol	0.0067	0.39	0.0067	1		U
2-Methylnaphthalene	0.0021	0.91	0.0021	1		U
2-Methylphenol	0.0048	0.39	0.0048	1		U
2-Nitroaniline	0.0077	4.3	0.0077	1		U
2-Nitrophenol	0.017	0.39	0.017	1		U
3,3'-Dichlorobenzidine	0.052	1.7	0.052	1		U
3-Nitroaniline	0.052	4.3	0.052	1		U
4,6-Dinitro-2-methylphenol	0.22	4.3	0.22	1		U
4-Bromophenyl phenyl ether	0.0068	0.91	0.0068	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.052	1.7	0.052	1		U
4-Chlorophenyl phenyl ether	0.0053	0.91	0.0053	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.052	4.3	0.052	1		U
4-Nitrophenol	0.087	2.1	0.087	1		U
Acenaphthene	0.0043	0.91	0.0043	1		U
Acenaphthylene	0.0052	0.91	0.0052	1		U
Anthracene	0.0030	0.91	0.0030	1		U
Benzo[a]anthracene	0.0045	0.91	0.0045	1		U
Benzo[a]pyrene	0.013	0.91	0.013	1		U

Comments:

awt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.015	0.91	0.015	1		U
Benzo[g,h,i]perylene	0.017	0.91	0.017	1		U
Benzo[k]fluoranthene	0.015	0.91	0.015	1		U
Benzoic acid	0.49	6.5	0.49	1		U
Benzyl alcohol	0.0070	1.7	0.0070	1		U
bis(2-Chloroethoxy)methane	0.0040	0.91	0.0040	1		U
bis(2-chloroethyl)ether	0.0067	0.91	0.0067	1		U
bis(2-chloroisopropyl)ether	0.0074	0.91	0.0074	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.91	0.047	1		F
Butyl benzyl phthalate	0.017	0.91	0.017	1		U
Chrysene	0.0037	0.91	0.0037	1		U
Di-n-butyl phthalate	0.11	0.91	0.11	1		U
Di-n-octyl phthalate	0.0025	0.91	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.91	0.017	1		U
Dibenzofuran	0.0060	0.91	0.0060	1		U
Diethyl phthalate	0.0046	0.91	0.040	1		F
Dimethyl phthalate	0.0045	0.91	0.0045	1		U
Fluoranthene	0.013	0.91	0.013	1		U
Fluorene	0.0045	0.91	0.0045	1		U
Hexachlorobenzene	0.0070	0.91	0.0070	1		U
Hexachlorobutadiene	0.0039	0.91	0.0039	1		U
Hexachloroethane	0.052	0.91	0.052	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.91	0.017	1		U
Isophorone	0.0036	0.91	0.0036	1		U
N-Nitroso-di-n-propylamine	0.017	0.91	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.91	0.0029	1		U
Naphthalene	0.0033	0.91	0.0033	1		U
Nitrobenzene	0.0046	0.91	0.0046	1		U
Pentachlorophenol	0.43	4.3	0.43	1		U
Phenanthrene	0.0019	0.91	0.0019	1		U
Phenol	0.0040	0.39	0.0040	1		U
Pyrene	0.0029	0.91	0.0029	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	75	36 - 126	
2-Fluorobiphenyl	74	43 - 120	
2-Fluorophenol	67	37 - 120	
Nitrobenzene-d5	73	37 - 120	
Phenol-d5	70	40 - 120	
Terphenyl-d14	77	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262418	114755 - 459020	
Acenaphthene-d10	481885	212442 - 849766	
Chrysene-d12	686533	329718 - 1318872	
Naphthalene-d8	879137	373748 - 1494990	
Perylene-d12	611377	339818 - 1359272	
Phenanthrene-d10	772024	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.91	0.0027	1		U
1,2-Dichlorobenzene	0.0037	0.91	0.0037	1		U
1,3-Dichlorobenzene	0.0046	0.91	0.0046	1		U
1,4-Dichlorobenzene	0.0064	0.91	0.0064	1		U
2,4,5-Trichlorophenol	0.027	4.3	0.027	1		U
2,4,6-Trichlorophenol	0.0074	0.39	0.0074	1		U
2,4-Dichlorophenol	0.0050	0.39	0.0050	1		U
2,4-Dimethylphenol	0.011	0.39	0.011	1		U
2,4-Dinitrophenol	0.43	4.3	0.43	1		U
2,4-Dinitrotoluene	0.0063	0.91	0.0063	1		U
2,6-Dinitrotoluene	0.0073	0.91	0.0073	1		U
2-Chloronaphthalene	0.0048	0.91	0.0048	1		U
2-Chlorophenol	0.0067	0.39	0.0067	1		U
2-Methylnaphthalene	0.0021	0.91	0.0021	1		U
2-Methylphenol	0.0048	0.39	0.0048	1		U
2-Nitroaniline	0.0077	4.3	0.0077	1		U
2-Nitrophenol	0.017	0.39	0.017	1		U
3,3'-Dichlorobenzidine	0.052	1.7	0.052	1		U
3-Nitroaniline	0.052	4.3	0.052	1		U
4,6-Dinitro-2-methylphenol	0.22	4.3	0.22	1		U
4-Bromophenyl phenyl ether	0.0068	0.91	0.0068	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.052	1.7	0.052	1		U
4-Chlorophenyl phenyl ether	0.0053	0.91	0.0053	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.052	4.3	0.052	1		U
4-Nitrophenol	0.087	2.1	0.087	1		U
Acenaphthene	0.0043	0.91	0.0043	1		U
Acenaphthylene	0.0052	0.91	0.0052	1		U
Anthracene	0.0030	0.91	0.0030	1		U
Benzo[a]anthracene	0.0045	0.91	0.051	1		F
Benzo[a]pyrene	0.013	0.91	0.053	1		F

Comments:

ent 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirmation	Qualifier
Benzo[b]fluoranthene	0.015	0.91	0.079	1		F
Benzo[g,h,i]perylene	0.017	0.91	0.023	1		F
Benzo[k]fluoranthene	0.015	0.91	0.031	1		F
Benzoic acid	0.49	6.5	0.49	1		U
Benzyl alcohol	0.0070	1.7	0.0070	1		U
bis(2-Chloroethoxy)methane	0.0040	0.91	0.0040	1		U
bis(2-chloroethyl)ether	0.0067	0.91	0.0067	1		U
bis(2-chloroisopropyl)ether	0.0074	0.91	0.0074	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.91	0.077	1		F
Butyl benzyl phthalate	0.017	0.91	0.017	1		U
Chrysene	0.0037	0.91	0.060	1		F
Di-n-butyl phthalate	0.11	0.91	0.11	1		U
Di-n-octyl phthalate	0.0025	0.91	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.91	0.017	1		U
Dibenzofuran	0.0060	0.91	0.0060	1		U
Diethyl phthalate	0.0046	0.91	0.047	1		F
Dimethyl phthalate	0.0045	0.91	0.0045	1		U
Fluoranthene	0.013	0.91	0.11	1		F
Fluorene	0.0045	0.91	0.0045	1		U
Hexachlorobenzene	0.0070	0.91	0.0070	1		U
Hexachlorobutadiene	0.0039	0.91	0.0039	1		U
Hexachloroethane	0.052	0.91	0.052	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.91	0.017	1		U
Isophorone	0.0036	0.91	0.0036	1		U
N-Nitroso-di-n-propylamine	0.017	0.91	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.91	0.0029	1		U
Naphthalene	0.0033	0.91	0.0033	1		U
Nitrobenzene	0.0046	0.91	0.0046	1		U
Pentachlorophenol	0.43	4.3	0.43	1		U
Phenanthrene	0.0019	0.91	0.059	1		F
Phenol	0.0040	0.39	0.0040	1		U
Pyrene	0.0029	0.91	0.099	1		F

Comments:

CWA 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	85	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	75	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	79	40 - 120	
Terphenyl-d14	91	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	253900	114755 - 459020	
Acenaphthene-d10	477775	212442 - 849766	
Chrysene-d12	654233	329718 - 1318872	
Naphthalene-d8	861522	373748 - 1494990	
Perylene-d12	521846	339818 - 1359272	
Phenanthrene-d10	761476	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0026	0.88	0.0026	1		U
1,2-Dichlorobenzene	0.0036	0.88	0.0036	1		U
1,3-Dichlorobenzene	0.0044	0.88	0.0044	1		U
1,4-Dichlorobenzene	0.0061	0.88	0.0061	1		U
2,4,5-Trichlorophenol	0.026	4.2	0.026	1		U
2,4,6-Trichlorophenol	0.0071	0.38	0.0071	1		U
2,4-Dichlorophenol	0.0048	0.38	0.0048	1		U
2,4-Dimethylphenol	0.010	0.38	0.010	1		U
2,4-Dinitrophenol	0.42	4.2	0.42	1		U
2,4-Dinitrotoluene	0.0061	0.88	0.0061	1		U
2,6-Dinitrotoluene	0.0071	0.88	0.0071	1		U
2-Chloronaphthalene	0.0046	0.88	0.0046	1		U
2-Chlorophenol	0.0064	0.38	0.0064	1		U
2-Methylnaphthalene	0.0020	0.88	0.0020	1		U
2-Methylphenol	0.0047	0.38	0.0047	1		U
2-Nitroaniline	0.0074	4.2	0.0074	1		U
2-Nitrophenol	0.017	0.38	0.017	1		U
3,3'-Dichlorobenzidine	0.050	1.6	0.050	1		U
3-Nitroaniline	0.050	4.2	0.050	1		U
4,6-Dinitro-2-methylphenol	0.21	4.2	0.21	1		U
4-Bromophenyl phenyl ether	0.0065	0.88	0.0065	1		U
4-Chloro-3-methylphenol	0.013	1.6	0.013	1		U
4-Chloroaniline	0.050	1.6	0.050	1		U
4-Chlorophenyl phenyl ether	0.0051	0.88	0.0051	1		U
4-Methylphenol	0.0036	2.5	0.0036	1		U
4-Nitroaniline	0.050	4.2	0.050	1		U
4-Nitrophenol	0.084	2.0	0.084	1		U
Acenaphthene	0.0042	0.88	0.0042	1		U
Acenaphthylene	0.0050	0.88	0.0050	1		U
Anthracene	0.0029	0.88	0.0029	1		U
Benzo[a]anthracene	0.0044	0.88	0.027	1		F
Benzo[a]pyrene	0.013	0.88	0.027	1		F

Comments:

CWA 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.014	0.88	0.039	1		F
Benzo[g,h,i]perylene	0.017	0.88	0.017	1		U
Benzo[k]fluoranthene	0.014	0.88	0.014	1		U
Benzoic acid	0.47	6.3	0.47	1		U
Benzyl alcohol	0.0067	1.6	0.0067	1		U
bis(2-Chloroethoxy)methane	0.0039	0.88	0.0039	1		U
bis(2-chloroethyl)ether	0.0064	0.88	0.0064	1		U
bis(2-chloroisopropyl)ether	0.0072	0.88	0.0072	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.88	0.060	1		F
Butyl benzyl phthalate	0.017	0.88	0.017	1		U
Chrysene	0.0035	0.88	0.032	1		F
Di-n-butyl phthalate	0.11	0.88	0.11	1		U
Di-n-octyl phthalate	0.0025	0.88	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.88	0.017	1		U
Dibenzofuran	0.0058	0.88	0.0058	1		U
Diethyl phthalate	0.0044	0.88	0.044	1		F
Dimethyl phthalate	0.0043	0.88	0.0043	1		U
Fluoranthene	0.013	0.88	0.058	1		F
Fluorene	0.0043	0.88	0.0043	1		U
Hexachlorobenzene	0.0068	0.88	0.0068	1		U
Hexachlorobutadiene	0.0038	0.88	0.0038	1		U
Hexachloroethane	0.050	0.88	0.050	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.88	0.017	1		U
Isophorone	0.0035	0.88	0.0035	1		U
N-Nitroso-di-n-propylamine	0.017	0.88	0.017	1		U
N-Nitrosodiphenylamine	0.0028	0.88	0.0028	1		U
Naphthalene	0.0032	0.88	0.0032	1		U
Nitrobenzene	0.0045	0.88	0.0045	1		U
Pentachlorophenol	0.42	4.2	0.42	1		U
Phenanthrene	0.0018	0.88	0.035	1		F
Phenol	0.0039	0.38	0.0039	1		U
Pyrene	0.0028	0.88	0.052	1		F

Comments:

cvk 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	81	36 - 126	
2-Fluorobiphenyl	84	43 - 120	
2-Fluorophenol	76	37 - 120	
Nitrobenzene-d5	84	37 - 120	
Phenol-d5	79	40 - 120	
Terphenyl-d14	86	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	259206	114755 - 459020	
Acenaphthene-d10	480488	212442 - 849766	
Chrysene-d12	676006	329718 - 1318872	
Naphthalene-d8	867123	373748 - 1494990	
Perylene-d12	525863	339818 - 1359272	
Phenanthrene-d10	764742	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.0030	1.0	0.0030	1		U
1,2-Dichlorobenzene	0.0041	1.0	0.0041	1		U
1,3-Dichlorobenzene	0.0051	1.0	0.0051	1		U
1,4-Dichlorobenzene	0.0070	1.0	0.0070	1		U
2,4,5-Trichlorophenol	0.030	4.7	0.030	1		U
2,4,6-Trichlorophenol	0.0081	0.43	0.0081	1		U
2,4-Dichlorophenol	0.0055	0.43	0.0055	1		U
2,4-Dimethylphenol	0.012	0.43	0.012	1		U
2,4-Dinitrophenol	0.48	4.7	0.48	1		U
2,4-Dinitrotoluene	0.0069	1.0	0.0069	1		U
2,6-Dinitrotoluene	0.0081	1.0	0.0081	1		U
2-Chloronaphthalene	0.0053	1.0	0.0053	1		U
2-Chlorophenol	0.0074	0.43	0.0074	1		U
2-Methylnaphthalene	0.0023	1.0	0.0023	1		U
2-Methylphenol	0.0053	0.43	0.0053	1		U
2-Nitroaniline	0.0085	4.7	0.0085	1		U
2-Nitrophenol	0.019	0.43	0.019	1		U
3,3'-Dichlorobenzidine	0.058	1.9	0.058	1		U
3-Nitroaniline	0.058	4.7	0.058	1		U
4,6-Dinitro-2-methylphenol	0.24	4.7	0.24	1		U
4-Bromophenyl phenyl ether	0.0075	1.0	0.0075	1		U
4-Chloro-3-methylphenol	0.014	1.9	0.014	1		U
4-Chloroaniline	0.058	1.9	0.058	1		U
4-Chlorophenyl phenyl ether	0.0059	1.0	0.0059	1		U
4-Methylphenol	0.0041	2.9	0.0041	1		U
4-Nitroaniline	0.058	4.7	0.058	1		U
4-Nitrophenol	0.096	2.3	0.096	1		U
Acenaphthene	0.0048	1.0	0.0048	1		U
Acenaphthylene	0.0058	1.0	0.0058	1		U
Anthracene	0.0034	1.0	0.030	1		F
Benzo[a]anthracene	0.0050	1.0	0.12	1		F
Benzo[a]pyrene	0.014	1.0	0.12	1		F

Comments:

cnt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comments	Qualifiers
Benzo[b]fluoranthene	0.017	1.0	0.19	1		F
Benzo[g,h,i]perylene	0.019	1.0	0.044	1		F
Benzo[k]fluoranthene	0.016	1.0	0.082	1		F
Benzoic acid	0.54	7.2	0.54	1		U
Benzyl alcohol	0.0077	1.9	0.0077	1		U
bis(2-Chloroethoxy)methane	0.0044	1.0	0.0044	1		U
bis(2-chloroethyl)ether	0.0074	1.0	0.0074	1		U
bis(2-chloroisopropyl)ether	0.0082	1.0	0.0082	1		U
bis(2-Ethylhexyl)phthalate	0.021	1.0	0.063	1		F
Butyl benzyl phthalate	0.019	1.0	0.019	1		U
Chrysene	0.0040	1.0	0.14	1		F
Di-n-butyl phthalate	0.12	1.0	0.12	1		U
Di-n-octyl phthalate	0.0028	1.0	0.0028	1		U
Dibenz[a,h]anthracene	0.019	1.0	0.019	1		U
Dibenzofuran	0.0066	1.0	0.0066	1		U
Diethyl phthalate	0.0051	1.0	0.050	1		F
Dimethyl phthalate	0.0049	1.0	0.0049	1		U
Fluoranthene	0.014	1.0	0.24	1		F
Fluorene	0.0049	1.0	0.0049	1		U
Hexachlorobenzene	0.0078	1.0	0.0078	1		U
Hexachlorobutadiene	0.0043	1.0	0.0043	1		U
Hexachloroethane	0.058	1.0	0.058	1		U
Indeno[1,2,3-cd]pyrene	0.019	1.0	0.025	1		F
Isophorone	0.0040	1.0	0.0040	1		U
N-Nitroso-di-n-propylamine	0.019	1.0	0.019	1		U
N-Nitrosodiphenylamine	0.0032	1.0	0.0032	1		U
Naphthalene	0.0036	1.0	0.0036	1		U
Nitrobenzene	0.0051	1.0	0.0051	1		U
Pentachlorophenol	0.48	4.7	0.48	1		U
Phenanthrene	0.0021	1.0	0.14	1		F
Phenol	0.0044	0.43	0.0044	1		U
Pyrene	0.0032	1.0	0.24	1		F

Comments:

dvt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	84	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	73	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	77	40 - 120	
Terphenyl-d14	94	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	248533	114755 - 459020	
Acenaphthene-d10	455959	212442 - 849766	
Chrysene-d12	588484	329718 - 1318872	
Naphthalene-d8	840475	373748 - 1494990	
Perylene-d12	353141	339818 - 1359272	
Phenanthrene-d10	726104	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.90	0.0027	1		U
1,2-Dichlorobenzene	0.0036	0.90	0.0036	1		U
1,3-Dichlorobenzene	0.0045	0.90	0.0045	1		U
1,4-Dichlorobenzene	0.0062	0.90	0.0062	1		U
2,4,5-Trichlorophenol	0.027	4.2	0.027	1		U
2,4,6-Trichlorophenol	0.0073	0.38	0.0073	1		U
2,4-Dichlorophenol	0.0049	0.38	0.0049	1		U
2,4-Dimethylphenol	0.011	0.38	0.011	1		U
2,4-Dinitrophenol	0.43	4.2	0.43	1		U
2,4-Dinitrotoluene	0.0062	0.90	0.0062	1		U
2,6-Dinitrotoluene	0.0072	0.90	0.0072	1		U
2-Chloronaphthalene	0.0047	0.90	0.0047	1		U
2-Chlorophenol	0.0066	0.38	0.0066	1		U
2-Methylnaphthalene	0.0021	0.90	0.0021	1		U
2-Methylphenol	0.0048	0.38	0.0048	1		U
2-Nitroaniline	0.0076	4.2	0.0076	1		U
2-Nitrophenol	0.017	0.38	0.017	1		U
3,3'-Dichlorobenzidine	0.051	1.7	0.051	1		U
3-Nitroaniline	0.051	4.2	0.051	1		U
4,6-Dinitro-2-methylphenol	0.21	4.2	0.21	1		U
4-Bromophenyl phenyl ether	0.0066	0.90	0.0066	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.051	1.7	0.051	1		U
4-Chlorophenyl phenyl ether	0.0052	0.90	0.0052	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.051	4.2	0.051	1		U
4-Nitrophenol	0.086	2.1	0.086	1		U
Acenaphthene	0.0042	0.90	0.0042	1		U
Acenaphthylene	0.0051	0.90	0.0051	1		U
Anthracene	0.0030	0.90	0.0030	1		U
Benzo[a]anthracene	0.0044	0.90	0.047	1		F
Benzo[a]pyrene	0.013	0.90	0.060	1		EQF

Comments:

AMT 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.015	0.90	0.10	1		~~FQ~~ F
Benzo[g,h,i]perylene	0.017	0.90	0.032	1		~~FQ~~ F
Benzo[k]fluoranthene	0.014	0.90	0.051	1		~~FQ~~ F
Benzoic acid	0.48	6.4	0.48	1		U
Benzyl alcohol	0.0068	1.7	0.0068	1		U
bis(2-Chloroethoxy)methane	0.0039	0.90	0.0039	1		U
bis(2-chloroethyl)ether	0.0066	0.90	0.0066	1		U
bis(2-chloroisopropyl)ether	0.0073	0.90	0.0073	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.90	0.39	1		F
Butyl benzyl phthalate	0.017	0.90	0.017	1		U
Chrysene	0.0036	0.90	0.079	1		F
Di-n-butyl phthalate	0.11	0.90	0.11	1		U
Di-n-octyl phthalate	0.0025	0.90	0.030	1		F
Dibenz[a,h]anthracene	0.017	0.90	0.017	1		~~UQ~~ ~~U~~ UM
Dibenzofuran	0.0059	0.90	0.0059	1		U
Diethyl phthalate	0.0045	0.90	0.047	1		F
Dimethyl phthalate	0.0044	0.90	0.0044	1		U
Fluoranthene	0.013	0.90	0.11	1		F
Fluorene	0.0044	0.90	0.0044	1		U
Hexachlorobenzene	0.0069	0.90	0.0069	1		U
Hexachlorobutadiene	0.0039	0.90	0.0039	1		U
Hexachloroethane	0.051	0.90	0.051	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.90	0.017	1		U
Isophorone	0.0035	0.90	0.0035	1		U
N-Nitroso-di-n-propylamine	0.017	0.90	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.90	0.0029	1		U
Naphthalene	0.0032	0.90	0.0032	1		U
Nitrobenzene	0.0046	0.90	0.0046	1		U
Pentachlorophenol	0.43	4.2	0.43	1		U
Phenanthrene	0.0019	0.90	0.050	1		F
Phenol	0.0039	0.38	0.0039	1		U
Pyrene	0.0029	0.90	0.14	1		F

Comments:

cnt 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	79	36 - 126	
2-Fluorobiphenyl	79	43 - 120	
2-Fluorophenol	62	37 - 120	
Nitrobenzene-d5	63	37 - 120	
Phenol-d5	71	40 - 120	
Terphenyl-d14	120	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	278342	114755 - 459020	
Acenaphthene-d10	510541	212442 - 849766	
Chrysene-d12	475843	329718 - 1318872	
Naphthalene-d8	954205	373748 - 1494990	
Perylene-d12	236829	339818 - 1359272	*
Phenanthrene-d10	796211	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.0029	0.98	0.048	1		F
1,2-Dichlorobenzene	0.0040	0.98	2.1	1		
1,3-Dichlorobenzene	0.0049	0.98	0.034	1		F
1,4-Dichlorobenzene	0.0068	0.98	0.27	1		F
2,4,5-Trichlorophenol	0.029	4.6	0.029	1		U
2,4,6-Trichlorophenol	0.0079	0.42	0.0079	1		U
2,4-Dichlorophenol	0.0053	0.42	0.0053	1		U
2,4-Dimethylphenol	0.011	0.42	0.011	1		U
2,4-Dinitrophenol	0.47	4.6	0.47	1		U
2,4-Dinitrotoluene	0.0067	0.98	0.0067	1		U
2,6-Dinitrotoluene	0.0078	0.98	0.0078	1		U
2-Chloronaphthalene	0.0051	0.98	0.0051	1		U
2-Chlorophenol	0.0072	0.42	0.0072	1		U
2-Methylnaphthalene	0.0022	0.98	0.089	1		F
2-Methylphenol	0.0052	0.42	0.0052	1		U
2-Nitroaniline	0.0082	4.6	0.0082	1		U
2-Nitrophenol	0.019	0.42	0.019	1		U
3,3'-Dichlorobenzidine	0.056	1.8	0.056	1		U
3-Nitroaniline	0.056	4.6	0.056	1		U
4,6-Dinitro-2-methylphenol	0.23	4.6	0.23	1		U
4-Bromophenyl phenyl ether	0.0072	0.98	0.0072	1		U
4-Chloro-3-methylphenol	0.014	1.8	0.014	1		U
4-Chloroaniline	0.056	1.8	0.056	1		U
4-Chlorophenyl phenyl ether	0.0057	0.98	0.0057	1		U
4-Methylphenol	0.0040	2.8	0.0040	1		U
4-Nitroaniline	0.056	4.6	0.056	1		U
4-Nitrophenol	0.093	2.2	0.093	1		U
Acenaphthene	0.0046	0.98	0.0046	1		U
Acenaphthylene	0.0056	0.98	0.0056	1		U
Anthracene	0.0033	0.98	0.037	1		F
Benzo[a]anthracene	0.0048	0.98	0.48	1		F
Benzo[a]pyrene	0.014	0.98	0.51	1		~~EQ~~ F

Comments:

CMT 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	PRL	Concentration	Dilution	Comments	Qualifier
Benzo[b]fluoranthene	0.016	0.98	0.77	1		~~FQ~~ F
Benzo[g,h,i]perylene	0.019	0.98	0.21	1		~~FQ~~ F
Benzo[k]fluoranthene	0.016	0.98	0.37	1		~~FQ~~ F
Benzoic acid	0.52	7.0	0.52	1		U
Benzyl alcohol	0.0074	1.8	0.0074	1		U
bis(2-Chloroethoxy)methane	0.0043	0.98	0.0043	1		U
bis(2-chloroethyl)ether	0.0072	0.98	0.0072	1		U
bis(2-chloroisopropyl)ether	0.0080	0.98	0.0080	1		U
bis(2-Ethylhexyl)phthalate	0.021	0.98	0.26	1		F
Butyl benzyl phthalate	0.019	0.98	0.019	1		U
Chrysene	0.0039	0.98	0.45	1		F
Di-n-butyl phthalate	0.12	0.98	0.12	1		U
Di-n-octyl phthalate	0.0027	0.98	0.0027	1		U
Dibenz[a,h]anthracene	0.019	0.98	0.071	1		~~FQ~~ F
Dibenzofuran	0.0064	0.98	0.0064	1		U
Diethyl phthalate	0.0049	0.98	0.053	1		F
Dimethyl phthalate	0.0048	0.98	0.0048	1		U
Fluoranthene	0.014	0.98	0.46	1		F
Fluorene	0.0048	0.98	0.0048	1		U
Hexachlorobenzene	0.0075	0.98	0.0075	1		U
Hexachlorobutadiene	0.0042	0.98	0.0042	1		U
Hexachloroethane	0.056	0.98	0.056	1		U
Indeno[1,2,3-cd]pyrene	0.019	0.98	0.10	1		F
Isophorone	0.0039	0.98	0.0039	1		U
N-Nitroso-di-n-propylamine	0.019	0.98	0.019	1		U
N-Nitrosodiphenylamine	0.0031	0.98	0.0031	1		U
Naphthalene	0.0035	0.98	0.041	1		F
Nitrobenzene	0.0050	0.98	0.0050	1		U
Pentachlorophenol	0.47	4.6	0.47	1		U
Phenanthrene	0.0020	0.98	0.12	1		F
Phenol	0.0043	0.42	0.0043	1		U
Pyrene	0.0031	0.98	0.61	1		F

Comments:

Ont 12/1/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	72	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	76	37 - 120	
Nitrobenzene-d5	76	37 - 120	
Phenol-d5	80	40 - 120	
Terphenyl-d14	120	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	265791	114755 - 459020	
Acenaphthene-d10	485906	212442 - 849766	
Chrysene-d12	441817	329718 - 1318872	
Naphthalene-d8	905510	373748 - 1494990	
Perylene-d12	217260	339818 - 1359272	*
Phenanthrene-d10	750680	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifiers
1,2,4-Trichlorobenzene	0.0035	1.2	0.0035	1		U
1,2-Dichlorobenzene	0.0048	1.2	0.0048	1		U
1,3-Dichlorobenzene	0.0060	1.2	0.0060	1		U
1,4-Dichlorobenzene	0.0082	1.2	0.0082	1		U
2,4,5-Trichlorophenol	0.035	5.6	0.035	1		U
2,4,6-Trichlorophenol	0.0096	0.51	0.0096	1		U
2,4-Dichlorophenol	0.0064	0.51	0.0064	1		U
2,4-Dimethylphenol	0.014	0.51	0.014	1		U
2,4-Dinitrophenol	0.56	5.6	0.56	1		U
2,4-Dinitrotoluene	0.0082	1.2	0.0082	1		U
2,6-Dinitrotoluene	0.0095	1.2	0.0095	1		U
2-Chloronaphthalene	0.0062	1.2	0.0062	1		U
2-Chlorophenol	0.0087	0.51	0.0087	1		U
2-Methylnaphthalene	0.0027	1.2	0.0027	1		U
2-Methylphenol	0.0063	0.51	0.0063	1		U
2-Nitroaniline	0.010	5.6	0.010	1		U
2-Nitrophenol	0.023	0.51	0.023	1		U
3,3'-Dichlorobenzidine	0.068	2.2	0.068	1		U
3-Nitroaniline	0.068	5.6	0.068	1		U
4,6-Dinitro-2-methylphenol	0.28	5.6	0.28	1		U
4-Bromophenyl phenyl ether	0.0088	1.2	0.0088	1		U
4-Chloro-3-methylphenol	0.017	2.2	0.017	1		U
4-Chloroaniline	0.068	2.2	0.068	1		U
4-Chlorophenyl phenyl ether	0.0069	1.2	0.0069	1		U
4-Methylphenol	0.0048	3.4	0.0048	1		U
4-Nitroaniline	0.068	5.6	0.068	1		U
4-Nitrophenol	0.11	2.7	0.11	1		U
Acenaphthene	0.0056	1.2	0.0056	1		U
Acenaphthylene	0.0068	1.2	0.0068	1		U
Anthracene	0.0039	1.2	0.0039	1		U
Benzo[a]anthracene	0.0059	1.2	0.0059	1		U
Benzo[a]pyrene	0.017	1.2	0.017	1		U UQ UM

Comments:

CWT 1/21/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Carbon	Qualifier
Benzo[b]fluoranthene	0.019	1.2	0.019	1		~~UQ~~ UM
Benzo[g,h,i]perylene	0.023	1.2	0.023	1		~~UQ~~ UM
Benzo[k]fluoranthene	0.019	1.2	0.019	1		~~UQ~~ UM
Benzoic acid	0.63	8.5	0.63	1		U
Benzyl alcohol	0.0090	2.2	0.0090	1		U
bis(2-Chloroethoxy)methane	0.0052	1.2	0.0052	1		U
bis(2-chloroethyl)ether	0.0087	1.2	0.0087	1		U
bis(2-chloroisopropyl)ether	0.0096	1.2	0.0096	1		U
bis(2-Ethylhexyl)phthalate	0.025	1.2	0.14	1		F
Butyl benzyl phthalate	0.023	1.2	0.023	1		U
Chrysene	0.0047	1.2	0.0047	1		U
Di-n-butyl phthalate	0.14	1.2	0.14	1		U
Di-n-octyl phthalate	0.0033	1.2	0.0033	1		U
Dibenz[a,h]anthracene	0.023	1.2	0.023	1		~~UQ~~ UM
Dibenzofuran	0.0077	1.2	0.0077	1		U
Diethyl phthalate	0.0059	1.2	0.060	1		F
Dimethyl phthalate	0.0058	1.2	0.0058	1		U
Fluoranthene	0.017	1.2	0.017	1		U
Fluorene	0.0058	1.2	0.0058	1		U
Hexachlorobenzene	0.0091	1.2	0.0091	1		U
Hexachlorobutadiene	0.0051	1.2	0.0051	1		U
Hexachloroethane	0.068	1.2	0.068	1		U
Indeno[1,2,3-cd]pyrene	0.023	1.2	0.023	1		U
Isophorone	0.0047	1.2	0.0047	1		U
N-Nitroso-di-n-propylamine	0.023	1.2	0.023	1		U
N-Nitrosodiphenylamine	0.0038	1.2	0.0038	1		U
Naphthalene	0.0043	1.2	0.0043	1		U
Nitrobenzene	0.0060	1.2	0.0060	1		U
Pentachlorophenol	0.56	5.6	0.56	1		U
Phenanthrene	0.0025	1.2	0.0025	1		U
Phenol	0.0052	0.51	0.0052	1		U
Pyrene	0.0038	1.2	0.0038	1		U

Comments:

cwt 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	71	36 - 126	
2-Fluorobiphenyl	85	43 - 120	
2-Fluorophenol	82	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	86	40 - 120	
Terphenyl-d14	124	32 - 120	*

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	270290	114755 - 459020	
Acenaphthene-d10	492382	212442 - 849766	
Chrysene-d12	387150	329718 - 1318872	
Naphthalene-d8	938554	373748 - 1494990	
Perylene-d12	185744	339818 - 1359272	*
Phenanthrene-d10	742386	366838 - 1467354	

Comments:

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0101BB	0710130-001BMS
TMCSD0101BB	0710130-001BMSD
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Result	Dilution	Qualifiers
Aluminum	4.8	24	[illegible]	1	~~F~~
Antimony	0.54	12	0.54	1	~~UF~~ U
Arsenic	0.48	6.0	3.0	1	F
Barium	0.045	1.2	17	1	
Beryllium	0.0068	1.2	0.18	1	F
Cadmium	0.037	0.60	0.037	1	U
Calcium	2.0	120	[illegible]	1	
Chromium	0.17	1.2	4.9	1	
Cobalt	0.18	1.2	[illegible]	1	
Copper	0.48	2.4	[illegible]	1	
Iron	0.56	3.6	[illegible]	1	~~F~~
Lead	0.17	3.6	1.9	1	F
Magnesium	4.8	120	[illegible]	1	
Manganese	0.028	1.2	[illegible]	1	
Molybdenum	0.28	3.6	0.28	1	U
Nickel	0.24	2.4	7.1	1	
Potassium	24	240	520	1	
Selenium	0.23	3.6	0.61	1	F
Silver	0.12	1.2	0.12	1	U
Sodium	9.6	120	44	1	F
Thallium	0.62	7.2	0.62	1	U
Vanadium	0.099	1.2	6.9	1	
Zinc	0.96	2.4	18	1	

Clint 12/1/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL				
Aluminum	5.2	26	2900	1	
Antimony	0.59	13	0.59	1	U
Arsenic	0.52	6.5	1.1	1	F
Barium	0.049	1.3	14	1	
Beryllium	0.0074	1.3	0.12	1	F
Cadmium	0.040	0.65	0.040	1	U
Calcium	2.2	130	4000	1	
Chromium	0.18	1.3	4.0	1	
Cobalt	0.19	1.3	2.2	1	
Copper	0.52	2.6	7.3	1	
Iron	0.61	3.9	7400	1	
Lead	0.18	3.9	1.9	1	F
Magnesium	5.2	130	1500	1	
Manganese	0.030	1.3	110	1	
Molybdenum	0.30	3.9	0.30	1	U
Nickel	0.26	2.6	5.4	1	
Potassium	26	260	420	1	
Selenium	0.25	3.9	0.41	1	F
Silver	0.13	1.3	0.13	1	U
Sodium	10	130	31	1	F
Thallium	0.68	7.8	0.68	1	U
Vanadium	0.11	1.3	6.4	1	
Zinc	1.0	2.6	22	1	

CVA
1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Aluminum	5.2	26	3600	1	
Antimony	0.59	13	0.59	1	U
Arsenic	0.52	6.5	2.0	1	F
Barium	0.049	1.3	16	1	
Beryllium	0.0074	1.3	0.17	1	F
Cadmium	0.040	0.65	0.30	1	F
Calcium	2.2	130	4400	1	
Chromium	0.18	1.3	5.3	1	
Cobalt	0.19	1.3	3.1	1	
Copper	0.52	2.6	10	1	
Iron	0.61	3.9	7900	1	
Lead	0.18	3.9	5.5	1	
Magnesium	5.2	130	1900	1	
Manganese	0.030	1.3	210	1	
Molybdenum	0.30	3.9	0.46	1	F
Nickel	0.26	2.6	7.5	1	
Potassium	26	260	480	1	
Selenium	0.25	3.9	0.40	1	F
Silver	0.13	1.3	0.13	1	U
Sodium	10	130	42	1	F
Thallium	0.68	7.8	0.68	1	U
Vanadium	0.11	1.3	9.2	1	
Zinc	1.0	2.6	30	1	

AWK 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Aluminum	5.0	25	2500	1	
Antimony	0.57	13	0.57	1	U
Arsenic	0.50	6.3	2.1	1	F
Barium	0.047	1.3	24	1	
Beryllium	0.0072	1.3	0.11	1	F
Cadmium	0.038	0.63	0.44	1	F
Calcium	2.1	130	2700	1	
Chromium	0.18	1.3	4.8	1	
Cobalt	0.19	1.3	2.4	1	
Copper	0.50	2.5	5.4	1	
Iron	0.59	3.8	6400	1	
Lead	0.18	3.8	8.4	1	
Magnesium	5.0	130	1600	1	
Manganese	0.029	1.3	260	1	
Molybdenum	0.29	3.8	0.29	1	U
Nickel	0.25	2.5	5.5	1	
Potassium	25	250	320	1	
Selenium	0.24	3.8	0.45	1	F
Silver	0.12	1.3	0.12	1	U
Sodium	10	130	27	1	F
Thallium	0.66	7.5	0.66	1	U
Vanadium	0.10	1.3	5.7	1	
Zinc	1.0	2.5	34	1	

CWS 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	PQL	Result	Dilution Factor	Qualifier
Aluminum	5.8	29	3600	1	
Antimony	0.65	14	0.65	1	U
Arsenic	0.58	7.2	2.1	1	F
Barium	0.054	1.4	34	1	
Beryllium	0.0082	1.4	0.18	1	F
Cadmium	0.044	0.72	0.53	1	F
Calcium	2.5	140	3700	1	
Chromium	0.20	1.4	6.0	1	
Cobalt	0.21	1.4	2.8	1	
Copper	0.58	2.9	13	1	
Iron	0.68	4.3	8300	1	
Lead	0.20	4.3	9.0	1	
Magnesium	5.8	140	1600	1	
Manganese	0.034	1.4	180	1	
Molybdenum	0.33	4.3	0.33	1	U
Nickel	0.29	2.9	7.1	1	
Potassium	29	290	460	1	
Selenium	0.28	4.3	0.54	1	F
Silver	0.14	1.4	0.14	1	U
Sodium	12	140	56	1	F
Thallium	0.75	8.6	0.75	1	U
Vanadium	0.12	1.4	8.6	1	
Zinc	1.2	2.9	33	1	

ark 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Result	Dilution Factor	Qualifier
Aluminum	5.1	26	2700	1	
Antimony	0.58	13	0.58	1	U
Arsenic	0.51	6.4	1.0	1	F
Barium	0.048	1.3	15	1	
Beryllium	0.0073	1.3	0.10	1	F
Cadmium	0.039	0.64	0.044	1	F
Calcium	2.2	130	5800	1	
Chromium	0.18	1.3	5.0	1	
Cobalt	0.19	1.3	1.9	1	
Copper	0.51	2.6	8.8	1	
Iron	0.60	3.8	6200	1	
Lead	0.18	3.8	4.1	1	
Magnesium	5.1	130	1700	1	
Manganese	0.030	1.3	59	1	
Molybdenum	0.30	3.8	0.30	1	U
Nickel	0.26	2.6	5.3	1	
Potassium	26	260	420	1	
Selenium	0.25	3.8	0.28	1	F
Silver	0.12	1.3	0.12	1	U
Sodium	10	130	34	1	F
Thallium	0.67	7.7	0.67	1	U
Vanadium	0.11	1.3	6.0	1	
Zinc	1.0	2.6	32	1	

ENK 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	PQL	Result	Dilution	Qualifier
Aluminum	5.6	28	4000	1	
Antimony	0.63	14	0.63	1	U
Arsenic	0.56	7.0	5.7	1	F
Barium	0.053	1.4	42	1	
Beryllium	0.0080	1.4	0.34	1	F
Cadmium	0.043	0.70	0.23	1	F
Calcium	2.4	140	62000	1	
Chromium	0.20	1.4	12	1	
Cobalt	0.21	1.4	4.0	1	
Copper	0.56	2.8	9.8	1	
Iron	0.66	4.2	9800	1	
Lead	0.20	4.2	7.6	1	
Magnesium	5.6	140	2700	1	
Manganese	0.033	1.4	230	1	
Molybdenum	0.32	4.2	1.3	1	F
Nickel	0.28	2.8	19	1	
Potassium	28	280	450	1	
Selenium	0.27	4.2	0.57	1	F
Silver	0.14	1.4	0.14	1	U
Sodium	11	140	71	1	F
Thallium	0.73	8.4	0.73	1	U
Vanadium	0.12	1.4	67	1	
Zinc	1.1	2.8	120	1	

cwt
1/24/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	PQL	Concentration	Dilution Factor	Qualifier
Aluminum	6.8	34	30000	1	
Antimony	0.76	17	0.76	1	U
Arsenic	0.68	8.5	4.7	1	F
Barium	0.064	1.7	260	1	
Beryllium	0.0096	1.7	1.1	1	F
Cadmium	0.052	0.85	0.095	1	F
Calcium	2.9	170	5100	1	
Chromium	0.24	1.7	38	1	
Cobalt	0.25	1.7	10	1	
Copper	0.68	3.4	15	1	
Iron	0.79	5.1	25000	1	
Lead	0.24	5.1	15	1	
Magnesium	6.8	170	6200	1	
Manganese	0.039	1.7	250	1	
Molybdenum	0.39	5.1	1.1	1	F
Nickel	0.34	3.4	25	1	
Potassium	34	340	2100	1	
Selenium	0.32	5.1	1.1	1	F
Silver	0.16	1.7	0.16	1	U
Sodium	14	170	57	1	F
Thallium	0.88	10	0.88	1	U
Vanadium	0.14	1.7	57	1	
Zinc	1.4	3.4	85	1	

cnt 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

[redacted]	[redacted]
TMCSD0101BB	0710130-001B
TMCSD0101BB	0710130-001BMS
TMCSD0101BB	0710130-001BMSD
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci **Name:** Monika Santucci

Date: 11/29/07 **Title:** Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0040	0.12	0.0060	1	F

cwt 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0044	0.13	0.0044	1	U

cnt 1/24/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0044	0.13	0.012	1	F

cnt 12/4/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0042	0.13	0.010	1	F

CAT 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0048	0.14	0.024	1	F

cnt 1/24/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0043	0.13	0.0048	1	F

CWK 1/21/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0047	0.14	0.035	1	F

CWT
1/24/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0057	0.17	0.12	1	F

cwt 1/24/08

Comments

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8081A

AAB #: 6435

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/17/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111528.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
alpha-BHC	0.00018	0.0020	0.00018	1	0.00018	U
beta-BHC	0.00051	0.0020	0.00051	1	0.00051	U
delta-BHC	0.00011	0.0020	0.00011	1	0.00011	U
gamma-BHC	0.00019	0.0020	0.00019	1	0.00019	U
alpha-Chlordane	0.00020	0.0020	0.00020	1	0.00020	U
gamma-Chlordane	0.00014	0.0020	0.00014	1	0.00014	U
4,4'-DDD	0.00017	0.0040	0.00017	1	0.00017	U
4,4'-DDE	0.00013	0.0040	0.00013	1	0.00013	U
4,4'-DDT	0.00018	0.0040	0.00018	1	0.00018	~~UG~~U/M
Aldrin	0.00016	0.0020	0.00016	1	0.00016	U
Endosulfan I	0.00014	0.0020	0.00014	1	0.00014	U
Endosulfan sulfate	0.00025	0.0040	0.00025	1	0.00025	U
Endrin	0.00017	0.0040	0.00017	1	0.00017	U
Endrin aldehyde	0.00041	0.0040	0.00041	1	0.00041	U
Heptachlor	0.00018	0.0020	0.00018	1	0.00018	U
Heptachlor epoxide	0.00018	0.0020	0.00018	1	0.00018	U
Methoxychlor	0.00037	0.020	0.00037	1	0.00037	U
Toxaphene	0.0077	0.12	0.0077	1	0.0077	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	56 - 132	
Tetrachloro-m-xylene	91	69 - 124	

LWK 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111528.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00014	0.0040	0.00056	1	0.00048	F
Endosulfan II	0.00012	0.0040	0.00040	1	0.00016	~~FJ~~ F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	56 - 132	
Tetrachloro-m-xylene	98	69 - 124	

cwt 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111529.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00020	0.0022	0.00020	1	0.00020	U
beta-BHC	0.00056	0.0022	0.00056	1	0.00056	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00016	0.0022	0.00016	1	0.00016	U
4,4'-DDD	0.00018	0.0043	0.0029	1	0.00020	~~FJ~~ F
4,4'-DDE	0.00014	0.0043	0.00014	1	0.00014	U
4,4'-DDT	0.00020	0.0043	0.00020	1	0.00020	~~UG~~ UM
Aldrin	0.00017	0.0022	0.00017	1	0.00017	U
Endosulfan I	0.00016	0.0022	0.00016	1	0.00016	U
Endosulfan II	0.00013	0.0043	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0043	0.00027	1	0.00027	U
Endrin aldehyde	0.00044	0.0043	0.00044	1	0.00044	U
Heptachlor	0.00020	0.0022	0.00020	1	0.00020	U
Heptachlor epoxide	0.00020	0.0022	0.00020	1	0.00020	U
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0084	0.13	0.0084	1	0.0084	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	84	56 - 132	
Tetrachloro-m-xylene	88	69 - 124	

VA 12/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111529.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00016	0.0043	0.0025	1	0.0016	~~NJ~~ F
Endrin	0.00018	0.0043	0.0011	1	0.00078	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	56 - 132	
Tetrachloro-m-xylene	90	69 - 124	

CDA 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111530.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Comments	Qualifier
alpha-BHC	0.00020	0.0022	0.00020	1	0.00020	U
beta-BHC	0.00056	0.0022	0.00056	1	0.00056	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00016	0.0022	0.00016	1	0.00016	U
4,4'-DDD	0.00018	0.0043	0.0028	1	0.0020	F
4,4'-DDE	0.00014	0.0043	0.0037	1	0.0035	F
4,4'-DDT	0.00020	0.0043	0.00020	1	0.00020	~~UQ~~ UM
Aldrin	0.00017	0.0022	0.0010	1	0.00096	F
Endosulfan I	0.00016	0.0022	0.00016	1	0.00016	U
Endosulfan II	0.00013	0.0043	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0043	0.00027	1	0.00027	U
Endrin	0.00018	0.0043	0.00018	1	0.00018	U
Endrin aldehyde	0.00044	0.0043	0.00044	1	0.00044	U
Heptachlor	0.00020	0.0022	0.00020	1	0.00020	U
Heptachlor epoxide	0.00020	0.0022	0.00048	1	0.00048	F
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0084	0.13	0.0084	1	0.0084	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	80	56 - 132	
Tetrachloro-m-xylene	82	69 - 124	

WA
1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111530.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00016	0.0043	0.0065	1	0.0045	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	56 - 132	
Tetrachloro-m-xylene	88	69 - 124	

CWK 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111531.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
alpha-BHC	0.00019	0.0021	0.00019	1	0.00019	U
beta-BHC	0.00054	0.0021	0.00054	1	0.00054	U
delta-BHC	0.00011	0.0021	0.00011	1	0.00011	U
gamma-BHC	0.00020	0.0021	0.00020	1	0.00020	U
alpha-Chlordane	0.00021	0.0021	0.00021	1	0.00021	U
gamma-Chlordane	0.00015	0.0021	0.00015	1	0.00015	U
4,4'-DDD	0.00018	0.0042	0.0045	1	0.0011	J
4,4'-DDE	0.00014	0.0042	0.00014	1	0.00014	U
4,4'-DDT	0.00019	0.0042	0.00019	1	0.00019	~~U~~ LIM
Aldrin	0.00016	0.0021	0.00016	1	0.00016	U
Endosulfan I	0.00015	0.0021	0.00015	1	0.00015	U
Endosulfan sulfate	0.00026	0.0042	0.00026	1	0.00026	U
Endrin	0.00018	0.0042	0.00018	1	0.00018	U
Endrin aldehyde	0.00043	0.0042	0.00043	1	0.00043	U
Heptachlor	0.00019	0.0021	0.00019	1	0.00019	U
Methoxychlor	0.00039	0.021	0.00039	1	0.00039	U
Toxaphene	0.0081	0.13	0.0081	1	0.0081	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	78	56 - 132	
Tetrachloro-m-xylene	82	69 - 124	

CWK 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111531.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00015	0.0042	0.0068	1	0.0036	J
Endosulfan II	0.00013	0.0042	0.0039	1	0.00037	~~FJ~~ F
Heptachlor epoxide	0.00019	0.0021	0.00075	1	0.00067	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	96	56 - 132	
Tetrachloro-m-xylene	94	69 - 124	

EVA
1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111532.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00022	0.0024	0.00022	1	0.00022	U
beta-BHC	0.00062	0.0024	0.00062	1	0.00062	U
delta-BHC	0.00013	0.0024	0.00013	1	0.00013	U
gamma-BHC	0.00023	0.0024	0.00023	1	0.00023	U
alpha-Chlordane	0.00024	0.0024	0.00024	1	0.00024	U
gamma-Chlordane	0.00017	0.0024	0.00017	1	0.00017	U
4,4'-DDD	0.00020	0.0047	0.0055	1	0.0025	J
4,4'-DDT	0.00022	0.0047	0.00022	1	0.00022	UQ
Aldrin	0.00019	0.0024	0.00019	1	0.00019	U
Endosulfan I	0.00017	0.0024	0.00017	1	0.00017	U
Endosulfan II	0.00014	0.0047	0.00014	1	0.00014	U
Endosulfan sulfate	0.00030	0.0047	0.00030	1	0.00030	U
Endrin	0.00020	0.0047	0.00020	1	0.00020	U
Endrin aldehyde	0.00049	0.0047	0.00049	1	0.00049	U
Heptachlor	0.00022	0.0024	0.00022	1	0.00022	U
Methoxychlor	0.00045	0.024	0.00045	1	0.00045	U
Toxaphene	0.0092	0.14	0.0092	1	0.0092	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	73	56 - 132	
Tetrachloro-m-xylene	75	69 - 124	

CVA 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111532.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
4,4'-DDE	0.00016	0.0047	0.0018	1	0.00062	~~EJ~~ F
Dieldrin	0.00017	0.0047	0.013	1	0.0085	J
Heptachlor epoxide	0.00022	0.0024	0.0024	1	0.0011	J

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	56 - 132	
Tetrachloro-m-xylene	86	69 - 124	

CWK 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111533.rst
Data Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
alpha-BHC	0.00019	0.0022	0.00019	1	0.00019	U
beta-BHC	0.00055	0.0022	0.00055	1	0.00055	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00015	0.0022	0.00015	1	0.00015	U
4,4'-DDD	0.00018	0.0042	0.0021	1	0.00043	~~FJ~~ F
4,4'-DDE	0.00014	0.0042	0.00014	1	0.00014	U
4,4'-DDT	0.00019	0.0042	0.00019	1	0.00019	~~UQ~~ UM
Aldrin	0.00017	0.0022	0.00017	1	0.00017	U
Endosulfan I	0.00015	0.0022	0.00015	1	0.00015	U
Endosulfan II	0.00013	0.0042	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0042	0.00027	1	0.00027	U
Endrin	0.00018	0.0042	0.00018	1	0.00018	U
Endrin aldehyde	0.00044	0.0042	0.00044	1	0.00044	U
Heptachlor	0.00019	0.0022	0.00019	1	0.00019	U
Heptachlor epoxide	0.00019	0.0022	0.00019	1	0.00019	U
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0082	0.13	0.0082	1	0.0082	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	69	56 - 132	
Tetrachloro-m-xylene	80	69 - 124	

WK 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111533.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00015	0.0042	0.0033	1	0.00021	~~EJ~~ F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	56 - 132	
Tetrachloro-m-xylene	93	69 - 124	

ENA 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111534.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00021	0.0024	0.00021	1	0.00021	U
beta-BHC	0.00060	0.0024	0.00060	1	0.00060	U
delta-BHC	0.00013	0.0024	0.00013	1	0.00013	U
gamma-BHC	0.00022	0.0024	0.00022	1	0.00022	U
alpha-Chlordane	0.00024	0.0024	0.00093	1	0.00042	~~PJ~~ F
gamma-Chlordane	0.00017	0.0024	0.00017	1	0.00017	U
4,4'-DDD	0.00020	0.0046	0.0038	1	0.0017	~~PJ~~ F
4,4'-DDE	0.00015	0.0046	0.00015	1	0.00015	U
4,4'-DDT	0.00021	0.0046	0.00021	1	0.00021	~~UQ~~ LLM
Aldrin	0.00018	0.0024	0.00018	1	0.00018	U
Endosulfan I	0.00017	0.0024	0.00017	1	0.00017	U
Endosulfan sulfate	0.00029	0.0046	0.00029	1	0.00029	U
Endrin	0.00020	0.0046	0.00020	1	0.00020	U
Endrin aldehyde	0.00047	0.0046	0.00047	1	0.00047	U
Heptachlor	0.00021	0.0024	0.00021	1	0.00021	U
Methoxychlor	0.00043	0.024	0.00043	1	0.00043	U
Toxaphene	0.0089	0.14	0.0089	1	0.0089	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	64	56 - 132	
Tetrachloro-m-xylene	71	69 - 124	

WT 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111534.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00017	0.0046	0.0065	1	0.0052	
Endosulfan II	0.00014	0.0046	0.0064	1	0.00035	J
Heptachlor epoxide	0.00021	0.0024	0.0013	1	0.00051	~~FJ~~ F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	56 - 132	
Tetrachloro-m-xylene	89	69 - 124	

cnt 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111535.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00025	0.0029	0.00025	1	0.00025	UJ
beta-BHC	0.00073	0.0029	0.00073	1	0.00073	UJ
delta-BHC	0.00015	0.0029	0.00015	1	0.00015	UJ
gamma-BHC	0.00027	0.0029	0.00027	1	0.00027	UJ
alpha-Chlordane	0.00029	0.0029	0.00029	1	0.00029	UJ
gamma-Chlordane	0.00020	0.0029	0.00020	1	0.00020	UJ
4,4'-DDD	0.00024	0.0056	0.00024	1	0.00024	UJ
4,4'-DDE	0.00019	0.0056	0.0020	1	0.00030	~~UJ~~ F
4,4'-DDT	0.00025	0.0056	0.00025	1	0.00025	~~UJ~~ M
Aldrin	0.00022	0.0029	0.00022	1	0.00022	UJ
Dieldrin	0.00020	0.0056	0.00020	1	0.00020	UJ
Endosulfan I	0.00020	0.0029	0.00020	1	0.00020	UJ
Endosulfan sulfate	0.00036	0.0056	0.00036	1	0.00036	UJ
Endrin	0.00024	0.0056	0.00024	1	0.00024	UJ
Endrin aldehyde	0.00058	0.0056	0.00058	1	0.00058	UJ
Heptachlor	0.00025	0.0029	0.00025	1	0.00025	UJ
Heptachlor epoxide	0.00025	0.0029	0.00025	1	0.00025	UJ
Methoxychlor	0.00052	0.029	0.00052	1	0.00052	UJ
Toxaphene	0.011	0.17	0.011	1	0.011	UJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	61	56 - 132	
Tetrachloro-m-xylene	68	69 - 124	*

CWK 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111535.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Endosulfan II	0.00017	0.0056	0.00045	1	0.00037	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	56 - 132	
Tetrachloro-m-xylene	89	69 - 124	

CVA 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6440
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1113	**File ID:**	F:\90oct07\C102931.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	30-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00262	0.0204	0.00262	1		U
Aroclor 1221	0.00266	0.0204	0.00266	1		U
Aroclor 1232	0.00162	0.0204	0.00162	1		U
Aroclor 1242	0.00219	0.0204	0.00219	1		U
Aroclor 1248	0.00428	0.0204	0.00428	1		U
Aroclor 1254	0.00568	0.0204	0.00568	1		U
Aroclor 1260	0.00240	0.0204	0.00240	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	119	58 - 125	

LMT 1/21/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110506.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00286	0.0222	0.00286	1		U
Aroclor 1221	0.00290	0.0222	0.00290	1		U
Aroclor 1232	0.00176	0.0222	0.00176	1		U
Aroclor 1242	0.00239	0.0222	0.00239	1		U
Aroclor 1248	0.00466	0.0222	0.00466	1		U
Aroclor 1254	0.00619	0.0222	0.00619	1		U
Aroclor 1260	0.00261	0.0222	0.0167	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	111	58 - 125	

CWK 1/25/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110507.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00286	0.0222	0.00286	1		U
Aroclor 1221	0.00290	0.0222	0.00290	1		U
Aroclor 1232	0.00176	0.0222	0.00176	1		U
Aroclor 1242	0.00239	0.0222	0.00239	1		U
Aroclor 1248	0.00466	0.0222	0.00466	1		U
Aroclor 1254	0.00619	0.0222	0.00619	1		U
Aroclor 1260	0.00261	0.0222	0.0381	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

WA 11/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110508.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00275	0.0214	0.00275	1		U
Aroclor 1221	0.00279	0.0214	0.00279	1		U
Aroclor 1232	0.00170	0.0214	0.00170	1		U
Aroclor 1242	0.00230	0.0214	0.00230	1		U
Aroclor 1248	0.00449	0.0214	0.00449	1		U
Aroclor 1254	0.00596	0.0214	0.00596	1		U
Aroclor 1260	0.00252	0.0214	0.0671	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	108	58 - 125	

CVA 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110509.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00315	0.0245	0.00315	1		U
Aroclor 1221	0.00319	0.0245	0.00319	1		U
Aroclor 1232	0.00194	0.0245	0.00194	1		U
Aroclor 1242	0.00263	0.0245	0.00263	1		U
Aroclor 1248	0.00514	0.0245	0.00514	1		U
Aroclor 1254	0.00682	0.0245	0.00682	1		U
Aroclor 1260	0.00288	0.0245	0.116	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

MK 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110510.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00281	0.0218	0.00281	1		U
Aroclor 1221	0.00285	0.0218	0.00285	1		U
Aroclor 1232	0.00173	0.0218	0.00173	1		U
Aroclor 1242	0.00235	0.0218	0.00235	1		U
Aroclor 1248	0.00458	0.0218	0.0167	1		F
Aroclor 1254	0.00608	0.0218	0.00608	1		U
Aroclor 1260	0.00256	0.0218	0.00256	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	100	58 - 125	

cnt 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110511.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00306	0.0237	0.00306	1		U
Aroclor 1221	0.00310	0.0237	0.00310	1		U
Aroclor 1232	0.00189	0.0237	0.00189	1		U
Aroclor 1242	0.00256	0.0237	0.00256	1		U
Aroclor 1248	0.00499	0.0237	0.00499	1		U
Aroclor 1254	0.00662	0.0237	0.00662	1		U
Aroclor 1260	0.00279	0.0237	0.101	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

WA 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6440
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103018.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00371	0.0288	0.00371	1		U
Aroclor 1221	0.00376	0.0288	0.00376	1		U
Aroclor 1232	0.00228	0.0288	0.00228	1		U
Aroclor 1242	0.00310	0.0288	0.00310	1		U
Aroclor 1248	0.00604	0.0288	0.00604	1		U
Aroclor 1254	0.00802	0.0288	0.00802	1		U
Aroclor 1260	0.00338	0.0288	0.00338	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	127	58 - 125	*

eat 1/24/08

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB LTM Annual Sampling
Surface Water Sampling
Contract No. F41624-03-D-8601

FPM Project No. 40-05-27

LSL Job # 0710131

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Surface Water
Number of Samples:	11
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	October 18, 2007

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
TMCSW0101BB	10/18/07	101807BE, 101807BF, 101807BR	10/18/07
TMCSW0201BB	10/18/07		
TMCSW0301BB	10/18/07		
TMCSW0401BB	10/18/07		
TMCSW0501BB	10/18/07		
TMCSW0601BB	10/18/07		
TMCSW0701BB	10/18/07		
TMCSW0801BB	10/18/07		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
BB – Primary environmental samples
BE – Equipment blank
BF – Ambient blank
BR – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the aqueous sample analysis were per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Semivolatile Organic Compounds by Method SW8270, Pesticides by Method SW8081, Polychlorinated Biphenyls (PCBs) by Method SW8082, Metals by Method SW6010 and Mercury by Method SW7470A.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

No problems were encountered with sample labeling and transcription to laboratory forms.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

MS/MSD

For metals, the lab performed matrix spike and matrix spike duplicate samples for parent sample TMCSW0101BB. For mercury, the lab performed matrix spike and matrix spike duplicate samples for parent sample TMCSW0201BB. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- There were no exceedances for the VOC analyses.

SVOCs

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # 0710131: LCS/LCSD-6422				
LCS: Benzoic Acid	***13***	20-120	None	%Rec < lower control limit, all results non-detect (ME limits 0-150)
LCSD: Benzoic Acid	24			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to one marginal exceedance of LCS control limits for an LCS with 20 analytes. **Corrective Action:** In accordance with the case narrative, the %Rec was below the lower control limit and all field sample results were non-detect. Note that the %Rec for benzoic acid in LCS-6422 was within marginal exceedance limits. Since this compound is not a project-specific analyte of concern for the site, no further corrective action was required.

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSW0601BB	2-Fluorophenol	***16***	20-120	J/UJ	%Rec less than lower control limit but greater than 10%; re-extraction could not be performed within holding time
	Nitribenzene-d5	***30***	41-120	J/UJ	%Rec less than

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
					lower control limit but greater than 10%; re-extraction could not be performed within holding time
	2-Fluorobiphenyl	***43***	48-120	J/UJ	%Rec less than lower control limit but greater than 10%; re-extraction could not be performed within holding time
TMCSW0701BB	Terphenyl-d14	***47***	51-135	J/UJ	%Rec less than lower control limit but greater than 10%; re-extraction could not be performed within holding time
LCS-6422	2,4,6-Tribromophenol	***126***	42-124	None	LCSD recovery within QC limits
LCSD-6422	2,4,6-Tribromophenol	111	42-124	None	Recovery within QC limits

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, the sample could not be re-extracted and reanalyzed within holding time, so no corrective action was performed. The original results shall be used and flagged in accordance with the qualifiers as discussed above. For LCS-6422, no corrective action was performed since the recovery was within limits for the duplicate sample. (Also, note that according to the case narrative, all samples were inadvertently spiked with 40 µg/mL terphenyl-d14 instead of 100 µg/mL.)

PESTICIDES

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSW0801BB, ICAL 1110 (1st column)	Decachlorobiphenyl	***28***	32-135	UM	%Rec less than lower control limit but greater than 10%; all results non-detect
TMCSW0801BB, ICAL 1111 (2nd column)	Decachlorobiphenyl	***31***	32-135	UM	%Rec less than lower control limit but greater than 10%; all results non-detect

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, no corrective action was performed, but based on historical results, matrix effects are suspected. Since all results were non-detect, the original results shall be used and flagged "UM" in accordance with the qualifiers as discussed above.

PCBs

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for samples which exhibited surrogate compound recovery deficiencies. The Sample ID, surrogate compound, percent recoveries, and QC limits are listed.

Sample ID	Surrogate	%Rec	AFCEE QC Limits (%)	Flag Applied	Rationale
TMCSW0801BB	Decachlorobiphenyl	***32***	42-133	M/UM	%Rec less than lower control limit but greater than 10%

If the surrogate recovery is not within AFCEE limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate in that sample are qualified. As per the QAPP, for samples with recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are

considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, no corrective action was performed, but based on historical results, matrix effects are suspected. Since all results were non-detect, the original results shall be used and flagged "UM" in accordance with the qualifiers as discussed above.

METALS

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	Reporting Limit (mg/L)	Samples Affected
101807BE	Zinc	0.029	0.020	TMCSW0101BB, TMCSW0201BB, TMCSW0301BB, TMCSW0401BB, TMCSW0501BB, TMCSW0601BB, TMCSW0801BB

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with AFCEE QAPP Version 4.0, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the zinc results for the field samples as shown in the table above. Note that for results in original samples which were below the reporting limit but above the detection limit, using professional judgment, the "F" flag is deemed more appropriate and "B" flags were not applied. This is consistent with the AFCEE QAPP, which states that *all* results between the method detection limit and the reporting limit shall be flagged "F."

MERCURY

- There were no exceedances for the mercury analysis.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

SVOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for SVOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

PESTICIDES

Based on the evaluation of all information in the analytical data groups, the results of the samples for pesticides are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

PCBs

Based on the evaluation of all information in the analytical data groups, the results of the samples for PCBs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

METALS

Based on the evaluation of all information in the analytical data groups, the results of the samples for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

MERCURY

Based on the evaluation of all information in the analytical data groups, the results of the samples for mercury are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 0710131 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 1/22/08

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Definition of AFCEE Data Qualifiers
- Definition of USEPA Data Qualifiers
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001C
TMCSW0201BB	0710131-002C
TMCSW0301BB	0710131-003C
TMCSW0401BB	0710131-004C
TMCSW0501BB	0710131-005C
TMCSW0601BB	0710131-006C
TMCSW0701BB	0710131-007C
TMCSW0801BB	0710131-008C
101807BE	0710131-009C
101807BF	0710131-010A
101807BR	0710131-011A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 12/20/07 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.98	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

cwt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.120	1		F
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.400	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

MK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2803683	1123200 - 4492802	
Chlorobenzene-d5	3669571	1595982 - 6383930	
Fluorobenzene	5725632	2658960 - 10635838	

CWK 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.220	1		F
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.210	1		F
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.94	1		F
Benzene	0.0100	0.500	0.580	1		
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CWK 1/23/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	2.34	1		
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.180	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

crk 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	101	76 - 119	
Dibromofluoromethane	105	85 - 115	
Toluene-d8	108	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2754177	1123200 - 4492802	
Chlorobenzene-d5	3717979	1595982 - 6383930	
Fluorobenzene	5678207	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Conf (%)	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.49	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.320	1		F
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

clrk 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

CWK 1/22/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2824448	1123200 - 4492802	
Chlorobenzene-d5	3646566	1595982 - 6383930	
Fluorobenzene	5660330	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1	U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1	U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1	U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1	U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1	U
1,1-Dichloroethane	0.0330	1.00	0.0330	1	U
1,1-Dichloroethene	0.0460	1.00	0.0460	1	U
1,1-Dichloropropene	0.0240	1.00	0.0240	1	U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1	U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1	U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1	U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1	U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1	U
1,2-Dibromoethane	0.0350	1.00	0.0350	1	U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1	U
1,2-Dichloroethane	0.0240	0.500	0.0240	1	U
1,2-Dichloropropane	0.0260	1.00	0.0260	1	U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1	U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1	U
1,3-Dichloropropane	0.0230	0.500	0.0230	1	U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1	U
1-Chlorohexane	0.0470	1.00	0.0470	1	U
2,2-Dichloropropane	0.0820	1.00	0.0820	1	U
2-Butanone	0.649	10.0	0.649	1	U
2-Chlorotoluene	0.0120	1.00	0.0120	1	U
4-Chlorotoluene	0.0170	1.00	0.0170	1	U
4-Methyl-2-pentanone	0.375	10.0	0.375	1	U
Acetone	0.823	10.0	1.39	1	F
Benzene	0.0100	0.500	0.0100	1	U
Bromobenzene	0.0280	1.00	0.0280	1	U
Bromochloromethane	0.0590	1.00	0.0590	1	U
Bromodichloromethane	0.0310	0.500	0.0310	1	U

Comments:

CLK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	PQL	Concentration	Dilution	%Recovery	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

CVK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

CWK 1/22/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2959257	1123200 - 4492802	
Chlorobenzene-d5	3818926	1595982 - 6383930	
Fluorobenzene	6007653	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	2.36	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

cnt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

eur 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2960620	1123200 - 4492802	
Chlorobenzene-d5	3748394	1595982 - 6383930	
Fluorobenzene	5974461	2658960 - 10635838	

CVK 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Q
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CMK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	% Control	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.230	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Dibromofluoromethane	105	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2934077	1123200 - 4492802	
Chlorobenzene-d5	3787355	1595982 - 6383930	
Fluorobenzene	5900462	2658960 - 10635838	

wrk 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	2.27	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

ewk 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

CVR 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Data Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	100	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	110	81 - 120	

CVK 1/24/08

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2913990	1123200 - 4492802	
Chlorobenzene-d5	3754756	1595982 - 6383930	
Fluorobenzene	5952071	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	3.17	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.400	1		F
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

cnt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

cwk 1/22/08

Int. Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2853573	1123200 - 4492802	
Chlorobenzene-d5	3710276	1595982 - 6383930	
Fluorobenzene	5734124	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RT	Concentration	Dilution	Comment	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

wrk 11/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Dibromofluoromethane	101	85 - 115	
Toluene-d8	109	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2895422	1123200 - 4492802	
Chlorobenzene-d5	3741658	1595982 - 6383930	
Fluorobenzene	5888818	2658960 - 10635838	

CDA 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.69	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

Cnt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.410	1		F
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

CvH
1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	102	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2848336	1123200 - 4492802	
Chlorobenzene-d5	3703948	1595982 - 6383930	
Fluorobenzene	5828324	2658960 - 10635838	

MK 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101607BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

CMA 1/24/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.100	1		F
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

CVK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	101	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2856302	1123200 - 4492802	
Chlorobenzene-d5	3752553	1595982 - 6383930	
Fluorobenzene	5811259	2658960 - 10635838	

CRA 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MQL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.510	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

CWS 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	114	42 - 124	
2-Fluorobiphenyl	92	48 - 120	
2-Fluorophenol	86	20 - 120	
Nitrobenzene-d5	98	41 - 120	
Phenol-d5	92	20 - 120	
Terphenyl-d14	110	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	167317	83942 - 335766	
Acenaphthene-d10	340632	177876 - 711502	
Chrysene-d12	434558	284174 - 1136694	
Naphthalene-d8	628107	307518 - 1230074	
Perylene-d12	347691	257336 - 1029344	
Phenanthrene-d10	574988	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1	U
1,2-Dichlorobenzene	0.07	10.0	0.07	1	U
1,3-Dichlorobenzene	0.06	10.0	0.06	1	U
1,4-Dichlorobenzene	0.07	10.0	0.07	1	U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1	U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1	U
2,4-Dichlorophenol	0.08	10.0	0.08	1	U
2,4-Dimethylphenol	0.25	10.0	0.25	1	U
2,4-Dinitrophenol	10.0	50.0	10.0	1	U
2,4-Dinitrotoluene	1.20	10.0	1.20	1	U
2,6-Dinitrotoluene	1.20	10.0	1.20	1	U
2-Chloronaphthalene	0.11	10.0	0.11	1	U
2-Chlorophenol	0.12	10.0	0.12	1	U
2-Methylnaphthalene	0.05	10.0	0.05	1	U
2-Methylphenol	0.07	10.0	0.07	1	U
2-Nitroaniline	1.20	50.0	1.20	1	U
2-Nitrophenol	0.07	10.0	0.07	1	U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1	U
3-Nitroanilline	1.20	50.0	1.20	1	U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1	U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1	U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1	U
4-Chloroaniline	0.10	20.0	0.10	1	U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1	U
4-Methylphenol	0.11	50.0	0.11	1	U
4-Nitroaniline	0.19	50.0	0.19	1	U
4-Nitrophenol	2.00	50.0	2.00	1	U
Acenaphthene	0.08	10.0	0.08	1	U
Acenaphthylene	0.10	10.0	0.10	1	U
Anthracene	0.14	10.0	0.14	1	U
Benzo[a]anthracene	0.08	10.0	0.08	1	U
Benzo[a]pyrene	0.15	10.0	0.15	1	U

Comments:

cwt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1	U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1	U
Benzo[k]fluoranthene	0.33	10.0	0.33	1	U
Benzoic acid	5.19	100	5.19	1	U
Benzyl alcohol	0.11	20.0	0.11	1	U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1	U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1	U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1	U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.980	1	F
Butyl benzyl phthalate	0.16	10.0	0.16	1	U
Chrysene	0.08	10.0	0.08	1	U
Di-n-butyl phthalate	1.58	10.0	1.58	1	U
Di-n-octyl phthalate	0.18	10.0	0.18	1	U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1	U
Dibenzofuran	0.14	10.0	0.14	1	U
Diethyl phthalate	0.13	10.0	0.13	1	U
Dimethyl phthalate	0.10	10.0	0.10	1	U
Fluoranthene	0.06	10.0	0.06	1	U
Fluorene	0.11	10.0	0.11	1	U
Hexachlorobenzene	0.11	10.0	0.11	1	U
Hexachlorobutadiene	1.20	10.0	1.20	1	U
Hexachloroethane	1.20	10.0	1.20	1	U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1	U
Isophorone	0.12	10.0	0.12	1	U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1	U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1	U
Naphthalene	0.06	10.0	0.06	1	U
Nitrobenzene	0.12	10.0	0.12	1	U
Pentachlorophenol	1.20	50.0	1.20	1	U
Phenanthrene	0.10	10.0	0.10	1	U
Phenol	0.09	10.0	0.09	1	U
Pyrene	0.07	10.0	0.07	1	U

Comments:

cwk 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	104	42 - 124	
2-Fluorobiphenyl	94	48 - 120	
2-Fluorophenol	91	20 - 120	
Nitrobenzene-d5	103	41 - 120	
Phenol-d5	96	20 - 120	
Terphenyl-d14	112	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	175551	83942 - 335766	
Acenaphthene-d10	347960	177876 - 711502	
Chrysene-d12	363861	284174 - 1136694	
Naphthalene-d8	641767	307518 - 1230074	
Perylene-d12	278180	257336 - 1029344	
Phenanthrene-d10	553111	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Comments	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.660	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	110	42 - 124	
2-Fluorobiphenyl	89	48 - 120	
2-Fluorophenol	86	20 - 120	
Nitrobenzene-d5	99	41 - 120	
Phenol-d5	89	20 - 120	
Terphenyl-d14	102	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	159812	83942 - 335766	
Acenaphthene-d10	325581	177876 - 711502	
Chrysene-d12	388225	284174 - 1136694	
Naphthalene-d8	582496	307518 - 1230074	
Perylene-d12	307492	257336 - 1029344	
Phenanthrene-d10	533601	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	970 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
1,2,4-Trichlorobenzene	0.10	10.3	0.10	1		U
1,2-Dichlorobenzene	0.07	10.3	0.07	1		U
1,3-Dichlorobenzene	0.06	10.3	0.06	1		U
1,4-Dichlorobenzene	0.07	10.3	0.07	1		U
2,4,5-Trichlorophenol	0.14	51.5	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.3	0.10	1		U
2,4-Dichlorophenol	0.08	10.3	0.08	1		U
2,4-Dimethylphenol	0.26	10.3	0.26	1		U
2,4-Dinitrophenol	10.3	51.5	10.3	1		U
2,4-Dinitrotoluene	1.24	10.3	1.24	1		U
2,6-Dinitrotoluene	1.24	10.3	1.24	1		U
2-Chloronaphthalene	0.11	10.3	0.11	1		U
2-Chlorophenol	0.12	10.3	0.12	1		U
2-Methylnaphthalene	0.05	10.3	0.05	1		U
2-Methylphenol	0.07	10.3	0.07	1		U
2-Nitroaniline	1.24	51.5	1.24	1		U
2-Nitrophenol	0.07	10.3	0.07	1		U
3,3'-Dichlorobenzidine	1.24	20.6	1.24	1		U
3-Nitroaniline	1.24	51.5	1.24	1		U
4,6-Dinitro-2-methylphenol	0.36	51.5	0.36	1		U
4-Bromophenyl phenyl ether	0.15	10.3	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.6	0.08	1		U
4-Chloroaniline	0.10	20.6	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.3	0.12	1		U
4-Methylphenol	0.11	51.5	0.11	1		U
4-Nitroaniline	0.20	51.5	0.20	1		U
4-Nitrophenol	2.06	51.5	2.06	1		U
Acenaphthene	0.08	10.3	0.08	1		U
Acenaphthylene	0.10	10.3	0.10	1		U
Anthracene	0.14	10.3	0.14	1		U
Benzo[a]anthracene	0.08	10.3	0.08	1		U
Benzo[a]pyrene	0.15	10.3	0.15	1		U

Comments:

EWH 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	970 mL

Analyte	MDL	SQL	Concentration	Dilution	Qualifier
Benzo[b]fluoranthene	0.52	10.3	0.52	1	U
Benzo[g,h,i]perylene	0.10	10.3	0.10	1	U
Benzo[k]fluoranthene	0.34	10.3	0.34	1	U
Benzoic acid	5.35	103	5.35	1	U
Benzyl alcohol	0.11	20.6	0.11	1	U
bis(2-Chloroethoxy)methane	0.10	10.3	0.10	1	U
bis(2-chloroethyl)ether	0.04	10.3	0.04	1	U
bis(2-chloroisopropyl)ether	1.24	10.3	1.24	1	U
bis(2-Ethylhexyl)phthalate	0.46	10.3	0.598	1	F
Butyl benzyl phthalate	0.16	10.3	0.16	1	U
Chrysene	0.08	10.3	0.08	1	U
Di-n-butyl phthalate	1.63	10.3	1.63	1	U
Di-n-octyl phthalate	0.19	10.3	0.19	1	U
Dibenz[a,h]anthracene	0.09	10.3	0.09	1	U
Dibenzofuran	0.14	10.3	0.14	1	U
Diethyl phthalate	0.13	10.3	0.13	1	U
Dimethyl phthalate	0.10	10.3	0.10	1	U
Fluoranthene	0.06	10.3	0.06	1	U
Fluorene	0.11	10.3	0.11	1	U
Hexachlorobenzene	0.11	10.3	0.11	1	U
Hexachlorobutadiene	1.24	10.3	1.24	1	U
Hexachloroethane	1.24	10.3	1.24	1	U
Indeno[1,2,3-cd]pyrene	0.09	10.3	0.09	1	U
Isophorone	0.12	10.3	0.12	1	U
N-Nitroso-di-n-propylamine	0.15	10.3	0.15	1	U
N-Nitrosodiphenylamine	0.08	10.3	0.08	1	U
Naphthalene	0.06	10.3	0.06	1	U
Nitrobenzene	0.12	10.3	0.12	1	U
Pentachlorophenol	1.24	51.5	1.24	1	U
Phenanthrene	0.10	10.3	0.10	1	U
Phenol	0.09	10.3	0.09	1	U
Pyrene	0.07	10.3	0.07	1	U

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	970 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	103	42 - 124	
2-Fluorobiphenyl	90	48 - 120	
2-Fluorophenol	83	20 - 120	
Nitrobenzene-d5	97	41 - 120	
Phenol-d5	88	20 - 120	
Terphenyl-d14	101	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	205775	83942 - 335766	
Acenaphthene-d10	413937	177876 - 711502	
Chrysene-d12	453899	284174 - 1136694	
Naphthalene-d8	750425	307518 - 1230074	
Perylene-d12	369618	257336 - 1029344	
Phenanthrene-d10	660954	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

ark 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.680	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	111	42 - 124	
2-Fluorobiphenyl	95	48 - 120	
2-Fluorophenol	89	20 - 120	
Nitrobenzene-d5	104	41 - 120	
Phenol-d5	94	20 - 120	
Terphenyl-d14	103	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	187921	83942 - 335766	
Acenaphthene-d10	377478	177876 - 711502	
Chrysene-d12	421935	284174 - 1136694	
Naphthalene-d8	686724	307518 - 1230074	
Perylene-d12	331905	257336 - 1029344	
Phenanthrene-d10	607769	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.1	0.10	1		UJ
1,2-Dichlorobenzene	0.07	10.1	0.07	1		UJ
1,3-Dichlorobenzene	0.06	10.1	0.06	1		UJ
1,4-Dichlorobenzene	0.07	10.1	0.07	1		UJ
2,4,5-Trichlorophenol	0.14	50.5	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.1	0.10	1		U
2,4-Dichlorophenol	0.08	10.1	0.08	1		UJ
2,4-Dimethylphenol	0.25	10.1	0.25	1		UJ
2,4-Dinitrophenol	10.1	50.5	10.1	1		U
2,4-Dinitrotoluene	1.21	10.1	1.21	1		UJ
2,6-Dinitrotoluene	1.21	10.1	1.21	1		UJ
2-Chloronaphthalene	0.11	10.1	0.11	1		UJ
2-Chlorophenol	0.12	10.1	0.12	1		UJ
2-Methylnaphthalene	0.05	10.1	0.05	1		UJ
2-Methylphenol	0.07	10.1	0.07	1		UJ
2-Nitroaniline	1.21	50.5	1.21	1		UJ
2-Nitrophenol	0.07	10.1	0.07	1		UJ
3,3'-Dichlorobenzidine	1.21	20.2	1.21	1		UJ
3-Nitroaniline	1.21	50.5	1.21	1		UJ
4,6-Dinitro-2-methylphenol	0.35	50.5	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.1	0.15	1		UJ
4-Chloro-3-methylphenol	0.08	20.2	0.08	1		U
4-Chloroaniline	0.10	20.2	0.10	1		UJ
4-Chlorophenyl phenyl ether	0.12	10.1	0.12	1		UJ
4-Methylphenol	0.11	50.5	0.11	1		UJ
4-Nitroaniline	0.19	50.5	0.19	1		UJ
4-Nitrophenol	2.02	50.5	2.02	1		U
Acenaphthene	0.08	10.1	0.08	1		U
Acenaphthylene	0.10	10.1	0.10	1		U
Anthracene	0.14	10.1	0.14	1		U
Benzo[a]anthracene	0.08	10.1	0.08	1		U
Benzo[a]pyrene	0.15	10.1	0.15	1		U

Comments:

CVB
1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.51	10.1	0.51	1		U
Benzo[g,h,i]perylene	0.10	10.1	0.10	1		U
Benzo[k]fluoranthene	0.33	10.1	0.33	1		U
Benzoic acid	5.24	101	5.24	1		UJ
Benzyl alcohol	0.11	20.2	0.11	1		UJ
bis(2-Chloroethoxy)methane	0.10	10.1	0.10	1		UJ
bis(2-chloroethyl)ether	0.04	10.1	0.04	1		UJ
bis(2-chloroisopropyl)ether	1.21	10.1	1.21	1		UJ
bis(2-Ethylhexyl)phthalate	0.45	10.1	4.06	1		~~FJ~~ F
Butyl benzyl phthalate	0.16	10.1	0.16	1		UJ
Chrysene	0.08	10.1	0.08	1		U
Di-n-butyl phthalate	1.60	10.1	1.60	1		UJ
Di-n-octyl phthalate	0.18	10.1	0.18	1		UJ
Dibenz[a,h]anthracene	0.09	10.1	0.09	1		UJ
Dibenzofuran	0.14	10.1	0.14	1		UJ
Diethyl phthalate	0.13	10.1	0.13	1		UJ
Dimethyl phthalate	0.10	10.1	0.10	1		UJ
Fluoranthene	0.06	10.1	0.06	1		U
Fluorene	0.11	10.1	0.11	1		U
Hexachlorobenzene	0.11	10.1	0.11	1		UJ
Hexachlorobutadiene	1.21	10.1	1.21	1		UJ
Hexachloroethane	1.21	10.1	1.21	1		UJ
Indeno[1,2,3-cd]pyrene	0.09	10.1	0.09	1		U
Isophorone	0.12	10.1	0.12	1		UJ
N-Nitroso-di-n-propylamine	0.15	10.1	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.1	0.08	1		UJ
Naphthalene	0.06	10.1	0.06	1		U
Nitrobenzene	0.12	10.1	0.12	1		UJ
Pentachlorophenol	1.21	50.5	1.21	1		U
Phenanthrene	0.10	10.1	0.10	1		U
Phenol	0.09	10.1	0.09	1		U
Pyrene	0.07	10.1	0.07	1		U

Comments:

DWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	88	42 - 124	
2-Fluorobiphenyl	43	48 - 120	*
2-Fluorophenol	16	20 - 120	*
Nitrobenzene-d5	30	41 - 120	*
Phenol-d5	31	20 - 120	
Terphenyl-d14	110	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	153866	85588 - 342354	
Acenaphthene-d10	300794	177876 - 711502	
Chrysene-d12	321572	284174 - 1136694	
Naphthalene-d8	555758	304342 - 1217366	
Perylene-d12	285351	257336 - 1029344	
Phenanthrene-d10	472904	273040 - 1092162	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	930 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.11	10.8	0.11	1		U
1,2-Dichlorobenzene	0.08	10.8	0.08	1		U
1,3-Dichlorobenzene	0.06	10.8	0.06	1		U
1,4-Dichlorobenzene	0.08	10.8	0.08	1		U
2,4,5-Trichlorophenol	0.15	53.8	0.15	1		U
2,4,6-Trichlorophenol	0.11	10.8	0.11	1		U
2,4-Dichlorophenol	0.09	10.8	0.09	1		U
2,4-Dimethylphenol	0.27	10.8	0.27	1		U
2,4-Dinitrophenol	10.8	53.8	10.8	1		U
2,4-Dinitrotoluene	1.29	10.8	1.29	1		U
2,6-Dinitrotoluene	1.29	10.8	1.29	1		U
2-Chloronaphthalene	0.12	10.8	0.12	1		U
2-Chlorophenol	0.13	10.8	0.13	1		U
2-Methylnaphthalene	0.05	10.8	0.05	1		U
2-Methylphenol	0.08	10.8	0.08	1		U
2-Nitroaniline	1.29	53.8	1.29	1		U
2-Nitrophenol	0.08	10.8	0.08	1		U
3,3'-Dichlorobenzidine	1.29	21.5	1.29	1		U
3-Nitroaniline	1.29	53.8	1.29	1		U
4,6-Dinitro-2-methylphenol	0.38	53.8	0.38	1		U
4-Bromophenyl phenyl ether	0.16	10.8	0.16	1		U
4-Chloro-3-methylphenol	0.09	21.5	0.09	1		U
4-Chloroaniline	0.11	21.5	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	10.8	0.13	1		U
4-Methylphenol	0.12	53.8	0.12	1		U
4-Nitroaniline	0.20	53.8	0.20	1		U
4-Nitrophenol	2.15	53.8	2.15	1		U
Acenaphthene	0.09	10.8	0.09	1		UJ
Acenaphthylene	0.11	10.8	0.11	1		UJ
Anthracene	0.15	10.8	0.15	1		UJ
Benzo[a]anthracene	0.09	10.8	0.570	1		~~PJ~~ F
Benzo[a]pyrene	0.16	10.8	0.16	1		UJ

Comments:

Cwt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	930 mL

Analyte	MDL	RL	Concentration	Dilution	Conf. Column	Qualifier
Benzo[b]fluoranthene	0.54	10.8	0.54	1		UJ
Benzo[g,h,i]perylene	0.11	10.8	0.11	1		UJ
Benzo[k]fluoranthene	0.35	10.8	0.35	1		UJ
Benzoic acid	5.58	108	5.58	1		U
Benzyl alcohol	0.12	21.5	0.634	1		F
bis(2-Chloroethoxy)methane	0.11	10.8	0.11	1		U
bis(2-chloroethyl)ether	0.04	10.8	0.04	1		U
bis(2-chloroisopropyl)ether	1.29	10.8	1.29	1		U
bis(2-Ethylhexyl)phthalate	0.48	10.8	1.12	1		F
Butyl benzyl phthalate	0.17	10.8	0.17	1		U
Chrysene	0.09	10.8	0.09	1		UJ
Di-n-butyl phthalate	1.70	10.8	1.70	1		U
Di-n-octyl phthalate	0.19	10.8	0.19	1		U
Dibenz[a,h]anthracene	0.10	10.8	0.10	1		U
Dibenzofuran	0.15	10.8	0.15	1		U
Diethyl phthalate	0.14	10.8	0.14	1		U
Dimethyl phthalate	0.11	10.8	0.11	1		U
Fluoranthene	0.06	10.8	0.871	1		~~FJ~~ F
Fluorene	0.12	10.8	0.12	1		UJ
Hexachlorobenzene	0.12	10.8	0.12	1		U
Hexachlorobutadiene	1.29	10.8	1.29	1		U
Hexachloroethane	1.29	10.8	1.29	1		U
Indeno[1,2,3-cd]pyrene	0.10	10.8	0.10	1		UJ
Isophorone	0.13	10.8	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	10.8	0.16	1		U
N-Nitrosodiphenylamine	0.09	10.8	0.09	1		U
Naphthalene	0.06	10.8	0.06	1		UJ
Nitrobenzene	0.13	10.8	0.13	1		U
Pentachlorophenol	1.29	53.8	1.29	1		U
Phenanthrene	0.11	10.8	0.11	1		UJ
Phenol	0.10	10.8	0.10	1		U
Pyrene	0.08	10.8	0.925	1		~~FJ~~ F

Comments:

CWK 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	930 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	91	42 - 124	
2-Fluorobiphenyl	57	48 - 120	
2-Fluorophenol	68	20 - 120	
Nitrobenzene-d5	83	41 - 120	
Phenol-d5	76	20 - 120	
Terphenyl-d14	47	51 - 135	*

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	213569	83942 - 335766	
Acenaphthene-d10	422527	177876 - 711502	
Chrysene-d12	455930	206816 - 827266	
Naphthalene-d8	772288	304342 - 1217366	
Perylene-d12	354526	180634 - 722538	
Phenanthrene-d10	673611	273040 - 1092162	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	920 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
1,2,4-Trichlorobenzene	0.11	10.9	0.11	1		U
1,2-Dichlorobenzene	0.08	10.9	0.08	1		U
1,3-Dichlorobenzene	0.07	10.9	0.07	1		U
1,4-Dichlorobenzene	0.08	10.9	0.08	1		U
2,4,5-Trichlorophenol	0.15	54.3	0.15	1		U
2,4,6-Trichlorophenol	0.11	10.9	0.11	1		U
2,4-Dichlorophenol	0.09	10.9	0.09	1		U
2,4-Dimethylphenol	0.27	10.9	0.27	1		U
2,4-Dinitrophenol	10.9	54.3	10.9	1		U
2,4-Dinitrotoluene	1.30	10.9	1.30	1		U
2,6-Dinitrotoluene	1.30	10.9	1.30	1		U
2-Chloronaphthalene	0.12	10.9	0.12	1		U
2-Chlorophenol	0.13	10.9	0.13	1		U
2-Methylnaphthalene	0.05	10.9	0.05	1		U
2-Methylphenol	0.08	10.9	0.08	1		U
2-Nitroaniline	1.30	54.3	1.30	1		U
2-Nitrophenol	0.08	10.9	0.08	1		U
3,3'-Dichlorobenzidine	1.30	21.7	1.30	1		U
3-Nitroaniline	1.30	54.3	1.30	1		U
4,6-Dinitro-2-methylphenol	0.38	54.3	0.38	1		U
4-Bromophenyl phenyl ether	0.16	10.9	0.16	1		U
4-Chloro-3-methylphenol	0.09	21.7	0.09	1		U
4-Chloroaniline	0.11	21.7	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	10.9	0.13	1		U
4-Methylphenol	0.12	54.3	0.12	1		U
4-Nitroaniline	0.21	54.3	0.21	1		U
4-Nitrophenol	2.17	54.3	2.17	1		U
Acenaphthene	0.09	10.9	0.09	1		U
Acenaphthylene	0.11	10.9	0.11	1		U
Anthracene	0.15	10.9	0.15	1		U
Benzo[a]anthracene	0.09	10.9	0.09	1		U
Benzo[a]pyrene	0.16	10.9	0.16	1		U

Comments:

cvt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	920 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.54	10.9	0.54	1		U
Benzo[g,h,i]perylene	0.11	10.9	0.11	1		U
Benzo[k]fluoranthene	0.36	10.9	0.36	1		U
Benzoic acid	5.64	109	5.64	1		U
Benzyl alcohol	0.12	21.7	0.12	1		U
bis(2-Chloroethoxy)methane	0.11	10.9	0.11	1		U
bis(2-chloroethyl)ether	0.04	10.9	0.04	1		U
bis(2-chloroisopropyl)ether	1.30	10.9	1.30	1		U
bis(2-Ethylhexyl)phthalate	0.49	10.9	1.04	1		F
Butyl benzyl phthalate	0.17	10.9	0.17	1		U
Chrysene	0.09	10.9	0.09	1		U
Di-n-butyl phthalate	1.72	10.9	1.72	1		U
Di-n-octyl phthalate	0.20	10.9	0.20	1		U
Dibenz[a,h]anthracene	0.10	10.9	0.10	1		U
Dibenzofuran	0.15	10.9	0.15	1		U
Diethyl phthalate	0.14	10.9	0.14	1		U
Dimethyl phthalate	0.11	10.9	0.11	1		U
Fluoranthene	0.07	10.9	0.07	1		U
Fluorene	0.12	10.9	0.12	1		U
Hexachlorobenzene	0.12	10.9	0.12	1		U
Hexachlorobutadiene	1.30	10.9	1.30	1		U
Hexachloroethane	1.30	10.9	1.30	1		U
Indeno[1,2,3-cd]pyrene	0.10	10.9	0.10	1		U
Isophorone	0.13	10.9	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	10.9	0.16	1		U
N-Nitrosodiphenylamine	0.09	10.9	0.09	1		U
Naphthalene	0.07	10.9	0.07	1		U
Nitrobenzene	0.13	10.9	0.13	1		U
Pentachlorophenol	1.30	54.3	1.30	1		U
Phenanthrene	0.11	10.9	0.11	1		U
Phenol	0.10	10.9	0.10	1		U
Pyrene	0.08	10.9	0.08	1		U

Comments:

CWA 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	920 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	106	42 - 124	
2-Fluorobiphenyl	58	48 - 120	
2-Fluorophenol	32	20 - 120	
Nitrobenzene-d5	42	41 - 120	
Phenol-d5	53	20 - 120	
Terphenyl-d14	66	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	195206	83942 - 335766	
Acenaphthene-d10	382279	177876 - 711502	
Chrysene-d12	397961	284174 - 1136694	
Naphthalene-d8	711642	307518 - 1230074	
Perylene-d12	335223	257336 - 1029344	
Phenanthrene-d10	597469	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.11	11.0	0.11	1		U
1,2-Dichlorobenzene	0.08	11.0	0.08	1		U
1,3-Dichlorobenzene	0.07	11.0	0.07	1		U
1,4-Dichlorobenzene	0.08	11.0	0.08	1		U
2,4,5-Trichlorophenol	0.15	54.9	0.15	1		U
2,4,6-Trichlorophenol	0.11	11.0	0.11	1		U
2,4-Dichlorophenol	0.09	11.0	0.09	1		U
2,4-Dimethylphenol	0.27	11.0	0.27	1		U
2,4-Dinitrophenol	11.0	54.9	11.0	1		U
2,4-Dinitrotoluene	1.32	11.0	1.32	1		U
2,6-Dinitrotoluene	1.32	11.0	1.32	1		U
2-Chloronaphthalene	0.12	11.0	0.12	1		U
2-Chlorophenol	0.13	11.0	0.13	1		U
2-Methylnaphthalene	0.05	11.0	0.05	1		U
2-Methylphenol	0.08	11.0	0.08	1		U
2-Nitroaniline	1.32	54.9	1.32	1		U
2-Nitrophenol	0.08	11.0	0.08	1		U
3,3'-Dichlorobenzidine	1.32	22.0	1.32	1		U
3-Nitroaniline	1.32	54.9	1.32	1		U
4,6-Dinitro-2-methylphenol	0.38	54.9	0.38	1		U
4-Bromophenyl phenyl ether	0.16	11.0	0.16	1		U
4-Chloro-3-methylphenol	0.09	22.0	0.09	1		U
4-Chloroaniline	0.11	22.0	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	11.0	0.13	1		U
4-Methylphenol	0.12	54.9	0.12	1		U
4-Nitroaniline	0.21	54.9	0.21	1		U
4-Nitrophenol	2.20	54.9	2.20	1		U
Acenaphthene	0.09	11.0	0.09	1		U
Acenaphthylene	0.11	11.0	0.11	1		U
Anthracene	0.15	11.0	0.15	1		U
Benzo[a]anthracene	0.09	11.0	0.09	1		U
Benzo[a]pyrene	0.16	11.0	0.16	1		U

Comments:

1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Benzo[b]fluoranthene	0.55	11.0	0.55	1		U
Benzo[g,h,i]perylene	0.11	11.0	0.11	1		U
Benzo[k]fluoranthene	0.36	11.0	0.36	1		U
Benzoic acid	5.70	110	5.70	1		U
Benzyl alcohol	0.12	22.0	0.12	1		U
bis(2-Chloroethoxy)methane	0.11	11.0	0.11	1		U
bis(2-chloroethyl)ether	0.04	11.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.32	11.0	1.32	1		U
bis(2-Ethylhexyl)phthalate	0.49	11.0	0.49	1		U
Butyl benzyl phthalate	0.18	11.0	0.18	1		U
Chrysene	0.09	11.0	0.09	1		U
Di-n-butyl phthalate	1.74	11.0	1.74	1		U
Di-n-octyl phthalate	0.20	11.0	0.20	1		U
Dibenz[a,h]anthracene	0.10	11.0	0.10	1		U
Dibenzofuran	0.15	11.0	0.15	1		U
Diethyl phthalate	0.14	11.0	0.14	1		U
Dimethyl phthalate	0.11	11.0	0.11	1		U
Fluoranthene	0.07	11.0	0.07	1		U
Fluorene	0.12	11.0	0.12	1		U
Hexachlorobenzene	0.12	11.0	0.12	1		U
Hexachlorobutadiene	1.32	11.0	1.32	1		U
Hexachloroethane	1.32	11.0	1.32	1		U
Indeno[1,2,3-cd]pyrene	0.10	11.0	0.10	1		U
Isophorone	0.13	11.0	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	11.0	0.16	1		U
N-Nitrosodiphenylamine	0.09	11.0	0.09	1		U
Naphthalene	0.07	11.0	0.07	1		U
Nitrobenzene	0.13	11.0	0.13	1		U
Pentachlorophenol	1.32	54.9	1.32	1		U
Phenanthrene	0.11	11.0	0.11	1		U
Phenol	0.10	11.0	0.10	1		U
Pyrene	0.08	11.0	0.08	1		U

Comments:

cwt 1/22/08

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101607BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	93	42 - 124	
2-Fluorobiphenyl	83	48 - 120	
2-Fluorophenol	76	20 - 120	
Nitrobenzene-d5	91	41 - 120	
Phenol-d5	83	20 - 120	
Terphenyl-d14	106	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	188518	83942 - 335766	
Acenaphthene-d10	370192	177876 - 711502	
Chrysene-d12	405666	284174 - 1136694	
Naphthalene-d8	684860	307518 - 1230074	
Perylene-d12	321332	257336 - 1029344	
Phenanthrene-d10	590494	311576 - 1246306	

Comments:

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001B
TMCSW0101BB	0710131-001BMS
TMCSW0101BB	0710131-001BMSD
TMCSW0201BB	0710131-002B
TMCSW0301BB	0710131-003B
TMCSW0401BB	0710131-004B
TMCSW0501BB	0710131-005B
TMCSW0601BB	0710131-006B
TMCSW0701BB	0710131-007B
TMCSW0801BB	0710131-008B
101807BE	0710131-009B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.059	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	120	1	~~M~~
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.15	1	F
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	16	1	
Manganese	0.0015	0.010	0.10	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0051	1	F
Potassium	0.068	1.0	2.4	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	160	1	~~M~~
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00088	1	F
Zinc	0.0040	0.020	0.044	1	

CWK 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0016	1	F
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.055	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	110	1	
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.27	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	18	1	
Manganese	0.0015	0.010	0.25	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	2.1	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	110	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00095	1	F
Zinc	0.0040	0.020	0.052	1	

cwk 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	0.050	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.21	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	100	1	
Chromium	0.0014	0.010	0.0019	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.30	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	22	1	
Manganese	0.0015	0.010	0.40	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0018	1	F
Potassium	0.068	1.0	2.0	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	86	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0011	1	F
Zinc	0.0040	0.020	0.064	1	

CVA
1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	0.061	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.19	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	84	1	
Chromium	0.0014	0.010	0.0019	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.27	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	21	1	
Manganese	0.0015	0.010	0.23	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.8	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	68	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0010	1	F
Zinc	0.0040	0.020	0.067	1	

CMF 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte					
Aluminum	0.040	0.20	0.093	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.18	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	80	1	
Chromium	0.0014	0.010	0.0017	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.31	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	20	1	
Manganese	0.0015	0.010	0.13	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.7	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	64	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0013	1	F
Zinc	0.0040	0.020	0.055	1	

MM 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.047	1	F
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	120	1	
Chromium	0.0014	0.010	0.0015	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.23	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	21	1	
Manganese	0.0015	0.010	0.22	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.5	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	100	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00071	1	F
Zinc	0.0040	0.020	0.047	1	B

cnt 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	7.7	1	
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0085	1	F
Barium	0.00054	0.050	0.20	1	
Beryllium	0.00010	0.0040	0.00041	1	F
Cadmium	0.00042	0.0050	0.00046	1	F
Calcium	0.040	1.1	340	1	
Chromium	0.0014	0.010	0.016	1	
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.056	1	
Iron	0.0050	0.20	24	1	
Lead	0.0040	0.025	0.028	1	
Magnesium	0.040	1.0	26	1	
Manganese	0.0015	0.010	3.4	1	
Molybdenum	0.0029	0.015	0.015	1	
Nickel	0.0011	0.020	0.020	1	
Potassium	0.068	1.0	4.8	1	
Selenium	0.0026	0.030	0.0034	1	F
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	11	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.045	1	
Zinc	0.0040	0.020	0.21	1	

CMK 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Aluminum	0.040	0.20	4.9	1	
Antimony	0.0015	0.050	0.0021	1	F
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.053	1	
Beryllium	0.00010	0.0040	0.00018	1	F
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	18	1	
Chromium	0.0014	0.010	0.0048	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.019	1	
Iron	0.0050	0.20	4.9	1	
Lead	0.0040	0.025	0.012	1	F
Magnesium	0.040	1.0	3.5	1	
Manganese	0.0015	0.010	0.15	1	
Molybdenum	0.0029	0.015	0.0038	1	F
Nickel	0.0011	0.020	0.0064	1	F
Potassium	0.068	1.0	7.7	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	0.71	1	F
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.012	1	
Zinc	0.0040	0.020	0.099	1	

cnt 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	5442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	PQL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.00054	1	U
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	0.040	1	U
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.0050	1	U
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	0.040	1	U
Manganese	0.0015	0.010	0.0015	1	U
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	0.068	1	U
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	0.095	1	F
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00066	1	U
Zinc	0.0040	0.020	0.029	1	

OWK 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001B
TMCSW0201BB	0710131-002B
TMCSW0201BB	0710131-002BMS
TMCSW0201BB	0710131-002BMSD
TMCSW0301BB	0710131-003B
TMCSW0401BB	0710131-004B
TMCSW0501BB	0710131-005B
TMCSW0601BB	0710131-006B
TMCSW0701BB	0710131-007B
TMCSW0801BB	0710131-008B
101807BE	0710131-009B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci **Name:** Monika Santucci

Date: 11/6/07 **Title:** Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

ewt 1/24/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

cwk
1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

ADK 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

LW4 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

CVK
1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

cnt
1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000093	1	F

CVK
1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000069	1	F

CWK 1/22/08

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

CVA
1/22/08

Comments

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111512.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Combined	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	95	32 - 135	
Tetrachloro-m-xylene	85	33 - 138	

CMA 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
ab Name:	Life Science Laboratories, Inc.	**Contract #:**			
ield Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
: Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111512.rst
late Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
:oncentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	32 - 135	
Tetrachloro-m-xylene	91	33 - 138	

:omments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111516.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	32 - 135	
Tetrachloro-m-xylene	88	33 - 138	

CMK 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111515.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111517.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	32 - 135	
Tetrachloro-m-xylene	92	33 - 138	

VAT 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111517.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	32 - 135	
Tetrachloro-m-xylene	98	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111518.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Contam	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	32 - 135	
Tetrachloro-m-xylene	85	33 - 138	

CLP 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111518.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	32 - 135	
Tetrachloro-m-xylene	91	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
ab Name:	Life Science Laboratories, Inc.	**Contract #:**			
ield Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
; Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111519.rst
late Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
:oncentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	32 - 135	
Tetrachloro-m-xylene	88	33 - 138	

CLK 1/22/08

:omments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111519.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	86	32 - 135	
Tetrachloro-m-xylene	95	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8081A	Preparatory Method:	SW3520C	AAB #:	6449
ab Name:	Life Science Laboratories, Inc.	Contract #:			
ield Sample ID:	TMCSW0601BB	Lab Sample ID:	0710131-006A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1110	File ID:	F:\GTnov07\G111520.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	15-Nov-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0078	0.11	0.0078	1	0.0078	U
beta-BHC	0.040	0.11	0.040	1	0.040	U
delta-BHC	0.0096	0.11	0.0096	1	0.0096	U
gamma-BHC	0.0084	0.11	0.0084	1	0.0084	U
alpha-Chlordane	0.012	0.11	0.012	1	0.012	U
gamma-Chlordane	0.0095	0.11	0.0095	1	0.0095	U
4,4'-DDD	0.010	0.11	0.010	1	0.010	U
4,4'-DDE	0.0086	0.11	0.0086	1	0.0086	U
4,4'-DDT	0.0078	0.11	0.0078	1	0.0078	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Dieldrin	0.010	0.11	0.010	1	0.010	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.56	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

CMT 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111520.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	900 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8081A	Preparatory Method:	SW3520C	AAB #:	6449
ab Name:	Life Science Laboratories, Inc.	Contract #:			
ield Sample ID:	TMCSW0701BB	Lab Sample ID:	0710131-007A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1110	File ID:	F:\GTnov07\G111521.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	15-Nov-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	900 mL

Analyte	MDL	RL	Concentration	Dilution	Conc.	Qual
alpha-BHC	0.0078	0.11	0.0078	1	0.0078	U
beta-BHC	0.040	0.11	0.040	1	0.040	U
delta-BHC	0.0096	0.11	0.0096	1	0.0096	U
gamma-BHC	0.0084	0.11	0.0084	1	0.0084	U
alpha-Chlordane	0.012	0.11	0.012	1	0.012	U
gamma-Chlordane	0.0095	0.11	0.0095	1	0.0095	U
4,4'-DDD	0.010	0.11	0.010	1	0.010	U
4,4'-DDE	0.0086	0.11	0.0086	1	0.0086	U
4,4'-DDT	0.0078	0.11	0.0078	1	0.0078	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.56	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	57	32 - 135	
Tetrachloro-m-xylene	67	33 - 138	

cwk 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8081A	Preparatory Method:	SW3520C	AAB #:	6449
ab Name:	Life Science Laboratories, Inc.	Contract #:			
ield Sample ID:	TMCSW0701BB	Lab Sample ID:	0710131-007A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1111	File ID:	F:\GTnov07\H111521.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	15-Nov-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.010	0.11	0.029	1	0.022	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	60	32 - 135	
Tetrachloro-m-xylene	69	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	Preparatory Method:	SW3520C	AAB #:	6449
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	TMCSW08Q1BB	Lab Sample ID:	0710131-008A	Matrix:	Surface Water
% Solids:	0	Initial Calibration ID:	1110	File ID:	F:\GTnov07\G111522.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	980 mL

Analyte	MDL	RL	Concentration	Dilution	Combined	Qualifier
alpha-BHC	0.0071	0.10	0.0071	1	0.0071	~~UJ~~ UM
beta-BHC	0.037	0.10	0.037	1	0.037	~~UJ~~
delta-BHC	0.0088	0.10	0.0088	1	0.0088	~~UJ~~
gamma-BHC	0.0077	0.10	0.0077	1	0.0077	~~UJ~~
alpha-Chlordane	0.011	0.10	0.011	1	0.011	~~UJ~~
gamma-Chlordane	0.0087	0.10	0.0087	1	0.0087	~~UJ~~
4,4'-DDD	0.0093	0.10	0.0093	1	0.0093	~~UJ~~
4,4'-DDE	0.0079	0.10	0.0079	1	0.0079	~~UJ~~
4,4'-DDT	0.0072	0.10	0.0072	1	0.0072	~~UJ~~
Aldrin	0.010	0.10	0.010	1	0.010	~~UJ~~
Dieldrin	0.0094	0.10	0.0094	1	0.0094	~~UJ~~
Endosulfan I	0.013	0.10	0.013	1	0.013	~~UJ~~
Endosulfan II	0.0096	0.10	0.0096	1	0.0096	~~UJ~~
Endosulfan sulfate	0.0099	0.10	0.0099	1	0.0099	~~UJ~~
Endrin	0.014	0.10	0.014	1	0.014	~~UJ~~
Endrin aldehyde	0.011	0.10	0.011	1	0.011	~~UJ~~
Heptachlor	0.016	0.10	0.016	1	0.016	~~UJ~~
Heptachlor epoxide	0.029	0.10	0.029	1	0.029	~~UJ~~
Methoxychlor	0.012	0.51	0.012	1	0.012	~~UJ~~
Toxaphene	0.30	1.0	0.30	1	0.30	~~UJ~~

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	28	32 - 135	*
Tetrachloro-m-xylene	83	33 - 138	

cwk 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111522.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	980 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	31	32 - 135	*
Tetrachloro-m-xylene	87	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111523.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
alpha-BHC	0.0077	0.11	0.0077	1	0.0077	U
beta-BHC	0.039	0.11	0.039	1	0.039	U
delta-BHC	0.0095	0.11	0.0095	1	0.0095	U
gamma-BHC	0.0083	0.11	0.0083	1	0.0083	U
alpha-Chlordane	0.011	0.11	0.011	1	0.011	U
gamma-Chlordane	0.0094	0.11	0.0094	1	0.0094	U
4,4'-DDD	0.010	0.11	0.010	1	0.010	U
4,4'-DDE	0.0085	0.11	0.0085	1	0.0085	U
4,4'-DDT	0.0077	0.11	0.0077	1	0.0077	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Dieldrin	0.010	0.11	0.010	1	0.010	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.55	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	97	32 - 135	
Tetrachloro-m-xylene	82	33 - 138	

ENT 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	Preparatory Method:	SW3520C	AAB #:	6449
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	101807BE	Lab Sample ID:	0710131-009A	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1111	File ID:	F:\GTnov07\H111523.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	910 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	32 - 135	
Tetrachloro-m-xylene	90	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8082
Preparatory Method: SW3520C
AAB #: 6450

Lab Name: Life Science Laboratories, Inc.
Contract #:

Field Sample ID: TMCSW0101BB
Lab Sample ID: 0710131-001A
Matrix: Surface Water

% Solids: 0
Initial Calibration ID: 1112
File ID: F:\90oct07\D103019.rst

Date Received: 19-Oct-07
Date Extracted: 24-Oct-07
Date Analyzed: 31-Oct-07

Concentration Units (ug/L or mg/Kg dry weight): ug/L
Sample Size: 1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	42 - 133	

dwt 11/2/07

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	TMCSW0201BB	Lab Sample ID:	0710131-002A	Matrix:	Surface Water
% Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103020.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	42 - 133	

cwt 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	TMCSW0301BB	Lab Sample ID:	0710131-003A	Matrix:	Surface Water
% Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103021.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.126	0.500	0.126	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	42 - 133	

WSK 11/29/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	TMCSW0401BB	Lab Sample ID:	0710131-004A	Matrix:	Surface Water
% Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103022.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	42 - 133	

CVA
1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	TMCSW0501BB	Lab Sample ID:	0710131-005A	Matrix:	Surface Water
% Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103026.rst
Date Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0170	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	42 - 133	

cvt 1/24/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
ab Name:	Life Science Laboratories, Inc.	Contract #:			
eld Sample ID:	TMCSW0601BB	Lab Sample ID:	0710131-006A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103027.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0163	0.556	0.0163	1		U
Aroclor 1221	0.122	0.556	0.122	1		U
Aroclor 1232	0.0686	0.556	0.0686	1		U
Aroclor 1242	0.0911	0.556	0.0911	1		U
Aroclor 1248	0.143	0.556	0.143	1		U
Aroclor 1254	0.155	0.556	0.155	1		U
Aroclor 1260	0.0181	0.556	0.0181	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	42 - 133	

cwt 11/22/08

omments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
ab Name:	Life Science Laboratories, Inc.	Contract #:			
ield Sample ID:	TMCSW0701BB	Lab Sample ID:	0710131-007A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103028.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0163	0.556	0.0163	1		U
Aroclor 1221	0.122	0.556	0.122	1		U
Aroclor 1232	0.0686	0.556	0.0686	1		U
Aroclor 1242	0.0911	0.556	0.0911	1		U
Aroclor 1248	0.143	0.556	0.143	1		U
Aroclor 1254	0.155	0.556	0.155	1		U
Aroclor 1260	0.0181	0.556	0.227	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	58	42 - 133	

CWK 1/22/08

omments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8082	Preparatory Method:	SW3520C	AAB #:	6450
ab Name:	Life Science Laboratories, Inc.	Contract #:			
ield Sample ID:	TMCSW0801BB	Lab Sample ID:	0710131-008A	Matrix:	Surface Water
Solids:	0	Initial Calibration ID:	1112	File ID:	F:\90oct07\D103029.rst
ate Received:	19-Oct-07	Date Extracted:	24-Oct-07	Date Analyzed:	31-Oct-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	980 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0150	0.510	0.0150	1		~~UJ~~ UM
Aroclor 1221	0.112	0.510	0.112	1		~~UJ~~
Aroclor 1232	0.0630	0.510	0.0630	1		~~UJ~~
Aroclor 1242	0.0837	0.510	0.0837	1		~~UJ~~
Aroclor 1248	0.131	0.510	0.131	1		~~UJ~~
Aroclor 1254	0.142	0.510	0.142	1		~~UJ~~
Aroclor 1260	0.0166	0.510	0.0166	1		~~UJ~~

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	32	42 - 133	*

CWA 1/22/08

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

nalytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
ab Name:	Life Science Laboratories, Inc.	**Contract #:**			
ield Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103030.rst
ate Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
oncentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0162	0.549	0.0162	1		U
Aroclor 1221	0.120	0.549	0.120	1		U
Aroclor 1232	0.0678	0.549	0.0678	1		U
Aroclor 1242	0.0901	0.549	0.0901	1		U
Aroclor 1248	0.141	0.549	0.141	1		U
Aroclor 1254	0.153	0.549	0.153	1		U
Aroclor 1260	0.0179	0.549	0.0179	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	96	42 - 133	

ent 11/24/08

omments:

Appendix C

Raw Lab Data

This page is intentionally left blank.

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Friday, December 21, 2007

Niels van Hoesel
FPM Group
153 Brooks Road
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - TMC LTM-SED
RE: Analytical Result Order No.: 0710130

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 8 sample(s) on 10/19/2007 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Monika Santucci
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-TMC LTM-Sed-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperatures of the coolers were -0.8°C and 1.4°C.

The Pesticide and PCB analysis requested on the chain of custody will be presented in a separate report.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Semivolatile Organics	SW8270C	1
ICP Metals	SW6010B	1
Mercury	SW7471A	1
Percent Moisture	ASTM D2216	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

2) ASTM

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order #:	0710130
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 11/28/07

Supervisor/Reviewed by (Initials/Date): 12/19/07

QA/QC Review (Initials/Date): 12/21/07

File Name: G:\Narratives\MSVoa\0710130msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-11744	MS3	Acetone	22.2		1
		1,1-Dichloroethene	25		2

1 Allowed by project variance. No corrective action required.

2 The recovery exceeded the lower control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-Volatile Organics Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB-TMC LTM-Sed
Work Order #:	0710130
Methodology:	8270C

Analyzed/Reviewed by (Initials/Date): MA 11/13/07

Supervisor/Reviewed by (Initials/Date): Yle for mv 11/25/07

QA/QC Review (Initials/Date): Yle 11/25/07

File Name: G:\Narratives\MSSemi\0710130svnar.doc

GC/MS Semi-Volatile Organics
The GC/MS Semi-volatile instruments used a J & W DB-5MS, 30 m x 0.25 mm ID capillary column.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-6458	4-Chloroaniline	1
LCSD-6458	4-Chloroaniline	1

1 The recovery marginally exceeded the lower control limit. The chromatogram was inspected for concentrations down to the MDL in the associated samples and the analyte was not detected. The analyte is not of project specific concern and was within marginal exceedance limits. No corrective action is required.

Surrogate Standards
The following sample(s) did not meet surrogate recovery criteria:

Sample Description	Sample #	Surrogate	Corrective Action
TMCSD0801BB	0710130-008B	Terphenyl-d14	1

1 The recovery met acceptance criteria when reanalyzed at a higher dilution. Matrix interference is suspected. Both sets of data are reported. No further corrective action was taken.

Client ID:	FPM
Project/Order:	Griffiss AFB-TMC LTM-Sed
Work Order#:	0710130
Methodology:	8270C

Internal Standards
The internal standard area for the following sample(s) did not meet abundance criteria:

Sample Description	Sample #	Internal Standard	Corrective Action
TMCSD0601BB	0710130-006B	Perylene-d12	1
TMCSD0701BB	0710130-007B	Perylene-d12	1
TMCSD0801BB	0710130-008B	Perylene-d12	1

1 The recovery met acceptance criteria when reanalyzed at a higher dilution. Matrix interference is suspected. Both sets of data are reported. No further corrective action was taken.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Trace Metals Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order #:	0710130
Methodology:	ICP metals – SW6010B

Analyzed/Reviewed by (Date/Initials): 11-7-07 mt

Supervisor/Reviewed by (Date/Initials): 11-7-07 mt

QA/QC Review (Date/Initials): 11/7/07 mt

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
The following analytes did not meet matrix spike/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
TMCSD0101BB	0710130-001B	Al, Sb, Fe	X		1

1. Form I-2 & I-7 were flagged with an "M" accordingly. No further corrective action was taken.

Interference Check Standard
All percent recoveries met method and/or project specific QC criteria.

ICP Serial Dilution
All percent differences met method and/or project specific QC criteria.

Post Digestion Spike Addition
The following analytes did not meet ICP post digestion spike addition recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
TMCSD0101BB	0710130-001B	Al, Fe	1

1. The dilution test met QC criteria. No corrective action was taken.

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order #:	0710130
Methodology:	ICP metals – SW6010B

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Trace Metals Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order #:	0710130
Methodology:	Mercury – SW 7471A

Analyzed/Reviewed by (Date/Initials): 11-5-07 MT

Supervisor/Reviewed by (Date/Initials): 11-5-07 MT

QA/QC Review (Date/Initials): 11/6/07 MT

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

CVAA Dilution Test
All percent differences met method and/or project specific QC criteria.

CVAA Recovery Test
All spike recoveries met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *21-Dec-07*

CLIENT: FPM Group
Project: Griffiss AFB - TMC LTM-Sed
Lab Order: 0710130

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710130-001A	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-001B	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-001C	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-002A	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-002B	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-002C	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-003A	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-003B	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-003C	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-004A	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-004B	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-004C	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-005A	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-005B	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-005C	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-006A	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-006B	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-006C	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-007A	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-007B	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-007C	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-008A	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710130-008B	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710130-008C	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-001B	TMCSD0101BB	10/18/2007 11:35:00 AM	Sediment	Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	10/30/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	10/30/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-001C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-002B	TMCSD0201BB	10/18/2007 1:45:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-002C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-003B	TMCSD0301BB	10/18/2007 10:20:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-003C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-004B	TMCSD0401BB	10/18/2007 9:45:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-004B	TMCSD0401BB	10/18/2007 9:45:00 AM	Sediment	Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-004C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-005B	TMCSD0501BB	10/18/2007 9:15:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-005C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-006B	TMCSD0601BB	10/18/2007 11:05:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-006C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-007B	TMCSD0701BB	10/18/2007 2:05:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-007B	TMCSD0701BB	10/18/2007 2:05:00 PM	Sediment	Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-007C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-008B	TMCSD0801BB	10/18/2007 1:15:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-008C				Volatile Organic Compounds by GC/MS			10/27/2007

Chain of Custody

External Chain of Custody

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2007	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	VOCs note 1 40 mL vial	SVOCs, PCBs, Pest., metals mercury note 2 8 oz glass jar	Comments
TMCSD0101BB	TMCSW-13	10/18	1135	SE	G	N	0/0	5	1	3	1	Vial 678: 5 3gr., Vial 679: 5.6gr., Vial 680: 5.0gr.
TMCSD0201BB	TMCSW-903	10/18	1345	SE	G	N	0/0	5	1	3	1	Vial 687: 5 4gr., Vial 688: 5.1gr., Vial 689: 5.2gr.
TMCSD0301BB	TMCSW-902	10/18	1020	SE	G	N	0/0	5	1	3	1	Vial 675: 5 0gr., Vial 676: 5.6gr., Vial 677: 5.9gr.
TMCSD0401BB	RV-TMCFSS-4	10/18	0945	SE	G	N	0/0	5	1	3	1	Vial 672: 5 3gr., Vial 673: 5.1gr., Vial 674: 5.0gr.
TMCSD0501BB	RV-TMCFSS-5	10/18	0915	SE	G	N	0/0	5	1	3	1	Vial 693: 5 5gr., Vial 694: 5.5gr., Vial 695: 6.2gr.
TMCSD0601BB	TMCSW-14	10/18	1105	SE	G	N	0/0	5	1	3	1	Vial 684: 5 4gr., Vial 685: 5.2gr., Vial 686: 5.0gr.
TMCSD0701BB	RV-TMCSS-7	10/18	1405	SE	G	N	0/0	5	1	3	1	Vial 690: 5 3gr., Vial 691: 5.2gr., Vial 692: 5.0gr.
TMCSD0801BB	RV-TMCSS-8	10/18	1315	SE	G	N	0/0	5	1	3	1	Vial 681: 5 1gr., Vial 682: 5.0gr., Vial 683: 5.2gr.

Sample Condition Upon Receipt at Laboratory: Good, Custody Seals INTACT Cooler temperature: 1.4°, -0.8° C on ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.

Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List, PCBs: Method SW8082 for AFCEE QAPP 4.0 List, Pesticides: Method SW8081 for AFCEE QAPP 4.0 List.

Note 3: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date: 10/19/07
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name: LSL	Time: 945
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date: 10/19/07
Company Name: FPM Group Ltd	Time: 1200	Company Name: LSL	Time: 855	Company Name: LSL	Time: 0945

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

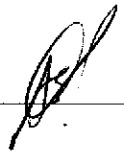
SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM** Date and Time Received: **10/19/2007 9:45:00 AM**

Work Order Number **0710130** Received by: ads

Checklist completed by:  Initials 10/19/07 Date Reviewed by: MS Initials 10/17/07 Date

Matrix: Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action::

Client/Project 0710130 FPM Griffiss AFB

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001→008	B		HK	10-20-07 1825	PM01ST	10-20-07 2130
-001→008	B		BW	10/23/07 13:30	35505-8081S	14:20
-001→006	B		JR	10/25/07 905	8260/8270	1255 10/25/07
0710130-001→008	B		DR	10/26/07 08:15	Hg ICP/TCP	10/26/07 15:00
0710130-001→008	B		BW	10/29/07 8:35	Hg747SAF	
0710130-002-007	B		G.L	10-31-07 15:20	8082SAF	10-31-07 16:35

Internal Chain of Custody

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 6466 Date Digested : 10/26/07

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
FPM	0710130-001B → 008B	0710130-001B → 008B	C. Tran	10/29/07	9:30	17:00

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R11744

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001C
TMCSD0201BB	0710130-002C
TMCSD0301BB	0710130-003C
TMCSD0401BB	0710130-004C
TMCSD0501BB	0710130-005C
TMCSD0601BB	0710130-006C
TMCSD0701BB	0710130-007C
TMCSD0801BB	0710130-008C

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 12/20/07 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00014	0.00533	0.000682	0.89		F
1,1,1,2-Tetrachloroethane	0.00017	0.00320	0.00017	0.89		U
1,1,1-Trichloroethane	0.00015	0.00533	0.00015	0.89		U
1,1,2,2-Tetrachloroethane	0.00015	0.00320	0.00015	0.89		U
1,1,2-Trichloroethane	0.00027	0.00533	0.00027	0.89		U
1,1-Dichloroethane	0.00009	0.00533	0.00009	0.89		U
1,1-Dichloroethene	0.00016	0.00640	0.00016	0.89		UQ
1,1-Dichloropropene	0.00020	0.00533	0.00020	0.89		U
1,2,3-Trichlorobenzene	0.00044	0.00533	0.00044	0.89		U
1,2,3-Trichloropropane	0.00025	0.00533	0.00025	0.89		U
1,2,4-Trichlorobenzene	0.00035	0.00533	0.00035	0.89		U
1,2,4-Trimethylbenzene	0.00006	0.00640	0.000650	0.89		F
1,2-Dibromo-3-chloropropane	0.00033	0.0107	0.00033	0.89		U
1,2-Dibromoethane	0.00009	0.00533	0.00009	0.89		U
1,2-Dichlorobenzene	0.00006	0.00533	0.00006	0.89		U
1,2-Dichloroethane	0.00012	0.00320	0.00012	0.89		U
1,2-Dichloropropane	0.00023	0.00533	0.00023	0.89		U
1,3,5-Trimethylbenzene	0.00009	0.00533	0.00009	0.89		U
1,3-Dichlorobenzene	0.00012	0.00640	0.00012	0.89		U
1,3-Dichloropropane	0.00010	0.00266	0.00010	0.89		U
1,4-Dichlorobenzene	0.00006	0.00266	0.00006	0.89		U
1-Chlorohexane	0.00017	0.00533	0.00017	0.89		U
2,2-Dichloropropane	0.00014	0.00533	0.00014	0.89		U
2-Butanone	0.00045	0.0213	0.00375	0.89		F
2-Chlorotoluene	0.00004	0.00533	0.00004	0.89		U
4-Chlorotoluene	0.00007	0.00533	0.00007	0.89		U
4-Methyl-2-pentanone	0.00034	0.0213	0.00034	0.89		U
Acetone	0.00032	0.0533	0.0201	0.89		F
Benzene	0.00005	0.00266	0.00005	0.89		U
Bromobenzene	0.00016	0.00533	0.00016	0.89		U
Bromochloromethane	0.00021	0.00533	0.00021	0.89		U
Bromodichloromethane	0.00006	0.00266	0.00006	0.89		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00018	0.00640	0.00018	0.89		U
Bromomethane	0.00014	0.0107	0.00014	0.89		U
Carbon tetrachloride	0.00013	0.00533	0.00013	0.89		U
Chlorobenzene	0.00007	0.00266	0.00131	0.89		F
Chloroethane	0.00027	0.00533	0.00027	0.89		U
Chloroform	0.00007	0.00266	0.00007	0.89		U
Chloromethane	0.00033	0.00533	0.00033	0.89		U
cis-1,2-Dichloroethene	0.00017	0.00533	0.00017	0.89		U
cis-1,3-Dichloropropene	0.00010	0.00320	0.00010	0.89		U
Dibromochloromethane	0.00007	0.00320	0.00007	0.89		U
Dibromomethane	0.00013	0.00533	0.00013	0.89		U
Dichlorodifluoromethane	0.00009	0.00533	0.00009	0.89		U
Ethylbenzene	0.00014	0.00533	0.00014	0.89		U
Hexachlorobutadiene	0.00041	0.00320	0.00041	0.89		U
Isopropylbenzene	0.00005	0.00533	0.00005	0.89		U
Methyl tert-butyl ether	0.00014	0.0213	0.00014	0.89		U
Methylene chloride	0.00064	0.00533	0.00064	0.89		U
n-Butylbenzene	0.00014	0.00533	0.00014	0.89		U
n-Propylbenzene	0.00003	0.00533	0.00003	0.89		U
Naphthalene	0.00022	0.00533	0.00022	0.89		U
o-Xylene	0.00018	0.00533	0.00018	0.89		U
p-Isopropyltoluene	0.00018	0.00640	0.00018	0.89		U
sec-Butylbenzene	0.00005	0.00533	0.00005	0.89		U
Styrene	0.00013	0.00533	0.00013	0.89		U
tert-Butylbenzene	0.00009	0.00533	0.00009	0.89		U
Tetrachloroethene	0.00012	0.00533	0.00012	0.89		U
Toluene	0.00005	0.00533	0.00005	0.89		U
trans-1,2-Dichloroethene	0.00013	0.00533	0.00013	0.89		U
trans-1,3-Dichloropropene	0.00016	0.00533	0.00016	0.89		U
Trichloroethene	0.00013	0.00533	0.00013	0.89		U
Trichlorofluoromethane	0.00009	0.00533	0.00009	0.89		U
Vinyl chloride	0.00014	0.00533	0.00014	0.89		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001C	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1107	**File ID:**	J4993.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.6 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00533	0.000682	0.89		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	88	52 - 149	
4-Bromofluorobenzene	90	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	101	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	608441	349446 - 1397786	
Chlorobenzene-d5	750478	392286 - 1569146	
Fluorobenzene	2092903	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00014	0.00548	0.000932	0.84		F
1,1,1,2-Tetrachloroethane	0.00018	0.00329	0.00018	0.84		U
1,1,1-Trichloroethane	0.00015	0.00548	0.00015	0.84		U
1,1,2,2-Tetrachloroethane	0.00015	0.00329	0.00015	0.84		U
1,1,2-Trichloroethane	0.00027	0.00548	0.00027	0.84		U
1,1-Dichloroethane	0.00009	0.00548	0.00009	0.84		U
1,1-Dichloroethene	0.00016	0.00658	0.00016	0.84		UQ
1,1-Dichloropropene	0.00021	0.00548	0.00021	0.84		U
1,2,3-Trichlorobenzene	0.00045	0.00548	0.00045	0.84		U
1,2,3-Trichloropropane	0.00025	0.00548	0.00025	0.84		U
1,2,4-Trichlorobenzene	0.00036	0.00548	0.00036	0.84		U
1,2,4-Trimethylbenzene	0.00007	0.00658	0.00160	0.84		F
1,2-Dibromo-3-chloropropane	0.00034	0.0110	0.00034	0.84		U
1,2-Dibromoethane	0.00009	0.00548	0.00009	0.84		U
1,2-Dichlorobenzene	0.00007	0.00548	0.000625	0.84		F
1,2-Dichloroethane	0.00012	0.00329	0.00012	0.84		U
1,2-Dichloropropane	0.00024	0.00548	0.00024	0.84		U
1,3,5-Trimethylbenzene	0.00009	0.00548	0.000713	0.84		F
1,3-Dichlorobenzene	0.00012	0.00658	0.00012	0.84		U
1,3-Dichloropropane	0.00010	0.00274	0.00010	0.84		U
1,4-Dichlorobenzene	0.00007	0.00274	0.00194	0.84		F
1-Chlorohexane	0.00018	0.00548	0.00018	0.84		U
2,2-Dichloropropane	0.00014	0.00548	0.00014	0.84		U
2-Butanone	0.00046	0.0219	0.00532	0.84		F
2-Chlorotoluene	0.00004	0.00548	0.00004	0.84		U
4-Chlorotoluene	0.00008	0.00548	0.00008	0.84		U
4-Methyl-2-pentanone	0.00035	0.0219	0.00035	0.84		U
Acetone	0.00033	0.0548	0.0200	0.84		F
Benzene	0.00005	0.00274	0.00005	0.84		U
Bromobenzene	0.00016	0.00548	0.00016	0.84		U
Bromochloromethane	0.00022	0.00548	0.00022	0.84		U
Bromodichloromethane	0.00007	0.00274	0.00007	0.84		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00019	0.00658	0.00019	0.84		U
Bromomethane	0.00014	0.0110	0.00014	0.84		U
Carbon tetrachloride	0.00013	0.00548	0.00013	0.84		U
Chlorobenzene	0.00008	0.00274	0.00133	0.84		F
Chloroethane	0.00027	0.00548	0.00027	0.84		U
Chloroform	0.00008	0.00274	0.00008	0.84		U
Chloromethane	0.00034	0.00548	0.00034	0.84		U
cis-1,2-Dichloroethene	0.00018	0.00548	0.00018	0.84		U
cis-1,3-Dichloropropene	0.00010	0.00329	0.00010	0.84		U
Dibromochloromethane	0.00008	0.00329	0.00008	0.84		U
Dibromomethane	0.00013	0.00548	0.00013	0.84		U
Dichlorodifluoromethane	0.00009	0.00548	0.00009	0.84		U
Ethylbenzene	0.00014	0.00548	0.00014	0.84		U
Hexachlorobutadiene	0.00042	0.00329	0.00042	0.84		U
Isopropylbenzene	0.00005	0.00548	0.00005	0.84		U
Methyl tert-butyl ether	0.00014	0.0219	0.00014	0.84		U
Methylene chloride	0.00066	0.00548	0.00066	0.84		U
n-Butylbenzene	0.00014	0.00548	0.00014	0.84		U
n-Propylbenzene	0.00003	0.00548	0.00003	0.84		U
Naphthalene	0.00023	0.00548	0.00023	0.84		U
o-Xylene	0.00019	0.00548	0.00019	0.84		U
p-Isopropyltoluene	0.00019	0.00658	0.00019	0.84		U
sec-Butylbenzene	0.00005	0.00548	0.00005	0.84		U
Styrene	0.00013	0.00548	0.00013	0.84		U
tert-Butylbenzene	0.00009	0.00548	0.00009	0.84		U
Tetrachloroethene	0.00012	0.00548	0.00012	0.84		U
Toluene	0.00005	0.00548	0.00005	0.84		U
trans-1,2-Dichloroethene	0.00013	0.00548	0.00013	0.84		U
trans-1,3-Dichloropropene	0.00016	0.00548	0.00016	0.84		U
Trichloroethene	0.00013	0.00548	0.00013	0.84		U
Trichlorofluoromethane	0.00009	0.00548	0.00009	0.84		U
Vinyl chloride	0.00014	0.00548	0.00014	0.84		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4994.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.92 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00033	0.00548	0.000932	0.84		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	87	52 - 149	
4-Bromofluorobenzene	97	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	104	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	636256	349446 - 1397786	
Chlorobenzene-d5	744875	392286 - 1569146	
Fluorobenzene	2006158	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00015	0.00581	0.000651	0.89		F
1,1,1,2-Tetrachloroethane	0.00019	0.00349	0.00019	0.89		U
1,1,1-Trichloroethane	0.00016	0.00581	0.00016	0.89		U
1,1,2,2-Tetrachloroethane	0.00016	0.00349	0.00016	0.89		U
1,1,2-Trichloroethane	0.00029	0.00581	0.00029	0.89		U
1,1-Dichloroethane	0.00009	0.00581	0.00009	0.89		U
1,1-Dichloroethene	0.00017	0.00697	0.00017	0.89		UQ
1,1-Dichloropropene	0.00022	0.00581	0.00022	0.89		U
1,2,3-Trichlorobenzene	0.00048	0.00581	0.00048	0.89		U
1,2,3-Trichloropropane	0.00027	0.00581	0.00027	0.89		U
1,2,4-Trichlorobenzene	0.00038	0.00581	0.00038	0.89		U
1,2,4-Trimethylbenzene	0.00007	0.00697	0.000976	0.89		F
1,2-Dibromo-3-chloropropane	0.00036	0.0116	0.00036	0.89		U
1,2-Dibromoethane	0.00009	0.00581	0.00009	0.89		U
1,2-Dichlorobenzene	0.00007	0.00581	0.00007	0.89		U
1,2-Dichloroethane	0.00013	0.00349	0.00013	0.89		U
1,2-Dichloropropane	0.00026	0.00581	0.00026	0.89		U
1,3,5-Trimethylbenzene	0.00009	0.00581	0.00009	0.89		U
1,3-Dichlorobenzene	0.00013	0.00697	0.00013	0.89		U
1,3-Dichloropropane	0.00010	0.00290	0.00010	0.89		U
1,4-Dichlorobenzene	0.00007	0.00290	0.00007	0.89		U
1-Chlorohexane	0.00019	0.00581	0.00019	0.89		U
2,2-Dichloropropane	0.00015	0.00581	0.00015	0.89		U
2-Butanone	0.00049	0.0232	0.00049	0.89		U
2-Chlorotoluene	0.00005	0.00581	0.00005	0.89		U
4-Chlorotoluene	0.00008	0.00581	0.00008	0.89		U
4-Methyl-2-pentanone	0.00037	0.0232	0.00037	0.89		U
Acetone	0.00035	0.0581	0.0112	0.89		F
Benzene	0.00006	0.00290	0.00006	0.89		U
Bromobenzene	0.00017	0.00581	0.00017	0.89		U
Bromochloromethane	0.00023	0.00581	0.00023	0.89		U
Bromodichloromethane	0.00007	0.00290	0.00007	0.89		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00020	0.00697	0.00020	0.89		U
Bromomethane	0.00015	0.0116	0.00015	0.89		U
Carbon tetrachloride	0.00014	0.00581	0.00014	0.89		U
Chlorobenzene	0.00008	0.00290	0.000930	0.89		F
Chloroethane	0.00029	0.00581	0.00029	0.89		U
Chloroform	0.00008	0.00290	0.00008	0.89		U
Chloromethane	0.00036	0.00581	0.00036	0.89		U
cis-1,2-Dichloroethene	0.00019	0.00581	0.00019	0.89		U
cis-1,3-Dichloropropene	0.00010	0.00349	0.00010	0.89		U
Dibromochloromethane	0.00008	0.00349	0.00008	0.89		U
Dibromomethane	0.00014	0.00581	0.00014	0.89		U
Dichlorodifluoromethane	0.00009	0.00581	0.00009	0.89		U
Ethylbenzene	0.00015	0.00581	0.00015	0.89		U
Hexachlorobutadiene	0.00044	0.00349	0.00044	0.89		U
Isopropylbenzene	0.00006	0.00581	0.00006	0.89		U
Methyl tert-butyl ether	0.00015	0.0232	0.00015	0.89		U
Methylene chloride	0.00070	0.00581	0.00070	0.89		U
n-Butylbenzene	0.00015	0.00581	0.00015	0.89		U
n-Propylbenzene	0.00003	0.00581	0.00003	0.89		U
Naphthalene	0.00024	0.00581	0.00024	0.89		U
o-Xylene	0.00020	0.00581	0.00020	0.89		U
p-Isopropyltoluene	0.00020	0.00697	0.00020	0.89		U
sec-Butylbenzene	0.00006	0.00581	0.00006	0.89		U
Styrene	0.00014	0.00581	0.00014	0.89		U
tert-Butylbenzene	0.00009	0.00581	0.00009	0.89		U
Tetrachloroethene	0.00013	0.00581	0.00013	0.89		U
Toluene	0.00006	0.00581	0.00006	0.89		U
trans-1,2-Dichloroethene	0.00014	0.00581	0.00014	0.89		U
trans-1,3-Dichloropropene	0.00017	0.00581	0.00017	0.89		U
Trichloroethene	0.00014	0.00581	0.00014	0.89		U
Trichlorofluoromethane	0.00009	0.00581	0.00009	0.89		U
Vinyl chloride	0.00015	0.00581	0.00015	0.89		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003C	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1107	**File ID:**	J4995.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.62 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00035	0.00581	0.000651	0.89		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	87	52 - 149	
4-Bromofluorobenzene	91	84 - 118	
Dibromofluoromethane	93	65 - 135	
Toluene-d8	103	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	635735	349446 - 1397786	
Chlorobenzene-d5	783799	392286 - 1569146	
Fluorobenzene	2122496	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00014	0.00535	0.000588	0.85		F
1,1,1,2-Tetrachloroethane	0.00017	0.00321	0.00017	0.85		U
1,1,1-Trichloroethane	0.00015	0.00535	0.00015	0.85		U
1,1,2,2-Tetrachloroethane	0.00015	0.00321	0.00015	0.85		U
1,1,2-Trichloroethane	0.00027	0.00535	0.00027	0.85		U
1,1-Dichloroethane	0.00009	0.00535	0.00009	0.85		U
1,1-Dichloroethene	0.00016	0.00642	0.00016	0.85		UQ
1,1-Dichloropropene	0.00020	0.00535	0.00020	0.85		U
1,2,3-Trichlorobenzene	0.00044	0.00535	0.00044	0.85		U
1,2,3-Trichloropropane	0.00025	0.00535	0.00025	0.85		U
1,2,4-Trichlorobenzene	0.00035	0.00535	0.00035	0.85		U
1,2,4-Trimethylbenzene	0.00006	0.00642	0.000930	0.85		F
1,2-Dibromo-3-chloropropane	0.00033	0.0107	0.00033	0.85		U
1,2-Dibromoethane	0.00009	0.00535	0.00009	0.85		U
1,2-Dichlorobenzene	0.00006	0.00535	0.00006	0.85		U
1,2-Dichloroethane	0.00012	0.00321	0.00012	0.85		U
1,2-Dichloropropane	0.00024	0.00535	0.00024	0.85		U
1,3,5-Trimethylbenzene	0.00009	0.00535	0.00009	0.85		U
1,3-Dichlorobenzene	0.00012	0.00642	0.00012	0.85		U
1,3-Dichloropropane	0.00010	0.00267	0.00010	0.85		U
1,4-Dichlorobenzene	0.00006	0.00267	0.00006	0.85		U
1-Chlorohexane	0.00017	0.00535	0.00017	0.85		U
2,2-Dichloropropane	0.00014	0.00535	0.00014	0.85		U
2-Butanone	0.00045	0.0214	0.00045	0.85		U
2-Chlorotoluene	0.00004	0.00535	0.00004	0.85		U
4-Chlorotoluene	0.00007	0.00535	0.00007	0.85		U
4-Methyl-2-pentanone	0.00034	0.0214	0.00034	0.85		U
Acetone	0.00032	0.0535	0.00032	0.85		U
Benzene	0.00005	0.00267	0.00005	0.85		U
Bromobenzene	0.00016	0.00535	0.00016	0.85		U
Bromochloromethane	0.00021	0.00535	0.00021	0.85		U
Bromodichloromethane	0.00006	0.00267	0.00006	0.85		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00018	0.00642	0.00018	0.85		U
Bromomethane	0.00014	0.0107	0.00014	0.85		U
Carbon tetrachloride	0.00013	0.00535	0.00013	0.85		U
Chlorobenzene	0.00007	0.00267	0.00102	0.85		F
Chloroethane	0.00027	0.00535	0.00027	0.85		U
Chloroform	0.00007	0.00267	0.00007	0.85		U
Chloromethane	0.00033	0.00535	0.00033	0.85		U
cis-1,2-Dichloroethene	0.00017	0.00535	0.00017	0.85		U
cis-1,3-Dichloropropene	0.00010	0.00321	0.00010	0.85		U
Dibromochloromethane	0.00007	0.00321	0.00007	0.85		U
Dibromomethane	0.00013	0.00535	0.00013	0.85		U
Dichlorodifluoromethane	0.00009	0.00535	0.00009	0.85		U
Ethylbenzene	0.00014	0.00535	0.00014	0.85		U
Hexachlorobutadiene	0.00041	0.00321	0.00041	0.85		U
Isopropylbenzene	0.00005	0.00535	0.00005	0.85		U
Methyl tert-butyl ether	0.00014	0.0214	0.00014	0.85		U
Methylene chloride	0.00064	0.00535	0.00064	0.85		U
n-Butylbenzene	0.00014	0.00535	0.00014	0.85		U
n-Propylbenzene	0.00003	0.00535	0.00003	0.85		U
Naphthalene	0.00022	0.00535	0.00022	0.85		U
o-Xylene	0.00018	0.00535	0.00018	0.85		U
p-Isopropyltoluene	0.00018	0.00642	0.00018	0.85		U
sec-Butylbenzene	0.00005	0.00535	0.00005	0.85		U
Styrene	0.00013	0.00535	0.00013	0.85		U
tert-Butylbenzene	0.00009	0.00535	0.00009	0.85		U
Tetrachloroethene	0.00012	0.00535	0.00012	0.85		U
Toluene	0.00005	0.00535	0.00005	0.85		U
trans-1,2-Dichloroethene	0.00013	0.00535	0.00013	0.85		U
trans-1,3-Dichloropropene	0.00016	0.00535	0.00016	0.85		U
Trichloroethene	0.00013	0.00535	0.00013	0.85		U
Trichlorofluoromethane	0.00009	0.00535	0.00009	0.85		U
Vinyl chloride	0.00014	0.00535	0.00014	0.85		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004C	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1107	**File ID:**	J4996.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.88 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00535	0.000588	0.85		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	88	52 - 149	
4-Bromofluorobenzene	93	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	103	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	642666	349446 - 1397786	
Chlorobenzene-d5	759492	392286 - 1569146	
Fluorobenzene	2019465	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00014	0.00525	0.00014	0.73		U
1,1,1,2-Tetrachloroethane	0.00017	0.00315	0.00017	0.73		U
1,1,1-Trichloroethane	0.00015	0.00525	0.00015	0.73		U
1,1,2,2-Tetrachloroethane	0.00015	0.00315	0.00015	0.73		U
1,1,2-Trichloroethane	0.00026	0.00525	0.00026	0.73		U
1,1-Dichloroethane	0.00008	0.00525	0.00008	0.73		U
1,1-Dichloroethene	0.00016	0.00630	0.00016	0.73		UQ
1,1-Dichloropropene	0.00020	0.00525	0.00020	0.73		U
1,2,3-Trichlorobenzene	0.00043	0.00525	0.00043	0.73		U
1,2,3-Trichloropropane	0.00024	0.00525	0.00024	0.73		U
1,2,4-Trichlorobenzene	0.00035	0.00525	0.00035	0.73		U
1,2,4-Trimethylbenzene	0.00006	0.00630	0.000819	0.73		F
1,2-Dibromo-3-chloropropane	0.00033	0.0105	0.00033	0.73		U
1,2-Dibromoethane	0.00008	0.00525	0.00008	0.73		U
1,2-Dichlorobenzene	0.00006	0.00525	0.000599	0.73		F
1,2-Dichloroethane	0.00012	0.00315	0.00012	0.73		U
1,2-Dichloropropane	0.00023	0.00525	0.00023	0.73		U
1,3,5-Trimethylbenzene	0.00008	0.00525	0.00008	0.73		U
1,3-Dichlorobenzene	0.00012	0.00630	0.00012	0.73		U
1,3-Dichloropropane	0.00009	0.00263	0.00009	0.73		U
1,4-Dichlorobenzene	0.00006	0.00263	0.00006	0.73		U
1-Chlorohexane	0.00017	0.00525	0.00017	0.73		U
2,2-Dichloropropane	0.00014	0.00525	0.00014	0.73		U
2-Butanone	0.00044	0.0210	0.0133	0.73		F
2-Chlorotoluene	0.00004	0.00525	0.00004	0.73		U
4-Chlorotoluene	0.00007	0.00525	0.00007	0.73		U
4-Methyl-2-pentanone	0.00034	0.0210	0.00034	0.73		U
Acetone	0.00032	0.0525	0.0531	0.73		
Benzene	0.00005	0.00263	0.00005	0.73		U
Bromobenzene	0.00016	0.00525	0.00016	0.73		U
Bromochloromethane	0.00021	0.00525	0.00021	0.73		U
Bromodichloromethane	0.00006	0.00263	0.00006	0.73		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00018	0.00630	0.00018	0.73		U
Bromomethane	0.00014	0.0105	0.00014	0.73		U
Carbon tetrachloride	0.00013	0.00525	0.00013	0.73		U
Chlorobenzene	0.00007	0.00263	0.00123	0.73		F
Chloroethane	0.00026	0.00525	0.00026	0.73		U
Chloroform	0.00007	0.00263	0.00007	0.73		U
Chloromethane	0.00033	0.00525	0.00033	0.73		U
cis-1,2-Dichloroethene	0.00017	0.00525	0.00017	0.73		U
cis-1,3-Dichloropropene	0.00009	0.00315	0.00009	0.73		U
Dibromochloromethane	0.00007	0.00315	0.00007	0.73		U
Dibromomethane	0.00013	0.00525	0.00013	0.73		U
Dichlorodifluoromethane	0.00008	0.00525	0.00008	0.73		U
Ethylbenzene	0.00014	0.00525	0.00014	0.73		U
Hexachlorobutadiene	0.00040	0.00315	0.00040	0.73		U
Isopropylbenzene	0.00005	0.00525	0.00005	0.73		U
Methyl tert-butyl ether	0.00014	0.0210	0.00014	0.73		U
Methylene chloride	0.00063	0.00525	0.00063	0.73		U
n-Butylbenzene	0.00014	0.00525	0.00014	0.73		U
n-Propylbenzene	0.00003	0.00525	0.00003	0.73		U
Naphthalene	0.00022	0.00525	0.00022	0.73		U
o-Xylene	0.00018	0.00525	0.00018	0.73		U
p-Isopropyltoluene	0.00018	0.00630	0.00018	0.73		U
sec-Butylbenzene	0.00005	0.00525	0.00005	0.73		U
Styrene	0.00013	0.00525	0.00013	0.73		U
tert-Butylbenzene	0.00008	0.00525	0.00008	0.73		U
Tetrachloroethene	0.00012	0.00525	0.00012	0.73		U
Toluene	0.00005	0.00525	0.00005	0.73		U
trans-1,2-Dichloroethene	0.00013	0.00525	0.00013	0.73		U
trans-1,3-Dichloropropene	0.00016	0.00525	0.00016	0.73		U
Trichloroethene	0.00013	0.00525	0.00013	0.73		U
Trichlorofluoromethane	0.00008	0.00525	0.00008	0.73		U
Vinyl chloride	0.00014	0.00525	0.00014	0.73		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005C	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1107	**File ID:**	J4997.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	6.82 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00032	0.00525	0.00032	0.73		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	91	52 - 149	
4-Bromofluorobenzene	93	84 - 118	
Dibromofluoromethane	94	65 - 135	
Toluene-d8	106	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	389931	349446 - 1397786	
Chlorobenzene-d5	475420	392286 - 1569146	
Fluorobenzene	1226705	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00014	0.00545	0.00014	0.85		U
1,1,1,2-Tetrachloroethane	0.00017	0.00327	0.00017	0.85		U
1,1,1-Trichloroethane	0.00015	0.00545	0.00015	0.85		U
1,1,2,2-Tetrachloroethane	0.00015	0.00327	0.00015	0.85		U
1,1,2-Trichloroethane	0.00027	0.00545	0.00027	0.85		U
1,1-Dichloroethane	0.00009	0.00545	0.00009	0.85		U
1,1-Dichloroethene	0.00016	0.00654	0.00016	0.85		UQ
1,1-Dichloropropene	0.00021	0.00545	0.00021	0.85		U
1,2,3-Trichlorobenzene	0.00045	0.00545	0.00045	0.85		U
1,2,3-Trichloropropane	0.00025	0.00545	0.00025	0.85		U
1,2,4-Trichlorobenzene	0.00036	0.00545	0.00036	0.85		U
1,2,4-Trimethylbenzene	0.00007	0.00654	0.00100	0.85		F
1,2-Dibromo-3-chloropropane	0.00034	0.0109	0.00034	0.85		U
1,2-Dibromoethane	0.00009	0.00545	0.00009	0.85		U
1,2-Dichlorobenzene	0.00007	0.00545	0.00007	0.85		U
1,2-Dichloroethane	0.00012	0.00327	0.00012	0.85		U
1,2-Dichloropropane	0.00024	0.00545	0.00024	0.85		U
1,3,5-Trimethylbenzene	0.00009	0.00545	0.00009	0.85		U
1,3-Dichlorobenzene	0.00012	0.00654	0.00012	0.85		U
1,3-Dichloropropane	0.00010	0.00272	0.00010	0.85		U
1,4-Dichlorobenzene	0.00007	0.00272	0.00007	0.85		U
1-Chlorohexane	0.00017	0.00545	0.00017	0.85		U
2,2-Dichloropropane	0.00014	0.00545	0.00014	0.85		U
2-Butanone	0.00046	0.0218	0.00673	0.85		F
2-Chlorotoluene	0.00004	0.00545	0.00004	0.85		U
4-Chlorotoluene	0.00008	0.00545	0.00008	0.85		U
4-Methyl-2-pentanone	0.00035	0.0218	0.00035	0.85		U
Acetone	0.00033	0.0545	0.0300	0.85		F
Benzene	0.00005	0.00272	0.00005	0.85		U
Bromobenzene	0.00016	0.00545	0.00016	0.85		U
Bromochloromethane	0.00022	0.00545	0.00022	0.85		U
Bromodichloromethane	0.00007	0.00272	0.00007	0.85		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00019	0.00654	0.00019	0.85		U
Bromomethane	0.00014	0.0109	0.00014	0.85		U
Carbon tetrachloride	0.00013	0.00545	0.00013	0.85		U
Chlorobenzene	0.00008	0.00272	0.000588	0.85		F
Chloroethane	0.00027	0.00545	0.00027	0.85		U
Chloroform	0.00008	0.00272	0.00008	0.85		U
Chloromethane	0.00034	0.00545	0.00034	0.85		U
cis-1,2-Dichloroethene	0.00017	0.00545	0.00017	0.85		U
cis-1,3-Dichloropropene	0.00010	0.00327	0.00010	0.85		U
Dibromochloromethane	0.00008	0.00327	0.00008	0.85		U
Dibromomethane	0.00013	0.00545	0.00013	0.85		U
Dichlorodifluoromethane	0.00009	0.00545	0.00009	0.85		U
Ethylbenzene	0.00014	0.00545	0.00014	0.85		U
Hexachlorobutadiene	0.00041	0.00327	0.00041	0.85		U
Isopropylbenzene	0.00005	0.00545	0.00005	0.85		U
Methyl tert-butyl ether	0.00014	0.0218	0.00014	0.85		U
Methylene chloride	0.00065	0.00545	0.00065	0.85		U
n-Butylbenzene	0.00014	0.00545	0.00014	0.85		U
n-Propylbenzene	0.00003	0.00545	0.00003	0.85		U
Naphthalene	0.00023	0.00545	0.00023	0.85		U
o-Xylene	0.00019	0.00545	0.00019	0.85		U
p-Isopropyltoluene	0.00019	0.00654	0.00019	0.85		U
sec-Butylbenzene	0.00005	0.00545	0.00005	0.85		U
Styrene	0.00013	0.00545	0.00013	0.85		U
tert-Butylbenzene	0.00009	0.00545	0.00009	0.85		U
Tetrachloroethene	0.00012	0.00545	0.00012	0.85		U
Toluene	0.00005	0.00545	0.00005	0.85		U
trans-1,2-Dichloroethene	0.00013	0.00545	0.00013	0.85		U
trans-1,3-Dichloropropene	0.00016	0.00545	0.00016	0.85		U
Trichloroethene	0.00013	0.00545	0.00013	0.85		U
Trichlorofluoromethane	0.00009	0.00545	0.00009	0.85		U
Vinyl chloride	0.00014	0.00545	0.00014	0.85		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006C	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1107	**File ID:**	J4998.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.86 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00033	0.00545	0.00033	0.85		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	94	84 - 118	
Dibromofluoromethane	93	65 - 135	
Toluene-d8	110	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	608720	349446 - 1397786	
Chlorobenzene-d5	743730	392286 - 1569146	
Fluorobenzene	1825482	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00016	0.00608	0.000729	0.87		F
1,1,1,2-Tetrachloroethane	0.00019	0.00365	0.00019	0.87		U
1,1,1-Trichloroethane	0.00017	0.00608	0.00017	0.87		U
1,1,2,2-Tetrachloroethane	0.00017	0.00365	0.00017	0.87		U
1,1,2-Trichloroethane	0.00030	0.00608	0.00030	0.87		U
1,1-Dichloroethane	0.00010	0.00608	0.00010	0.87		U
1,1-Dichloroethene	0.00018	0.00729	0.00018	0.87		UQ
1,1-Dichloropropene	0.00023	0.00608	0.00023	0.87		U
1,2,3-Trichlorobenzene	0.00050	0.00608	0.00050	0.87		U
1,2,3-Trichloropropane	0.00028	0.00608	0.00028	0.87		U
1,2,4-Trichlorobenzene	0.00040	0.00608	0.00040	0.87		U
1,2,4-Trimethylbenzene	0.00007	0.00729	0.00210	0.87		F
1,2-Dibromo-3-chloropropane	0.00038	0.0122	0.00038	0.87		U
1,2-Dibromoethane	0.00010	0.00608	0.00010	0.87		U
1,2-Dichlorobenzene	0.00007	0.00608	0.00281	0.87		F
1,2-Dichloroethane	0.00013	0.00365	0.00013	0.87		U
1,2-Dichloropropane	0.00027	0.00608	0.00027	0.87		U
1,3,5-Trimethylbenzene	0.00010	0.00608	0.000741	0.87		F
1,3-Dichlorobenzene	0.00013	0.00729	0.00013	0.87		U
1,3-Dichloropropane	0.00011	0.00304	0.00011	0.87		U
1,4-Dichlorobenzene	0.00007	0.00304	0.00153	0.87		F
1-Chlorohexane	0.00019	0.00608	0.00019	0.87		U
2,2-Dichloropropane	0.00016	0.00608	0.00016	0.87		U
2-Butanone	0.00051	0.0243	0.00871	0.87		F
2-Chlorotoluene	0.00005	0.00608	0.00005	0.87		U
4-Chlorotoluene	0.00009	0.00608	0.00009	0.87		U
4-Methyl-2-pentanone	0.00039	0.0243	0.00039	0.87		U
Acetone	0.00036	0.0608	0.0395	0.87		F
Benzene	0.00006	0.00304	0.00006	0.87		U
Bromobenzene	0.00018	0.00608	0.00018	0.87		U
Bromochloromethane	0.00024	0.00608	0.00024	0.87		U
Bromodichloromethane	0.00007	0.00304	0.00007	0.87		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00021	0.00729	0.00021	0.87		U
Bromomethane	0.00016	0.0122	0.00016	0.87		U
Carbon tetrachloride	0.00015	0.00608	0.00015	0.87		U
Chlorobenzene	0.00009	0.00304	0.00783	0.87		
Chloroethane	0.00030	0.00608	0.00030	0.87		U
Chloroform	0.00009	0.00304	0.00009	0.87		U
Chloromethane	0.00038	0.00608	0.00038	0.87		U
cis-1,2-Dichloroethene	0.00019	0.00608	0.00019	0.87		U
cis-1,3-Dichloropropene	0.00011	0.00365	0.00011	0.87		U
Dibromochloromethane	0.00009	0.00365	0.00009	0.87		U
Dibromomethane	0.00015	0.00608	0.00015	0.87		U
Dichlorodifluoromethane	0.00010	0.00608	0.00010	0.87		U
Ethylbenzene	0.00016	0.00608	0.00016	0.87		U
Hexachlorobutadiene	0.00046	0.00365	0.00046	0.87		U
Isopropylbenzene	0.00006	0.00608	0.00006	0.87		U
Methyl tert-butyl ether	0.00016	0.0243	0.00016	0.87		U
Methylene chloride	0.00073	0.00608	0.00073	0.87		U
n-Butylbenzene	0.00016	0.00608	0.00016	0.87		U
n-Propylbenzene	0.00004	0.00608	0.00004	0.87		U
Naphthalene	0.00026	0.00608	0.00026	0.87		U
o-Xylene	0.00021	0.00608	0.00021	0.87		U
p-Isopropyltoluene	0.00021	0.00729	0.00021	0.87		U
sec-Butylbenzene	0.00006	0.00608	0.00006	0.87		U
Styrene	0.00015	0.00608	0.00015	0.87		U
tert-Butylbenzene	0.00010	0.00608	0.00010	0.87		U
Tetrachloroethene	0.00013	0.00608	0.00013	0.87		U
Toluene	0.00006	0.00608	0.00006	0.87		U
trans-1,2-Dichloroethene	0.00015	0.00608	0.00015	0.87		U
trans-1,3-Dichloropropene	0.00018	0.00608	0.00018	0.87		U
Trichloroethene	0.00015	0.00608	0.00015	0.87		U
Trichlorofluoromethane	0.00010	0.00608	0.00010	0.87		U
Vinyl chloride	0.00016	0.00608	0.00016	0.87		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007C	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1107	**File ID:**	J4999.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00036	0.00608	0.000729	0.87		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	94	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	102	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	572430	349446 - 1397786	
Chlorobenzene-d5	734965	392286 - 1569146	
Fluorobenzene	2046757	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.00019	0.00736	0.00019	0.87		U
1,1,1,2-Tetrachloroethane	0.00024	0.00442	0.00024	0.87		U
1,1,1-Trichloroethane	0.00021	0.00736	0.00021	0.87		U
1,1,2,2-Tetrachloroethane	0.00021	0.00442	0.00021	0.87		U
1,1,2-Trichloroethane	0.00037	0.00736	0.00037	0.87		U
1,1-Dichloroethane	0.00012	0.00736	0.00012	0.87		U
1,1-Dichloroethene	0.00022	0.00883	0.00022	0.87		UQ
1,1-Dichloropropene	0.00028	0.00736	0.00028	0.87		U
1,2,3-Trichlorobenzene	0.00060	0.00736	0.00060	0.87		U
1,2,3-Trichloropropane	0.00034	0.00736	0.00034	0.87		U
1,2,4-Trichlorobenzene	0.00049	0.00736	0.00049	0.87		U
1,2,4-Trimethylbenzene	0.00009	0.00883	0.00159	0.87		F
1,2-Dibromo-3-chloropropane	0.00046	0.0147	0.00046	0.87		U
1,2-Dibromoethane	0.00012	0.00736	0.00012	0.87		U
1,2-Dichlorobenzene	0.00009	0.00736	0.00009	0.87		U
1,2-Dichloroethane	0.00016	0.00442	0.00016	0.87		U
1,2-Dichloropropane	0.00032	0.00736	0.00032	0.87		U
1,3,5-Trimethylbenzene	0.00012	0.00736	0.00012	0.87		U
1,3-Dichlorobenzene	0.00016	0.00883	0.00016	0.87		U
1,3-Dichloropropane	0.00013	0.00368	0.00013	0.87		U
1,4-Dichlorobenzene	0.00009	0.00368	0.00009	0.87		U
1-Chlorohexane	0.00024	0.00736	0.00024	0.87		U
2,2-Dichloropropane	0.00019	0.00736	0.00019	0.87		U
2-Butanone	0.00062	0.0294	0.00342	0.87		F
2-Chlorotoluene	0.00006	0.00736	0.00006	0.87		U
4-Chlorotoluene	0.00010	0.00736	0.00010	0.87		U
4-Methyl-2-pentanone	0.00047	0.0294	0.00047	0.87		U
Acetone	0.00044	0.0736	0.0175	0.87		F
Benzene	0.00007	0.00368	0.00007	0.87		U
Bromobenzene	0.00022	0.00736	0.00022	0.87		U
Bromochloromethane	0.00029	0.00736	0.00029	0.87		U
Bromodichloromethane	0.00009	0.00368	0.00009	0.87		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.00025	0.00883	0.00025	0.87		U
Bromomethane	0.00019	0.0147	0.00019	0.87		U
Carbon tetrachloride	0.00018	0.00736	0.00018	0.87		U
Chlorobenzene	0.00010	0.00368	0.00010	0.87		U
Chloroethane	0.00037	0.00736	0.00037	0.87		U
Chloroform	0.00010	0.00368	0.00010	0.87		U
Chloromethane	0.00046	0.00736	0.00046	0.87		U
cis-1,2-Dichloroethene	0.00024	0.00736	0.00024	0.87		U
cis-1,3-Dichloropropene	0.00013	0.00442	0.00013	0.87		U
Dibromochloromethane	0.00010	0.00442	0.00010	0.87		U
Dibromomethane	0.00018	0.00736	0.00018	0.87		U
Dichlorodifluoromethane	0.00012	0.00736	0.00012	0.87		U
Ethylbenzene	0.00019	0.00736	0.00019	0.87		U
Hexachlorobutadiene	0.00056	0.00442	0.00056	0.87		U
Isopropylbenzene	0.00007	0.00736	0.00007	0.87		U
Methyl tert-butyl ether	0.00019	0.0294	0.00019	0.87		U
Methylene chloride	0.00088	0.00736	0.00088	0.87		U
n-Butylbenzene	0.00019	0.00736	0.00019	0.87		U
n-Propylbenzene	0.00004	0.00736	0.00004	0.87		U
Naphthalene	0.00031	0.00736	0.00031	0.87		U
o-Xylene	0.00025	0.00736	0.00025	0.87		U
p-Isopropyltoluene	0.00025	0.00883	0.00025	0.87		U
sec-Butylbenzene	0.00007	0.00736	0.00007	0.87		U
Styrene	0.00018	0.00736	0.00018	0.87		U
tert-Butylbenzene	0.00012	0.00736	0.00012	0.87		U
Tetrachloroethene	0.00016	0.00736	0.00016	0.87		U
Toluene	0.00007	0.00736	0.00007	0.87		U
trans-1,2-Dichloroethene	0.00018	0.00736	0.00018	0.87		U
trans-1,3-Dichloropropene	0.00022	0.00736	0.00022	0.87		U
Trichloroethene	0.00018	0.00736	0.00018	0.87		U
Trichlorofluoromethane	0.00012	0.00736	0.00012	0.87		U
Vinyl chloride	0.00019	0.00736	0.00019	0.87		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008C	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1107	**File ID:**	J5000.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	27-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	5.74 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.00044	0.00736	0.00044	0.87		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	89	52 - 149	
4-Bromofluorobenzene	84	84 - 118	
Dibromofluoromethane	95	65 - 135	
Toluene-d8	99	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	460167	349446 - 1397786	
Chlorobenzene-d5	687968	392286 - 1569146	
Fluorobenzene	2051506	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0601BB DL	0710130-006BDL
TMCSD0701BB	0710130-007B
TMCSD0701BB DL	0710130-007BDL
TMCSD0801BB	0710130-008B
TMCSD0801BB DL	0710130-008BDL

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N8449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0025	0.84	0.0025	1		U
1,2-Dichlorobenzene	0.0034	0.84	0.0034	1		U
1,3-Dichlorobenzene	0.0042	0.84	0.0042	1		U
1,4-Dichlorobenzene	0.0058	0.84	0.0058	1		U
2,4,5-Trichlorophenol	0.025	4.0	0.025	1		U
2,4,6-Trichlorophenol	0.0068	0.36	0.0068	1		U
2,4-Dichlorophenol	0.0046	0.36	0.0046	1		U
2,4-Dimethylphenol	0.0098	0.36	0.0098	1		U
2,4-Dinitrophenol	0.40	4.0	0.40	1		U
2,4-Dinitrotoluene	0.0058	0.84	0.0058	1		U
2,6-Dinitrotoluene	0.0067	0.84	0.0067	1		U
2-Chloronaphthalene	0.0044	0.84	0.0044	1		U
2-Chlorophenol	0.0061	0.36	0.0061	1		U
2-Methylnaphthalene	0.0019	0.84	0.0019	1		U
2-Methylphenol	0.0044	0.36	0.0044	1		U
2-Nitroaniline	0.0071	4.0	0.0071	1		U
2-Nitrophenol	0.016	0.36	0.016	1		U
3,3'-Dichlorobenzidine	0.048	1.6	0.048	1		U
3-Nitroaniline	0.048	4.0	0.048	1		U
4,6-Dinitro-2-methylphenol	0.20	4.0	0.20	1		U
4-Bromophenyl phenyl ether	0.0062	0.84	0.0062	1		U
4-Chloro-3-methylphenol	0.012	1.6	0.012	1		U
4-Chloroaniline	0.048	1.6	0.048	1		U
4-Chlorophenyl phenyl ether	0.0049	0.84	0.0049	1		U
4-Methylphenol	0.0034	2.4	0.0034	1		U
4-Nitroaniline	0.048	4.0	0.048	1		U
4-Nitrophenol	0.080	1.9	0.080	1		U
Acenaphthene	0.0040	0.84	0.0040	1		U
Acenaphthylene	0.0048	0.84	0.0048	1		U
Anthracene	0.0028	0.84	0.0028	1		U
Benzo[a]anthracene	0.0041	0.84	0.0041	1		U
Benzo[a]pyrene	0.012	0.84	0.012	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N8449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.014	0.84	0.014	1		U
Benzo[g,h,i]perylene	0.016	0.84	0.016	1		U
Benzo[k]fluoranthene	0.013	0.84	0.013	1		U
Benzoic acid	0.45	6.0	0.45	1		U
Benzyl alcohol	0.0064	1.6	0.0064	1		U
bis(2-Chloroethoxy)methane	0.0037	0.84	0.0037	1		U
bis(2-chloroethyl)ether	0.0061	0.84	0.0061	1		U
bis(2-chloroisopropyl)ether	0.0068	0.84	0.0068	1		U
bis(2-Ethylhexyl)phthalate	0.018	0.84	0.029	1		F
Butyl benzyl phthalate	0.016	0.84	0.016	1		U
Chrysene	0.0034	0.84	0.0034	1		U
Di-n-butyl phthalate	0.10	0.84	0.10	1		U
Di-n-octyl phthalate	0.0023	0.84	0.0023	1		U
Dibenz[a,h]anthracene	0.016	0.84	0.016	1		U
Dibenzofuran	0.0055	0.84	0.0055	1		U
Diethyl phthalate	0.0042	0.84	0.041	1		F
Dimethyl phthalate	0.0041	0.84	0.0041	1		U
Fluoranthene	0.012	0.84	0.012	1		U
Fluorene	0.0041	0.84	0.0041	1		U
Hexachlorobenzene	0.0065	0.84	0.0065	1		U
Hexachlorobutadiene	0.0036	0.84	0.0036	1		U
Hexachloroethane	0.048	0.84	0.048	1		U
Indeno[1,2,3-cd]pyrene	0.016	0.84	0.016	1		U
Isophorone	0.0033	0.84	0.0033	1		U
N-Nitroso-di-n-propylamine	0.016	0.84	0.016	1		U
N-Nitrosodiphenylamine	0.0027	0.84	0.0027	1		U
Naphthalene	0.0030	0.84	0.0030	1		U
Nitrobenzene	0.0043	0.84	0.0043	1		U
Pentachlorophenol	0.40	4.0	0.40	1		U
Phenanthrene	0.0017	0.84	0.0017	1		U
Phenol	0.0037	0.36	0.0037	1		U
Pyrene	0.0027	0.84	0.0027	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1101	**File ID:**	N8449.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	81	36 - 126	
2-Fluorobiphenyl	88	43 - 120	
2-Fluorophenol	83	37 - 120	
Nitrobenzene-d5	88	37 - 120	
Phenol-d5	85	40 - 120	
Terphenyl-d14	84	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264602	114755 - 459020	
Acenaphthene-d10	495467	212442 - 849766	
Chrysene-d12	741200	329718 - 1318872	
Naphthalene-d8	899083	373748 - 1494990	
Perylene-d12	698380	339818 - 1359272	
Phenanthrene-d10	793322	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.91	0.0027	1		U
1,2-Dichlorobenzene	0.0037	0.91	0.0037	1		U
1,3-Dichlorobenzene	0.0046	0.91	0.0046	1		U
1,4-Dichlorobenzene	0.0064	0.91	0.0064	1		U
2,4,5-Trichlorophenol	0.027	4.3	0.027	1		U
2,4,6-Trichlorophenol	0.0074	0.39	0.0074	1		U
2,4-Dichlorophenol	0.0050	0.39	0.0050	1		U
2,4-Dimethylphenol	0.011	0.39	0.011	1		U
2,4-Dinitrophenol	0.43	4.3	0.43	1		U
2,4-Dinitrotoluene	0.0063	0.91	0.0063	1		U
2,6-Dinitrotoluene	0.0073	0.91	0.0073	1		U
2-Chloronaphthalene	0.0048	0.91	0.0048	1		U
2-Chlorophenol	0.0067	0.39	0.0067	1		U
2-Methylnaphthalene	0.0021	0.91	0.0021	1		U
2-Methylphenol	0.0048	0.39	0.0048	1		U
2-Nitroaniline	0.0077	4.3	0.0077	1		U
2-Nitrophenol	0.017	0.39	0.017	1		U
3,3´-Dichlorobenzidine	0.052	1.7	0.052	1		U
3-Nitroaniline	0.052	4.3	0.052	1		U
4,6-Dinitro-2-methylphenol	0.22	4.3	0.22	1		U
4-Bromophenyl phenyl ether	0.0068	0.91	0.0068	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.052	1.7	0.052	1		U
4-Chlorophenyl phenyl ether	0.0053	0.91	0.0053	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.052	4.3	0.052	1		U
4-Nitrophenol	0.087	2.1	0.087	1		U
Acenaphthene	0.0043	0.91	0.0043	1		U
Acenaphthylene	0.0052	0.91	0.0052	1		U
Anthracene	0.0030	0.91	0.0030	1		U
Benzo[a]anthracene	0.0045	0.91	0.0045	1		U
Benzo[a]pyrene	0.013	0.91	0.013	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.015	0.91	0.015	1		U
Benzo[g,h,i]perylene	0.017	0.91	0.017	1		U
Benzo[k]fluoranthene	0.015	0.91	0.015	1		U
Benzoic acid	0.49	6.5	0.49	1		U
Benzyl alcohol	0.0070	1.7	0.0070	1		U
bis(2-Chloroethoxy)methane	0.0040	0.91	0.0040	1		U
bis(2-chloroethyl)ether	0.0067	0.91	0.0067	1		U
bis(2-chloroisopropyl)ether	0.0074	0.91	0.0074	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.91	0.047	1		F
Butyl benzyl phthalate	0.017	0.91	0.017	1		U
Chrysene	0.0037	0.91	0.0037	1		U
Di-n-butyl phthalate	0.11	0.91	0.11	1		U
Di-n-octyl phthalate	0.0025	0.91	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.91	0.017	1		U
Dibenzofuran	0.0060	0.91	0.0060	1		U
Diethyl phthalate	0.0046	0.91	0.040	1		F
Dimethyl phthalate	0.0045	0.91	0.0045	1		U
Fluoranthene	0.013	0.91	0.013	1		U
Fluorene	0.0045	0.91	0.0045	1		U
Hexachlorobenzene	0.0070	0.91	0.0070	1		U
Hexachlorobutadiene	0.0039	0.91	0.0039	1		U
Hexachloroethane	0.052	0.91	0.052	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.91	0.017	1		U
Isophorone	0.0036	0.91	0.0036	1		U
N-Nitroso-di-n-propylamine	0.017	0.91	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.91	0.0029	1		U
Naphthalene	0.0033	0.91	0.0033	1		U
Nitrobenzene	0.0046	0.91	0.0046	1		U
Pentachlorophenol	0.43	4.3	0.43	1		U
Phenanthrene	0.0019	0.91	0.0019	1		U
Phenol	0.0040	0.39	0.0040	1		U
Pyrene	0.0029	0.91	0.0029	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8450.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	75	36 - 126	
2-Fluorobiphenyl	74	43 - 120	
2-Fluorophenol	67	37 - 120	
Nitrobenzene-d5	73	37 - 120	
Phenol-d5	70	40 - 120	
Terphenyl-d14	77	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262418	114755 - 459020	
Acenaphthene-d10	481885	212442 - 849766	
Chrysene-d12	686533	329718 - 1318872	
Naphthalene-d8	879137	373748 - 1494990	
Perylene-d12	611377	339818 - 1359272	
Phenanthrene-d10	772024	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.91	0.0027	1		U
1,2-Dichlorobenzene	0.0037	0.91	0.0037	1		U
1,3-Dichlorobenzene	0.0046	0.91	0.0046	1		U
1,4-Dichlorobenzene	0.0064	0.91	0.0064	1		U
2,4,5-Trichlorophenol	0.027	4.3	0.027	1		U
2,4,6-Trichlorophenol	0.0074	0.39	0.0074	1		U
2,4-Dichlorophenol	0.0050	0.39	0.0050	1		U
2,4-Dimethylphenol	0.011	0.39	0.011	1		U
2,4-Dinitrophenol	0.43	4.3	0.43	1		U
2,4-Dinitrotoluene	0.0063	0.91	0.0063	1		U
2,6-Dinitrotoluene	0.0073	0.91	0.0073	1		U
2-Chloronaphthalene	0.0048	0.91	0.0048	1		U
2-Chlorophenol	0.0067	0.39	0.0067	1		U
2-Methylnaphthalene	0.0021	0.91	0.0021	1		U
2-Methylphenol	0.0048	0.39	0.0048	1		U
2-Nitroaniline	0.0077	4.3	0.0077	1		U
2-Nitrophenol	0.017	0.39	0.017	1		U
3,3'-Dichlorobenzidine	0.052	1.7	0.052	1		U
3-Nitroaniline	0.052	4.3	0.052	1		U
4,6-Dinitro-2-methylphenol	0.22	4.3	0.22	1		U
4-Bromophenyl phenyl ether	0.0068	0.91	0.0068	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.052	1.7	0.052	1		U
4-Chlorophenyl phenyl ether	0.0053	0.91	0.0053	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.052	4.3	0.052	1		U
4-Nitrophenol	0.087	2.1	0.087	1		U
Acenaphthene	0.0043	0.91	0.0043	1		U
Acenaphthylene	0.0052	0.91	0.0052	1		U
Anthracene	0.0030	0.91	0.0030	1		U
Benzo[a]anthracene	0.0045	0.91	0.051	1		F
Benzo[a]pyrene	0.013	0.91	0.053	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.015	0.91	0.079	1		F
Benzo[g,h,i]perylene	0.017	0.91	0.023	1		F
Benzo[k]fluoranthene	0.015	0.91	0.031	1		F
Benzoic acid	0.49	6.5	0.49	1		U
Benzyl alcohol	0.0070	1.7	0.0070	1		U
bis(2-Chloroethoxy)methane	0.0040	0.91	0.0040	1		U
bis(2-chloroethyl)ether	0.0067	0.91	0.0067	1		U
bis(2-chloroisopropyl)ether	0.0074	0.91	0.0074	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.91	0.077	1		F
Butyl benzyl phthalate	0.017	0.91	0.017	1		U
Chrysene	0.0037	0.91	0.060	1		F
Di-n-butyl phthalate	0.11	0.91	0.11	1		U
Di-n-octyl phthalate	0.0025	0.91	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.91	0.017	1		U
Dibenzofuran	0.0060	0.91	0.0060	1		U
Diethyl phthalate	0.0046	0.91	0.047	1		F
Dimethyl phthalate	0.0045	0.91	0.0045	1		U
Fluoranthene	0.013	0.91	0.11	1		F
Fluorene	0.0045	0.91	0.0045	1		U
Hexachlorobenzene	0.0070	0.91	0.0070	1		U
Hexachlorobutadiene	0.0039	0.91	0.0039	1		U
Hexachloroethane	0.052	0.91	0.052	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.91	0.017	1		U
Isophorone	0.0036	0.91	0.0036	1		U
N-Nitroso-di-n-propylamine	0.017	0.91	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.91	0.0029	1		U
Naphthalene	0.0033	0.91	0.0033	1		U
Nitrobenzene	0.0046	0.91	0.0046	1		U
Pentachlorophenol	0.43	4.3	0.43	1		U
Phenanthrene	0.0019	0.91	0.059	1		F
Phenol	0.0040	0.39	0.0040	1		U
Pyrene	0.0029	0.91	0.099	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1101	**File ID:**	N8451.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	85	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	75	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	79	40 - 120	
Terphenyl-d14	91	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	253900	114755 - 459020	
Acenaphthene-d10	477775	212442 - 849766	
Chrysene-d12	654233	329718 - 1318872	
Naphthalene-d8	861522	373748 - 1494990	
Perylene-d12	521846	339818 - 1359272	
Phenanthrene-d10	761476	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0026	0.88	0.0026	1		U
1,2-Dichlorobenzene	0.0036	0.88	0.0036	1		U
1,3-Dichlorobenzene	0.0044	0.88	0.0044	1		U
1,4-Dichlorobenzene	0.0061	0.88	0.0061	1		U
2,4,5-Trichlorophenol	0.026	4.2	0.026	1		U
2,4,6-Trichlorophenol	0.0071	0.38	0.0071	1		U
2,4-Dichlorophenol	0.0048	0.38	0.0048	1		U
2,4-Dimethylphenol	0.010	0.38	0.010	1		U
2,4-Dinitrophenol	0.42	4.2	0.42	1		U
2,4-Dinitrotoluene	0.0061	0.88	0.0061	1		U
2,6-Dinitrotoluene	0.0071	0.88	0.0071	1		U
2-Chloronaphthalene	0.0046	0.88	0.0046	1		U
2-Chlorophenol	0.0064	0.38	0.0064	1		U
2-Methylnaphthalene	0.0020	0.88	0.0020	1		U
2-Methylphenol	0.0047	0.38	0.0047	1		U
2-Nitroaniline	0.0074	4.2	0.0074	1		U
2-Nitrophenol	0.017	0.38	0.017	1		U
3,3'-Dichlorobenzidine	0.050	1.6	0.050	1		U
3-Nitroaniline	0.050	4.2	0.050	1		U
4,6-Dinitro-2-methylphenol	0.21	4.2	0.21	1		U
4-Bromophenyl phenyl ether	0.0065	0.88	0.0065	1		U
4-Chloro-3-methylphenol	0.013	1.6	0.013	1		U
4-Chloroaniline	0.050	1.6	0.050	1		U
4-Chlorophenyl phenyl ether	0.0051	0.88	0.0051	1		U
4-Methylphenol	0.0036	2.5	0.0036	1		U
4-Nitroaniline	0.050	4.2	0.050	1		U
4-Nitrophenol	0.084	2.0	0.084	1		U
Acenaphthene	0.0042	0.88	0.0042	1		U
Acenaphthylene	0.0050	0.88	0.0050	1		U
Anthracene	0.0029	0.88	0.0029	1		U
Benzo[a]anthracene	0.0044	0.88	0.027	1		F
Benzo[a]pyrene	0.013	0.88	0.027	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.014	0.88	0.039	1		F
Benzo[g,h,i]perylene	0.017	0.88	0.017	1		U
Benzo[k]fluoranthene	0.014	0.88	0.014	1		U
Benzoic acid	0.47	6.3	0.47	1		U
Benzyl alcohol	0.0067	1.6	0.0067	1		U
bis(2-Chloroethoxy)methane	0.0039	0.88	0.0039	1		U
bis(2-chloroethyl)ether	0.0064	0.88	0.0064	1		U
bis(2-chloroisopropyl)ether	0.0072	0.88	0.0072	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.88	0.060	1		F
Butyl benzyl phthalate	0.017	0.88	0.017	1		U
Chrysene	0.0035	0.88	0.032	1		F
Di-n-butyl phthalate	0.11	0.88	0.11	1		U
Di-n-octyl phthalate	0.0025	0.88	0.0025	1		U
Dibenz[a,h]anthracene	0.017	0.88	0.017	1		U
Dibenzofuran	0.0058	0.88	0.0058	1		U
Diethyl phthalate	0.0044	0.88	0.044	1		F
Dimethyl phthalate	0.0043	0.88	0.0043	1		U
Fluoranthene	0.013	0.88	0.058	1		F
Fluorene	0.0043	0.88	0.0043	1		U
Hexachlorobenzene	0.0068	0.88	0.0068	1		U
Hexachlorobutadiene	0.0038	0.88	0.0038	1		U
Hexachloroethane	0.050	0.88	0.050	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.88	0.017	1		U
Isophorone	0.0035	0.88	0.0035	1		U
N-Nitroso-di-n-propylamine	0.017	0.88	0.017	1		U
N-Nitrosodiphenylamine	0.0028	0.88	0.0028	1		U
Naphthalene	0.0032	0.88	0.0032	1		U
Nitrobenzene	0.0045	0.88	0.0045	1		U
Pentachlorophenol	0.42	4.2	0.42	1		U
Phenanthrene	0.0018	0.88	0.035	1		F
Phenol	0.0039	0.38	0.0039	1		U
Pyrene	0.0028	0.88	0.052	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1101	**File ID:**	N8452.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	81	36 - 126	
2-Fluorobiphenyl	84	43 - 120	
2-Fluorophenol	76	37 - 120	
Nitrobenzene-d5	84	37 - 120	
Phenol-d5	79	40 - 120	
Terphenyl-d14	86	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	259206	114755 - 459020	
Acenaphthene-d10	480488	212442 - 849766	
Chrysene-d12	676006	329718 - 1318872	
Naphthalene-d8	867123	373748 - 1494990	
Perylene-d12	525863	339818 - 1359272	
Phenanthrene-d10	764742	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0030	1.0	0.0030	1		U
1,2-Dichlorobenzene	0.0041	1.0	0.0041	1		U
1,3-Dichlorobenzene	0.0051	1.0	0.0051	1		U
1,4-Dichlorobenzene	0.0070	1.0	0.0070	1		U
2,4,5-Trichlorophenol	0.030	4.7	0.030	1		U
2,4,6-Trichlorophenol	0.0081	0.43	0.0081	1		U
2,4-Dichlorophenol	0.0055	0.43	0.0055	1		U
2,4-Dimethylphenol	0.012	0.43	0.012	1		U
2,4-Dinitrophenol	0.48	4.7	0.48	1		U
2,4-Dinitrotoluene	0.0069	1.0	0.0069	1		U
2,6-Dinitrotoluene	0.0081	1.0	0.0081	1		U
2-Chloronaphthalene	0.0053	1.0	0.0053	1		U
2-Chlorophenol	0.0074	0.43	0.0074	1		U
2-Methylnaphthalene	0.0023	1.0	0.0023	1		U
2-Methylphenol	0.0053	0.43	0.0053	1		U
2-Nitroaniline	0.0085	4.7	0.0085	1		U
2-Nitrophenol	0.019	0.43	0.019	1		U
3,3´-Dichlorobenzidine	0.058	1.9	0.058	1		U
3-Nitroaniline	0.058	4.7	0.058	1		U
4,6-Dinitro-2-methylphenol	0.24	4.7	0.24	1		U
4-Bromophenyl phenyl ether	0.0075	1.0	0.0075	1		U
4-Chloro-3-methylphenol	0.014	1.9	0.014	1		U
4-Chloroaniline	0.058	1.9	0.058	1		U
4-Chlorophenyl phenyl ether	0.0059	1.0	0.0059	1		U
4-Methylphenol	0.0041	2.9	0.0041	1		U
4-Nitroaniline	0.058	4.7	0.058	1		U
4-Nitrophenol	0.096	2.3	0.096	1		U
Acenaphthene	0.0048	1.0	0.0048	1		U
Acenaphthylene	0.0058	1.0	0.0058	1		U
Anthracene	0.0034	1.0	0.030	1		F
Benzo[a]anthracene	0.0050	1.0	0.12	1		F
Benzo[a]pyrene	0.014	1.0	0.12	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.017	1.0	0.19	1		F
Benzo[g,h,i]perylene	0.019	1.0	0.044	1		F
Benzo[k]fluoranthene	0.016	1.0	0.082	1		F
Benzoic acid	0.54	7.2	0.54	1		U
Benzyl alcohol	0.0077	1.9	0.0077	1		U
bis(2-Chloroethoxy)methane	0.0044	1.0	0.0044	1		U
bis(2-chloroethyl)ether	0.0074	1.0	0.0074	1		U
bis(2-chloroisopropyl)ether	0.0082	1.0	0.0082	1		U
bis(2-Ethylhexyl)phthalate	0.021	1.0	0.063	1		F
Butyl benzyl phthalate	0.019	1.0	0.019	1		U
Chrysene	0.0040	1.0	0.14	1		F
Di-n-butyl phthalate	0.12	1.0	0.12	1		U
Di-n-octyl phthalate	0.0028	1.0	0.0028	1		U
Dibenz[a,h]anthracene	0.019	1.0	0.019	1		U
Dibenzofuran	0.0066	1.0	0.0066	1		U
Diethyl phthalate	0.0051	1.0	0.050	1		F
Dimethyl phthalate	0.0049	1.0	0.0049	1		U
Fluoranthene	0.014	1.0	0.24	1		F
Fluorene	0.0049	1.0	0.0049	1		U
Hexachlorobenzene	0.0078	1.0	0.0078	1		U
Hexachlorobutadiene	0.0043	1.0	0.0043	1		U
Hexachloroethane	0.058	1.0	0.058	1		U
Indeno[1,2,3-cd]pyrene	0.019	1.0	0.025	1		F
Isophorone	0.0040	1.0	0.0040	1		U
N-Nitroso-di-n-propylamine	0.019	1.0	0.019	1		U
N-Nitrosodiphenylamine	0.0032	1.0	0.0032	1		U
Naphthalene	0.0036	1.0	0.0036	1		U
Nitrobenzene	0.0051	1.0	0.0051	1		U
Pentachlorophenol	0.48	4.7	0.48	1		U
Phenanthrene	0.0021	1.0	0.14	1		F
Phenol	0.0044	0.43	0.0044	1		U
Pyrene	0.0032	1.0	0.24	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1101	**File ID:**	N8457.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	84	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	73	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	77	40 - 120	
Terphenyl-d14	94	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	248533	114755 - 459020	
Acenaphthene-d10	455959	212442 - 849766	
Chrysene-d12	588484	329718 - 1318872	
Naphthalene-d8	840475	373748 - 1494990	
Perylene-d12	353141	339818 - 1359272	
Phenanthrene-d10	726104	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0027	0.90	0.0027	1		U
1,2-Dichlorobenzene	0.0036	0.90	0.0036	1		U
1,3-Dichlorobenzene	0.0045	0.90	0.0045	1		U
1,4-Dichlorobenzene	0.0062	0.90	0.0062	1		U
2,4,5-Trichlorophenol	0.027	4.2	0.027	1		U
2,4,6-Trichlorophenol	0.0073	0.38	0.0073	1		U
2,4-Dichlorophenol	0.0049	0.38	0.0049	1		U
2,4-Dimethylphenol	0.011	0.38	0.011	1		U
2,4-Dinitrophenol	0.43	4.2	0.43	1		U
2,4-Dinitrotoluene	0.0062	0.90	0.0062	1		U
2,6-Dinitrotoluene	0.0072	0.90	0.0072	1		U
2-Chloronaphthalene	0.0047	0.90	0.0047	1		U
2-Chlorophenol	0.0066	0.38	0.0066	1		U
2-Methylnaphthalene	0.0021	0.90	0.0021	1		U
2-Methylphenol	0.0048	0.38	0.0048	1		U
2-Nitroaniline	0.0076	4.2	0.0076	1		U
2-Nitrophenol	0.017	0.38	0.017	1		U
3,3'-Dichlorobenzidine	0.051	1.7	0.051	1		U
3-Nitroaniline	0.051	4.2	0.051	1		U
4,6-Dinitro-2-methylphenol	0.21	4.2	0.21	1		U
4-Bromophenyl phenyl ether	0.0066	0.90	0.0066	1		U
4-Chloro-3-methylphenol	0.013	1.7	0.013	1		U
4-Chloroaniline	0.051	1.7	0.051	1		U
4-Chlorophenyl phenyl ether	0.0052	0.90	0.0052	1		U
4-Methylphenol	0.0037	2.6	0.0037	1		U
4-Nitroaniline	0.051	4.2	0.051	1		U
4-Nitrophenol	0.086	2.1	0.086	1		U
Acenaphthene	0.0042	0.90	0.0042	1		U
Acenaphthylene	0.0051	0.90	0.0051	1		U
Anthracene	0.0030	0.90	0.0030	1		U
Benzo[a]anthracene	0.0044	0.90	0.047	1		F
Benzo[a]pyrene	0.013	0.90	0.060	1		FQ

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.015	0.90	0.10	1		FQ
Benzo[g,h,i]perylene	0.017	0.90	0.032	1		FQ
Benzo[k]fluoranthene	0.014	0.90	0.051	1		FQ
Benzoic acid	0.48	6.4	0.48	1		U
Benzyl alcohol	0.0068	1.7	0.0068	1		U
bis(2-Chloroethoxy)methane	0.0039	0.90	0.0039	1		U
bis(2-chloroethyl)ether	0.0066	0.90	0.0066	1		U
bis(2-chloroisopropyl)ether	0.0073	0.90	0.0073	1		U
bis(2-Ethylhexyl)phthalate	0.019	0.90	0.39	1		F
Butyl benzyl phthalate	0.017	0.90	0.017	1		U
Chrysene	0.0036	0.90	0.079	1		F
Di-n-butyl phthalate	0.11	0.90	0.11	1		U
Di-n-octyl phthalate	0.0025	0.90	0.030	1		F
Dibenz[a,h]anthracene	0.017	0.90	0.017	1		UQ
Dibenzofuran	0.0059	0.90	0.0059	1		U
Diethyl phthalate	0.0045	0.90	0.047	1		F
Dimethyl phthalate	0.0044	0.90	0.0044	1		U
Fluoranthene	0.013	0.90	0.11	1		F
Fluorene	0.0044	0.90	0.0044	1		U
Hexachlorobenzene	0.0069	0.90	0.0069	1		U
Hexachlorobutadiene	0.0039	0.90	0.0039	1		U
Hexachloroethane	0.051	0.90	0.051	1		U
Indeno[1,2,3-cd]pyrene	0.017	0.90	0.017	1		U
Isophorone	0.0035	0.90	0.0035	1		U
N-Nitroso-di-n-propylamine	0.017	0.90	0.017	1		U
N-Nitrosodiphenylamine	0.0029	0.90	0.0029	1		U
Naphthalene	0.0032	0.90	0.0032	1		U
Nitrobenzene	0.0046	0.90	0.0046	1		U
Pentachlorophenol	0.43	4.2	0.43	1		U
Phenanthrene	0.0019	0.90	0.050	1		F
Phenol	0.0039	0.38	0.0039	1		U
Pyrene	0.0029	0.90	0.14	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8458.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	79	36 - 126	
2-Fluorobiphenyl	79	43 - 120	
2-Fluorophenol	62	37 - 120	
Nitrobenzene-d5	63	37 - 120	
Phenol-d5	71	40 - 120	
Terphenyl-d14	120	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	278342	114755 - 459020	
Acenaphthene-d10	510541	212442 - 849766	
Chrysene-d12	475843	329718 - 1318872	
Naphthalene-d8	954205	373748 - 1494990	
Perylene-d12	236829	339818 - 1359272	*
Phenanthrene-d10	796211	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB DL	**Lab Sample ID:**	0710130-006BDL	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8454.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.027	9.0	0.027	10		U
1,2-Dichlorobenzene	0.036	9.0	0.036	10		U
1,3-Dichlorobenzene	0.045	9.0	0.045	10		U
1,4-Dichlorobenzene	0.062	9.0	0.062	10		U
2,4,5-Trichlorophenol	0.27	42	0.27	10		U
2,4,6-Trichlorophenol	0.073	3.8	0.073	10		U
2,4-Dichlorophenol	0.049	3.8	0.049	10		U
2,4-Dimethylphenol	0.11	3.8	0.11	10		U
2,4-Dinitrophenol	4.3	42	4.3	10		U
2,4-Dinitrotoluene	0.062	9.0	0.062	10		U
2,6-Dinitrotoluene	0.072	9.0	0.072	10		U
2-Chloronaphthalene	0.047	9.0	0.047	10		U
2-Chlorophenol	0.066	3.8	0.066	10		U
2-Methylnaphthalene	0.021	9.0	0.021	10		U
2-Methylphenol	0.048	3.8	0.048	10		U
2-Nitroaniline	0.076	42	0.076	10		U
2-Nitrophenol	0.17	3.8	0.17	10		U
3,3'-Dichlorobenzidine	0.51	17	0.51	10		U
3-Nitroaniline	0.51	42	0.51	10		U
4,6-Dinitro-2-methylphenol	2.1	42	2.1	10		U
4-Bromophenyl phenyl ether	0.066	9.0	0.066	10		U
4-Chloro-3-methylphenol	0.13	17	0.13	10		U
4-Chloroaniline	0.51	17	0.51	10		U
4-Chlorophenyl phenyl ether	0.052	9.0	0.052	10		U
4-Methylphenol	0.037	26	0.037	10		U
4-Nitroaniline	0.51	42	0.51	10		U
4-Nitrophenol	0.86	21	0.86	10		U
Acenaphthene	0.042	9.0	0.042	10		U
Acenaphthylene	0.051	9.0	0.051	10		U
Anthracene	0.030	9.0	0.030	10		U
Benzo[a]anthracene	0.044	9.0	0.044	10		U
Benzo[a]pyrene	0.13	9.0	0.13	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB DL	**Lab Sample ID:**	0710130-006BDL	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8454.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.15	9.0	0.15	10		U
Benzo[g,h,i]perylene	0.17	9.0	0.17	10		U
Benzo[k]fluoranthene	0.14	9.0	0.14	10		U
Benzoic acid	4.8	64	4.8	10		U
Benzyl alcohol	0.068	17	0.068	10		U
bis(2-Chloroethoxy)methane	0.039	9.0	0.039	10		U
bis(2-chloroethyl)ether	0.066	9.0	0.066	10		U
bis(2-chloroisopropyl)ether	0.073	9.0	0.073	10		U
bis(2-Ethylhexyl)phthalate	0.19	9.0	0.35	10		F
Butyl benzyl phthalate	0.17	9.0	0.17	10		U
Chrysene	0.036	9.0	0.036	10		U
Di-n-butyl phthalate	1.1	9.0	1.1	10		U
Di-n-octyl phthalate	0.025	9.0	0.025	10		U
Dibenz[a,h]anthracene	0.17	9.0	0.17	10		U
Dibenzofuran	0.059	9.0	0.059	10		U
Diethyl phthalate	0.045	9.0	0.045	10		U
Dimethyl phthalate	0.044	9.0	0.044	10		U
Fluoranthene	0.13	9.0	0.13	10		U
Fluorene	0.044	9.0	0.044	10		U
Hexachlorobenzene	0.069	9.0	0.069	10		U
Hexachlorobutadiene	0.039	9.0	0.039	10		U
Hexachloroethane	0.51	9.0	0.51	10		U
Indeno[1,2,3-cd]pyrene	0.17	9.0	0.17	10		U
Isophorone	0.035	9.0	0.035	10		U
N-Nitroso-di-n-propylamine	0.17	9.0	0.17	10		U
N-Nitrosodiphenylamine	0.029	9.0	0.029	10		U
Naphthalene	0.032	9.0	0.032	10		U
Nitrobenzene	0.046	9.0	0.046	10		U
Pentachlorophenol	4.3	42	4.3	10		U
Phenanthrene	0.019	9.0	0.019	10		U
Phenol	0.039	3.8	0.039	10		U
Pyrene	0.029	9.0	0.029	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB DL	**Lab Sample ID:**	0710130-006BDL	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1101	**File ID:**	N8454.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	76	36 - 126	
2-Fluorobiphenyl	87	43 - 120	
2-Fluorophenol	70	37 - 120	
Nitrobenzene-d5	66	37 - 120	
Phenol-d5	79	40 - 120	
Terphenyl-d14	108	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	277439	114755 - 459020	
Acenaphthene-d10	518071	212442 - 849766	
Chrysene-d12	700037	329718 - 1318872	
Naphthalene-d8	931316	373748 - 1494990	
Perylene-d12	518526	339818 - 1359272	
Phenanthrene-d10	828354	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0029	0.98	0.048	1		F
1,2-Dichlorobenzene	0.0040	0.98	2.1	1		
1,3-Dichlorobenzene	0.0049	0.98	0.034	1		F
1,4-Dichlorobenzene	0.0068	0.98	0.27	1		F
2,4,5-Trichlorophenol	0.029	4.6	0.029	1		U
2,4,6-Trichlorophenol	0.0079	0.42	0.0079	1		U
2,4-Dichlorophenol	0.0053	0.42	0.0053	1		U
2,4-Dimethylphenol	0.011	0.42	0.011	1		U
2,4-Dinitrophenol	0.47	4.6	0.47	1		U
2,4-Dinitrotoluene	0.0067	0.98	0.0067	1		U
2,6-Dinitrotoluene	0.0078	0.98	0.0078	1		U
2-Chloronaphthalene	0.0051	0.98	0.0051	1		U
2-Chlorophenol	0.0072	0.42	0.0072	1		U
2-Methylnaphthalene	0.0022	0.98	0.089	1		F
2-Methylphenol	0.0052	0.42	0.0052	1		U
2-Nitroaniline	0.0082	4.6	0.0082	1		U
2-Nitrophenol	0.019	0.42	0.019	1		U
3,3´-Dichlorobenzidine	0.056	1.8	0.056	1		U
3-Nitroaniline	0.056	4.6	0.056	1		U
4,6-Dinitro-2-methylphenol	0.23	4.6	0.23	1		U
4-Bromophenyl phenyl ether	0.0072	0.98	0.0072	1		U
4-Chloro-3-methylphenol	0.014	1.8	0.014	1		U
4-Chloroaniline	0.056	1.8	0.056	1		U
4-Chlorophenyl phenyl ether	0.0057	0.98	0.0057	1		U
4-Methylphenol	0.0040	2.8	0.0040	1		U
4-Nitroaniline	0.056	4.6	0.056	1		U
4-Nitrophenol	0.093	2.2	0.093	1		U
Acenaphthene	0.0046	0.98	0.0046	1		U
Acenaphthylene	0.0056	0.98	0.0056	1		U
Anthracene	0.0033	0.98	0.037	1		F
Benzo[a]anthracene	0.0048	0.98	0.48	1		F
Benzo[a]pyrene	0.014	0.98	0.51	1		FQ

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.016	0.98	0.77	1		FQ
Benzo[g,h,i]perylene	0.019	0.98	0.21	1		FQ
Benzo[k]fluoranthene	0.016	0.98	0.37	1		FQ
Benzoic acid	0.52	7.0	0.52	1		U
Benzyl alcohol	0.0074	1.8	0.0074	1		U
bis(2-Chloroethoxy)methane	0.0043	0.98	0.0043	1		U
bis(2-chloroethyl)ether	0.0072	0.98	0.0072	1		U
bis(2-chloroisopropyl)ether	0.0080	0.98	0.0080	1		U
bis(2-Ethylhexyl)phthalate	0.021	0.98	0.26	1		F
Butyl benzyl phthalate	0.019	0.98	0.019	1		U
Chrysene	0.0039	0.98	0.45	1		F
Di-n-butyl phthalate	0.12	0.98	0.12	1		U
Di-n-octyl phthalate	0.0027	0.98	0.0027	1		U
Dibenz[a,h]anthracene	0.019	0.98	0.071	1		FQ
Dibenzofuran	0.0064	0.98	0.0064	1		U
Diethyl phthalate	0.0049	0.98	0.053	1		F
Dimethyl phthalate	0.0048	0.98	0.0048	1		U
Fluoranthene	0.014	0.98	0.46	1		F
Fluorene	0.0048	0.98	0.0048	1		U
Hexachlorobenzene	0.0075	0.98	0.0075	1		U
Hexachlorobutadiene	0.0042	0.98	0.0042	1		U
Hexachloroethane	0.056	0.98	0.056	1		U
Indeno[1,2,3-cd]pyrene	0.019	0.98	0.10	1		F
Isophorone	0.0039	0.98	0.0039	1		U
N-Nitroso-di-n-propylamine	0.019	0.98	0.019	1		U
N-Nitrosodiphenylamine	0.0031	0.98	0.0031	1		U
Naphthalene	0.0035	0.98	0.041	1		F
Nitrobenzene	0.0050	0.98	0.0050	1		U
Pentachlorophenol	0.47	4.6	0.47	1		U
Phenanthrene	0.0020	0.98	0.12	1		F
Phenol	0.0043	0.42	0.0043	1		U
Pyrene	0.0031	0.98	0.61	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8459.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	72	36 - 126	
2-Fluorobiphenyl	82	43 - 120	
2-Fluorophenol	76	37 - 120	
Nitrobenzene-d5	76	37 - 120	
Phenol-d5	80	40 - 120	
Terphenyl-d14	120	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	265791	114755 - 459020	
Acenaphthene-d10	485906	212442 - 849766	
Chrysene-d12	441817	329718 - 1318872	
Naphthalene-d8	905510	373748 - 1494990	
Perylene-d12	217260	339818 - 1359272	*
Phenanthrene-d10	750680	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB DL	**Lab Sample ID:**	0710130-007BDL	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8455.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.029	9.8	0.029	10		U
1,2-Dichlorobenzene	0.040	9.8	2.2	10		F
1,3-Dichlorobenzene	0.049	9.8	0.049	10		U
1,4-Dichlorobenzene	0.068	9.8	0.26	10		F
2,4,5-Trichlorophenol	0.29	46	0.29	10		U
2,4,6-Trichlorophenol	0.079	4.2	0.079	10		U
2,4-Dichlorophenol	0.053	4.2	0.053	10		U
2,4-Dimethylphenol	0.11	4.2	0.11	10		U
2,4-Dinitrophenol	4.7	46	4.7	10		U
2,4-Dinitrotoluene	0.067	9.8	0.067	10		U
2,6-Dinitrotoluene	0.078	9.8	0.078	10		U
2-Chloronaphthalene	0.051	9.8	0.051	10		U
2-Chlorophenol	0.072	4.2	0.072	10		U
2-Methylnaphthalene	0.022	9.8	0.022	10		U
2-Methylphenol	0.052	4.2	0.052	10		U
2-Nitroaniline	0.082	46	0.082	10		U
2-Nitrophenol	0.19	4.2	0.19	10		U
3,3´-Dichlorobenzidine	0.56	18	0.56	10		U
3-Nitroaniline	0.56	46	0.56	10		U
4,6-Dinitro-2-methylphenol	2.3	46	2.3	10		U
4-Bromophenyl phenyl ether	0.072	9.8	0.072	10		U
4-Chloro-3-methylphenol	0.14	18	0.14	10		U
4-Chloroaniline	0.56	18	0.56	10		U
4-Chlorophenyl phenyl ether	0.057	9.8	0.057	10		U
4-Methylphenol	0.040	28	0.040	10		U
4-Nitroaniline	0.56	46	0.56	10		U
4-Nitrophenol	0.93	22	0.93	10		U
Acenaphthene	0.046	9.8	0.046	10		U
Acenaphthylene	0.056	9.8	0.056	10		U
Anthracene	0.033	9.8	0.033	10		U
Benzo[a]anthracene	0.048	9.8	0.54	10		F
Benzo[a]pyrene	0.14	9.8	0.53	10		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB DL	**Lab Sample ID:**	0710130-007BDL	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8455.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.16	9.8	0.76	10		F
Benzo[g,h,i]perylene	0.19	9.8	0.19	10		U
Benzo[k]fluoranthene	0.16	9.8	0.29	10		F
Benzoic acid	5.2	70	5.2	10		U
Benzyl alcohol	0.074	18	0.074	10		U
bis(2-Chloroethoxy)methane	0.043	9.8	0.043	10		U
bis(2-chloroethyl)ether	0.072	9.8	0.072	10		U
bis(2-chloroisopropyl)ether	0.080	9.8	0.080	10		U
bis(2-Ethylhexyl)phthalate	0.21	9.8	0.24	10		F
Butyl benzyl phthalate	0.19	9.8	0.19	10		U
Chrysene	0.039	9.8	0.44	10		F
Di-n-butyl phthalate	1.2	9.8	1.2	10		U
Di-n-octyl phthalate	0.027	9.8	0.027	10		U
Dibenz[a,h]anthracene	0.19	9.8	0.19	10		U
Dibenzofuran	0.064	9.8	0.064	10		U
Diethyl phthalate	0.049	9.8	0.049	10		U
Dimethyl phthalate	0.048	9.8	0.048	10		U
Fluoranthene	0.14	9.8	0.50	10		F
Fluorene	0.048	9.8	0.048	10		U
Hexachlorobenzene	0.075	9.8	0.075	10		U
Hexachlorobutadiene	0.042	9.8	0.042	10		U
Hexachloroethane	0.56	9.8	0.56	10		U
Indeno[1,2,3-cd]pyrene	0.19	9.8	0.19	10		U
Isophorone	0.039	9.8	0.039	10		U
N-Nitroso-di-n-propylamine	0.19	9.8	0.19	10		U
N-Nitrosodiphenylamine	0.031	9.8	0.031	10		U
Naphthalene	0.035	9.8	0.035	10		U
Nitrobenzene	0.050	9.8	0.050	10		U
Pentachlorophenol	4.7	46	4.7	10		U
Phenanthrene	0.020	9.8	0.020	10		U
Phenol	0.043	4.2	0.043	10		U
Pyrene	0.031	9.8	0.47	10		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB DL	**Lab Sample ID:**	0710130-007BDL	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1101	**File ID:**	N8455.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	64	36 - 126	
2-Fluorobiphenyl	93	43 - 120	
2-Fluorophenol	83	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	88	40 - 120	
Terphenyl-d14	106	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252425	114755 - 459020	
Acenaphthene-d10	466420	212442 - 849766	
Chrysene-d12	645097	329718 - 1318872	
Naphthalene-d8	837938	373748 - 1494990	
Perylene-d12	468793	339818 - 1359272	
Phenanthrene-d10	751095	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.0035	1.2	0.0035	1		U
1,2-Dichlorobenzene	0.0048	1.2	0.0048	1		U
1,3-Dichlorobenzene	0.0060	1.2	0.0060	1		U
1,4-Dichlorobenzene	0.0082	1.2	0.0082	1		U
2,4,5-Trichlorophenol	0.035	5.6	0.035	1		U
2,4,6-Trichlorophenol	0.0096	0.51	0.0096	1		U
2,4-Dichlorophenol	0.0064	0.51	0.0064	1		U
2,4-Dimethylphenol	0.014	0.51	0.014	1		U
2,4-Dinitrophenol	0.56	5.6	0.56	1		U
2,4-Dinitrotoluene	0.0082	1.2	0.0082	1		U
2,6-Dinitrotoluene	0.0095	1.2	0.0095	1		U
2-Chloronaphthalene	0.0062	1.2	0.0062	1		U
2-Chlorophenol	0.0087	0.51	0.0087	1		U
2-Methylnaphthalene	0.0027	1.2	0.0027	1		U
2-Methylphenol	0.0063	0.51	0.0063	1		U
2-Nitroaniline	0.010	5.6	0.010	1		U
2-Nitrophenol	0.023	0.51	0.023	1		U
3,3´-Dichlorobenzidine	0.068	2.2	0.068	1		U
3-Nitroaniline	0.068	5.6	0.068	1		U
4,6-Dinitro-2-methylphenol	0.28	5.6	0.28	1		U
4-Bromophenyl phenyl ether	0.0088	1.2	0.0088	1		U
4-Chloro-3-methylphenol	0.017	2.2	0.017	1		U
4-Chloroaniline	0.068	2.2	0.068	1		U
4-Chlorophenyl phenyl ether	0.0069	1.2	0.0069	1		U
4-Methylphenol	0.0048	3.4	0.0048	1		U
4-Nitroaniline	0.068	5.6	0.068	1		U
4-Nitrophenol	0.11	2.7	0.11	1		U
Acenaphthene	0.0056	1.2	0.0056	1		U
Acenaphthylene	0.0068	1.2	0.0068	1		U
Anthracene	0.0039	1.2	0.0039	1		U
Benzo[a]anthracene	0.0059	1.2	0.0059	1		U
Benzo[a]pyrene	0.017	1.2	0.017	1		UQ

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.019	1.2	0.019	1		UQ
Benzo[g,h,i]perylene	0.023	1.2	0.023	1		UQ
Benzo[k]fluoranthene	0.019	1.2	0.019	1		UQ
Benzoic acid	0.63	8.5	0.63	1		U
Benzyl alcohol	0.0090	2.2	0.0090	1		U
bis(2-Chloroethoxy)methane	0.0052	1.2	0.0052	1		U
bis(2-chloroethyl)ether	0.0087	1.2	0.0087	1		U
bis(2-chloroisopropyl)ether	0.0096	1.2	0.0096	1		U
bis(2-Ethylhexyl)phthalate	0.025	1.2	0.14	1		F
Butyl benzyl phthalate	0.023	1.2	0.023	1		U
Chrysene	0.0047	1.2	0.0047	1		U
Di-n-butyl phthalate	0.14	1.2	0.14	1		U
Di-n-octyl phthalate	0.0033	1.2	0.0033	1		U
Dibenz[a,h]anthracene	0.023	1.2	0.023	1		UQ
Dibenzofuran	0.0077	1.2	0.0077	1		U
Diethyl phthalate	0.0059	1.2	0.060	1		F
Dimethyl phthalate	0.0058	1.2	0.0058	1		U
Fluoranthene	0.017	1.2	0.017	1		U
Fluorene	0.0058	1.2	0.0058	1		U
Hexachlorobenzene	0.0091	1.2	0.0091	1		U
Hexachlorobutadiene	0.0051	1.2	0.0051	1		U
Hexachloroethane	0.068	1.2	0.068	1		U
Indeno[1,2,3-cd]pyrene	0.023	1.2	0.023	1		U
Isophorone	0.0047	1.2	0.0047	1		U
N-Nitroso-di-n-propylamine	0.023	1.2	0.023	1		U
N-Nitrosodiphenylamine	0.0038	1.2	0.0038	1		U
Naphthalene	0.0043	1.2	0.0043	1		U
Nitrobenzene	0.0060	1.2	0.0060	1		U
Pentachlorophenol	0.56	5.6	0.56	1		U
Phenanthrene	0.0025	1.2	0.0025	1		U
Phenol	0.0052	0.51	0.0052	1		U
Pyrene	0.0038	1.2	0.0038	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8460.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		mg/Kg		**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	71	36 - 126	
2-Fluorobiphenyl	85	43 - 120	
2-Fluorophenol	82	37 - 120	
Nitrobenzene-d5	81	37 - 120	
Phenol-d5	86	40 - 120	
Terphenyl-d14	124	32 - 120	*

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	270290	114755 - 459020	
Acenaphthene-d10	492382	212442 - 849766	
Chrysene-d12	387150	329718 - 1318872	
Naphthalene-d8	938554	373748 - 1494990	
Perylene-d12	185744	339818 - 1359272	*
Phenanthrene-d10	742386	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB DL	**Lab Sample ID:**	0710130-008BDL	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8456.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.035	12	0.035	10		U
1,2-Dichlorobenzene	0.048	12	0.048	10		U
1,3-Dichlorobenzene	0.060	12	0.060	10		U
1,4-Dichlorobenzene	0.082	12	0.082	10		U
2,4,5-Trichlorophenol	0.35	56	0.35	10		U
2,4,6-Trichlorophenol	0.096	5.1	0.096	10		U
2,4-Dichlorophenol	0.064	5.1	0.064	10		U
2,4-Dimethylphenol	0.14	5.1	0.14	10		U
2,4-Dinitrophenol	5.6	56	5.6	10		U
2,4-Dinitrotoluene	0.082	12	0.082	10		U
2,6-Dinitrotoluene	0.095	12	0.095	10		U
2-Chloronaphthalene	0.062	12	0.062	10		U
2-Chlorophenol	0.087	5.1	0.087	10		U
2-Methylnaphthalene	0.027	12	0.027	10		U
2-Methylphenol	0.063	5.1	0.063	10		U
2-Nitroaniline	0.10	56	0.10	10		U
2-Nitrophenol	0.23	5.1	0.23	10		U
3,3'-Dichlorobenzidine	0.68	22	0.68	10		U
3-Nitroaniline	0.68	56	0.68	10		U
4,6-Dinitro-2-methylphenol	2.8	56	2.8	10		U
4-Bromophenyl phenyl ether	0.088	12	0.088	10		U
4-Chloro-3-methylphenol	0.17	22	0.17	10		U
4-Chloroaniline	0.68	22	0.68	10		U
4-Chlorophenyl phenyl ether	0.069	12	0.069	10		U
4-Methylphenol	0.048	34	0.048	10		U
4-Nitroaniline	0.68	56	0.68	10		U
4-Nitrophenol	1.1	27	1.1	10		U
Acenaphthene	0.056	12	0.056	10		U
Acenaphthylene	0.068	12	0.068	10		U
Anthracene	0.039	12	0.039	10		U
Benzo[a]anthracene	0.059	12	0.059	10		U
Benzo[a]pyrene	0.17	12	0.17	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB DL	**Lab Sample ID:**	0710130-008BDL	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8456.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.19	12	0.19	10		U
Benzo[g,h,i]perylene	0.23	12	0.23	10		U
Benzo[k]fluoranthene	0.19	12	0.19	10		U
Benzoic acid	6.3	85	6.3	10		U
Benzyl alcohol	0.090	22	0.090	10		U
bis(2-Chloroethoxy)methane	0.052	12	0.052	10		U
bis(2-chloroethyl)ether	0.087	12	0.087	10		U
bis(2-chloroisopropyl)ether	0.096	12	0.096	10		U
bis(2-Ethylhexyl)phthalate	0.25	12	0.25	10		U
Butyl benzyl phthalate	0.23	12	0.23	10		U
Chrysene	0.047	12	0.047	10		U
Di-n-butyl phthalate	1.4	12	1.4	10		U
Di-n-octyl phthalate	0.033	12	0.033	10		U
Dibenz[a,h]anthracene	0.23	12	0.23	10		U
Dibenzofuran	0.077	12	0.077	10		U
Diethyl phthalate	0.059	12	0.059	10		U
Dimethyl phthalate	0.058	12	0.058	10		U
Fluoranthene	0.17	12	0.17	10		U
Fluorene	0.058	12	0.058	10		U
Hexachlorobenzene	0.091	12	0.091	10		U
Hexachlorobutadiene	0.051	12	0.051	10		U
Hexachloroethane	0.68	12	0.68	10		U
Indeno[1,2,3-cd]pyrene	0.23	12	0.23	10		U
Isophorone	0.047	12	0.047	10		U
N-Nitroso-di-n-propylamine	0.23	12	0.23	10		U
N-Nitrosodiphenylamine	0.038	12	0.038	10		U
Naphthalene	0.043	12	0.043	10		U
Nitrobenzene	0.060	12	0.060	10		U
Pentachlorophenol	5.6	56	5.6	10		U
Phenanthrene	0.025	12	0.025	10		U
Phenol	0.052	5.1	0.052	10		U
Pyrene	0.038	12	0.038	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3550B	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB DL	**Lab Sample ID:**	0710130-008BDL	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1101	**File ID:**	N8456.D
Date Received:	19-Oct-07	**Date Extracted:**	25-Oct-07	**Date Analyzed:**	02-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	70	36 - 126	
2-Fluorobiphenyl	94	43 - 120	
2-Fluorophenol	90	37 - 120	
Nitrobenzene-d5	87	37 - 120	
Phenol-d5	93	40 - 120	
Terphenyl-d14	102	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	251275	114755 - 459020	
Acenaphthene-d10	474533	212442 - 849766	
Chrysene-d12	626687	329718 - 1318872	
Naphthalene-d8	857069	373748 - 1494990	
Perylene-d12	446662	339818 - 1359272	
Phenanthrene-d10	763728	366838 - 1467354	

Comments:

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0101BB	0710130-001BMS
TMCSD0101BB	0710130-001BMSD
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	4.8	24	4100	1	M
Antimony	0.54	12	0.54	1	UM
Arsenic	0.48	6.0	3.0	1	F
Barium	0.045	1.2	17	1	
Beryllium	0.0068	1.2	0.18	1	F
Cadmium	0.037	0.60	0.037	1	U
Calcium	2.0	120	720	1	
Chromium	0.17	1.2	4.9	1	
Cobalt	0.18	1.2	3.1	1	
Copper	0.48	2.4	10	1	
Iron	0.56	3.6	9100	1	M
Lead	0.17	3.6	1.9	1	F
Magnesium	4.8	120	1700	1	
Manganese	0.028	1.2	160	1	
Molybdenum	0.28	3.6	0.28	1	U
Nickel	0.24	2.4	7.1	1	
Potassium	24	240	520	1	
Selenium	0.23	3.6	0.61	1	F
Silver	0.12	1.2	0.12	1	U
Sodium	9.6	120	44	1	F
Thallium	0.62	7.2	0.62	1	U
Vanadium	0.099	1.2	6.9	1	
Zinc	0.96	2.4	18	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001BMS	**Matrix:**	Soil
% Solids:	83.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	4.8	24	4800	1	**M**
Antimony	0.54	12	32.7	1	**M**
Arsenic	0.48	6.0	49.8	1	
Barium	0.045	1.2	63.8	1	
Beryllium	0.0068	1.2	47.1	1	
Cadmium	0.037	0.60	45.7	1	
Calcium	2.0	120	3010	1	
Chromium	0.17	1.2	52.2	1	
Cobalt	0.18	1.2	48.8	1	
Copper	0.48	2.4	58.4	1	
Iron	0.56	3.6	9230	1	**M**
Lead	0.17	3.6	49.1	1	
Magnesium	4.8	120	4020	1	
Manganese	0.028	1.2	209	1	
Molybdenum	0.28	3.6	45.8	1	
Nickel	0.24	2.4	53.9	1	
Potassium	24	240	2710	1	
Selenium	0.23	3.6	45.2	1	
Silver	0.12	1.2	11.4	1	
Sodium	9.6	120	2430	1	
Thallium	0.62	7.2	46.0	1	
Vanadium	0.099	1.2	54.4	1	
Zinc	0.96	2.4	65.5	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001BMSD	**Matrix:**	Soil
% Solids:	83.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	4.8	24	4850	1	M
Antimony	0.54	12	32.8	1	M
Arsenic	0.48	6.0	50.3	1	
Barium	0.045	1.2	64.0	1	
Beryllium	0.0068	1.2	47.3	1	
Cadmium	0.037	0.60	46.0	1	
Calcium	2.0	120	3040	1	
Chromium	0.17	1.2	52.5	1	
Cobalt	0.18	1.2	49.1	1	
Copper	0.48	2.4	58.9	1	
Iron	0.56	3.6	9370	1	
Lead	0.17	3.6	49.3	1	
Magnesium	4.8	120	4050	1	
Manganese	0.028	1.2	209	1	
Molybdenum	0.28	3.6	46.0	1	
Nickel	0.24	2.4	54.5	1	
Potassium	24	240	2730	1	
Selenium	0.23	3.6	45.6	1	
Silver	0.12	1.2	11.5	1	
Sodium	9.6	120	2440	1	
Thallium	0.62	7.2	46.5	1	
Vanadium	0.099	1.2	54.8	1	
Zinc	0.96	2.4	66.0	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.2	26	2900	1	
Antimony	0.59	13	0.59	1	U
Arsenic	0.52	6.5	1.1	1	F
Barium	0.049	1.3	14	1	
Beryllium	0.0074	1.3	0.12	1	F
Cadmium	0.040	0.65	0.040	1	U
Calcium	2.2	130	4000	1	
Chromium	0.18	1.3	4.0	1	
Cobalt	0.19	1.3	2.2	1	
Copper	0.52	2.6	7.3	1	
Iron	0.61	3.9	7400	1	
Lead	0.18	3.9	1.9	1	F
Magnesium	5.2	130	1500	1	
Manganese	0.030	1.3	110	1	
Molybdenum	0.30	3.9	0.30	1	U
Nickel	0.26	2.6	5.4	1	
Potassium	26	260	420	1	
Selenium	0.25	3.9	0.41	1	F
Silver	0.13	1.3	0.13	1	U
Sodium	10	130	31	1	F
Thallium	0.68	7.8	0.68	1	U
Vanadium	0.11	1.3	6.4	1	
Zinc	1.0	2.6	22	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.2	26	3600	1	
Antimony	0.59	13	0.59	1	U
Arsenic	0.52	6.5	2.0	1	F
Barium	0.049	1.3	16	1	
Beryllium	0.0074	1.3	0.17	1	F
Cadmium	0.040	0.65	0.30	1	F
Calcium	2.2	130	4400	1	
Chromium	0.18	1.3	5.3	1	
Cobalt	0.19	1.3	3.1	1	
Copper	0.52	2.6	10	1	
Iron	0.61	3.9	7900	1	
Lead	0.18	3.9	5.5	1	
Magnesium	5.2	130	1900	1	
Manganese	0.030	1.3	210	1	
Molybdenum	0.30	3.9	0.46	1	F
Nickel	0.26	2.6	7.5	1	
Potassium	26	260	480	1	
Selenium	0.25	3.9	0.40	1	F
Silver	0.13	1.3	0.13	1	U
Sodium	10	130	42	1	F
Thallium	0.68	7.8	0.68	1	U
Vanadium	0.11	1.3	9.2	1	
Zinc	1.0	2.6	30	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.0	25	2500	1	
Antimony	0.57	13	0.57	1	U
Arsenic	0.50	6.3	2.1	1	F
Barium	0.047	1.3	24	1	
Beryllium	0.0072	1.3	0.11	1	F
Cadmium	0.038	0.63	0.44	1	F
Calcium	2.1	130	2700	1	
Chromium	0.18	1.3	4.8	1	
Cobalt	0.19	1.3	2.4	1	
Copper	0.50	2.5	5.4	1	
Iron	0.59	3.8	6400	1	
Lead	0.18	3.8	8.4	1	
Magnesium	5.0	130	1600	1	
Manganese	0.029	1.3	260	1	
Molybdenum	0.29	3.8	0.29	1	U
Nickel	0.25	2.5	5.5	1	
Potassium	25	250	320	1	
Selenium	0.24	3.8	0.45	1	F
Silver	0.12	1.3	0.12	1	U
Sodium	10	130	27	1	F
Thallium	0.66	7.5	0.66	1	U
Vanadium	0.10	1.3	5.7	1	
Zinc	1.0	2.5	34	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.8	29	3600	1	
Antimony	0.65	14	0.65	1	U
Arsenic	0.58	7.2	2.1	1	F
Barium	0.054	1.4	34	1	
Beryllium	0.0082	1.4	0.18	1	F
Cadmium	0.044	0.72	0.53	1	F
Calcium	2.5	140	3700	1	
Chromium	0.20	1.4	6.0	1	
Cobalt	0.21	1.4	2.8	1	
Copper	0.58	2.9	13	1	
Iron	0.68	4.3	8300	1	
Lead	0.20	4.3	9.0	1	
Magnesium	5.8	140	1600	1	
Manganese	0.034	1.4	180	1	
Molybdenum	0.33	4.3	0.33	1	U
Nickel	0.29	2.9	7.1	1	
Potassium	29	290	460	1	
Selenium	0.28	4.3	0.54	1	F
Silver	0.14	1.4	0.14	1	U
Sodium	12	140	56	1	F
Thallium	0.75	8.6	0.75	1	U
Vanadium	0.12	1.4	8.6	1	
Zinc	1.2	2.9	33	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.1	26	2700	1	
Antimony	0.58	13	0.58	1	U
Arsenic	0.51	6.4	1.0	1	F
Barium	0.048	1.3	15	1	
Beryllium	0.0073	1.3	0.10	1	F
Cadmium	0.039	0.64	0.044	1	F
Calcium	2.2	130	5800	1	
Chromium	0.18	1.3	5.0	1	
Cobalt	0.19	1.3	1.9	1	
Copper	0.51	2.6	8.8	1	
Iron	0.60	3.8	6200	1	
Lead	0.18	3.8	4.1	1	
Magnesium	5.1	130	1700	1	
Manganese	0.030	1.3	59	1	
Molybdenum	0.30	3.8	0.30	1	U
Nickel	0.26	2.6	5.3	1	
Potassium	26	260	420	1	
Selenium	0.25	3.8	0.28	1	F
Silver	0.12	1.3	0.12	1	U
Sodium	10	130	34	1	F
Thallium	0.67	7.7	0.67	1	U
Vanadium	0.11	1.3	6.0	1	
Zinc	1.0	2.6	32	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	5.6	28	6500	1	
Antimony	0.63	14	0.63	1	U
Arsenic	0.56	7.0	5.7	1	F
Barium	0.053	1.4	42	1	
Beryllium	0.0080	1.4	0.34	1	F
Cadmium	0.043	0.70	0.23	1	F
Calcium	2.4	140	62000	1	
Chromium	0.20	1.4	12	1	
Cobalt	0.21	1.4	4.0	1	
Copper	0.56	2.8	9.8	1	
Iron	0.66	4.2	9800	1	
Lead	0.20	4.2	7.6	1	
Magnesium	5.6	140	2700	1	
Manganese	0.033	1.4	230	1	
Molybdenum	0.32	4.2	1.3	1	F
Nickel	0.28	2.8	19	1	
Potassium	28	280	450	1	
Selenium	0.27	4.2	0.57	1	F
Silver	0.14	1.4	0.14	1	U
Sodium	11	140	71	1	F
Thallium	0.73	8.4	0.73	1	U
Vanadium	0.12	1.4	67	1	
Zinc	1.1	2.8	120	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3050B	**AAB #:**	6466
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1096		
Date Received:	19-Oct-07	**Date Prepared:**	26-Oct-07	**Date Analyzed:**	29-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	6.8	34	30000	1	
Antimony	0.76	17	0.76	1	U
Arsenic	0.68	8.5	4.7	1	F
Barium	0.064	1.7	260	1	
Beryllium	0.0096	1.7	1.1	1	F
Cadmium	0.052	0.85	0.095	1	F
Calcium	2.9	170	5100	1	
Chromium	0.24	1.7	38	1	
Cobalt	0.25	1.7	10	1	
Copper	0.68	3.4	15	1	
Iron	0.79	5.1	25000	1	
Lead	0.24	5.1	15	1	
Magnesium	6.8	170	6200	1	
Manganese	0.039	1.7	250	1	
Molybdenum	0.39	5.1	1.1	1	F
Nickel	0.34	3.4	25	1	
Potassium	34	340	2100	1	
Selenium	0.32	5.1	1.1	1	F
Silver	0.16	1.7	0.16	1	U
Sodium	14	170	57	1	F
Thallium	0.88	10	0.88	1	U
Vanadium	0.14	1.7	57	1	
Zinc	1.4	3.4	85	1	

Comments

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0101BB	0710130-001BMS
TMCSD0101BB	0710130-001BMSD
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0040	0.12	0.0060	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001BMS	**Matrix:**	Solid
% Solids:	83.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0040	0.12	0.422	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001BMSD	**Matrix:**	Solid
% Solids:	83.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0040	0.12	0.432	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0044	0.13	0.0044	1	U

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0044	0.13	0.012	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0042	0.13	0.010	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0048	0.14	0.024	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0043	0.13	0.0048	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0047	0.14	0.035	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7471A	**Preparatory Method:**	SW7471A	**AAB #:**	6490
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1105		
Date Received:	19-Oct-07	**Date Prepared:**	31-Oct-07	**Date Analyzed:**	31-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0057	0.17	0.12	1	F

Comments

Quality Control Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 GCMS#3

Date of Initial Calibration: 26-OCT-07

Initial Calibration ID: 1107

Concentration Units (ug/L or mg/kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\JO26VOCS.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Sat Oct 27 12:01:39 2007
Response via : Initial Calibration

ICAL #1107

Calibration Files
2.0 =J4950.D 5.0 =J4951.D 20 =J4952.D
50 =J4953.D 100 =J4954.D 150 =J4955.D

		Compound	2.0	5.0	20	50	100	150	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.314	0.263	0.272	0.305	0.298	0.294	0.293	6.23
3)	P	Chloromethane	0.678	0.564	0.578	0.563	0.571	0.497	0.570	9.62
4)	CP	Vinyl chloride		0.410	0.418	0.464	0.460	0.378	0.431	8.10
5)		Bromomethane	0.184	0.171	0.151	0.145	0.148	0.133	0.153	11.65
6)		Chloroethane	0.137	0.140	0.143	0.143	0.145	0.133	0.140	3.27
7)		Trichlorofluorometh	0.277	0.254	0.253	0.276	0.266	0.231	0.256	7.16
8)		Acetone		0.148	0.147	0.139	0.144	0.118	0.132	15.36
9)		Acrolein	0.103	0.108	0.116	0.111	0.115	0.102	0.107	6.79
10)	CPM	1,1-Dichloroethene	0.147	0.202	0.219	0.245	0.231		0.209	18.15
11)		Methyl iodide	0.111	0.149	0.263	0.362	0.370	0.258	0.251	38.71
12)		1,1,2-Trichloro-1,2	0.155	0.222	0.224	0.267	0.237	0.176	0.207	20.10
13)		Methyl acetate	0.276	0.277	0.269	0.243	0.238	0.229	0.245	14.01
14)		Acrylonitrile	0.204	0.217	0.232	0.218	0.226	0.226	0.219	4.26
15)		Methylene chloride	0.434	0.336	0.288	0.269	0.257		0.317	22.73
16)		Carbon disulfide	0.563	0.706	0.750	0.840	0.838		0.739	15.46
17)		trans-1,2-Dichloroe	0.234	0.240	0.249	0.270	0.256		0.250	5.60
18)		Methyl tert-Butyl e	0.657	0.718	0.786	0.748	0.723	0.711	0.724	5.91
19)	P	1,1-Dichloroethane	0.543	0.565	0.596	0.617	0.594	0.603	0.586	4.23
20)		Vinyl acetate	0.689	0.723	0.744	0.856	0.905	0.887	0.819	11.89
21)		2-Butanone	0.223	0.238	0.274	0.253	0.254	0.272	0.252	7.19
22)		cis-1,2-Dichloroeth	0.267	0.281	0.301	0.304	0.292	0.295	0.289	4.37
23)		Bromochloromethane	0.133	0.139	0.156	0.150	0.144	0.141	0.142	6.04
24)	CP	Chloroform	0.391	0.395	0.421	0.424	0.405	0.411	0.406	3.20
25)		2,2-Dichloropropane	0.250	0.264	0.301	0.327	0.308	0.318	0.297	9.70
26)		Cyclohexane	0.702	0.716	0.752	0.875	0.809	0.855	0.792	8.71
27)	S	Dibromofluoromethan	0.225	0.229	0.247	0.246	0.236	0.237	0.235	3.71
28)	S	1,2-Dichloroethane-	0.306	0.310	0.329	0.312	0.302	0.307	0.309	3.40
29)		1,2-Dichloroethane	0.381	0.422	0.455	0.438	0.426	0.431	0.425	5.32
30)		1,1,1-Trichloroetha	0.323	0.334	0.357	0.391	0.375	0.379	0.361	6.87
31)		1,1-Dichloropropene	0.281	0.288	0.305	0.346	0.324	0.324	0.312	7.23
32)		Carbon tetrachlorid	0.223	0.251	0.276	0.324	0.308	0.325	0.290	14.09
33)	M	Benzene	1.027	1.062	1.104	1.145	1.086	1.079	1.076	3.84
34)	M	Trichloroethene	0.252	0.248	0.264	0.273	0.255	0.249	0.254	4.46
35)		Dibromomethane	0.132	0.153	0.166	0.160	0.153	0.155	0.153	6.95
36)		Methylcyclohexane	0.410	0.408	0.420	0.482	0.414	0.427	0.424	6.30
37)	CP	1,2-Dichloropropane	0.331	0.347	0.375	0.377	0.361	0.371	0.360	4.57
38)		Bromodichloromethan	0.249	0.258	0.306	0.314	0.311	0.317	0.295	9.70
39)		2-Chloroethylvinyl			0.008	0.011	0.014	0.013	0.013	30.06
40)		4-Methyl-2-pentanon	0.398	0.459	0.540	0.515	0.507	0.525	0.492	9.87
41)		cis-1,3-Dichloropro	0.332	0.358	0.414	0.423	0.414	0.421	0.395	9.01
42)	S	Toluene-d8	0.927	0.890	0.938	0.968	0.909	0.899	0.914	3.70
43)	CPM	Toluene	0.732	0.697	0.717	0.736	0.690	0.682	0.702	3.95

(#) = Out of Range ### Number of calibration levels exceeded format ###

10-29-07

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\JO26VOCS.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Sat Oct 27 12:01:39 2007
Response via : Initial Calibration

Calibration Files
2.0 =J4950.D 5.0 =J4951.D 20 =J4952.D
50 =J4953.D 100 =J4954.D 150 =J4955.D

		Compound	2.0	5.0	20	50	100	150	Avg	%RSD
44)		trans-1,3-Dichlorop	0.274	0.307	0.361	0.366	0.353	0.357	0.338	10.16
45)		1,1,2-Trichloroetha	0.183	0.187	0.209	0.200	0.190	0.194	0.193	4.77
46)		2-Hexanone	0.274	0.310	0.386	0.373	0.372	0.393	0.354	12.53
47)	I	Chlorobenzene-d5	----------	ISTD	----------					
48)		1,2-Dibromoethane	0.570	0.642	0.718	0.712	0.695	0.729	0.681	8.26
49)		1,3-Dichloropropane	1.039	1.068	1.156	1.149	1.102	1.136	1.105	3.99
50)		Dibromochloromethan	0.559	0.609	0.738	0.789	0.791	0.844	0.736	14.91
51)		Tetrachloroethene	0.800	0.776	0.777	0.880	0.803	0.824	0.808	4.44
52)		1-Chlorohexane	0.841	0.824	0.867	1.019	0.922	0.970	0.915	7.97
53)		1,1,1,2-Tetrachloro	0.600	0.622	0.719	0.755	0.731	0.776	0.709	9.79
54)	PM	Chlorobenzene	2.095	2.045	2.076	2.121	1.954	1.948	2.014	4.72
55)	CP	Ethylbenzene	3.230	3.179	3.326	3.520	3.230	3.203	3.250	4.36
56)		(m+p)-Xylene	1.207	1.224	1.293	1.377	1.261	1.208	1.245	5.95
57)		o-Xylene	1.137	1.188	1.300	1.388	1.310	1.315	1.276	6.65
58)		Styrene	1.608	1.676	1.972	2.107	2.038	2.058	1.926	10.33
59)	P	Bromoform	0.326	0.360	0.477	0.528	0.548	0.596	0.489	21.96
60)	S	Bromofluorobenzene	0.986	0.869	0.913	0.924	0.881	0.897	0.909	4.25
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
62)		trans-1,4-Dichloro-	0.114	0.132	0.180	0.192	0.197	0.222	0.179	22.87
63)	P	1,1,2,2-Tetrachloro	0.985	1.022	1.096	1.049	1.012	1.073	1.038	3.65
64)		Isopropylbenzene	3.282	3.344	3.508	3.794	3.502	3.540	3.472	5.00
65)		1,2,3-Trichloroprop	0.864	0.897	0.925	0.866	0.827	0.878	0.870	4.03
66)		Bromobenzene	1.038	1.060	1.079	1.026	0.950	0.953	0.999	6.92
67)		n-Propylbenzene	3.630	3.663	3.770	4.111	3.757	3.712	3.731	5.21
68)		2-Chlorotoluene	2.529	2.540	2.635	2.737	2.547	2.571	2.573	3.49
69)		4-Chlorotoluene	2.349	2.297	2.334	2.437	2.297	2.326	2.326	2.57
70)		1,3,5-Trimethylbenz	2.509	2.554	2.699	2.846	2.651	2.671	2.641	4.32
71)		tert-Butylbenzene	2.477	2.516	2.613	2.789	2.600	2.694	2.611	4.03
72)		1,2,4-Trimethylbenz	2.412	2.395	2.525	2.623	2.491	2.550	2.495	3.18
73)		sec-Butylbenzene	3.455	3.429	3.564	3.896	3.596	3.717	3.601	4.47
74)		1,3-Dichlorobenzene	1.794	1.698	1.755	1.792	1.701	1.733	1.735	2.72
75)		p-Isopropyltoluene	2.771	2.769	2.914	3.167	2.934	3.037	2.934	4.80
76)		1,4-Dichlorobenzene	1.721	1.653	1.658	1.694	1.587	1.625	1.645	3.28
77)		n-Butylbenzene	2.069	2.005	2.146	2.375	2.196	2.313	2.197	6.08
78)		1,2-Dichlorobenzene	1.630	1.636	1.726	1.698	1.630	1.699	1.660	2.86
79)		1,2-Dibromo-3-chlor	0.104	0.117	0.150	0.155	0.162	0.152	0.141	15.27
80)		1,2,4-Trichlorobenz	0.816	0.789	0.899	0.891	0.817	0.669	0.791	12.23
81)		Hexachlorobutadiene	0.508	0.476	0.526	0.551	0.487	0.377	0.472	14.60
82)		Naphthalene	1.500	1.651	2.070	1.990	1.898	1.631	1.761	12.58
83)		1,2,3-Trichlorobenz	0.612	0.642	0.765	0.731	0.656	0.573	0.648	11.99

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\JO26VOCS.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Mon Oct 29 09:07:47 2007
Response via : Initial Calibration

Calibration Files
200 =J4956.D = =
= = =

		Compound	200	Avg	%RSD
1)	I	Fluorobenzene	ISTD		
2)		Dichlorodifluoromet	0.302		
3)	P	Chloromethane	0.541		
4)	CP	Vinyl chloride	0.457		
5)		Bromomethane	0.141		
6)		Chloroethane	0.136		
7)		Trichlorofluorometh	0.235		
8)		Acetone	0.098		
9)		Acrolein	0.096		
10)	CPM	1,1-Dichloroethene			
11)		Methyl iodide			
12)		1,1,2-Trichloro-1,2	0.167		
13)		Methyl acetate	0.181		
14)		Acrylonitrile	0.213		
15)		Methylene chloride			
16)		Carbon disulfide			
17)		trans-1,2-Dichloroe			
18)		Methyl tert-Butyl e			
19)	P	1,1-Dichloroethane	0.585		
20)		Vinyl acetate	0.929		
21)		2-Butanone	0.251		
22)		cis-1,2-Dichloroeth	0.284		
23)		Bromochloromethane	0.133		
24)	CP	Chloroform	0.396		
25)		2,2-Dichloropropane	0.310		
26)		Cyclohexane	0.837		
27)	S	Dibromofluoromethan	0.227		
28)	S	1,2-Dichloroethane-	0.296		
29)		1,2-Dichloroethane	0.421		
30)		1,1,1-Trichloroetha	0.368		
31)		1,1-Dichloropropene	0.315		
32)		Carbon tetrachlorid	0.322		
33)	M	Benzene	1.032		
34)	M	Trichloroethene	0.238		
35)		Dibromomethane	0.151		
36)		Methylcyclohexane	0.405		
37)	CP	1,2-Dichloropropane	0.360		
38)		Bromodichloromethan	0.310		
39)		2-Chloroethylvinyl	0.018		
40)		4-Methyl-2-pentanon	0.503		
41)		cis-1,3-Dichloropro	0.405		
42)	S	Toluene-d8	0.866		
43)	CPM	Toluene	0.660		

(#) = Out of Range ### Number of calibration levels exceeded f

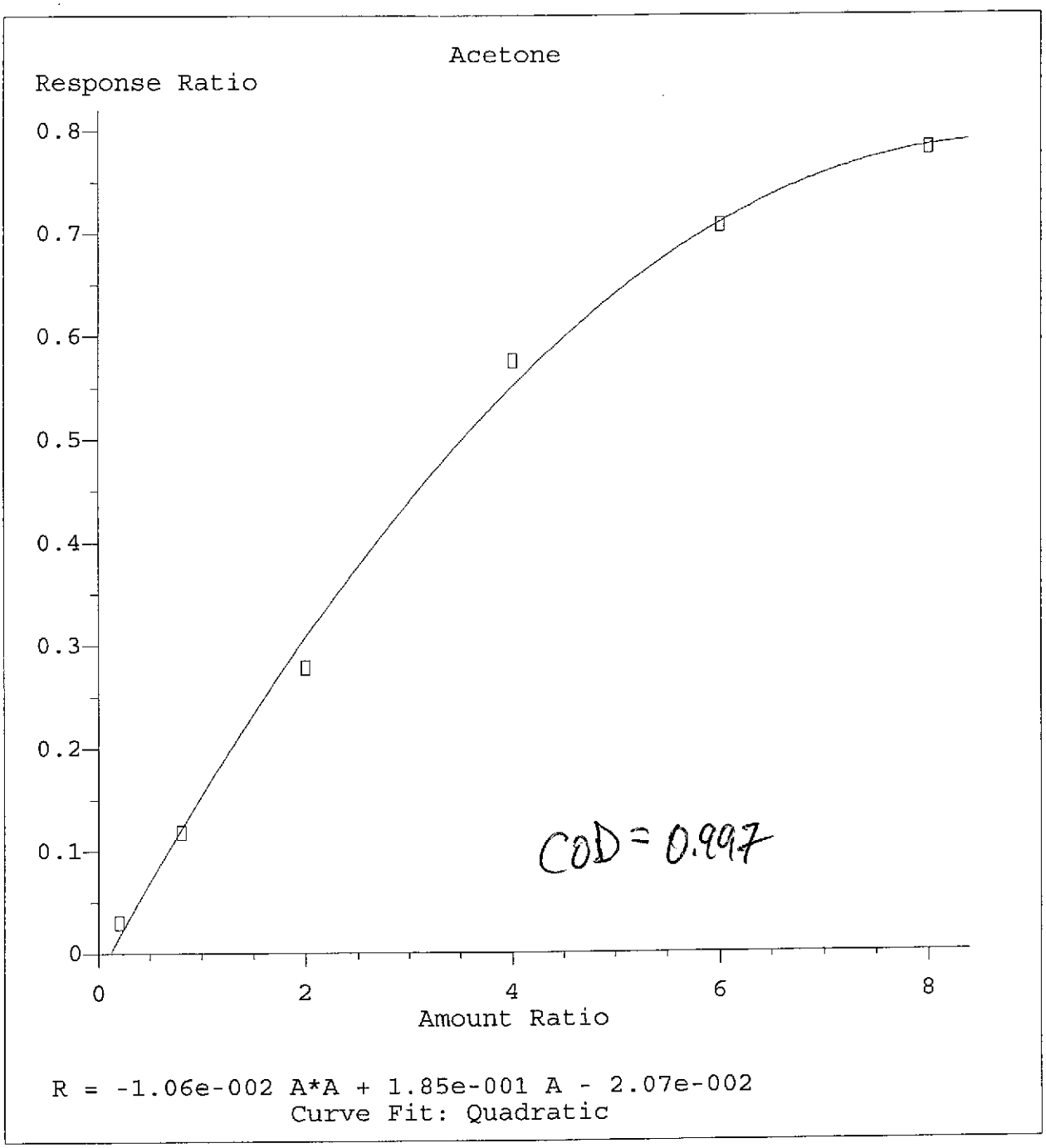
Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\JO26VOCS.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Mon Oct 29 09:07:47 2007
Response via : Initial Calibration

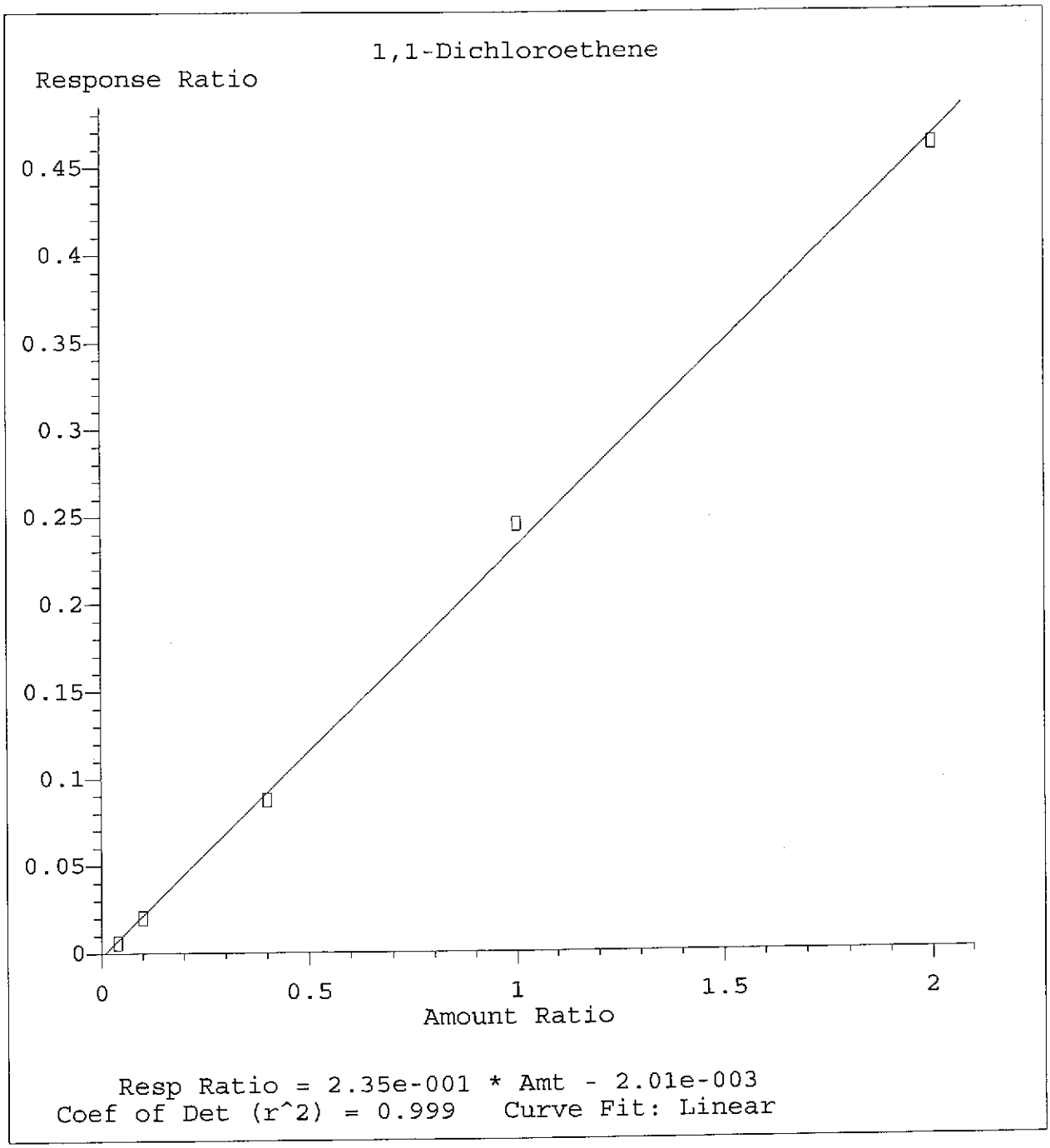
Calibration Files
200 =J4956.D = =
= = =

		Compound	200	Avg	%RSD
44)		trans-1,3-Dichlorop	0.345		
45)		1,1,2-Trichloroetha	0.186		
46)		2-Hexanone	0.371		
47)	I	Chlorobenzene-d5	----------ISTD----------		
48)		1,2-Dibromoethane	0.699		
49)		1,3-Dichloropropane	1.089		
50)		Dibromochloromethan	0.821		
51)		Tetrachloroethene	0.793		
52)		1-Chlorohexane	0.960		
53)		1,1,1,2-Tetrachloro	0.757		
54)	PM	Chlorobenzene	1.860		
55)	CP	Ethylbenzene	3.067		
56)		(m+p)-Xylene	1.146		
57)		o-Xylene	1.292		
58)		Styrene	2.024		
59)	P	Bromoform	0.587		
60)	S	Bromofluorobenzene	0.892		
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------		
62)		trans-1,4-Dichloro-	0.214		
63)	P	1,1,2,2-Tetrachloro	1.030		
64)		Isopropylbenzene	3.336		
65)		1,2,3-Trichloroprop	0.829		
66)		Bromobenzene	0.890		
67)		n-Propylbenzene	3.475		
68)		2-Chlorotoluene	2.454		
69)		4-Chlorotoluene	2.243		
70)		1,3,5-Trimethylbenz	2.557		
71)		tert-Butylbenzene	2.584		
72)		1,2,4-Trimethylbenz	2.470		
73)		sec-Butylbenzene	3.550		
74)		1,3-Dichlorobenzene	1.674		
75)		p-Isopropyltoluene	2.945		
76)		1,4-Dichlorobenzene	1.573		
77)		n-Butylbenzene	2.276		
78)		1,2-Dichlorobenzene	1.598		
79)		1,2-Dibromo-3-chlor	0.147		
80)		1,2,4-Trichlorobenz	0.656		
81)		Hexachlorobutadiene	0.378		
82)		Naphthalene	1.587		
83)		1,2,3-Trichlorobenz	0.556		

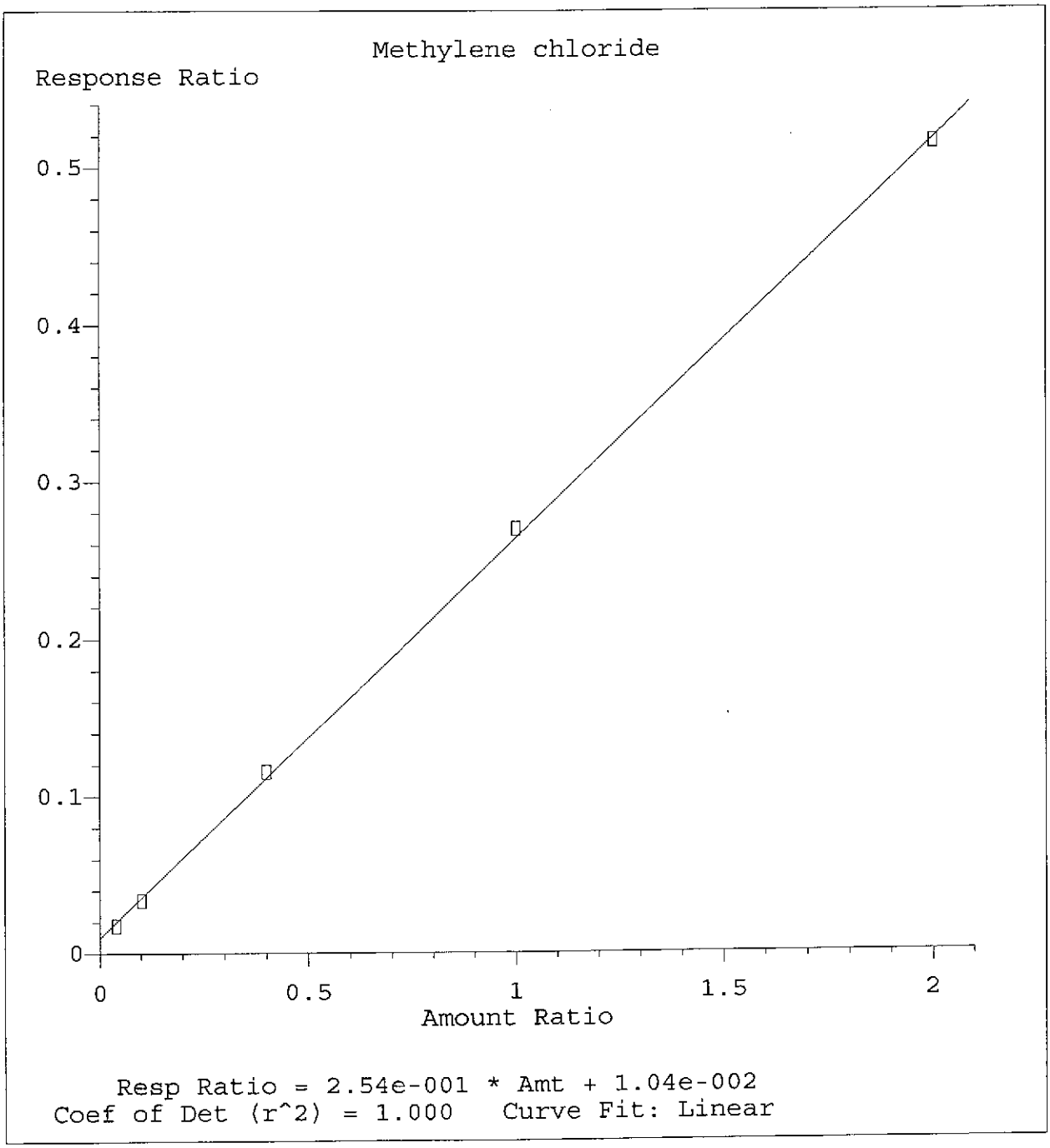
(#) = Out of Range ### Number of calibration levels exceeded format ###



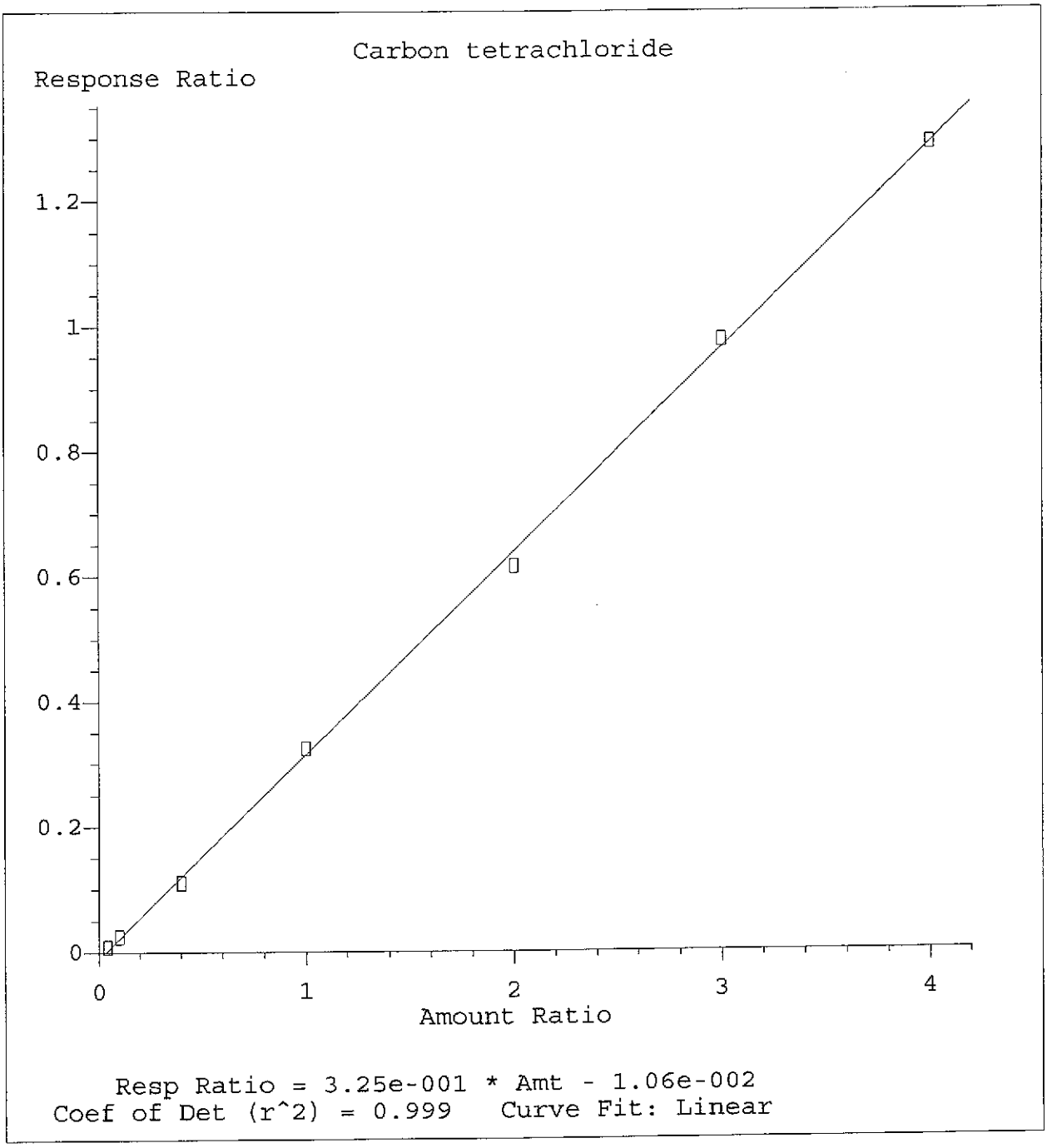
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 12:01:39 2007



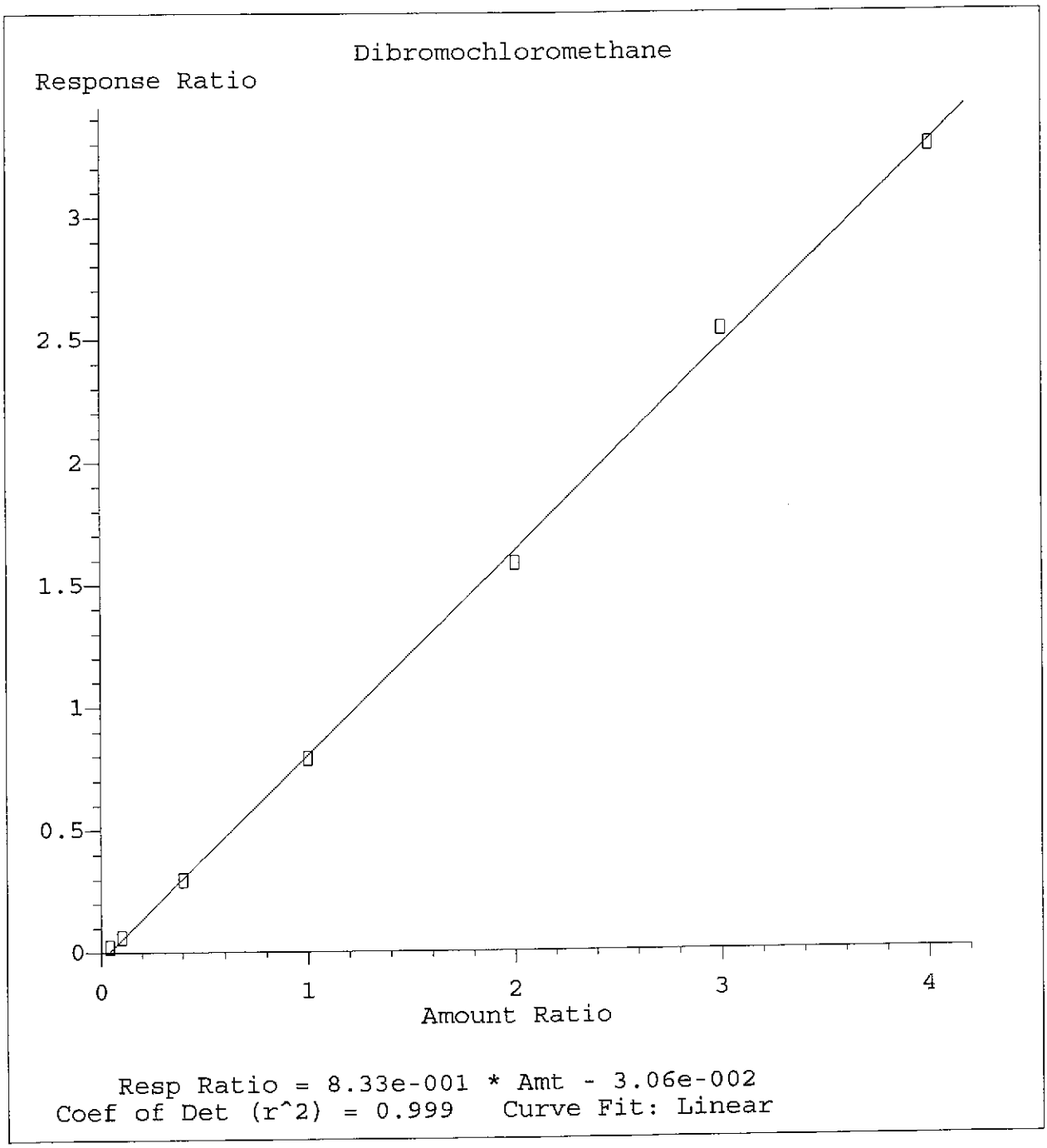
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:51:08 2007



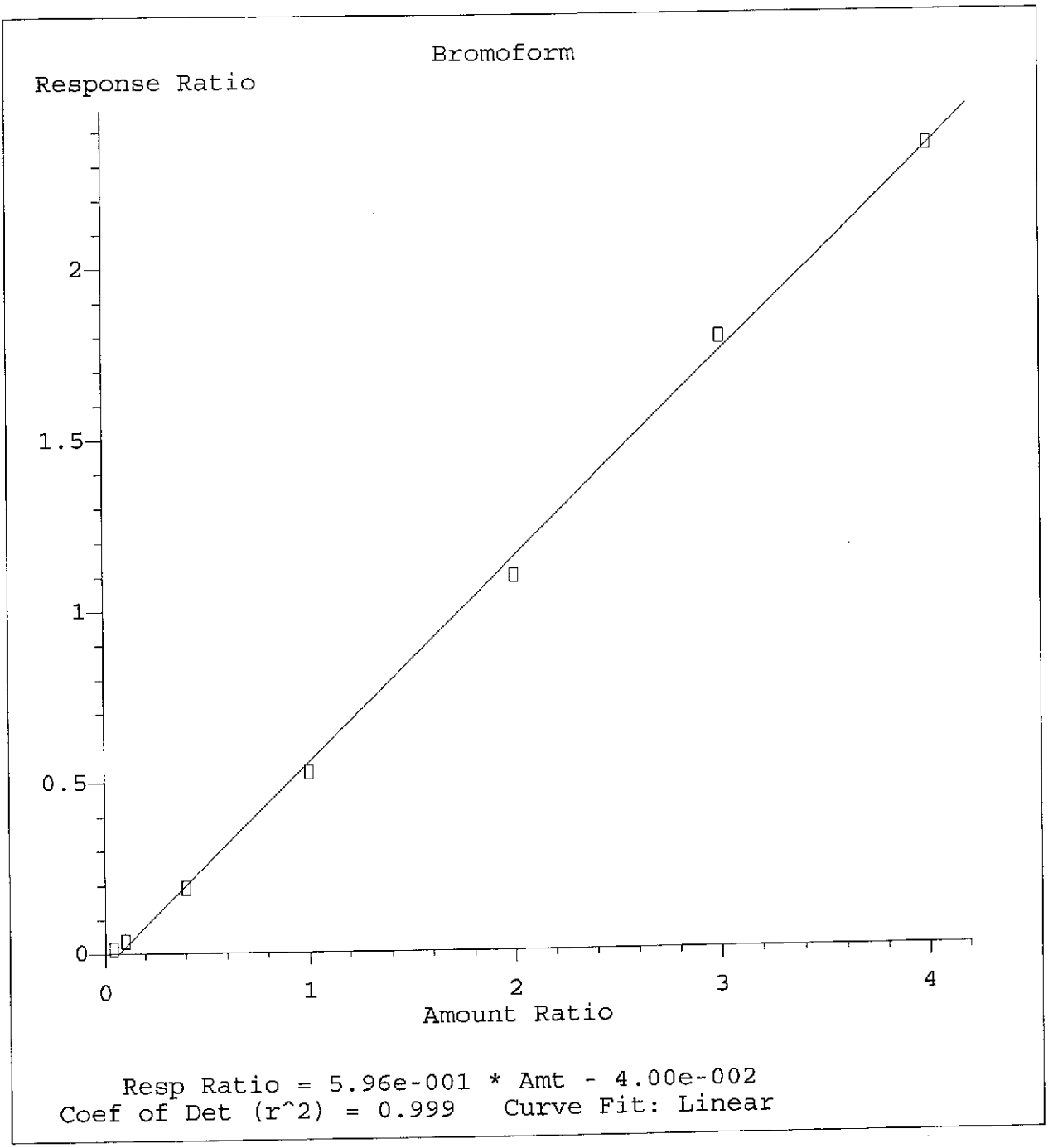
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 12:01:39 2007



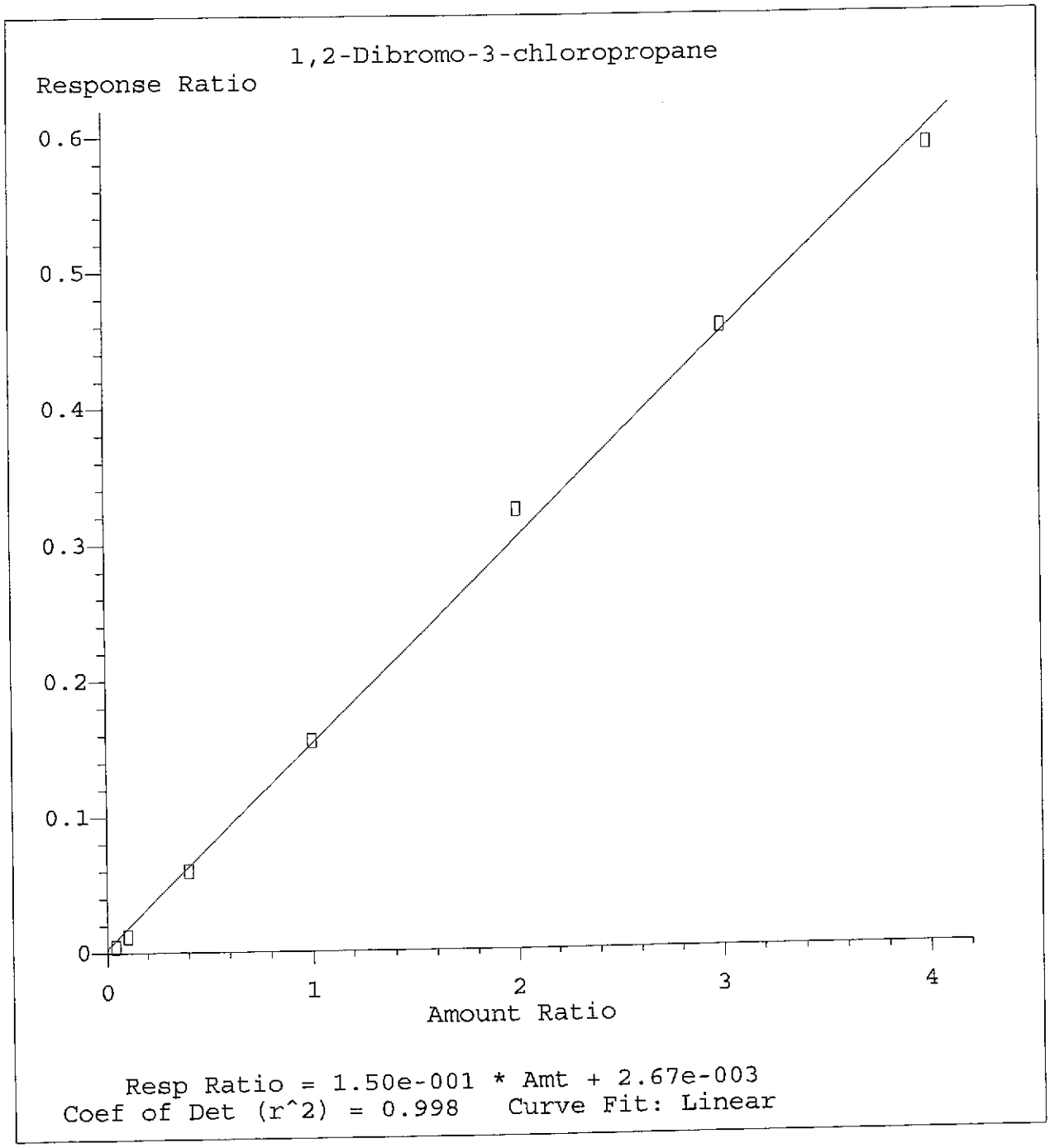
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Mon Oct 29 08:59:46 2007



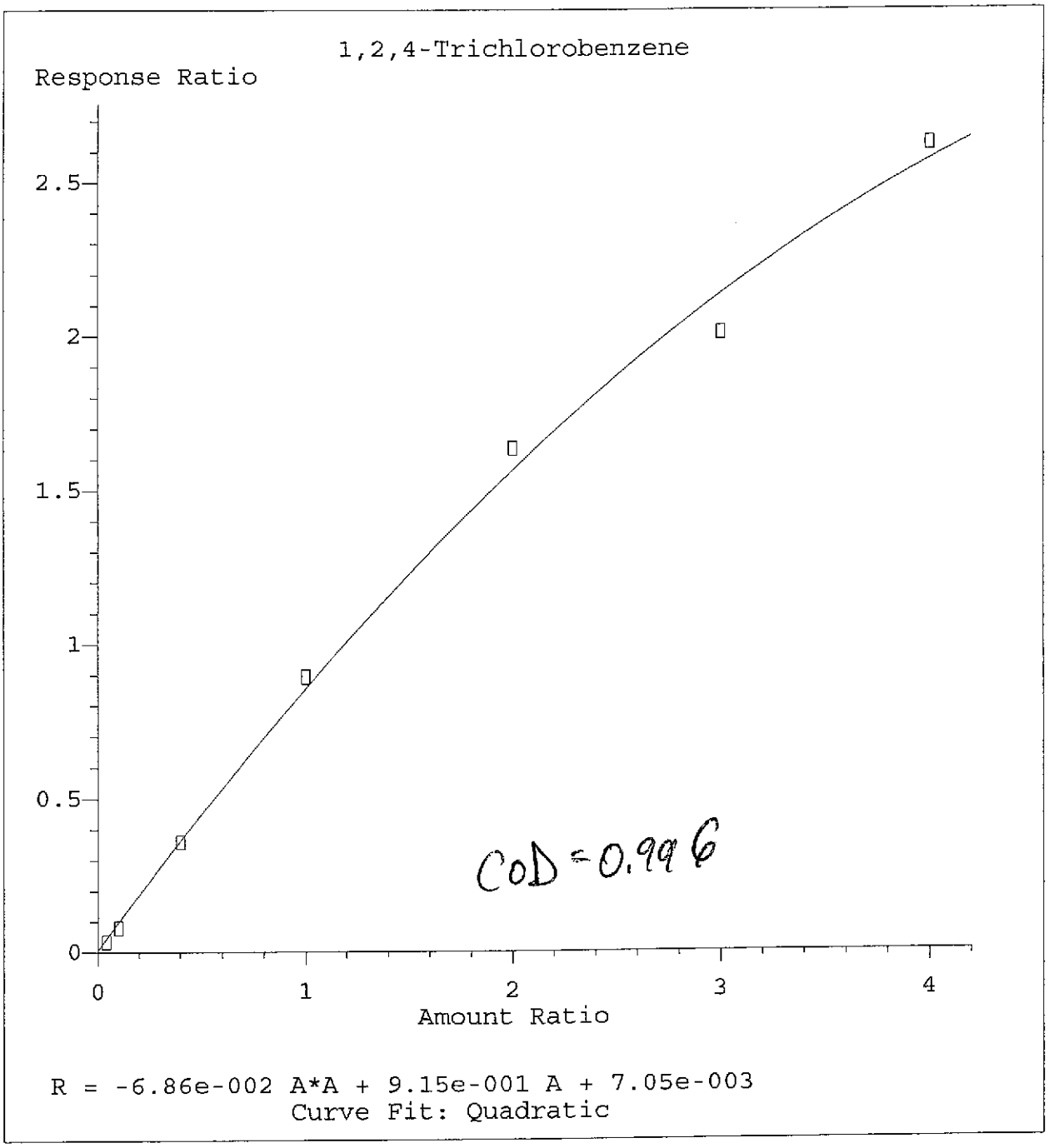
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:48:40 2007



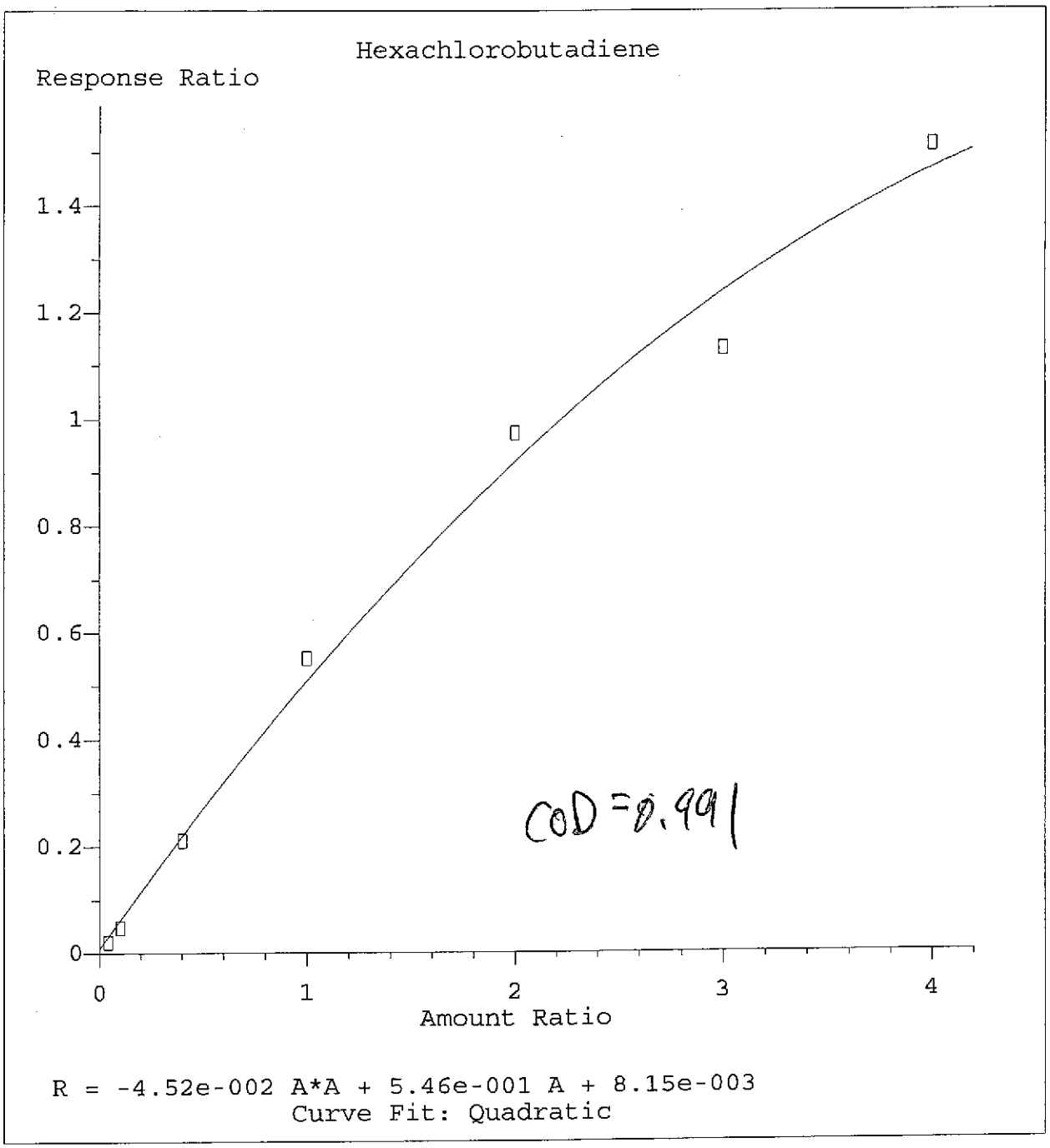
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:41:42 2007



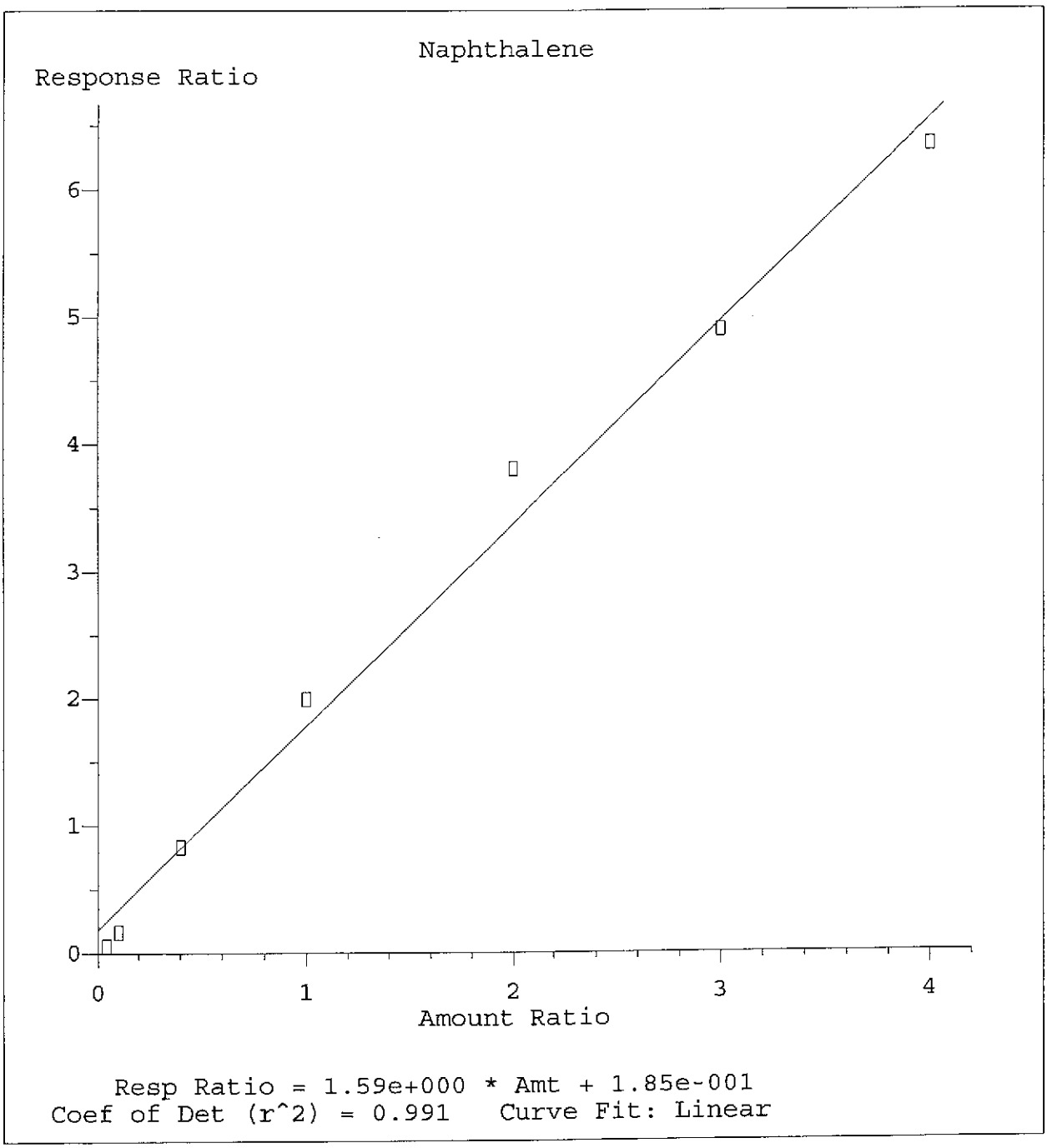
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:45:49 2007



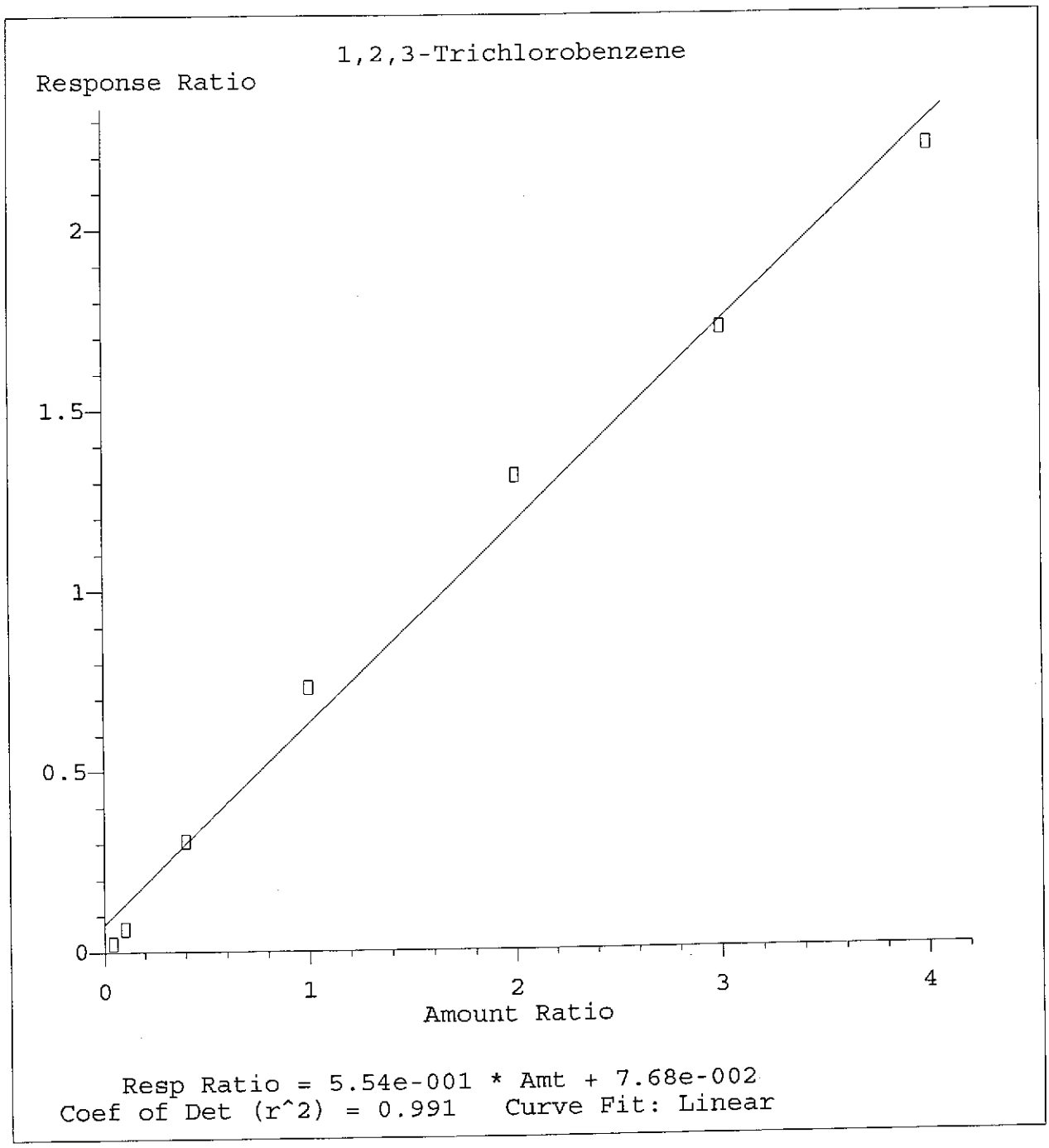
Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Mon Oct 29 09:05:57 2007



Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:46:45 2007



Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:47:18 2007



Method Name: C:\HPCHEM\1\METHODS\JO26VOCS.M
Calibration Table Last Updated: Sat Oct 27 11:47:39 2007

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R11727
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS03_10	**Initial Calibration ID:**	1107
Second Source ID:	ICV-11727	**Concentration Units (mg/L or mg/kg):**	mg/Kg

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	0.1	0.104	-3.7	
1,1,1,2-Tetrachloroethane	0.05	0.0521	-4.3	
1,1,1-Trichloroethane	0.05	0.051	-2.1	
1,1,2,2-Tetrachloroethane	0.05	0.0512	-2.5	
1,1,2-Trichloroethane	0.05	0.0507	-1.4	
1,1-Dichloroethane	0.05	0.0495	0.9	
1,1-Dichloroethene	0.05	0.0505	-1.0	
1,1-Dichloropropene	0.05	0.0518	-3.6	
1,2,3-Trichlorobenzene	0.05	0.0559	-11.8	
1,2,3-Trichloropropane	0.05	0.0494	1.1	
1,2,4-Trichlorobenzene	0.05	0.0476	4.7	
1,2,4-Trimethylbenzene	0.05	0.0487	2.6	
1,2-Dibromo-3-chloropropane	0.05	0.0494	1.2	
1,2-Dibromoethane	0.05	0.0528	-5.6	
1,2-Dichlorobenzene	0.05	0.0497	0.6	
1,2-Dichloroethane	0.05	0.0501	-0.2	
1,2-Dichloroethane-d4	0.05	0.0486	2.8	
1,2-Dichloropropane	0.05	0.0493	1.4	
1,3,5-Trimethylbenzene	0.05	0.0498	0.4	
1,3-Dichlorobenzene	0.05	0.0491	1.9	
1,3-Dichloropropane	0.05	0.0516	-3.1	
1,4-Dichlorobenzene	0.05	0.0486	2.7	
1-Chlorohexane	0.05	0.0522	-4.3	
2,2-Dichloropropane	0.05	0.0499	0.2	
2-Butanone	0.1	0.0953	4.7	
2-Chlorotoluene	0.05	0.0491	1.9	
4-Bromofluorobenzene	0.05	0.0485	3.0	
4-Chlorotoluene	0.05	0.0488	2.3	
4-Methyl-2-pentanone	0.1	0.104	-4.2	
Acetone	0.1	0.0782	21.8	
Benzene	0.05	0.051	-2.0	
Bromobenzene	0.05	0.0493	1.5	
Bromochloromethane	0.05	0.0523	-4.6	
Bromodichloromethane	0.05	0.0509	-1.8	
Bromoform	0.05	0.0477	4.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R11727
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS03_10	**Initial Calibration ID:**	1107
Second Source ID:	ICV-11727	**Concentration Units (mg/L or mg/kg):**	mg/Kg

Analyte	Expected	Found	%D	Q
Bromomethane	0.05	0.0473	5.4	
Carbon tetrachloride	0.05	0.0482	3.5	
Chlorobenzene	0.05	0.0509	-1.9	
Chloroethane	0.05	0.048	4.1	
Chloroform	0.05	0.0494	1.2	
Chloromethane	0.05	0.0499	0.1	
cis-1,2-Dichloroethene	0.05	0.0506	-1.2	
cis-1,3-Dichloropropene	0.05	0.0512	-2.4	
Dibromochloromethane	0.05	0.0486	2.7	
Dibromofluoromethane	0.05	0.0509	-1.8	
Dibromomethane	0.05	0.0517	-3.5	
Dichlorodifluoromethane	0.05	0.0511	-2.2	
Ethylbenzene	0.05	0.051	-2.1	
Hexachlorobutadiene	0.05	0.0435	12.9	
Isopropylbenzene	0.05	0.0504	-0.7	
Methyl tert-butyl ether	0.05	0.0497	0.5	
Methylene chloride	0.05	0.0505	-1.0	
n-Butylbenzene	0.05	0.0472	5.5	
n-Propylbenzene	0.05	0.0507	-1.5	
Naphthalene	0.05	0.0553	-10.6	
o-Xylene	0.05	0.0512	-2.4	
p-Isopropyltoluene	0.05	0.0484	3.3	
sec-Butylbenzene	0.05	0.049	2.1	
Styrene	0.05	0.052	-4.0	
tert-Butylbenzene	0.05	0.0491	1.8	
Tetrachloroethene	0.05	0.0516	-3.1	
Toluene	0.05	0.0499	0.2	
Toluene-d8	0.05	0.0504	-0.8	
trans-1,2-Dichloroethene	0.05	0.0513	-2.6	
trans-1,3-Dichloropropene	0.05	0.0517	-3.4	
Trichloroethene	0.05	0.0504	-0.9	
Trichlorofluoromethane	0.05	0.053	-6.0	
Vinyl chloride	0.05	0.0499	0.2	
Xylenes (total)	0.15	0.155	-3.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 GCMS#3

Initial Calibration -ID: 1107

ICV ID: ICV-11727

CCV #1 ID: CCV-11744

SEE ATTACHED

Comments:

AFCEE FORM O-5

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J4982.D
Acq On : 27 Oct 2007 11:09
Sample : CCV-11744
Misc : CCV ,8260SAF_CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\JO26AF31.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Nov 02 13:52:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	127	0.00
2		Dichlorodifluoromethane	0.293	0.303	-3.4	126	0.00
3	P	Chloromethane	0.570	0.516	9.5	117	0.00
4	CP	Vinyl chloride	0.431	0.443	-2.8	121	0.00
5		Bromomethane	0.153	0.150	2.0	131	0.00
6		Chloroethane	0.140	0.125	10.7	111	0.00
7		Trichlorofluoromethane	0.256	0.302	-18.0	139	0.00
8		Acetone	0.132	0.121	8.3	111	0.00
9	CPM	1,1-Dichloroethene	0.209	0.174	16.7	90	0.00
10		Methylene chloride	0.317	0.264	16.7	125	0.00
11		trans-1,2-Dichloroethene	0.250	0.271	-8.4	128	0.00
12		Methyl tert-Butyl ether	0.724	0.663	8.4	113	0.00
13	P	1,1-Dichloroethane	0.586	0.590	-0.7	122	0.00
		2-Butanone	0.252	0.226	10.3	114	0.00
		cis-1,2-Dichloroethene	0.289	0.301	-4.2	126	0.00
16		Bromochloromethane	0.142	0.146	-2.8	124	0.00
17	CP	Chloroform	0.406	0.409	-0.7	123	0.00
18		2,2-Dichloropropane	0.297	0.315	-6.1	123	0.00
19	S	Dibromofluoromethane	0.235	0.239	-1.7	124	0.00
20	S	1,2-Dichloroethane-d4	0.309	0.289	6.5	118	0.00
21		1,2-Dichloroethane	0.425	0.405	4.7	117	0.00
22		1,1,1-Trichloroethane	0.361	0.380	-5.3	124	0.00
23		1,1-Dichloropropene	0.312	0.346	-10.9	127	0.00
24		Carbon tetrachloride	0.290	0.318	-9.7	125	0.00
25	M	Benzene	1.076	1.119	-4.0	124	0.00
26	M	Trichloroethene	0.254	0.268	-5.5	125	0.00
27		Dibromomethane	0.153	0.148	3.3	118	0.00
28	CP	1,2-Dichloropropane	0.360	0.350	2.8	118	0.00
29		Bromodichloromethane	0.295	0.296	-0.3	120	0.00
30		4-Methyl-2-pentanone	0.492	0.457	7.1	113	0.00
31		cis-1,3-Dichloropropene	0.395	0.399	-1.0	120	0.00
32	S	Toluene-d8	0.914	0.914	0.0	120	0.00
33	CPM	Toluene	0.702	0.690	1.7	119	0.00
34		trans-1,3-Dichloropropene	0.338	0.334	1.2	116	0.00
35		1,1,2-Trichloroethane	0.193	0.184	4.7	117	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	118	0.00
37		1,2-Dibromoethane	0.681	0.705	-3.5	117	0.00
		1,3-Dichloropropane	1.105	1.129	-2.2	116	0.00
		Dibromochloromethane	0.736	0.791	-7.5	118	0.00
40		Tetrachloroethene	0.808	0.939	-16.2	126	0.00

(#) = Out of Range

ABM 11-2-07

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J4982.D
Acq On : 27 Oct 2007 11:09
Sample : CCV-11744
Misc : CCV ,8260SAF_CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\JO26AF31.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Nov 02 13:52:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		1-Chlorohexane	0.915	1.048	-14.5	121	0.00
42		1,1,1,2-Tetrachloroethane	0.709	0.768	-8.3	120	0.00
43	PM	Chlorobenzene	2.014	2.112	-4.9	117	0.00
44	CP	Ethylbenzene	3.250	3.474	-6.9	116	0.00
45		(m+p)-Xylene	1.245	1.347	-8.2	115	0.00
46		o-Xylene	1.276	1.345	-5.4	114	0.00
47		Styrene	1.926	2.044	-6.1	114	0.00
48	P	Bromoform	0.489	0.507	-3.7	113	0.00
49	S	Bromofluorobenzene	0.909	0.891	2.0	114	0.00
50	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
51	P	1,1,2,2-Tetrachloroethane	1.038	1.007	3.0	113	0.00
52		Isopropylbenzene	3.472	3.725	-7.3	116	0.00
[illegible]		1,2,3-Trichloropropane	0.870	0.804	7.6	109	0.00
[illegible]		Bromobenzene	0.999	0.993	0.6	114	0.00
55		n-Propylbenzene	3.731	4.051	-8.6	116	0.00
56		2-Chlorotoluene	2.573	2.638	-2.5	114	0.00
57		4-Chlorotoluene	2.326	2.366	-1.7	114	0.00
58		1,3,5-Trimethylbenzene	2.641	2.774	-5.0	115	0.00
59		tert-Butylbenzene	2.611	2.693	-3.1	114	0.00
60		1,2,4-Trimethylbenzene	2.495	2.553	-2.3	115	0.00
61		sec-Butylbenzene	3.601	3.832	-6.4	116	0.00
62		1,3-Dichlorobenzene	1.735	1.770	-2.0	116	0.00
63		p-Isopropyltoluene	2.934	3.097	-5.6	115	0.00
64		1,4-Dichlorobenzene	1.645	1.649	-0.2	115	0.00
65		n-Butylbenzene	2.197	2.354	-7.1	117	0.00
66		1,2-Dichlorobenzene	1.660	1.654	0.4	115	0.00
67		1,2-Dibromo-3-chloropropane	0.141	0.130	7.8	99	0.00
68		1,2,4-Trichlorobenzene	0.791	0.837	-5.8	111	0.00
69		Hexachlorobutadiene	0.472	0.502	-6.4	107	0.00
70		Naphthalene	1.761	1.711	2.8	101	0.00
71		1,2,3-Trichlorobenzene	0.648	0.656	-1.2	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J4982.D
Acq On : 27 Oct 2007 11:09
Sample : CCV-11744
Misc : CCV ,8260SAF_CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\JO26AF31.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Nov 02 13:52:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	127	0.00
2		Dichlorodifluoromethane	50.000	51.724	-3.4	126	0.00
3	P	Chloromethane	50.000	45.268	9.5	117	0.00
4	CP	Vinyl chloride	50.000	51.356	-2.7	121	0.00
5		Bromomethane	50.000	48.774	2.5	131	0.00
6		Chloroethane	50.000	44.728	10.5	111	0.00
7		Trichlorofluoromethane	50.000	58.981	-18.0	139	0.00
8		Acetone	100.000	77.809	22.2#	111	0.00
9	CPM	1,1-Dichloroethene	50.000	37.521	25.0#	90	0.00
10		Methylene chloride	50.000	49.970	0.1	125	0.00
11		trans-1,2-Dichloroethene	50.000	54.190	-8.4	128	0.00
12		Methyl tert-Butyl ether	50.000	45.784	8.4	113	0.00
13	P	1,1-Dichloroethane	50.000	50.350	-0.7	122	0.00
[illegible]		2-Butanone	100.000	89.757	10.2	114	0.00
[illegible]		cis-1,2-Dichloroethene	50.000	52.060	-4.1	126	0.00
16		Bromochloromethane	50.000	51.362	-2.7	124	0.00
17	CP	Chloroform	50.000	50.402	-0.8	123	0.00
18		2,2-Dichloropropane	50.000	53.044	-6.1	123	0.00
19	S	Dibromofluoromethane	50.000	50.790	-1.6	124	0.00
20	S	1,2-Dichloroethane-d4	50.000	46.768	6.5	118	0.00
21		1,2-Dichloroethane	50.000	47.615	4.8	117	0.00
22		1,1,1-Trichloroethane	50.000	52.625	-5.3	124	0.00
23		1,1-Dichloropropene	50.000	55.437	-10.9	127	0.00
24		Carbon tetrachloride	50.000	50.582	-1.2	125	0.00
25	M	Benzene	50.000	51.964	-3.9	124	0.00
26	M	Trichloroethene	50.000	52.834	-5.7	125	0.00
27		Dibromomethane	50.000	48.296	3.4	118	0.00
28	CP	1,2-Dichloropropane	50.000	48.587	2.8	118	0.00
29		Bromodichloromethane	50.000	50.140	-0.3	120	0.00
30		4-Methyl-2-pentanone	100.000	92.793	7.2	113	0.00
31		cis-1,3-Dichloropropene	50.000	50.545	-1.1	120	0.00
32	S	Toluene-d8	50.000	50.011	-0.0	120	0.00
33	CPM	Toluene	50.000	49.149	1.7	119	0.00
34		trans-1,3-Dichloropropene	50.000	49.545	0.9	116	0.00
35		1,1,2-Trichloroethane	50.000	47.638	4.7	117	0.00
36	I	Chlorobenzene-d5	50.000	50.000	0.0	118	0.00
37		1,2-Dibromoethane	50.000	51.801	-3.6	117	0.00
[illegible]		1,3-Dichloropropane	50.000	51.058	-2.1	116	0.00
[illegible]		Dibromochloromethane	50.000	49.293	1.4	118	0.00
40		Tetrachloroethene	50.000	58.146	-16.3	126	0.00

(#) = Out of Range

ABM 11-2-07

Data File : C:\HPCHEM\1\DATA\J4982.D
Acq On : 27 Oct 2007 11:09
Sample : CCV-11744
Misc : CCV ,8260SAF_CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\JO26AF31.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Nov 02 13:52:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		1-Chlorohexane	50.000	57.266	-14.5	121	0.00
42		1,1,1,2-Tetrachloroethane	50.000	54.184	-8.4	120	0.00
43	PM	Chlorobenzene	50.000	52.436	-4.9	117	0.00
44	CP	Ethylbenzene	50.000	53.438	-6.9	116	0.00
45		(m+p)-Xylene	100.000	108.183	-8.2	115	0.00
46		o-Xylene	50.000	52.724	-5.4	114	0.00
47		Styrene	50.000	53.062	-6.1	114	0.00
48	P	Bromoform	50.000	45.888	8.2	113	0.00
49	S	Bromofluorobenzene	50.000	49.007	2.0	114	0.00
50	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00
51	P	1,1,2,2-Tetrachloroethane	50.000	48.519	3.0	113	0.00
52		Isopropylbenzene	50.000	53.636	-7.3	116	0.00
		1,2,3-Trichloropropane	50.000	46.252	7.5	109	0.00
		Bromobenzene	50.000	49.677	0.6	114	0.00
55		n-Propylbenzene	50.000	54.287	-8.6	116	0.00
56		2-Chlorotoluene	50.000	51.267	-2.5	114	0.00
57		4-Chlorotoluene	50.000	50.863	-1.7	114	0.00
58		1,3,5-Trimethylbenzene	50.000	52.525	-5.0	115	0.00
59		tert-Butylbenzene	50.000	51.585	-3.2	114	0.00
60		1,2,4-Trimethylbenzene	50.000	51.155	-2.3	115	0.00
61		sec-Butylbenzene	50.000	53.208	-6.4	116	0.00
62		1,3-Dichlorobenzene	50.000	51.005	-2.0	116	0.00
63		p-Isopropyltoluene	50.000	52.774	-5.5	115	0.00
64		1,4-Dichlorobenzene	50.000	50.139	-0.3	115	0.00
65		n-Butylbenzene	50.000	53.566	-7.1	117	0.00
66		1,2-Dichlorobenzene	50.000	49.830	0.3	115	0.00
67		1,2-Dibromo-3-chloropropane	50.000	42.433	15.1	99	0.00
68		1,2,4-Trichlorobenzene	50.000	48.954	2.1	111	0.00
69		Hexachlorobutadiene	50.000	49.260	1.5	107	0.00
70		Naphthalene	50.000	47.928	4.1	101	0.00
71		1,2,3-Trichlorobenzene	50.000	52.238	-4.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-11744
Initial Calibration ID:	1107	**File ID:**	J4987.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.00013	0.00500	U
1,1,1,2-Tetrachloroethane	0.00016	0.00300	U
1,1,1-Trichloroethane	0.00014	0.00500	U
1,1,2,2-Tetrachloroethane	0.00014	0.00300	U
1,1,2-Trichloroethane	0.00025	0.00500	U
1,1-Dichloroethane	0.00008	0.00500	U
1,1-Dichloroethene	0.00015	0.00600	U
1,1-Dichloropropene	0.00019	0.00500	U
1,2,3-Trichlorobenzene	0.00041	0.00500	U
1,2,3-Trichloropropane	0.00023	0.00500	U
1,2,4-Trichlorobenzene	0.00033	0.00500	U
1,2,4-Trimethylbenzene	0.00006	0.00600	U
1,2-Dibromo-3-chloropropane	0.00031	0.0100	U
1,2-Dibromoethane	0.00008	0.00500	U
1,2-Dichlorobenzene	0.00006	0.00500	U
1,2-Dichloroethane	0.00011	0.00300	U
1,2-Dichloropropane	0.00022	0.00500	U
1,3,5-Trimethylbenzene	0.00008	0.00500	U
1,3-Dichlorobenzene	0.00011	0.00600	U
1,3-Dichloropropane	0.00009	0.00250	U
1,4-Dichlorobenzene	0.00006	0.00250	U
1-Chlorohexane	0.00016	0.00500	U
2,2-Dichloropropane	0.00013	0.00500	U
2-Butanone	0.00042	0.0200	U
2-Chlorotoluene	0.00004	0.00500	U
4-Chlorotoluene	0.00007	0.00500	U
4-Methyl-2-pentanone	0.00032	0.0200	U
Acetone	0.00030	0.0500	U
Benzene	0.00005	0.00250	U
Bromobenzene	0.00015	0.00500	U
Bromochloromethane	0.00020	0.00500	U
Bromodichloromethane	0.00006	0.00250	U
Bromoform	0.00017	0.00600	U
Bromomethane	0.00013	0.0100	U
Carbon tetrachloride	0.00012	0.00500	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-11744
Initial Calibration ID:	1107	**File ID:**	J4987.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.00007	0.00250	U
Chloroethane	0.00025	0.00500	U
Chloroform	0.00007	0.00250	U
Chloromethane	0.00031	0.00500	U
cis-1,2-Dichloroethene	0.00016	0.00500	U
cis-1,3-Dichloropropene	0.00009	0.00300	U
Dibromochloromethane	0.00007	0.00300	U
Dibromomethane	0.00012	0.00500	U
Dichlorodifluoromethane	0.00008	0.00500	U
Ethylbenzene	0.00013	0.00500	U
Hexachlorobutadiene	0.00038	0.00300	U
Isopropylbenzene	0.00005	0.00500	U
Methyl tert-butyl ether	0.00013	0.0200	U
Methylene chloride	0.00060	0.00500	U
n-Butylbenzene	0.00013	0.00500	U
n-Propylbenzene	0.00003	0.00500	U
Naphthalene	0.00021	0.00500	U
o-Xylene	0.00017	0.00500	U
p-Isopropyltoluene	0.00017	0.00600	U
sec-Butylbenzene	0.00005	0.00500	U
Styrene	0.00012	0.00500	U
tert-Butylbenzene	0.00008	0.00500	U
Tetrachloroethene	0.00011	0.00500	U
Toluene	0.00005	0.00500	U
trans-1,2-Dichloroethene	0.00012	0.00500	U
trans-1,3-Dichloropropene	0.00015	0.00500	U
Trichloroethene	0.00012	0.00500	U
Trichlorofluoromethane	0.00008	0.00500	U
Vinyl chloride	0.00013	0.00500	U
Xylenes (total)	0.00030	0.00500	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	88	52 - 149	
4-Bromofluorobenzene	92	84 - 118	
Dibromofluoromethane	94	65 - 135	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11744
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-11744
Initial Calibration ID:	1107	**File ID:**	J4987.D

Surrogate	Recovery	Control Limits	Qualifier
Toluene-d8	101	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	689235	349446 - 1397786	
Chlorobenzene-d5	847906	392286 - 1569146	
Fluorobenzene	2363368	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-11744 **Initial Calibration ID:** 1107

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** J4984.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	0.1	0.104	104	79 - 126	
1,1,1,2-Tetrachloroethane	0.05	0.0521	104	74 - 125	
1,1,1-Trichloroethane	0.05	0.0510	102	68 - 130	
1,1,2,2-Tetrachloroethane	0.05	0.0512	102	59 - 140	
1,1,2-Trichloroethane	0.05	0.0507	101	62 - 127	
1,1-Dichloroethane	0.05	0.0495	99	73 - 125	
1,1-Dichloroethene	0.05	0.0505	101	65 - 136	
1,1-Dichloropropene	0.05	0.0518	104	70 - 135	
1,2,3-Trichlorobenzene	0.05	0.0559	112	62 - 133	
1,2,3-Trichloropropane	0.05	0.0494	99	63 - 130	
1,2,4-Trichlorobenzene	0.05	0.0476	95	65 - 131	
1,2,4-Trimethylbenzene	0.05	0.0487	97	65 - 135	
1,2-Dibromo-3-chloropropane	0.05	0.0494	99	49 - 135	
1,2-Dibromoethane	0.05	0.0528	106	70 - 124	
1,2-Dichlorobenzene	0.05	0.0497	99	74 - 120	
1,2-Dichloroethane	0.05	0.0501	100	72 - 137	
1,2-Dichloropropane	0.05	0.0493	99	71 - 120	
1,3,5-Trimethylbenzene	0.05	0.0498	100	65 - 133	
1,3-Dichlorobenzene	0.05	0.0491	98	72 - 124	
1,3-Dichloropropane	0.05	0.0516	103	76 - 123	
1,4-Dichlorobenzene	0.05	0.0486	97	72 - 125	
1-Chlorohexane	0.05	0.0522	104	60 - 135	
2,2-Dichloropropane	0.05	0.0499	100	67 - 134	
2-Butanone	0.1	0.0953	95	40 - 135	
2-Chlorotoluene	0.05	0.0491	98	69 - 128	
4-Chlorotoluene	0.05	0.0488	98	73 - 126	
4-Methyl-2-pentanone	0.1	0.104	104	47 - 147	
Acetone	0.1	0.0782	78	40 - 141	
Benzene	0.05	0.0510	102	73 - 126	
Bromobenzene	0.05	0.0493	99	66 - 121	
Bromochloromethane	0.05	0.0523	105	71 - 127	
Bromodichloromethane	0.05	0.0509	102	72 - 128	
Bromoform	0.05	0.0477	95	66 - 137	
Bromomethane	0.05	0.0473	95	45 - 141	
Carbon tetrachloride	0.05	0.0482	96	67 - 133	
Chlorobenzene	0.05	0.0509	102	75 - 123	
Chloroethane	0.05	0.0480	96	41 - 141	
Chloroform	0.05	0.0494	99	72 - 124	
Chloromethane	0.05	0.0499	100	51 - 129	
cis-1,2-Dichloroethene	0.05	0.0506	101	67 - 125	
cis-1,3-Dichloropropene	0.05	0.0512	102	72 - 126	
Dibromochloromethane	0.05	0.0486	97	66 - 130	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-11744 **Initial Calibration ID:** 1107

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** J4984.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	0.05	0.0517	103	73 - 128	
Dichlorodifluoromethane	0.05	0.0511	102	34 - 136	
Ethylbenzene	0.05	0.0510	102	74 - 127	
Hexachlorobutadiene	0.05	0.0435	87	53 - 142	
Isopropylbenzene	0.05	0.0504	101	77 - 129	
Methyl tert-butyl ether	0.05	0.0497	99	50 - 135	
Methylene chloride	0.05	0.0505	101	63 - 137	
n-Butylbenzene	0.05	0.0472	94	65 - 138	
n-Propylbenzene	0.05	0.0507	101	63 - 135	
Naphthalene	0.05	0.0553	111	51 - 135	
o-Xylene	0.05	0.0512	102	77 - 125	
p-Isopropyltoluene	0.05	0.0484	97	75 - 133	
sec-Butylbenzene	0.05	0.0490	98	63 - 132	
Styrene	0.05	0.0520	104	74 - 128	
tert-Butylbenzene	0.05	0.0491	98	65 - 132	
Tetrachloroethene	0.05	0.0516	103	67 - 139	
Toluene	0.05	0.0499	100	71 - 127	
trans-1,2-Dichloroethene	0.05	0.0513	103	66 - 134	
trans-1,3-Dichloropropene	0.05	0.0517	103	65 - 127	
Trichloroethene	0.05	0.0504	101	77 - 124	
Trichlorofluoromethane	0.05	0.0530	106	49 - 139	
Vinyl chloride	0.05	0.0499	100	58 - 126	
Xylenes (total)	0.15	0.155	103	77 - 125	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	97	52 - 149	
4-Bromofluorobenzene	97	84 - 118	
Dibromofluoromethane	102	65 - 135	
Toluene-d8	101	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	760625	349446 - 1397786	
Chlorobenzene-d5	846814	392286 - 1569146	
Fluorobenzene	2377250	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-11744 **Initial Calibration ID:** 1107

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** J4985.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	0.1	0.107	107	79 - 126	
1,1,1,2-Tetrachloroethane	0.05	0.0499	100	74 - 125	
1,1,1-Trichloroethane	0.05	0.0516	103	68 - 130	
1,1,2,2-Tetrachloroethane	0.05	0.0434	87	59 - 140	
1,1,2-Trichloroethane	0.05	0.0457	91	62 - 127	
1,1-Dichloroethane	0.05	0.0490	98	73 - 125	
1,1-Dichloroethene	0.05	0.0516	103	65 - 136	
1,1-Dichloropropene	0.05	0.0534	107	70 - 135	
1,2,3-Trichlorobenzene	0.05	0.0538	108	62 - 133	
1,2,3-Trichloropropane	0.05	0.0419	84	63 - 130	
1,2,4-Trichlorobenzene	0.05	0.0505	101	65 - 131	
1,2,4-Trimethylbenzene	0.05	0.0507	101	65 - 135	
1,2-Dibromo-3-chloropropane	0.05	0.0423	85	49 - 135	
1,2-Dibromoethane	0.05	0.0469	94	70 - 124	
1,2-Dichlorobenzene	0.05	0.0485	97	74 - 120	
1,2-Dichloroethane	0.05	0.0460	92	72 - 137	
1,2-Dichloropropane	0.05	0.0472	94	71 - 120	
1,3,5-Trimethylbenzene	0.05	0.0517	103	65 - 133	
1,3-Dichlorobenzene	0.05	0.0498	100	72 - 124	
1,3-Dichloropropane	0.05	0.0469	94	76 - 123	
1,4-Dichlorobenzene	0.05	0.0495	99	72 - 125	
1-Chlorohexane	0.05	0.0572	114	60 - 135	
2,2-Dichloropropane	0.05	0.0521	104	67 - 134	
2-Butanone	0.1	0.0813	81	40 - 135	
2-Chlorotoluene	0.05	0.0502	100	69 - 128	
4-Chlorotoluene	0.05	0.0500	100	73 - 126	
4-Methyl-2-pentanone	0.1	0.0866	87	47 - 147	
Acetone	0.1	0.0701	70	40 - 141	
Benzene	0.05	0.0503	101	73 - 126	
Bromobenzene	0.05	0.0472	94	66 - 121	
Bromochloromethane	0.05	0.0482	96	71 - 127	
Bromodichloromethane	0.05	0.0488	98	72 - 128	
Bromoform	0.05	0.0421	84	66 - 137	
Bromomethane	0.05	0.0481	96	45 - 141	
Carbon tetrachloride	0.05	0.0498	100	67 - 133	
Chlorobenzene	0.05	0.0501	100	75 - 123	
Chloroethane	0.05	0.0464	93	41 - 141	
Chloroform	0.05	0.0483	97	72 - 124	
Chloromethane	0.05	0.0539	108	51 - 129	
cis-1,2-Dichloroethene	0.05	0.0496	99	67 - 125	
cis-1,3-Dichloropropene	0.05	0.0492	98	72 - 126	
Dibromochloromethane	0.05	0.0448	90	66 - 130	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-11744 **Initial Calibration ID:** 1107

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** J4985.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	0.05	0.0467	93	73 - 128	
Dichlorodifluoromethane	0.05	0.0538	108	34 - 136	
Ethylbenzene	0.05	0.0519	104	74 - 127	
Hexachlorobutadiene	0.05	0.0510	102	53 - 142	
Isopropylbenzene	0.05	0.0520	104	77 - 129	
Methyl tert-butyl ether	0.05	0.0446	89	50 - 135	
Methylene chloride	0.05	0.0478	96	63 - 137	
n-Butylbenzene	0.05	0.0535	107	65 - 138	
n-Propylbenzene	0.05	0.0534	107	63 - 135	
Naphthalene	0.05	0.0478	96	51 - 135	
o-Xylene	0.05	0.0525	105	77 - 125	
p-Isopropyltoluene	0.05	0.0527	105	75 - 133	
sec-Butylbenzene	0.05	0.0524	105	63 - 132	
Styrene	0.05	0.0521	104	74 - 128	
tert-Butylbenzene	0.05	0.0508	102	65 - 132	
Tetrachloroethene	0.05	0.0542	108	67 - 139	
Toluene	0.05	0.0495	99	71 - 127	
trans-1,2-Dichloroethene	0.05	0.0517	103	66 - 134	
trans-1,3-Dichloropropene	0.05	0.0478	96	65 - 127	
Trichloroethene	0.05	0.0512	102	77 - 124	
Trichlorofluoromethane	0.05	0.0556	111	49 - 139	
Vinyl chloride	0.05	0.0509	102	58 - 126	
Xylenes (total)	0.15	0.160	106	77 - 125	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	90	52 - 149	
4-Bromofluorobenzene	97	84 - 118	
Dibromofluoromethane	98	65 - 135	
Toluene-d8	101	84 - 116	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	828128	349446 - 1397786	
Chlorobenzene-d5	909274	392286 - 1569146	
Fluorobenzene	2569382	1095392 - 4381570	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-11744 **MS ID:** LCS-11744 **MSD ID:** LCSD-11744

Calibration ID: 1107

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		0.100	0.104	104	0.107	107	3	79 - 126	30	
1,1,1,2-Tetrachloroethane		0.0500	0.0521	104	0.0499	100	4	74 - 125	30	
1,1,1-Trichloroethane		0.0500	0.0510	102	0.0516	103	1	68 - 130	30	
1,1,2,2-Tetrachloroethane		0.0500	0.0512	102	0.0434	87	17	59 - 140	30	
1,1,2-Trichloroethane		0.0500	0.0507	101	0.0457	91	10	62 - 127	30	
1,1-Dichloroethane		0.0500	0.0495	99	0.0490	98	1	73 - 125	30	
1,1-Dichloroethene		0.0500	0.0505	101	0.0516	103	2	65 - 136	30	
1,1-Dichloropropene		0.0500	0.0518	104	0.0534	107	3	70 - 135	30	
1,2,3-Trichlorobenzene		0.0500	0.0559	112	0.0538	108	4	62 - 133	30	
1,2,3-Trichloropropane		0.0500	0.0494	99	0.0419	84	16	63 - 130	30	
1,2,4-Trichlorobenzene		0.0500	0.0476	95	0.0505	101	6	65 - 131	30	
1,2,4-Trimethylbenzene		0.0500	0.0487	97	0.0507	101	4	65 - 135	30	
1,2-Dibromo-3-chloropropane		0.0500	0.0494	99	0.0423	85	15	49 - 135	30	
1,2-Dibromoethane		0.0500	0.0528	106	0.0469	94	12	70 - 124	30	
1,2-Dichlorobenzene		0.0500	0.0497	99	0.0485	97	3	74 - 120	30	
1,2-Dichloroethane		0.0500	0.0501	100	0.0460	92	9	72 - 137	30	
1,2-Dichloropropane		0.0500	0.0493	99	0.0472	94	4	71 - 120	30	
1,3,5-Trimethylbenzene		0.0500	0.0498	100	0.0517	103	4	65 - 133	30	
1,3-Dichlorobenzene		0.0500	0.0491	98	0.0498	100	1	72 - 124	30	
1,3-Dichloropropane		0.0500	0.0516	103	0.0469	94	10	76 - 123	30	
1,4-Dichlorobenzene		0.0500	0.0486	97	0.0495	99	2	72 - 125	30	
1-Chlorohexane		0.0500	0.0522	104	0.0572	114	9	60 - 135	30	
2,2-Dichloropropane		0.0500	0.0499	100	0.0521	104	4	67 - 134	30	
2-Butanone		0.100	0.0953	95	0.0813	81	16	40 - 135	30	
2-Chlorotoluene		0.0500	0.0491	98	0.0502	100	2	69 - 128	30	
4-Chlorotoluene		0.0500	0.0488	98	0.0500	100	2	73 - 126	30	
4-Methyl-2-pentanone		0.100	0.104	104	0.0866	87	18	47 - 147	30	
Acetone		0.100	0.0782	78	0.0701	70	11	40 - 141	30	
Benzene		0.0500	0.0510	102	0.0503	101	1	73 - 126	30	
Bromobenzene		0.0500	0.0493	99	0.0472	94	4	66 - 121	30	
Bromochloromethane		0.0500	0.0523	105	0.0482	96	8	71 - 127	30	
Bromodichloromethane		0.0500	0.0509	102	0.0488	98	4	72 - 128	30	
Bromoform		0.0500	0.0477	95	0.0421	84	12	66 - 137	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-11744 **MS ID:** LCS-11744 **MSD ID:** LCSD-11744

Calibration ID: 1107

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		0.0500	0.0473	95	0.0481	96	2	45 - 141	30	
Carbon tetrachloride		0.0500	0.0482	96	0.0498	100	3	67 - 133	30	
Chlorobenzene		0.0500	0.0509	102	0.0501	100	2	75 - 123	30	
Chloroethane		0.0500	0.0480	96	0.0464	93	3	41 - 141	30	
Chloroform		0.0500	0.0494	99	0.0483	97	2	72 - 124	30	
Chloromethane		0.0500	0.0499	100	0.0539	108	8	51 - 129	30	
cis-1,2-Dichloroethene		0.0500	0.0506	101	0.0496	99	2	67 - 125	30	
cis-1,3-Dichloropropene		0.0500	0.0512	102	0.0492	98	4	72 - 126	30	
Dibromochloromethane		0.0500	0.0486	97	0.0448	90	8	66 - 130	30	
Dibromomethane		0.0500	0.0517	103	0.0467	93	10	73 - 128	30	
Dichlorodifluoromethane		0.0500	0.0511	102	0.0538	108	5	34 - 136	30	
Ethylbenzene		0.0500	0.0510	102	0.0519	104	2	74 - 127	30	
Hexachlorobutadiene		0.0500	0.0435	87	0.0510	102	16	53 - 142	30	
Isopropylbenzene		0.0500	0.0504	101	0.0520	104	3	77 - 129	30	
Methyl tert-butyl ether		0.0500	0.0497	99	0.0446	89	11	50 - 135	30	
Methylene chloride		0.0500	0.0505	101	0.0478	96	6	63 - 137	30	
n-Butylbenzene		0.0500	0.0472	94	0.0535	107	12	65 - 138	30	
n-Propylbenzene		0.0500	0.0507	101	0.0534	107	5	63 - 135	30	
Naphthalene		0.0500	0.0553	111	0.0478	96	15	51 - 135	30	
o-Xylene		0.0500	0.0512	102	0.0525	105	2	77 - 125	30	
p-Isopropyltoluene		0.0500	0.0484	97	0.0527	105	8	75 - 133	30	
sec-Butylbenzene		0.0500	0.0490	98	0.0524	105	7	63 - 132	30	
Styrene		0.0500	0.0520	104	0.0521	104	0	74 - 128	30	
tert-Butylbenzene		0.0500	0.0491	98	0.0508	102	4	65 - 132	30	
Tetrachloroethene		0.0500	0.0516	103	0.0542	108	5	67 - 139	30	
Toluene		0.0500	0.0499	100	0.0495	99	1	71 - 127	30	
trans-1,2-Dichloroethene		0.0500	0.0513	103	0.0517	103	1	66 - 134	30	
trans-1,3-Dichloropropene		0.0500	0.0517	103	0.0478	96	8	65 - 127	30	
Trichloroethene		0.0500	0.0504	101	0.0512	102	1	77 - 124	30	
Trichlorofluoromethane		0.0500	0.0530	106	0.0556	111	5	49 - 139	30	
Vinyl chloride		0.0500	0.0499	100	0.0509	102	2	58 - 126	30	
Xylenes (total)		0.150	0.155	103	0.160	106	3	77 - 125	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R11744

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSD0101BB	0710130-001C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.2	
TMCSD0201BB	0710130-002C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.2	
TMCSD0301BB	0710130-003C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.3	
TMCSD0401BB	0710130-004C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.4	
TMCSD0501BB	0710130-005C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.4	
TMCSD0601BB	0710130-006C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.4	
TMCSD0701BB	0710130-007C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.3	
TMCSD0801BB	0710130-008C	18-Oct-07	19-Oct-07	27-Oct-07			27-Oct-07	14	9.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS03_10 **Calibration ID:** 1107

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB102607A3	TB102607A3	26-Oct-07	10:44	26-Oct-07	11:13
ICAL 2.0 ppb	ICAL 2.0 ppb	26-Oct-07	11:13	26-Oct-07	11:48
ICAL 5.0 ppb	ICAL 5.0 ppb	26-Oct-07	11:48	26-Oct-07	12:32
ICAL 20 ppb	ICAL 20 ppb	26-Oct-07	12:32	26-Oct-07	13:07
ICAL 50 ppb	ICAL 50 ppb	26-Oct-07	13:07	26-Oct-07	13:42
ICAL 100 ppb	ICAL 100 ppb	26-Oct-07	13:42	26-Oct-07	14:17
ICAL 150 ppb	ICAL 150 ppb	26-Oct-07	14:17	26-Oct-07	14:52
ICAL 200 ppb	ICAL 200 ppb	26-Oct-07	14:52	27-Oct-07	12:18
TB102707A2	TB102707A2	27-Oct-07	10:30	27-Oct-07	11:09
CCV-11744	CCV-11744	27-Oct-07	11:09	27-Oct-07	12:18
ICV-11727	ICV-11727	27-Oct-07	12:18	27-Oct-07	12:18
LCS-11744	LCS-11744	27-Oct-07	12:18	27-Oct-07	12:54
LCSD-11744	LCSD-11744	27-Oct-07	12:54	27-Oct-07	14:04
MB-11744	MB-11744	27-Oct-07	14:04	27-Oct-07	17:34
TMCSD0101BB	0710130-001C	27-Oct-07	17:34	27-Oct-07	18:09
TMCSD0201BB	0710130-002C	27-Oct-07	18:09	27-Oct-07	18:44
TMCSD0301BB	0710130-003C	27-Oct-07	18:44	27-Oct-07	19:19
TMCSD0401BB	0710130-004C	27-Oct-07	19:19	27-Oct-07	19:54
TMCSD0501BB	0710130-005C	27-Oct-07	19:54	27-Oct-07	20:29
TMCSD0601BB	0710130-006C	27-Oct-07	20:29	27-Oct-07	21:04
TMCSD0701BB	0710130-007C	27-Oct-07	21:04	27-Oct-07	21:39
TMCSD0801BB	0710130-008C	27-Oct-07	21:39	27-Oct-07	21:39

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS03_10_071026A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS03_10	**Injection Date/Time:**	10/26/2007 10:44:00 A
Initial Calibration ID:	1107	**File ID:**	C:\HPCHEM\1\DATA\J4949.D
Compound:	SW8260B	**Sample ID:**	TB102607A3

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	25.9	
75	30 - 60% of m/z 95	41.9	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0.1	
174	Greater than 50% of m/z 95	89.6	
175	5 - 9% of m/z 174	7.0	
176	Greater than 95% but less than 101% of m/z 174	96.6	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS03_10_071027A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS03_10	**Injection Date/Time:**	10/27/2007 10:30:00 A
Initial Calibration ID:	1107	**File ID:**	C:\HPCHEM\1\DATA\J4981.D
Compound:	SW8260B	**Sample ID:**	TB102707A2

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	26.2	
75	30 - 60% of m/z 95	41.7	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	88.3	
175	5 - 9% of m/z 174	7.0	
176	Greater than 95% but less than 101% of m/z 174	97.7	
177	5 - 9% of m/z 176	6.2	

GC/MS Semivolatile Organics Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8270

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5972 GCMS#5

Date of Initial Calibration: 29OCT2007

Initial Calibration ID: 1101

Concentration Units (ug/L or mg/kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator) 11/01
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:38:19 2007
Response via : Initial Calibration

Calibration Files
160 =N8416.D 120 =N8417.D 80 =N8418.D
60 =N8419.D 50 =N8420.D 40 =N8421.D

		Compound	160	120	80	60	50	40	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)	T	1,4-Dioxane	0.617	0.595	0.602	0.615	0.637	0.630	0.633	4.94
3)	T	N-nitrosodimethylam	0.739	0.730	0.721	0.743	0.745	0.742	0.760	4.85
4)	T	Pyridine	1.289	1.265	1.246	1.282	1.283	1.291	1.302	3.46
5)	S	2-Fluorophenol	0.971	1.002	1.011	1.035	1.042	1.064	1.053	5.32
6)	S	Phenol-d5	1.190	1.230	1.251	1.263	1.286	1.300	1.287	4.89
7)	MC	Phenol	1.316	1.358	1.382	1.426	1.430	1.467	1.444	5.95
8)	T	Aniline	1.881	1.901	1.916	1.943	1.864	1.984	1.976	5.25
9)	T	bis(2-Chloroethyl)e	1.011	1.053	1.087	1.118	1.109	1.137	1.142	8.43
10)	S	2-Chlorophenol-d4	1.329	1.350	1.389	1.396	1.410	1.443	1.430	5.23
11)	M	2-Chlorophenol	1.156	1.189	1.211	1.228	1.236	1.268	1.261	6.19
12)	T	1,3-Dichlorobenzene	1.475	1.507	1.521	1.555	1.555	1.595	1.591	6.08
13)	MC	1,4-Dichlorobenzene	1.441	1.470	1.481	1.512	1.522	1.562	1.547	5.31
14)	T	Benzyl alcohol	0.835	0.845	0.839	0.851	0.848	0.836	0.860	3.12
15)	S	1,2-Dichlorobenzene	0.796	0.815	0.830	0.845	0.859	0.866	0.870	6.72
16)	T	1,2-Dichlorobenzene	1.344	1.372	1.383	1.422	1.422	1.468	1.462	6.88
17)	T	2-Methylphenol	1.052	1.066	1.078	1.111	1.105	1.136	1.132	5.95
18)	T	2,2'-oxybis(1-chlor	1.186	1.224	1.234	1.248	1.255	1.274	1.273	5.33
19)	T	bis(2-Chloroisoprop	1.186	1.224	1.234	1.248	1.255	1.274	1.273	5.33
20)	T	4-Methylphenol	1.246	1.256	1.212	1.225	1.207	1.229	1.260	4.09
21)	T	(3+4)-Methylphenol	1.245	1.258	1.212	1.225	1.207	1.229	1.260	4.09
22)	MP	N-Nitroso-di-n-prop	0.867	0.888	0.897	0.911	0.926	0.924	0.922	4.14
23)	T	Hexachloroethane	0.533	0.540	0.548	0.554	0.557	0.563	0.568	5.39
24)	I	Naphthalene-d8	ISTD							
25)	S	Nitrobenzene-d5	0.330	0.346	0.346	0.349	0.355	0.349	0.350	2.87
26)	T	Nitrobenzene	0.373	0.396	0.400	0.406	0.410	0.410	0.408	4.24
27)	T	Isophorone	0.681	0.717	0.709	0.717	0.727	0.709	0.723	3.52
28)	TC	2-Nitrophenol	0.227	0.240	0.241	0.247	0.251	0.251	0.246	3.67
29)	T	2,4-Dimethylphenol	0.294	0.310	0.305	0.311	0.286	0.314	0.312	5.47
30)	T	Benzoic acid	0.343	0.357	0.303	0.298	0.300	0.276	0.305	11.66
31)	T	bis(2-Chloroethoxy)	0.355	0.373	0.373	0.380	0.383	0.385	0.394	8.22
32)	TC	2,4-Dichlorophenol	0.331	0.353	0.349	0.354	0.363	0.362	0.357	3.39
33)	M	1,2,4-Trichlorobenz	0.359	0.376	0.372	0.379	0.387	0.385	0.385	4.18
34)	T	Naphthalene	0.892	0.919	0.917	0.945	0.960	0.970	0.968	6.02
35)	T	4-Chloroaniline	0.457	0.484	0.485	0.496	0.497	0.512	0.506	6.20
36)	TC	Hexachlorobutadiene	0.220	0.230	0.228	0.230	0.230	0.230	0.232	2.91
37)	MC	4-Chloro-3-methylph	0.293	0.306	0.304	0.307	0.310	0.309	0.309	2.76
38)	T	2-Methylnaphthalene	0.724	0.758	0.756	0.761	0.779	0.787	0.791	6.40
39)	I	Acenaphthene-d10	ISTD							
40)	T	1,2,4,5-Tetrachloro	0.524	0.531	0.543	0.555	0.559	0.567	0.564	4.81
41)	TP	Hexachlorocyclopent	0.471	0.466	0.464	0.478	0.481	0.482	0.472	1.70

(#) = Out of Range ### Number of calibration levels exceeded format ###

10/31/07

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:38:19 2007
Response via : Initial Calibration

Calibration Files
160 =N8416.D 120 =N8417.D 80 =N8418.D
60 =N8419.D 50 =N8420.D 40 =N8421.D

		Compound	160	120	80	60	50	40	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.420	0.426	0.421	0.433	0.432	0.439	0.430	1.69
43)	T	2,4,5-Trichlorophen	0.492	0.495	0.506	0.519	0.516	0.521	0.515	2.78
44)	S	2-Fluorobiphenyl	1.097	1.105	1.113	1.163	1.155	1.199	1.170	5.03
45)	T	2-Chloronaphthalene	1.115	1.132	1.124	1.178	1.172	1.214	1.188	5.05
46)	T	2-Nitroaniline	0.426	0.429	0.427	0.438	0.438	0.437	0.431	1.44
47)	T	Dimethyl phthalate	1.370	1.388	1.393	1.437	1.425	1.459	1.444	4.08
48)	T	2,6-Dinitrotoluene	0.348	0.361	0.361	0.371	0.370	0.372	0.362	2.91
49)	T	Acenaphthylene	1.689	1.721	1.756	1.847	1.813	1.907	1.855	6.64
50)	T	3-Nitroaniline	0.427	0.436	0.440	0.455	0.461	0.472	0.452	3.49
51)	TCM	Acenaphthene	0.996	1.011	1.024	1.065	1.071	1.094	1.076	5.45
52)	TP	2,4-Dinitrophenol	0.245	0.255	0.233	0.227	0.227	0.209	0.224	12.42
53)	MP	4-Nitrophenol	0.219	0.218	0.208	0.208	0.206	0.207	0.209	3.76
54)	M	2,4-Dinitrotoluene	0.454	0.458	0.462	0.474	0.478	0.478	0.457	5.57
55)	T	Dibenzofuran	1.848	1.853	1.855	1.938	1.944	1.989	1.955	4.75
56)	T	Diethyl phthalate	1.374	1.381	1.380	1.429	1.419	1.449	1.435	3.68
57)	T	4-Chlorophenyl phen	0.641	0.640	0.630	0.659	0.643	0.658	0.654	2.61
58)	T	Fluorene	1.221	1.225	1.211	1.259	1.253	1.274	1.270	4.02
59)	T	4-Nitroaniline	0.459	0.469	0.463	0.477	0.475	0.479	0.467	2.12
60)	T	1,2-Diphenylhydrazi	1.290	1.297	1.308	1.346	1.349	1.385	1.373	5.65
61)	S	2,4,6-Tribromopheno	0.296	0.304	0.310	0.318	0.316	0.321	0.309	2.90
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	T	4,6-Dinitro-2-methy	0.171	0.183	0.176	0.170	0.177	0.168	0.171	6.32
64)	TC	n-Nitrosodiphenylam	0.502	0.524	0.522	0.525	0.546	0.546	0.543	4.97
65)	T	4-Bromophenyl pheny	0.261	0.271	0.267	0.270	0.272	0.274	0.276	4.15
66)	T	Hexachlorobenzene	0.310	0.326	0.329	0.332	0.340	0.353	0.345	7.05
67)	MC	Pentachlorophenol	0.235	0.245	0.239	0.236	0.241	0.241	0.239	1.58
68)	T	Phenanthrene	0.925	0.957	0.946	0.961	0.970	0.989	0.988	5.00
69)	T	Anthracene	0.908	0.965	0.960	0.977	0.996	1.016	1.012	7.09
70)	T	Carbazole	0.898	0.943	0.933	0.947	0.956	0.999	0.980	6.05
71)	T	Di-n-butyl phthalat	1.264	1.319	1.313	1.317	1.351	1.388	1.377	6.44
72)	TC	Fluoranthene	0.963	1.016	1.015	1.028	1.037	1.064	1.059	6.23
73)	I	Chrysene-d12	----------ISTD----------							
74)	T	Benzidine	0.310	0.352	0.357	0.390	0.289	0.402	0.358	12.76
75)	M	Pyrene	1.167	1.187	1.160	1.160	1.206	1.207	1.194	2.40
76)	S	Terphenyl-d14	0.823	0.837	0.841	0.839	0.864	0.869	0.863	3.57
77)	T	Butyl benzyl phthal	0.673	0.679	0.670	0.667	0.689	0.689	0.686	2.22
78)	T	3,3'-Dichlorobenzid	0.463	0.473	0.480	0.490	0.499	0.506	0.485	2.79
79)	T	Benzo[a]anthracene	1.043	1.061	1.055	1.074	1.086	1.089	1.091	3.65
80)	T	bis(2-Ethylhexyl)ph	0.870	0.867	0.872	0.855	0.878	0.880	0.888	3.26
81)	T	Chrysene	0.960	0.972	0.969	0.988	0.988	1.024	1.004	3.53
82)	TC	Di-n-octyl phthalat	1.561	1.542	1.534	1.539	1.561	1.594	1.568	1.74
83)	T	Indeno[1,2,3-cd]pyr	0.830	0.912	1.056	1.111	1.126	1.149	1.060	10.66

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:38:19 2007
Response via : Initial Calibration

Calibration Files
160 =N8416.D 120 =N8417.D 80 =N8418.D
60 =N8419.D 50 =N8420.D 40 =N8421.D

		Compound	160	120	80	60	50	40	Avg	%RSD
84)	I	Perylene-d12	----------ISTD----------							
85)	T	Benzo[b]fluoranthen	1.271	1.267	1.123	1.084	1.119	1.127	1.160	5.69
86)	T	Benzo[k]fluoranthen	0.880	0.892	1.016	1.060	1.072	1.058	1.035	8.75
87)	TC	Benzo[a]pyrene	0.990	0.998	1.000	1.002	1.008	1.024	1.013	1.70
88)	T	Dibenz[a,h]anthrace	0.719	0.764	0.849	0.877	0.898	0.910	0.856	8.04
89)	T	Benzo[g,h,i]perylen	0.670	0.718	0.827	0.880	0.898	0.910	0.847	10.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:40:59 2007
Response via : Initial Calibration

Calibration Files
20 =N8422.D 10 =N8423.D 5.0 =N8424.D
1.0 =N8425.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD					
2)	T	1,4-Dioxane	0.644	0.670	0.691			
3)	T	N-nitrosodimethylam	0.782	0.813	0.822			
4)	T	Pyridine	1.326	1.337	1.396			
5)	S	2-Fluorophenol	1.096	1.114	1.142			
6)	S	Phenol-d5	1.326	1.341	1.399			
7)	MC	Phenol	1.515	1.516	1.586			
8)	T	Aniline	2.024	2.111	2.159			
9)	T	bis(2-Chloroethyl)e	1.193	1.255	1.311			
10)	S	2-Chlorophenol-d4	1.485	1.523	1.544			
11)	M	2-Chlorophenol	1.327	1.350	1.388			
12)	T	1,3-Dichlorobenzene	1.631	1.703	1.772			
13)	MC	1,4-Dichlorobenzene	1.615	1.652	1.668			
14)	T	Benzyl alcohol	0.889	0.890	0.905			
15)	S	1,2-Dichlorobenzene	0.912	0.941	0.968			
16)	T	1,2-Dichlorobenzene	1.535	1.581	1.634			
17)	T	2-Methylphenol	1.194	1.213	1.236			
18)	T	2,2'-oxybis(1-chlor	1.278	1.355	1.406			
19)	T	bis(2-Chloroisoprop	1.278	1.355	1.406			
20)	T	4-Methylphenol	1.284	1.323	1.356			
21)	T	(3+4)-Methylphenol	1.284	1.323	1.356			
22)	MP	N-Nitroso-di-n-prop	0.937	0.954	0.996			
23)	T	Hexachloroethane	0.592	0.610	0.617			
24)	I	Naphthalene-d8	ISTD					
25)	S	Nitrobenzene-d5	0.353	0.365	0.360			
26)	T	Nitrobenzene	0.413	0.427	0.433			
27)	T	Isophorone	0.723	0.760	0.762			
28)	TC	2-Nitrophenol	0.251	0.257	0.251			
29)	T	2,4-Dimethylphenol	0.317	0.328	0.344			
30)	T	Benzoic acid	0.255					
31)	T	bis(2-Chloroethoxy)	0.405	0.448	0.445			
32)	TC	2,4-Dichlorophenol	0.365	0.372	0.365			
33)	M	1,2,4-Trichlorobenz	0.392	0.405	0.410			
34)	T	Naphthalene	0.997	1.043	1.066			
35)	T	4-Chloroaniline	0.524	0.550	0.551			
36)	TC	Hexachlorobutadiene	0.232	0.243	0.240			
37)	MC	4-Chloro-3-methylph	0.314	0.324	0.315			
38)	T	2-Methylnaphthalene	0.819	0.863	0.874			
39)	I	Acenaphthene-d10	ISTD					
40)	T	1,2,4,5-Tetrachloro	0.570	0.588	0.596	0.607		
41)	TP	Hexachlorocyclopent	0.473	0.461				

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:40:59 2007
Response via : Initial Calibration

Calibration Files
20 =N8422.D 10 =N8423.D 5.0 =N8424.D
1.0 =N8425.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.435	0.437	0.422			
43)	T	2,4,5-Trichlorophen	0.521	0.535	0.527			
44)	S	2-Fluorobiphenyl	1.195	1.241	1.261			
45)	T	2-Chloronaphthalene	1.211	1.261	1.284			
46)	T	2-Nitroaniline	0.429	0.435	0.421			
47)	T	Dimethyl phthalate	1.460	1.539	1.525			
48)	T	2,6-Dinitrotoluene	0.365	0.365	0.342			
49)	T	Acenaphthylene	1.918	2.002	2.044			
50)	T	3-Nitroaniline	0.463	0.469	0.443			
51)	TCM	Acenaphthene	1.111	1.161	1.149			
52)	TP	2,4-Dinitrophenol	0.170					
53)	MP	4-Nitrophenol	0.196					
54)	M	2,4-Dinitrotoluene	0.460	0.449	0.395			
55)	T	Dibenzofuran	2.008	2.047	2.111			
56)	T	Diethyl phthalate	1.467	1.520	1.497			
57)	T	4-Chlorophenyl phen	0.660	0.669	0.685			
58)	T	Fluorene	1.296	1.334	1.358			
59)	T	4-Nitroaniline	0.474	0.460	0.450			
60)	T	1,2-Diphenylhydrazi	1.400	1.457	1.521			
61)	S	2,4,6-Tribromopheno	0.314	0.307	0.297			
62)	I	Phenanthrene-d10	----------ISTD------					
63)	T	4,6-Dinitro-2-methy	0.149					
64)	TC	n-Nitrosodiphenylam	0.562	0.578	0.581			
65)	T	4-Bromophenyl pheny	0.282	0.288	0.298			
66)	T	Hexachlorobenzene	0.361	0.374	0.384			
67)	MC	Pentachlorophenol	0.236					
68)	T	Phenanthrene	1.022	1.051	1.070			
69)	T	Anthracene	1.065	1.090	1.135			
70)	T	Carbazole	1.014	1.047	1.081			
71)	T	Di-n-butyl phthalat	1.422	1.497	1.525			
72)	TC	Fluoranthene	1.103	1.137	1.170			
73)	I	Chrysene-d12	----------ISTD------					
74)	T	Benzidine	0.408					
75)	M	Pyrene	1.194	1.225	1.241			
76)	S	Terphenyl-d14	0.883	0.899	0.913			
77)	T	Butyl benzyl phthal	0.692	0.706	0.709			
78)	T	3,3'-Dichlorobenzid	0.496	0.482	0.480			
79)	T	Benzo[a]anthracene	1.113	1.135	1.164			
80)	T	bis(2-Ethylhexyl)ph	0.902	0.925	0.941			
81)	T	Chrysene	1.029	1.044	1.057			
82)	TC	Di-n-octyl phthalat	1.586	1.609	1.591			
83)	T	Indeno[1,2,3-cd]pyr	1.154	1.099	1.103			

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO29FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 31 12:40:59 2007
Response via : Initial Calibration

Calibration Files
20 =N8422.D 10 =N8423.D 5.0 =N8424.D
1.0 =N8425.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
84)	I	Perylene-d12	----------ISTD----------					
85)	T	Benzo[b]fluoranthen	1.129	1.161	1.159			
86)	T	Benzo[k]fluoranthen	1.091	1.112	1.130			
87)	TC	Benzo[a]pyrene	1.033	1.029	1.035			
88)	T	Dibenz[a,h]anthrace	0.920	0.889	0.877			
89)	T	Benzo[g,h,i]perylen	0.922	0.896	0.901			

(#) = Out of Range ### Number of calibration levels exceeded format ###

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8270C	**AAB #:**	R11717
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS05_26	**Initial Calibration ID:**	1101
Second Source ID:	ICV-102907	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
1,2,4-Trichlorobenzene	50000	48000	3.9	
1,2-Dichlorobenzene	50000	49000	2.0	
1,3-Dichlorobenzene	50000	48000	4.3	
1,4-Dichlorobenzene	50000	48000	4.3	
2,4,5-Trichlorophenol	50000	46000	7.5	
2,4,6-Trichlorophenol	50000	49000	1.7	
2,4-Dichlorophenol	50000	49000	1.6	
2,4-Dimethylphenol	50000	50000	-0.7	
2,4-Dinitrophenol	50000	48000	4.0	
2,4-Dinitrotoluene	50000	51000	-2.4	
2,6-Dinitrotoluene	50000	50000	0.8	
2-Chloronaphthalene	50000	49000	2.4	
2-Chlorophenol	50000	50000	0.5	
2-Methylnaphthalene	50000	46000	8.8	
2-Methylphenol	50000	45000	9.2	
2-Nitroaniline	50000	47000	6.2	
2-Nitrophenol	50000	49000	1.7	
3,3´-Dichlorobenzidine	50000	52000	-3.3	
3-Nitroaniline	50000	48000	4.3	
4,6-Dinitro-2-methylphenol	50000	50000	0.9	
4-Bromophenyl phenyl ether	50000	49000	2.6	
4-Chloro-3-methylphenol	50000	49000	1.7	
4-Chloroaniline	50000	47000	6.7	
4-Chlorophenyl phenyl ether	50000	49000	2.1	
4-Methylphenol	50000	45000	9.8	
4-Nitroaniline	50000	49000	1.5	
4-Nitrophenol	50000	49000	1.2	
Acenaphthene	50000	50000	0.4	
Acenaphthylene	50000	49000	1.2	
Anthracene	50000	49000	1.6	
Benzo[a]anthracene	50000	49000	1.5	
Benzo[a]pyrene	50000	50000	0.8	
Benzo[b]fluoranthene	50000	47000	5.0	
Benzo[g,h,i]perylene	50000	54000	-7.5	
Benzo[k]fluoranthene	50000	51000	-1.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8270C	**AAB #:**	R11717
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS05_26	**Initial Calibration ID:**	1101
Second Source ID:	ICV-102907	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Benzoic acid	50000	44000	11.8	
Benzyl alcohol	50000	46000	8.7	
bis(2-Chloroethoxy)methane	50000	47000	6.8	
bis(2-chloroethyl)ether	50000	48000	4.7	
bis(2-chloroisopropyl)ether	50000	46000	7.4	
bis(2-Ethylhexyl)phthalate	50000	49000	2.6	
Butyl benzyl phthalate	50000	50000	0.5	
Chrysene	50000	50000	0.7	
Di-n-butyl phthalate	50000	49000	1.9	
Di-n-octyl phthalate	50000	49000	1.1	
Dibenz[a,h]anthracene	50000	52000	-3.9	
Dibenzofuran	50000	47000	5.2	
Diethyl phthalate	50000	50000	0.5	
Dimethyl phthalate	50000	49000	2.5	
Fluoranthene	50000	49000	2.4	
Fluorene	50000	50000	-0.1	
Hexachlorobenzene	50000	49000	2.3	
Hexachlorobutadiene	50000	48000	3.3	
Hexachlorocyclopentadiene	50000	50000	-0.2	
Hexachloroethane	50000	47000	6.0	
Indeno[1,2,3-cd]pyrene	50000	54000	-7.1	
Isophorone	50000	48000	3.8	
N-Nitroso-di-n-propylamine	50000	48000	4.1	
N-Nitrosodiphenylamine	50000	50000	0	
Naphthalene	50000	49000	2.3	
Nitrobenzene	50000	48000	4.7	
Pentachlorophenol	50000	50000	0.6	
Phenanthrene	50000	50000	0.6	
Phenol	50000	50000	-1.0	
Pyrene	50000	50000	0.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8270 AAB #:

Lab Name: Life Science Laboratories, Inc. Contract #:

Instrument ID: HP5972 GCMS #5(26) Initial Calibration ID: N1029FULL.M/1101

ICV ID: ICV-102907 CCV #1 ID:CC110207A5 CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N8445.D
Acq On : 2 Nov 2007 13:04
Sample : CC110207A5
Misc : CCV ,8270SAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO29AF40.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Nov 05 08:17:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2	S	2-Fluorophenol	1.053	1.084	-2.9	103	0.00
3	S	Phenol-d5	1.287	1.290	-0.2	100	0.00
4	MC	Phenol	1.444	1.481	-2.6	103	0.00
5	T	bis(2-Chloroethyl)ether	1.142	1.122	1.8	101	0.00
6	M	2-Chlorophenol	1.261	1.269	-0.6	102	0.00
7	T	1,3-Dichlorobenzene	1.591	1.558	2.1	100	0.00
8	MC	1,4-Dichlorobenzene	1.547	1.538	0.6	101	0.00
9	T	Benzyl alcohol	0.860	0.848	1.4	100	0.00
10	T	1,2-Dichlorobenzene	1.462	1.457	0.3	102	0.00
11	T	2-Methylphenol	1.132	1.093	3.4	98	0.00
12	T	2,2'-oxybis(1-chloropropane	1.273	1.202	5.6	95	0.00
13	T	bis(2-Chloroisopropyl)ether	1.273	1.202	5.6	95	0.00
14	T	4-Methylphenol	1.260	1.183	6.1	97	0.00
	MP	N-Nitroso-di-n-propylamine	0.922	0.925	-0.3	99	0.00
16	T	Hexachloroethane	0.568	0.565	0.5	101	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
18	S	Nitrobenzene-d5	0.350	0.342	2.3	97	0.00
19	T	Nitrobenzene	0.408	0.405	0.7	100	0.00
20	T	Isophorone	0.723	0.710	1.8	99	0.00
21	TC	2-Nitrophenol	0.246	0.249	-1.2	100	0.00
22	T	2,4-Dimethylphenol	0.312	0.260	16.7	92	0.00
23	T	Benzoic acid	0.305	0.271	11.1	91	0.00
24	T	bis(2-Chloroethoxy)methane	0.394	0.379	3.8	100	0.00
25	TC	2,4-Dichlorophenol	0.357	0.352	1.4	98	0.00
26	M	1,2,4-Trichlorobenzene	0.385	0.370	3.9	97	0.00
27	T	Naphthalene	0.968	0.955	1.3	100	0.00
28	T	4-Chloroaniline	0.506	0.494	2.4	100	0.00
29	TC	Hexachlorobutadiene	0.232	0.219	5.6	96	0.00
30	MC	4-Chloro-3-methylphenol	0.309	0.304	1.6	99	0.00
31	T	2-Methylnaphthalene	0.791	0.775	2.0	100	0.00
32	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
33	TC	2,4,6-Trichlorophenol	0.430	0.428	0.5	97	0.00
34	T	2,4,5-Trichlorophenol	0.515	0.514	0.2	97	0.00
35	S	2-Fluorobiphenyl	1.170	1.166	0.3	99	0.00
36	T	2-Chloronaphthalene	1.188	1.195	-0.6	99	0.00
37	T	2-Nitroaniline	0.431	0.440	-2.1	98	0.00
	T	Dimethyl phthalate	1.444	1.464	-1.4	100	0.00
	T	2,6-Dinitrotoluene	0.362	0.385	-6.4	102	0.00

(#) = Out of Range

11/5/07

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N8445.D
Acq On : 2 Nov 2007 13:04
Sample : CC110207A5
Misc : CCV ,8270SAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO29AF40.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Nov 05 08:17:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	Acenaphthylene	1.855	1.869	-0.8	101	0.00
41	T	3-Nitroaniline	0.452	0.475	-5.1	101	0.00
42	TCM	Acenaphthene	1.076	1.090	-1.3	99	0.00
43	TP	2,4-Dinitrophenol	0.224	0.239	-6.7	103	0.00
44	MP	4-Nitrophenol	0.209	0.207	1.0	98	0.00
45	M	2,4-Dinitrotoluene	0.457	0.494	-8.1	101	0.00
46	T	Dibenzofuran	1.955	1.935	1.0	97	0.00
47	T	Diethyl phthalate	1.435	1.456	-1.5	100	0.00
48	T	4-Chlorophenyl phenyl ether	0.654	0.647	1.1	98	0.00
49	T	Fluorene	1.270	1.275	-0.4	99	0.00
50	T	4-Nitroaniline	0.467	0.490	-4.9	101	0.00
51	S	2,4,6-Tribromophenol	0.309	0.314	-1.6	97	0.00
[illegible]	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
	T	4,6-Dinitro-2-methylphenol	0.171	0.186	-8.8	103	0.00
54	TC	n-Nitrosodiphenylamine	0.543	0.547	-0.7	99	0.00
55	T	4-Bromophenyl phenyl ether	0.276	0.272	1.4	98	0.00
56	T	Hexachlorobenzene	0.345	0.340	1.4	98	0.00
57	MC	Pentachlorophenol	0.239	0.243	-1.7	99	0.00
58	T	Phenanthrene	0.988	0.995	-0.7	101	0.00
59	T	Anthracene	1.012	0.984	2.8	97	0.00
60	T	Di-n-butyl phthalate	1.377	1.403	-1.9	102	0.00
61	TC	Fluoranthene	1.059	1.038	2.0	98	0.00
62	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
63	M	Pyrene	1.194	1.180	1.2	98	0.00
64	S	Terphenyl-d14	0.863	0.857	0.7	100	0.00
65	T	Butyl benzyl phthalate	0.686	0.707	-3.1	103	0.00
66	T	3,3'-Dichlorobenzidine	0.485	0.488	-0.6	98	0.00
67	T	Benzo[a]anthracene	1.091	1.096	-0.5	101	0.00
68	T	bis(2-Ethylhexyl)phthalate	0.888	0.899	-1.2	103	0.00
69	T	Chrysene	1.004	1.010	-0.6	103	0.00
70	TC	Di-n-octyl phthalate	1.568	1.632	-4.1	105	0.00
71	T	Indeno[1,2,3-cd]pyrene	1.060	1.128	-6.4	100	0.00
72	I	Perylene-d12	1.000	1.000	0.0	102	0.00
73	T	Benzo[b]fluoranthene	1.160	1.102	5.0	101	0.00
74	T	Benzo[k]fluoranthene	1.035	1.062	-2.6	101	0.00
75	TC	Benzo[a]pyrene	1.013	1.002	1.1	102	0.00
[illegible]	T	Dibenz[a,h]anthracene	0.856	0.873	-2.0	100	0.00
[illegible]	T	Benzo[g,h,i]perylene	0.847	0.893	-5.4	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6458
Initial Calibration ID:	1101	**File ID:**	N8446.D

Analyte	Method Blank	RL	Q
1,2,4-Trichlorobenzene	0.0021	0.70	U
1,2-Dichlorobenzene	0.0028	0.70	U
1,3-Dichlorobenzene	0.0035	0.70	U
1,4-Dichlorobenzene	0.0049	0.70	U
2,4,5-Trichlorophenol	0.021	3.3	U
2,4,6-Trichlorophenol	0.0057	0.30	U
2,4-Dichlorophenol	0.0038	0.30	U
2,4-Dimethylphenol	0.0082	0.30	U
2,4-Dinitrophenol	0.33	3.3	U
2,4-Dinitrotoluene	0.0048	0.70	U
2,6-Dinitrotoluene	0.0056	0.70	U
2-Chloronaphthalene	0.0037	0.70	U
2-Chlorophenol	0.0051	0.30	U
2-Methylnaphthalene	0.0016	0.70	U
2-Methylphenol	0.0037	0.30	U
2-Nitroaniline	0.0059	3.3	U
2-Nitrophenol	0.013	0.30	U
3,3´-Dichlorobenzidine	0.040	1.3	U
3-Nitroaniline	0.040	3.3	U
4,6-Dinitro-2-methylphenol	0.17	3.3	U
4-Bromophenyl phenyl ether	0.0052	0.70	U
4-Chloro-3-methylphenol	0.010	1.3	U
4-Chloroaniline	0.040	1.3	U
4-Chlorophenyl phenyl ether	0.0041	0.70	U
4-Methylphenol	0.0029	2.0	U
4-Nitroaniline	0.040	3.3	U
4-Nitrophenol	0.067	1.6	U
Acenaphthene	0.0033	0.70	U
Acenaphthylene	0.0040	0.70	U
Anthracene	0.0023	0.70	U
Benzo[a]anthracene	0.0035	0.70	U
Benzo[a]pyrene	0.010	0.70	U
Benzo[b]fluoranthene	0.012	0.70	U
Benzo[g,h,i]perylene	0.013	0.70	U
Benzo[k]fluoranthene	0.011	0.70	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6458
Initial Calibration ID:	1101	**File ID:**	N8446.D

Analyte	Method Blank	RL	Q
Benzoic acid	0.37	5.0	U
Benzyl alcohol	0.0053	1.3	U
bis(2-Chloroethoxy)methane	0.0031	0.70	U
bis(2-chloroethyl)ether	0.0051	0.70	U
bis(2-chloroisopropyl)ether	0.0057	0.70	U
bis(2-Ethylhexyl)phthalate	0.015	0.70	U
Butyl benzyl phthalate	0.013	0.70	U
Chrysene	0.0028	0.70	U
Di-n-butyl phthalate	0.085	0.70	U
Di-n-octyl phthalate	0.0020	0.70	U
Dibenz[a,h]anthracene	0.013	0.70	U
Dibenzofuran	0.0046	0.70	U
Diethyl phthalate	0.034	0.70	F
Dimethyl phthalate	0.0034	0.70	U
Fluoranthene	0.010	0.70	U
Fluorene	0.0034	0.70	U
Hexachlorobenzene	0.0054	0.70	U
Hexachlorobutadiene	0.0030	0.70	U
Hexachloroethane	0.040	0.70	U
Indeno[1,2,3-cd]pyrene	0.013	0.70	U
Isophorone	0.0028	0.70	U
N-Nitroso-di-n-propylamine	0.013	0.70	U
N-Nitrosodiphenylamine	0.0022	0.70	U
Naphthalene	0.0025	0.70	U
Nitrobenzene	0.0036	0.70	U
Pentachlorophenol	0.33	3.3	U
Phenanthrene	0.0015	0.70	U
Phenol	0.0031	0.30	U
Pyrene	0.0022	0.70	U

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	66	36 - 126	
2-Fluorobiphenyl	87	43 - 120	
2-Fluorophenol	72	37 - 120	
Nitrobenzene-d5	87	37 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6458
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6458
Initial Calibration ID:	1101	**File ID:**	N8446.D

Surrogate	Recovery	Control Limits	Qualifier
Phenol-d5	80	40 - 120	
Terphenyl-d14	82	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	245781	114755 - 459020	
Acenaphthene-d10	452982	212442 - 849766	
Chrysene-d12	706000	329718 - 1318872	
Naphthalene-d8	825746	373748 - 1494990	
Perylene-d12	679564	339818 - 1359272	
Phenanthrene-d10	746384	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6458 **Initial Calibration ID:** 1101

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** N8447.D

Analyte	Expected	Found	%R	Control Limits	Q
1,2,4-Trichlorobenzene	1.667	1.4	82	44 - 125	
1,2-Dichlorobenzene	1.667	1.4	85	45 - 125	
1,3-Dichlorobenzene	1.667	1.4	82	39 - 125	
1,4-Dichlorobenzene	1.667	1.4	82	35 - 125	
2,4,5-Trichlorophenol	1.667	1.4	83	49 - 125	
2,4,6-Trichlorophenol	1.667	1.5	88	43 - 125	
2,4-Dichlorophenol	1.667	1.4	86	45 - 125	
2,4-Dimethylphenol	1.667	1.1	67	32 - 125	
2,4-Dinitrophenol	1.667	0.94	57	25 - 132	
2,4-Dinitrotoluene	1.667	1.6	96	48 - 125	
2,6-Dinitrotoluene	1.667	1.6	94	48 - 125	
2-Chloronaphthalene	1.667	1.4	86	45 - 125	
2-Chlorophenol	1.667	1.5	90	44 - 125	
2-Methylnaphthalene	1.667	1.3	80	47 - 125	
2-Methylphenol	1.667	1.4	83	40 - 125	
2-Nitroaniline	1.667	1.4	85	44 - 125	
2-Nitrophenol	1.667	1.5	88	42 - 125	
3,3'-Dichlorobenzidine	1.667	0.80	48	25 - 128	
3-Nitroaniline	1.667	0.84	50	27 - 125	
4,6-Dinitro-2-methylphenol	1.667	1.4	83	29 - 137	
4-Bromophenyl phenyl ether	1.667	1.5	88	46 - 125	
4-Chloro-3-methylphenol	1.667	1.5	88	46 - 125	
4-Chloroaniline	1.667	0.39	23	25 - 125	*
4-Chlorophenyl phenyl ether	1.667	1.4	85	47 - 125	
4-Methylphenol	1.667	1.3	80	41 - 125	
4-Nitroaniline	1.667	1.3	80	34 - 125	
4-Nitrophenol	1.667	1.5	87	25 - 138	
Acenaphthene	1.667	1.5	88	46 - 125	
Acenaphthylene	1.667	1.5	87	44 - 125	
Anthracene	1.667	1.5	92	53 - 125	
Benzo[a]anthracene	1.667	1.6	94	52 - 125	
Benzo[a]pyrene	1.667	1.6	94	50 - 125	
Benzo[b]fluoranthene	1.667	1.5	90	45 - 125	
Benzo[g,h,i]perylene	1.667	1.6	95	38 - 126	
Benzo[k]fluoranthene	1.667	1.6	98	45 - 125	
Benzoic acid	1.667	1.0	62	25 - 125	
Benzyl alcohol	1.667	1.4	84	25 - 125	
bis(2-Chloroethoxy)methane	1.667	1.4	85	43 - 125	
bis(2-chloroethyl)ether	1.667	1.4	84	38 - 125	
bis(2-chloroisopropyl)ether	1.667	1.4	83	25 - 125	
bis(2-Ethylhexyl)phthalate	1.667	1.6	98	47 - 127	
Butyl benzyl phthalate	1.667	1.6	95	49 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6458 **Initial Calibration ID:** 1101

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** N8447.D

Analyte	Expected	Found	%R	Control Limits	Q
Chrysene	1.667	1.5	93	53 - 125	
Di-n-butyl phthalate	1.667	1.6	96	56 - 125	
Di-n-octyl phthalate	1.667	1.6	97	41 - 132	
Dibenz[a,h]anthracene	1.667	1.6	95	41 - 125	
Dibenzofuran	1.667	1.4	83	51 - 125	
Diethyl phthalate	1.667	1.6	95	50 - 125	
Dimethyl phthalate	1.667	1.5	89	49 - 125	
Fluoranthene	1.667	1.5	93	54 - 125	
Fluorene	1.667	1.4	86	49 - 125	
Hexachlorobenzene	1.667	1.5	91	47 - 125	
Hexachlorobutadiene	1.667	1.3	81	40 - 125	
Hexachloroethane	1.667	1.4	82	34 - 125	
Indeno[1,2,3-cd]pyrene	1.667	1.6	94	38 - 125	
Isophorone	1.667	1.4	83	43 - 125	
N-Nitroso-di-n-propylamine	1.667	1.4	82	40 - 125	
N-Nitrosodiphenylamine	1.667	1.6	95	49 - 125	
Naphthalene	1.667	1.4	85	40 - 125	
Nitrobenzene	1.667	1.4	83	41 - 125	
Pentachlorophenol	1.667	1.4	82	25 - 125	
Phenanthrene	1.667	1.5	92	50 - 125	
Phenol	1.667	1.4	84	39 - 125	
Pyrene	1.667	1.5	93	46 - 125	

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	88	36 - 126	
2-Fluorobiphenyl	87	43 - 120	
2-Fluorophenol	83	37 - 120	
Nitrobenzene-d5	86	37 - 120	
Phenol-d5	83	40 - 120	
Terphenyl-d14	87	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	240537	114755 - 459020	
Acenaphthene-d10	445638	212442 - 849766	
Chrysene-d12	701011	329718 - 1318872	
Naphthalene-d8	809620	373748 - 1494990	
Perylene-d12	713315	339818 - 1359272	
Phenanthrene-d10	748595	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6458 **Initial Calibration ID:** 1101

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** N8448.D

Analyte	Expected	Found	%R	Control Limits	Q
1,2,4-Trichlorobenzene	1.667	1.5	88	44 - 125	
1,2-Dichlorobenzene	1.667	1.5	92	45 - 125	
1,3-Dichlorobenzene	1.667	1.5	87	39 - 125	
1,4-Dichlorobenzene	1.667	1.5	88	35 - 125	
2,4,5-Trichlorophenol	1.667	1.5	89	49 - 125	
2,4,6-Trichlorophenol	1.667	1.6	94	43 - 125	
2,4-Dichlorophenol	1.667	1.5	93	45 - 125	
2,4-Dimethylphenol	1.667	1.2	74	32 - 125	
2,4-Dinitrophenol	1.667	0.97	58	25 - 132	
2,4-Dinitrotoluene	1.667	1.6	98	48 - 125	
2,6-Dinitrotoluene	1.667	1.7	100	48 - 125	
2-Chloronaphthalene	1.667	1.5	92	45 - 125	
2-Chlorophenol	1.667	1.6	97	44 - 125	
2-Methylnaphthalene	1.667	1.5	87	47 - 125	
2-Methylphenol	1.667	1.5	89	40 - 125	
2-Nitroaniline	1.667	1.5	90	44 - 125	
2-Nitrophenol	1.667	1.6	94	42 - 125	
3,3'-Dichlorobenzidine	1.667	0.83	50	25 - 128	
3-Nitroaniline	1.667	0.88	53	27 - 125	
4,6-Dinitro-2-methylphenol	1.667	1.4	86	29 - 137	
4-Bromophenyl phenyl ether	1.667	1.6	95	46 - 125	
4-Chloro-3-methylphenol	1.667	1.5	93	46 - 125	
4-Chloroaniline	1.667	0.40	24	25 - 125	*
4-Chlorophenyl phenyl ether	1.667	1.5	90	47 - 125	
4-Methylphenol	1.667	1.4	86	41 - 125	
4-Nitroaniline	1.667	1.4	84	34 - 125	
4-Nitrophenol	1.667	1.5	89	25 - 138	
Acenaphthene	1.667	1.6	94	46 - 125	
Acenaphthylene	1.667	1.6	93	44 - 125	
Anthracene	1.667	1.6	97	53 - 125	
Benzo[a]anthracene	1.667	1.6	97	52 - 125	
Benzo[a]pyrene	1.667	1.6	98	50 - 125	
Benzo[b]fluoranthene	1.667	1.6	95	45 - 125	
Benzo[g,h,i]perylene	1.667	1.6	99	38 - 126	
Benzo[k]fluoranthene	1.667	1.7	102	45 - 125	
Benzoic acid	1.667	1.0	61	25 - 125	
Benzyl alcohol	1.667	1.5	90	25 - 125	
bis(2-Chloroethoxy)methane	1.667	1.5	92	43 - 125	
bis(2-chloroethyl)ether	1.667	1.5	91	38 - 125	
bis(2-chloroisopropyl)ether	1.667	1.5	90	25 - 125	
bis(2-Ethylhexyl)phthalate	1.667	1.7	104	47 - 127	
Butyl benzyl phthalate	1.667	1.7	100	49 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6458 **Initial Calibration ID:** 1101

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** N8448.D

Analyte	Expected	Found	%R	Control Limits	Q
Chrysene	1.667	1.6	98	53 - 125	
Di-n-butyl phthalate	1.667	1.7	103	56 - 125	
Di-n-octyl phthalate	1.667	1.7	102	41 - 132	
Dibenz[a,h]anthracene	1.667	1.6	98	41 - 125	
Dibenzofuran	1.667	1.5	88	51 - 125	
Diethyl phthalate	1.667	1.6	99	50 - 125	
Dimethyl phthalate	1.667	1.6	95	49 - 125	
Fluoranthene	1.667	1.6	98	54 - 125	
Fluorene	1.667	1.5	90	49 - 125	
Hexachlorobenzene	1.667	1.6	95	47 - 125	
Hexachlorobutadiene	1.667	1.4	86	40 - 125	
Hexachloroethane	1.667	1.4	87	34 - 125	
Indeno[1,2,3-cd]pyrene	1.667	1.6	97	38 - 125	
Isophorone	1.667	1.5	90	43 - 125	
N-Nitroso-di-n-propylamine	1.667	1.5	89	40 - 125	
N-Nitrosodiphenylamine	1.667	1.7	99	49 - 125	
Naphthalene	1.667	1.5	91	40 - 125	
Nitrobenzene	1.667	1.5	89	41 - 125	
Pentachlorophenol	1.667	1.4	87	25 - 125	
Phenanthrene	1.667	1.6	97	50 - 125	
Phenol	1.667	1.5	91	39 - 125	
Pyrene	1.667	1.6	97	46 - 125	

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	89	36 - 126	
2-Fluorobiphenyl	90	43 - 120	
2-Fluorophenol	85	37 - 120	
Nitrobenzene-d5	90	37 - 120	
Phenol-d5	87	40 - 120	
Terphenyl-d14	88	32 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	223987	114755 - 459020	
Acenaphthene-d10	413293	212442 - 849766	
Chrysene-d12	636416	329718 - 1318872	
Naphthalene-d8	747054	373748 - 1494990	
Perylene-d12	643805	339818 - 1359272	
Phenanthrene-d10	683088	366838 - 1467354	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6458 **MS ID:** LCS-6458 **MSD ID:** LCSD-6458

Calibration ID: 1101

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
1,2,4-Trichlorobenzene		1.7	1.4	82	1.5	88	8	44 - 125	30	
1,2-Dichlorobenzene		1.7	1.4	85	1.5	92	7	45 - 125	30	
1,3-Dichlorobenzene		1.7	1.4	82	1.5	87	6	39 - 125	30	
1,4-Dichlorobenzene		1.7	1.4	82	1.5	88	7	35 - 125	30	
2,4,5-Trichlorophenol		1.7	1.4	83	1.5	89	8	49 - 125	30	
2,4,6-Trichlorophenol		1.7	1.5	88	1.6	94	7	43 - 125	30	
2,4-Dichlorophenol		1.7	1.4	86	1.5	93	7	45 - 125	30	
2,4-Dimethylphenol		1.7	1.1	67	1.2	74	11	32 - 125	30	
2,4-Dinitrophenol		1.7	0.94	57	0.97	58	3	25 - 132	30	
2,4-Dinitrotoluene		1.7	1.6	96	1.6	98	2	48 - 125	30	
2,6-Dinitrotoluene		1.7	1.6	94	1.7	100	6	48 - 125	30	
2-Chloronaphthalene		1.7	1.4	86	1.5	92	7	45 - 125	30	
2-Chlorophenol		1.7	1.5	90	1.6	97	7	44 - 125	30	
2-Methylnaphthalene		1.7	1.3	80	1.5	87	8	47 - 125	30	
2-Methylphenol		1.7	1.4	83	1.5	89	7	40 - 125	30	
2-Nitroaniline		1.7	1.4	85	1.5	90	6	44 - 125	30	
2-Nitrophenol		1.7	1.5	88	1.6	94	7	42 - 125	30	
3,3'-Dichlorobenzidine		1.7	0.80	48	0.83	50	4	25 - 128	30	
3-Nitroaniline		1.7	0.84	50	0.88	53	6	27 - 125	30	
4,6-Dinitro-2-methylphenol		1.7	1.4	83	1.4	86	4	29 - 137	30	
4-Bromophenyl phenyl ether		1.7	1.5	88	1.6	95	8	46 - 125	30	
4-Chloro-3-methylphenol		1.7	1.5	88	1.5	93	5	46 - 125	30	
4-Chloroaniline		1.7	0.39	23	0.40	24	2	25 - 125	30	
4-Chlorophenyl phenyl ether		1.7	1.4	85	1.5	90	5	47 - 125	30	
4-Methylphenol		1.7	1.3	80	1.4	86	7	41 - 125	30	
4-Nitroaniline		1.7	1.3	80	1.4	84	5	34 - 125	30	
4-Nitrophenol		1.7	1.5	87	1.5	89	2	25 - 138	30	
Acenaphthene		1.7	1.5	88	1.6	94	7	46 - 125	30	
Acenaphthylene		1.7	1.5	87	1.6	93	6	44 - 125	30	
Anthracene		1.7	1.5	92	1.6	97	6	53 - 125	30	
Benzo[a]anthracene		1.7	1.6	94	1.6	97	4	52 - 125	30	
Benzo[a]pyrene		1.7	1.6	94	1.6	98	4	50 - 125	30	
Benzo[b]fluoranthene		1.7	1.5	90	1.6	95	6	45 - 125	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6458 **MS ID:** LCS-6458 **MSD ID:** LCSD-6458

Calibration ID: 1101

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Benzo[g,h,i]perylene		1.7	1.6	95	1.6	99	4	38 - 126	30	
Benzo[k]fluoranthene		1.7	1.6	98	1.7	102	3	45 - 125	30	
Benzoic acid		1.7	1.0	62	1.0	61	2	25 - 125	30	
Benzyl alcohol		1.7	1.4	84	1.5	90	7	25 - 125	30	
bis(2-Chloroethoxy)methane		1.7	1.4	85	1.5	92	8	43 - 125	30	
bis(2-chloroethyl)ether		1.7	1.4	84	1.5	91	8	38 - 125	30	
bis(2-chloroisopropyl)ether		1.7	1.4	83	1.5	90	7	25 - 125	30	
bis(2-Ethylhexyl)phthalate		1.7	1.6	98	1.7	104	6	47 - 127	30	
Butyl benzyl phthalate		1.7	1.6	95	1.7	100	5	49 - 125	30	
Chrysene		1.7	1.5	93	1.6	98	6	53 - 125	30	
Di-n-butyl phthalate		1.7	1.6	96	1.7	103	6	56 - 125	30	
Di-n-octyl phthalate		1.7	1.6	97	1.7	102	5	41 - 132	30	
Dibenz[a,h]anthracene		1.7	1.6	95	1.6	98	3	41 - 125	30	
Dibenzofuran		1.7	1.4	83	1.5	88	6	51 - 125	30	
Diethyl phthalate		1.7	1.6	95	1.6	99	4	50 - 125	30	
Dimethyl phthalate		1.7	1.5	89	1.6	95	6	49 - 125	30	
Fluoranthene		1.7	1.5	93	1.6	98	6	54 - 125	30	
Fluorene		1.7	1.4	86	1.5	90	5	49 - 125	30	
Hexachlorobenzene		1.7	1.5	91	1.6	95	4	47 - 125	30	
Hexachlorobutadiene		1.7	1.3	81	1.4	86	6	40 - 125	30	
Hexachloroethane		1.7	1.4	82	1.4	87	5	34 - 125	30	
Indeno[1,2,3-cd]pyrene		1.7	1.6	94	1.6	97	3	38 - 125	30	
Isophorone		1.7	1.4	83	1.5	90	9	43 - 125	30	
N-Nitroso-di-n-propylamine		1.7	1.4	82	1.5	89	7	40 - 125	30	
N-Nitrosodiphenylamine		1.7	1.6	95	1.7	99	5	49 - 125	30	
Naphthalene		1.7	1.4	85	1.5	91	7	40 - 125	30	
Nitrobenzene		1.7	1.4	83	1.5	89	8	41 - 125	30	
Pentachlorophenol		1.7	1.4	82	1.4	87	6	25 - 125	30	
Phenanthrene		1.7	1.5	92	1.6	97	5	50 - 125	30	
Phenol		1.7	1.4	84	1.5	91	8	39 - 125	30	
Pyrene		1.7	1.5	93	1.6	97	4	46 - 125	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8270C **AAB #:** 6458

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	25-Oct-07	14	6.9	02-Nov-07	40	8.3	
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	25-Oct-07	14	6.8	02-Nov-07	40	8.3	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	25-Oct-07	14	7	02-Nov-07	40	8.3	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	25-Oct-07	14	7	02-Nov-07	40	8.3	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	25-Oct-07	14	7	02-Nov-07	40	8.5	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	25-Oct-07	14	6.9	02-Nov-07	40	8.5	
TMCSD0601BB DL	0710130-006BDL	18-Oct-07	19-Oct-07	25-Oct-07	14	6.9	02-Nov-07	40	8.4	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	25-Oct-07	14	6.8	02-Nov-07	40	8.5	
TMCSD0701BB DL	0710130-007BDL	18-Oct-07	19-Oct-07	25-Oct-07	14	6.8	02-Nov-07	40	8.4	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	25-Oct-07	14	6.8	02-Nov-07	40	8.6	
TMCSD0801BB DL	0710130-008BDL	18-Oct-07	19-Oct-07	25-Oct-07	14	6.8	02-Nov-07	40	8.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8270C **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS05_26 **Calibration ID:** 1101

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TD102907A5	TD102907A5	29-Oct-07	8:04	29-Oct-07	8:25
SSTD160PPM	SSTD160PPM	29-Oct-07	8:25	29-Oct-07	9:03
SSTD120PPM	SSTD120PPM	29-Oct-07	9:03	29-Oct-07	9:41
SSTD080PPM	SSTD080PPM	29-Oct-07	9:41	29-Oct-07	10:19
SSTD060PPM	SSTD060PPM	29-Oct-07	10:19	29-Oct-07	10:56
SSTD050PPM	SSTD050PPM	29-Oct-07	10:56	29-Oct-07	11:34
SSTD040PPM	SSTD040PPM	29-Oct-07	11:34	29-Oct-07	12:12
SSTD020PPM	SSTD020PPM	29-Oct-07	12:12	29-Oct-07	12:50
SSTD010PPM	SSTD010PPM	29-Oct-07	12:50	29-Oct-07	13:28
SSTD005PPM	SSTD005PPM	29-Oct-07	13:28	29-Oct-07	14:06
SSTD001PPM	SSTD001PPM	29-Oct-07	14:06	29-Oct-07	14:44
ICV-102907	ICV-102907	29-Oct-07	14:44	29-Oct-07	15:22
SSTD160PPM O	SSTD160PPM OLM	29-Oct-07	15:22	29-Oct-07	16:00
SSTD120PPM O	SSTD120PPM OLM	29-Oct-07	16:00	29-Oct-07	16:38
SSTD080PPM O	SSTD080PPM OLM	29-Oct-07	16:38	29-Oct-07	17:16
SSTD050PPM O	SSTD050PPM OLM	29-Oct-07	17:16	29-Oct-07	17:54
SSTD040PPM O	SSTD040PPM OLM	29-Oct-07	17:54	29-Oct-07	18:32
SSTD020PPM O	SSTD020PPM OLM	29-Oct-07	18:32	29-Oct-07	19:11
SSTD010PPM O	SSTD010PPM OLM	29-Oct-07	19:11	29-Oct-07	19:49
SSTD005PPM O	SSTD005PPM OLM	29-Oct-07	19:49	29-Oct-07	19:49
TD110207A5	TD110207A5	02-Nov-07	12:43	02-Nov-07	13:04
CC110207A5	CC110207A5	02-Nov-07	13:04	02-Nov-07	13:42
MB-6458	MB-6458	02-Nov-07	13:42	02-Nov-07	14:20
LCS-6458	LCS-6458	02-Nov-07	14:20	02-Nov-07	14:58
LCSD-6458	LCSD-6458	02-Nov-07	14:58	02-Nov-07	15:36
TMCSD0101BB	0710130-001B	02-Nov-07	15:36	02-Nov-07	16:14
TMCSD0201BB	0710130-002B	02-Nov-07	16:14	02-Nov-07	16:52
TMCSD0301BB	0710130-003B	02-Nov-07	16:52	02-Nov-07	17:30
TMCSD0401BB	0710130-004B	02-Nov-07	17:30	02-Nov-07	18:47
TMCSD0601BB DL	0710130-006BDL	02-Nov-07	18:47	02-Nov-07	19:25
TMCSD0701BB DL	0710130-007BDL	02-Nov-07	19:25	02-Nov-07	20:03
TMCSD0801BB DL	0710130-008BDL	02-Nov-07	20:03	02-Nov-07	20:41
TMCSD0501BB	0710130-005B	02-Nov-07	20:41	02-Nov-07	21:20
TMCSD0601BB	0710130-006B	02-Nov-07	21:20	02-Nov-07	21:58
TMCSD0701BB	0710130-007B	02-Nov-07	21:58	02-Nov-07	22:36
TMCSD0801BB	0710130-008B	02-Nov-07	22:36	02-Nov-07	22:36

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8270C	**AAB #:**	MS05_26_071029A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS05_26	**Injection Date/Time:**	10/29/2007 8:04:00 AM
Initial Calibration ID:	1101	**File ID:**	C:\HPCHEM\1\DATA\N8415.D
Compound:	SW8270C	**Sample ID:**	TD102907A5

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60% of mass 198	41.7	
68	Less than 2% of mass 69	0	
69	Mass 69 relative abundance	59.7	
70	Less than 2% of mass 69	0.2	
127	40 - 60% of mass 198	47.0	
197	Less than 1% of mass 198	0	
198	Base peak, 100% relative abundance	100	
199	5 - 9% of mass 198	6.8	
275	10 - 30% of mass 198	25.4	
365	Greater than 1 % of mass 198	2.0	
441	Present, but less than mass 443	8.1	
442	Greater than 40% of mass 198	53.9	
443	17 - 23% of mass 442	19.3	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8270C	**AAB #:**	MS05_26_071102A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS05_26	**Injection Date/Time:**	11/2/2007 12:43:00 PM
Initial Calibration ID:	1101	**File ID:**	C:\HPCHEM\1\DATA\N8444.D
Compound:	SW8270C	**Sample ID:**	TD110207A5

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60% of mass 198	41.2	
68	Less than 2% of mass 69	0	
69	Mass 69 relative abundance	62.9	
70	Less than 2% of mass 69	0.1	
127	40 - 60% of mass 198	47.3	
197	Less than 1% of mass 198	0	
198	Base peak, 100% relative abundance	100	
199	5 - 9% of mass 198	6.8	
275	10 - 30% of mass 198	25.2	
365	Greater than 1 % of mass 198	2.1	
441	Present, but less than mass 443	7.6	
442	Greater than 40% of mass 198	48.0	
443	17 - 23% of mass 442	19.4	

Trace Metals Data

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW6010B **AAB #:** R11694

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Date of Calibration: 29-Oct-07 **Initial Calibration ID:** 1096

Instrument ID: ICAP 61E **Concentration Units (mg/L or mg/kg):** mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	r	Q
Aluminum	0	0	10	0	0	0	1	
Antimony	0	0	1	0	0	0	1	
Arsenic	0	0	1	0	0	0	1	
Barium	0	0	1	0	0	0	1	
Beryllium	0	0	1	0	0	0	1	
Boron	0	0	1	0	0	0	1	
Cadmium	0	0	1	0	0	0	1	
Calcium	0	100	20	0	0	0	1	
Chromium	0	10	1	0	0	0	1	
Cobalt	0	0	1	0	0	0	1	
Copper	0	0	1	0	0	0	1	
Iron	0	20	2	0	0	0	1	
Lead	0	20	1	0	0	0	1	
Magnesium	0	0	20	0	0	0	1	
Manganese	0	0	1	0	0	0	1	
Molybdenum	0	0	1	0	0	0	1	
Nickel	0	0	1	0	0	0	1	
Potassium	20	0	0	0	0	0	1	
Selenium	0	0	1	0	0	0	1	
Silver	0	0	0.5	0	0	0	1	
Sodium	0	100	20	0	0	0	1	
Thallium	0	0	1	0	0	0	1	
Vanadium	0	0	1	0	0	0	1	
Zinc	0	0	1	0	0	0	1	

r = correlation coefficient

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11694
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1096
2nd Source ID:	ICVH	**ICV ID:**	ICVH
CCV #1 ID:	CCVH1	**CCV #2 ID:**	CCVH2
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Calcium	50.0	49.7	-0.6	50.0	49.7	-0.6	50.0	48.8	-2.4	48.3	-3.3	
Chromium	5.00	5.12	2.4	5.00	5.12	2.4	5.00	5.07	1.4	4.97	-0.7	
Iron	10.0	10.3	3.1	10.0	10.3	3.1	10.0	10.2	1.7	10.0	0.2	
Lead	10.0	10.2	1.9	10.0	10.2	1.9	10.0	10.0	0	9.90	-1.0	
Sodium	50.0	50.4	0.7	50.0	50.4	0.7	50.0	49.7	-0.5	49.2	-1.6	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11694
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1096
2nd Source ID:	ICVH	**ICV ID:**	ICVH
CCV #1 ID:	CCVH3	**CCV #2 ID:**	CCVH4
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Calcium	50.0	49.7	-0.6	50.0	49.7	-0.6	50.0	48.2	-3.6	48.3	-3.5	
Chromium	5.00	5.12	2.4	5.00	5.12	2.4	5.00	4.97	-0.6	4.97	-0.7	
Iron	10.0	10.3	3.1	10.0	10.3	3.1	10.0	10.0	0	9.98	-0.2	
Lead	10.0	10.2	1.9	10.0	10.2	1.9	10.0	9.86	-1.4	9.87	-1.3	
Sodium	50.0	50.4	0.7	50.0	50.4	0.7	50.0	49.2	-1.7	49.2	-1.6	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11694
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1096
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV/IPC	**CCV #2 ID:**	CCV1
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-0.6	1.00	1.01	-0.6	5.00	4.84	3.2	4.79	4.2	
Antimony	0.200	0.210	-5.2	0.200	0.210	-5.2	0.500	0.500	0.1	0.495	1.0	
Arsenic	0.200	0.204	-1.9	0.200	0.204	-1.9	0.500	0.501	-0.2	0.499	0.3	
Barium	0.200	0.194	2.9	0.200	0.194	2.9	0.500	0.500	-0	0.501	-0.3	
Beryllium	0.200	0.205	-2.5	0.200	0.205	-2.5	0.500	0.499	0.2	0.498	0.5	
Cadmium	0.200	0.200	-0.1	0.200	0.200	-0.1	0.500	0.500	0.1	0.500	0	
Calcium	10.0	9.93	0.7	10.0	9.93	0.7	10.0	9.78	2.2	9.69	3.1	
Chromium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.498	0.3	0.497	0.6	
Cobalt	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.491	1.7	0.489	2.1	
Copper	0.200	0.205	-2.6	0.200	0.205	-2.6	0.500	0.502	-0.3	0.499	0.3	
Iron	1.00	1.01	-1.4	1.00	1.01	-1.4	1.00	0.980	2.0	1.07	-6.5	
Lead	0.200	0.204	-2.2	0.200	0.204	-2.2	0.500	0.500	0	0.501	-0.1	
Magnesium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.96	0.4	9.88	1.2	
Manganese	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.494	1.2	0.489	2.3	
Molybdenum	0.200	0.199	0.4	0.200	0.199	0.4	0.500	0.497	0.6	0.495	1.0	
Nickel	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.502	-0.4	0.501	-0.2	
Potassium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.95	0.5	9.89	1.1	
Selenium	0.200	0.201	-0.4	0.200	0.201	-0.4	0.500	0.495	1.0	0.491	1.9	
Silver	0.0500	0.0510	-2.0	0.0500	0.0510	-2.0	0.250	0.245	1.8	0.243	2.9	
Sodium	10.0	10.5	-4.7	10.0	10.5	-4.7	10.0	10.1	-0.6	10.0	-0.1	
Thallium	0.200	0.201	-0.3	0.200	0.201	-0.3	0.500	0.496	0.8	0.493	1.4	
Vanadium	0.200	0.204	-2.1	0.200	0.204	-2.1	0.500	0.488	2.4	0.486	2.8	
Zinc	0.200	0.205	-2.7	0.200	0.205	-2.7	0.500	0.499	0.2	0.501	-0.3	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11694
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1096
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV2	**CCV #2 ID:**	CCV3
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-0.6	1.00	1.01	-0.6	5.00	4.76	4.7	4.67	6.7	
Antimony	0.200	0.210	-5.2	0.200	0.210	-5.2	0.500	0.493	1.5	0.489	2.3	
Arsenic	0.200	0.204	-1.9	0.200	0.204	-1.9	0.500	0.495	1.0	0.493	1.4	
Barium	0.200	0.194	2.9	0.200	0.194	2.9	0.500	0.502	-0.3	0.502	-0.4	
Beryllium	0.200	0.205	-2.5	0.200	0.205	-2.5	0.500	0.496	0.8	0.494	1.2	
Cadmium	0.200	0.200	-0.1	0.200	0.200	-0.1	0.500	0.499	0.3	0.497	0.6	
Calcium	10.0	9.93	0.7	10.0	9.93	0.7	10.0	9.68	3.2	9.64	3.6	
Chromium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.495	1.0	0.492	1.5	
Cobalt	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.488	2.5	0.484	3.1	
Copper	0.200	0.205	-2.6	0.200	0.205	-2.6	0.500	0.499	0.2	0.498	0.5	
Iron	1.00	1.01	-1.4	1.00	1.01	-1.4	1.00	0.976	2.4	0.966	3.4	
Lead	0.200	0.204	-2.2	0.200	0.204	-2.2	0.500	0.501	-0.2	0.499	0.1	
Magnesium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.84	1.6	9.78	2.2	
Manganese	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.483	3.5	0.479	4.2	
Molybdenum	0.200	0.199	0.4	0.200	0.199	0.4	0.500	0.494	1.2	0.492	1.7	
Nickel	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.501	-0.1	0.499	0.3	
Potassium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.90	1.0	9.83	1.7	
Selenium	0.200	0.201	-0.4	0.200	0.201	-0.4	0.500	0.491	1.8	0.490	2.1	
Silver	0.0500	0.0510	-2.0	0.0500	0.0510	-2.0	0.250	0.242	3.2	0.241	3.5	
Sodium	10.0	10.5	-4.7	10.0	10.5	-4.7	10.0	10.1	-0.7	10.1	-0.5	
Thallium	0.200	0.201	-0.3	0.200	0.201	-0.3	0.500	0.490	2.0	0.485	3.0	
Vanadium	0.200	0.204	-2.1	0.200	0.204	-2.1	0.500	0.485	3.1	0.483	3.5	
Zinc	0.200	0.205	-2.7	0.200	0.205	-2.7	0.500	0.501	-0.1	0.499	0.2	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11694
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1096
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV4	**CCV #2 ID:**	
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-0.6	1.00	1.01	-0.6	5.00	4.63	7.4			
Antimony	0.200	0.210	-5.2	0.200	0.210	-5.2	0.500	0.485	3.0			
Arsenic	0.200	0.204	-1.9	0.200	0.204	-1.9	0.500	0.490	2.0			
Barium	0.200	0.194	2.9	0.200	0.194	2.9	0.500	0.500	0.1			
Beryllium	0.200	0.205	-2.5	0.200	0.205	-2.5	0.500	0.492	1.7			
Cadmium	0.200	0.200	-0.1	0.200	0.200	-0.1	0.500	0.495	1.0			
Calcium	10.0	9.93	0.7	10.0	9.93	0.7	10.0	9.58	4.2			
Chromium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.490	2.1			
Cobalt	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.482	3.7			
Copper	0.200	0.205	-2.6	0.200	0.205	-2.6	0.500	0.494	1.2			
Iron	1.00	1.01	-1.4	1.00	1.01	-1.4	1.00	0.963	3.7			
Lead	0.200	0.204	-2.2	0.200	0.204	-2.2	0.500	0.499	0.2			
Magnesium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.74	2.6			
Manganese	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.475	4.9			
Molybdenum	0.200	0.199	0.4	0.200	0.199	0.4	0.500	0.488	2.4			
Nickel	0.200	0.202	-0.8	0.200	0.202	-0.8	0.500	0.496	0.7			
Potassium	10.0	9.97	0.3	10.0	9.97	0.3	10.0	9.76	2.4			
Selenium	0.200	0.201	-0.4	0.200	0.201	-0.4	0.500	0.487	2.6			
Silver	0.0500	0.0510	-2.0	0.0500	0.0510	-2.0	0.250	0.239	4.2			
Sodium	10.0	10.5	-4.7	10.0	10.5	-4.7	10.0	10.0	-0			
Thallium	0.200	0.201	-0.3	0.200	0.201	-0.3	0.500	0.482	3.6			
Vanadium	0.200	0.204	-2.1	0.200	0.204	-2.1	0.500	0.480	4.0			
Zinc	0.200	0.205	-2.7	0.200	0.205	-2.7	0.500	0.497	0.6			

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 6
ICP-AES and ICP-MS SERIAL DILUTIONS

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710130-001B **Analysis Date:** 10/29/2007

Parent Field Sample ID: TMCSD0101BB **Matrix:** Sediment

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Initial Sample Result	Qual	Serial Dilution Result (S)	Qual	% Difference	Q
Aluminum	4100		4170		1.7	
Antimony	0.54	U	2.69	U		
Arsenic	3.0	F	3.32	F		
Barium	17		17.3		1.8	
Beryllium	0.18	F	0.162	F		
Cadmium	0.037	U	0.183	U		
Calcium	720		728		1.1	
Chromium	4.9		4.58	F		
Cobalt	3.1		2.66	F		
Copper	10		10.7	F		
Iron	9100		9440		3.7	
Lead	1.9	F	2.19	F		
Magnesium	1700		1760		3.5	
Manganese	160		162		1.3	
Molybdenum	0.28	U	1.38	U		
Nickel	7.1		7.16	F		
Potassium	520		506	F		
Selenium	0.61	F	1.15	U		
Silver	0.12	U	0.583	U		
Sodium	44	F	47.9	U		
Thallium	0.62	U	3.12	U		
Vanadium	6.9		6.98		1.2	
Zinc	18		19.7			

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 7
POST-DIGESTION SPIKE SAMPLE RECOVERY

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710130-001B **Date of Analysis:** 10/29/2007

Concentration Units (mg/L or mg/Kg): mg/Kg **Matrix (soil/water):** Sediment

Analyte	Control Limit %R	Spiked Sample Result	Qual	Sample Result	Qual	Spike Added	% R	Q
Aluminum	75 - 125	4180		4100		240	33	*
Antimony	75 - 125	46.5		0.54	U	48	97	
Arsenic	75 - 125	48.9		3.0	F	48	96	
Barium	75 - 125	62.2		17		48	94	
Beryllium	75 - 125	46.1		0.18	F	48	96	
Cadmium	75 - 125	44.9		0.037	U	48	94	
Calcium	75 - 125	2980		720		2400	94	
Chromium	75 - 125	50.7		4.9		48	96	
Cobalt	75 - 125	47.8		3.1		48	93	
Copper	75 - 125	57.1		10		48	98	
Iron	75 - 125	8900		9100		240	0	*
Lead	75 - 125	48.4		1.9	F	48	97	
Magnesium	75 - 125	3860		1700		2400	90	
Manganese	75 - 125	196		160		48	75	
Molybdenum	75 - 125	45.1		0.28	U	48	94	
Nickel	75 - 125	52.8		7.1		48	95	
Potassium	75 - 125	2750		520		2400	93	
Selenium	75 - 125	44.9		0.61	F	48	92	
Silver	75 - 125	11.1		0.12	U	12	93	
Sodium	75 - 125	2410		44	F	2400	99	
Thallium	75 - 125	45.2		0.62	U	48	94	
Vanadium	75 - 125	52.8		6.9		48	96	
Zinc	75 - 125	64.1		18		48	96	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/Kg

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1096

CCB #1 ID: CCB1 **CCB #2 ID:** CCB2 **CCB #3 ID:** CCB3

Method Blank ID: MB-6466 **Initial Calibration ID:** 1096

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Aluminum	0.0063	-0.00045	0.0023	-0.000050	4.0	20	
Antimony	-0.00058	0.000050	-0.0013	0.00027	0.45	10	
Arsenic	0.00036	0.000020	0.000040	0.00050	0.40	5.0	
Barium	0.000070	0.00011	0.00018	0.00018	0.038	1.0	
Beryllium	0.000040	0.00010	0.000030	0.000080	0.0057	1.0	
Cadmium	0.00011	0.000030	0.00010	0.00014	0.030	0.50	
Calcium	-0.0047	-0.0046	-0.0047	-0.0042	1.7	100	
Chromium	-0.00014	-0.00032	-0.000040	-0.00016	0.14	1.0	
Cobalt	-0.000010	-0.00011	0.00023	0.000050	0.15	1.0	
Copper	-0.00020	-0.00027	-0.00028	-0.00027	0.40	2.0	
Iron	-0.0015	-0.0015	-0.0011	-0.0010	0.54	3.0	
Lead	0.0040	-0.00031	0.00059	0.00016	0.14	3.0	
Magnesium	0.0015	-0.0018	-0.00035	-0.0012	4.0	100	
Manganese	-0.000030	-0.00011	-0.000080	-0.000070	0.023	1.0	
Molybdenum	0.00078	0.00013	0.00044	0.00066	0.23	3.0	
Nickel	0.0011	-0.00047	-0.00025	-0.00031	0.20	2.0	
Potassium	0.012	0.012	0.029	0.023	20	200	
Selenium	0.00062	0.00090	-0.00018	0.00088	0.19	3.0	
Silver	0.00034	0.000040	0.00032	0.00031	0.097	1.0	
Sodium	0.00088	0.00027	0.0020	0.0031	8.0	100	
Thallium	0.0022	0.00069	0.0015	0.00088	0.52	6.0	
Vanadium	0.00045	-0.00018	0.00033	0.00045	0.083	1.0	
Zinc	-0.00046	-0.00073	-0.00065	-0.00057	0.80	2.0	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/Kg

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1096

CCB #1 ID: CCB4 **CCB #2 ID:** **CCB #3 ID:**

Method Blank ID: MB-6466 **Initial Calibration ID:** 1096

Analyte	Initial Calibration Blank	Continuing Calibration Blank 1	2	3	Method Blank	RL	Q
Aluminum	0.0063	0.0031			4.0	20	
Antimony	-0.00058	-0.00021			0.45	10	
Arsenic	0.00036	-0.00045			0.40	5.0	
Barium	0.000070	0.00018			0.038	1.0	
Beryllium	0.000040	0.000090			0.0057	1.0	
Cadmium	0.00011	0.00014			0.030	0.50	
Calcium	-0.0047	0.00013			1.7	100	
Chromium	-0.00014	0.000010			0.14	1.0	
Cobalt	-0.000010	0.000090			0.15	1.0	
Copper	-0.00020	-0.00030			0.40	2.0	
Iron	-0.0015	0.0041			0.54	3.0	
Lead	0.0040	0.00029			0.14	3.0	
Magnesium	0.0015	0.00042			4.0	100	
Manganese	-0.000030	-0.000020			0.023	1.0	
Molybdenum	0.00078	0.00018			0.23	3.0	
Nickel	0.0011	-0.00015			0.20	2.0	
Potassium	0.012	0.028			20	200	
Selenium	0.00062	0.00097			0.19	3.0	
Silver	0.00034	0.000040			0.097	1.0	
Sodium	0.00088	0.0050			8.0	100	
Thallium	0.0022	-0.00031			0.52	6.0	
Vanadium	0.00045	0.00020			0.083	1.0	
Zinc	-0.00046	0.00094			0.80	2.0	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 9
LABORATORY CONTROL SAMPLE

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6466 **Initial Calibration ID:** 1096

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Expected	Found	%R	Control Limits	Q
Aluminum	100	96.6	97	79 - 120	
Antimony	20	20.0	100	80 - 120	
Arsenic	20	20.1	101	80 - 120	
Barium	20	19.7	98	80 - 120	
Beryllium	20	20.2	101	80 - 120	
Cadmium	20	19.8	99	80 - 120	
Calcium	1000	971	97	80 - 120	
Chromium	20	20.2	101	80 - 120	
Cobalt	20	19.6	98	80 - 120	
Copper	20	20.4	102	80 - 120	
Iron	100	100	100	80 - 120	
Lead	20	20.4	102	80 - 120	
Magnesium	1000	982	98	80 - 120	
Manganese	20	19.7	98	80 - 120	
Molybdenum	20	19.5	98	80 - 120	
Nickel	20	20.1	100	80 - 120	
Potassium	1000	971	97	80 - 120	
Selenium	20	19.2	96	80 - 120	
Silver	5	4.86	97	75 - 120	
Sodium	1000	1010	101	80 - 120	
Thallium	20	19.8	99	80 - 120	
Vanadium	20	20.2	101	80 - 120	
Zinc	20	20.6	103	80 - 120	

AFCEE
INORGANIC ANALYSES DATA SHEET 10
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 83.50

Parent Field Sample ID: TMCSD0101BB **MS ID:** 0710130-001BMS **MSD ID:** 0710130-001BMSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Aluminum	4110	240	4800	288	4850	311	1	79 - 120	30	M
Antimony		47.9	32.7	68	32.8	69	0	80 - 120	30	M
Arsenic	3.05	47.9	49.8	98	50.3	99	1	80 - 120	30	
Barium	17.1	47.9	63.8	97	64.0	98	0	80 - 120	30	
Beryllium	0.182	47.9	47.1	98	47.3	98	0	80 - 120	30	
Cadmium		47.9	45.7	95	46.0	96	1	80 - 120	30	
Calcium	722	2400	3010	96	3040	97	1	80 - 120	30	
Chromium	4.91	47.9	52.2	99	52.5	99	1	80 - 120	30	
Cobalt	3.08	47.9	48.8	96	49.1	96	1	80 - 120	30	
Copper	10.4	47.9	58.4	100	58.9	101	1	80 - 120	30	
Iron	9090	240	9230	59	9370	120	2	80 - 120	30	M
Lead	1.87	47.9	49.1	99	49.3	99	0	80 - 120	30	
Magnesium	1700	2400	4020	97	4050	98	1	80 - 120	30	
Manganese	159	47.9	209	104	209	106	0	80 - 120	30	
Molybdenum		47.9	45.8	96	46.0	96	1	80 - 120	30	
Nickel	7.12	47.9	53.9	98	54.5	99	1	80 - 120	30	
Potassium	515	2400	2710	92	2730	93	1	80 - 120	30	
Selenium	0.607	47.9	45.2	93	45.6	94	1	80 - 120	30	
Silver		12.0	11.4	96	11.5	96	0	75 - 120	30	
Sodium	43.8	2400	2430	100	2440	100	0	80 - 120	30	
Thallium		47.9	46.0	96	46.5	97	1	80 - 120	30	
Vanadium	6.92	47.9	54.4	99	54.8	100	1	80 - 120	30	
Zinc	18.2	47.9	65.5	99	66.0	100	1	80 - 120	20	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 11
HOLDING TIMES

Analytical Method: SW6010B **AAB #:** 6466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.1	
TMCSD0101BB	0710130-001BMS	18-Oct-07	19-Oct-07	29-Oct-07	180	11.1	
TMCSD0101BB	0710130-001BMSD	18-Oct-07	19-Oct-07	29-Oct-07	180	11.1	
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.0	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.2	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.2	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.2	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.1	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.0	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	29-Oct-07	180	11.1	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 12
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW6010B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: ICAP 61E

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
BLANK	BLANK	29-Oct-07	10:30	29-Oct-07	10:33
STD3	STD3	29-Oct-07	10:33	29-Oct-07	10:37
STD2	STD2	29-Oct-07	10:37	29-Oct-07	10:39
STD1	STD1	29-Oct-07	10:39	29-Oct-07	10:51
ICVH	ICVH	29-Oct-07	10:51	29-Oct-07	10:55
ICV	ICV	29-Oct-07	10:55	29-Oct-07	10:59
CCV/IPC	CCV/IPC	29-Oct-07	10:59	29-Oct-07	11:03
ICB	ICB	29-Oct-07	11:03	29-Oct-07	11:10
Low Level Ca	Low Level Cal STD-S	29-Oct-07	11:10	29-Oct-07	11:18
ICSA	ICSA	29-Oct-07	11:18	29-Oct-07	11:26
ICSAB	ICSAB	29-Oct-07	11:26	29-Oct-07	11:59
CCVH1	CCVH1	29-Oct-07	12:17	29-Oct-07	12:20
CCV1	CCV1	29-Oct-07	12:20	29-Oct-07	12:27
CCB1	CCB1	29-Oct-07	12:27	29-Oct-07	13:08
CCVH2	CCVH2	29-Oct-07	13:08	29-Oct-07	13:12
CCV2	CCV2	29-Oct-07	13:12	29-Oct-07	13:16
CCB2	CCB2	29-Oct-07	13:16	29-Oct-07	13:41
MB-6466	MB-6466	29-Oct-07	13:41	29-Oct-07	13:45
LCS-6466	LCS-6466	29-Oct-07	13:45	29-Oct-07	13:49
TMCSD0101BB	0710130-001B	29-Oct-07	13:49	29-Oct-07	13:53
TMCSD0101BB	0710130-001BMS	29-Oct-07	13:53	29-Oct-07	13:57
TMCSD0101BB	0710130-001BMSD	29-Oct-07	13:57	29-Oct-07	14:01
CCVH3	CCVH3	29-Oct-07	14:01	29-Oct-07	14:06
CCV3	CCV3	29-Oct-07	14:06	29-Oct-07	14:10
CCB3	CCB3	29-Oct-07	14:10	29-Oct-07	14:13
TMCSD0101BB	0710130-001B	29-Oct-07	14:13	29-Oct-07	14:17
TMCSD0101BB	0710130-001B	29-Oct-07	14:17	29-Oct-07	14:21
TMCSD0201BB	0710130-002B	29-Oct-07	14:21	29-Oct-07	14:24
TMCSD0301BB	0710130-003B	29-Oct-07	14:24	29-Oct-07	14:28
TMCSD0401BB	0710130-004B	29-Oct-07	14:28	29-Oct-07	14:32
TMCSD0501BB	0710130-005B	29-Oct-07	14:32	29-Oct-07	14:36
TMCSD0601BB	0710130-006B	29-Oct-07	14:36	29-Oct-07	14:39
TMCSD0701BB	0710130-007B	29-Oct-07	14:39	29-Oct-07	14:43
TMCSD0801BB	0710130-008B	29-Oct-07	14:43	29-Oct-07	15:08
CCVH4	CCVH4	29-Oct-07	15:08	29-Oct-07	15:12
CCV4	CCV4	29-Oct-07	15:12	29-Oct-07	15:16
CCB4	CCB4	29-Oct-07	15:16	29-Oct-07	15:16

Comments:

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710130
Project: Griffiss AFB - TMC LTM-Sed

CLIENT: FPM Group

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010W05AF**	Units: **mg/L**	Prep Date:		RunNo:	**11694**
Client ID: **ZZZZZ**	Batch ID: **R11694**	Method: **SW6010B**		Analysis Date: **10/29/2007**		SeqNo:	**316040**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	462	0.20	500	0	92	80	120				
Antimony	0.000420	0.050									
Arsenic	-0.000380	0.030									
Barium	0.000650	0.050									
Beryllium	ND	0.0040									
Cadmium	0.000590	0.0050									
Calcium	495	1.1	500	0	99	80	120				
Chromium	-0.00100	0.010									
Cobalt	0.00473	0.060									
Copper	0.000100	0.010									
Iron	183	0.20	200	0	91	80	120				
Lead	0.00166	0.025									
Magnesium	492	1.0	500	0	98	80	120				
Manganese	0.000550	0.010									
Molybdenum	-0.000760	0.015									
Nickel	0.000550	0.020									
Potassium	0.0422	1.0									
Selenium	0.00498	0.030									
Silver	0.000360	0.010									
Sodium	0.00530	1.0									
Thallium	0.00450	0.080									
Vanadium	0.0000700	0.010									
Zinc	0.00125	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710130
Project: Griffiss AFB - TMC LTM-Sed

CLIENT: FPM Group

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010W05AF**	Units: **mg/L**	Prep Date:		RunNo:	**11694**
Client ID: **ZZZZZ**	Batch ID: **R11694**	Method: **SW6010B**		Analysis Date: **10/29/2007**		SeqNo:	**316041**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	450	0.20	500	0	90	80	120				
Antimony	0.603	0.050	0.6	0	101	80	120				
Arsenic	0.0960	0.030	0.1	0	96	80	120				
Barium	0.474	0.050	0.5	0	95	80	120				
Beryllium	0.471	0.0040	0.5	0	94	80	120				
Cadmium	0.882	0.0050	1	0	88	80	120				
Calcium	488	1.1	500	0	98	80	120				
Chromium	0.457	0.010	0.5	0	91	80	120				
Cobalt	0.454	0.060	0.5	0	91	80	120				
Copper	0.508	0.010	0.5	0	102	80	120				
Iron	181	0.20	200	0	90	80	120				
Lead	0.0474	0.025	0.05	0	95	80	120				
Magnesium	484	1.0	500	0	97	80	120				
Manganese	0.462	0.010	0.5	0	92	80	120				
Molybdenum	0.450	0.015	0.5	0	90	80	120				
Nickel	0.900	0.020	1	0	90	80	120				
Potassium	5.16	1.0	5	0	103	80	120				
Selenium	0.0510	0.030	0.05	0	102	80	120				
Silver	0.197	0.010	0.2	0	98	80	120				
Sodium	1.00	1.0	1	0	100	80	120				
Thallium	0.101	0.080	0.1	0	101	80	120				
Vanadium	0.467	0.010	0.5	0	93	80	120				
Zinc	0.960	0.020	1	0	96	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710130
Project: Griffiss AFB - TMC LTM-Sed

CLIENT: FPM Group

Sample ID:	Low Level Cal STD-	SampType:	CRI	TestCode:	6010W05AF	Units:	mg/L	Prep Date:	RunNo: 11694
Client ID:	ZZZZZ	Batch ID:	R11694	Method:	SW6010B			Analysis Date: 10/29/2007	SeqNo: 316039
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.187	0.20	0.2	0	94	80	120				
Antimony	0.101	0.050	0.1	0	101	80	120				
Arsenic	0.0503	0.030	0.05	0	101	80	120				
Barium	0.00938	0.050	0.01	0	94	80	120				
Beryllium	0.00983	0.0040	0.01	0	98	80	120				
Cadmium	0.00445	0.0050	0.005	0	89	80	120				
Calcium	0.928	1.1	1	0	93	80	120				
Chromium	0.00912	0.010	0.01	0	91	80	120				
Cobalt	0.00893	0.060	0.01	0	89	80	120				
Copper	0.0203	0.010	0.02	0	102	80	120				
Iron	0.0292	0.20	0.03	0	98	80	120				
Lead	0.0293	0.025	0.03	0	98	80	120				
Magnesium	0.988	1.0	1	0	99	80	120				
Manganese	0.00972	0.010	0.01	0	97	80	120				
Molybdenum	0.0291	0.015	0.03	0	97	80	120				
Nickel	0.0193	0.020	0.02	0	97	80	120				
Potassium	1.87	1.0	2	0	94	80	120				
Selenium	0.0301	0.030	0.03	0	100	80	120				
Silver	0.00972	0.010	0.01	0	97	80	120				
Sodium	0.970	1.0	1	0	97	80	120				
Thallium	0.0571	0.080	0.06	0	95	80	120				
Vanadium	0.0100	0.010	0.01	0	100	80	120				
Zinc	0.0236	0.020	0.02	0	118	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

METALS MDL Verification Summary (AFCEE)

Instrument ID(s):			TJA ICAP-61E			Verification Dates: 8/23/2007 & 9/20/2007 & 10/2/2007										Units = mg/L
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified MDL	RL	Is Verified MDL < .5*RL?
6010B	3050B	Solid	Aluminum	1.7549	4.0	4.0	4.835	121%	yes	n/a	n/a			4.00	20	yes
6010B	3050B	Solid	Antimony	0.1629	0.1629	0.30	0.167	56%	no	0.450	0.461	102%	yes	0.450	10	yes
6010B	3050B	Solid	Arsenic	0.1594	0.40	0.40	0.466	117%	yes	n/a	n/a			0.40	5	yes
6010B	3050B	Solid	Barium	0.0377	0.0377	0.20	0.198	99%	yes	n/a	n/a			0.0377	1	yes
6010B	3050B	Solid	Beryllium	0.0057	0.0057	0.020	0.02	100%	yes	n/a	n/a			0.0057	1	yes
6010B	3050B	Solid	Boron	0.1525	0.50	0.50	0.491	98%	yes	n/a	n/a			0.500	5	yes
6010B	3050B	Solid	Cadmium	0.0305	0.0305	0.10	0.098	98%	yes	n/a	n/a			0.0305	0.5	yes
6010B	3050B	Solid	Calcium	1.7035	1.704	4.0	3.888	97%	yes	n/a	n/a			1.704	100	yes
6010B	3050B	Solid	Chromium	0.1406	0.1406	0.40	0.409	102%	yes	n/a	n/a			0.1406	1	yes
6010B	3050B	Solid	Cobalt	0.1471	0.1471	0.40	0.393	98%	yes	n/a	n/a			0.1471	1	yes
6010B	3050B	Solid	Copper	0.0867	0.40	0.40	0.439	110%	yes	n/a	n/a			0.400	2	yes
6010B	3050B	Solid	Iron	0.4695	0.4695	1.0	1.303	130%	yes	n/a	n/a			0.4695	3	yes
6010B	3050B	Solid	Lead	0.1410	0.1410	0.40	0.491	123%	yes	n/a	n/a			0.1410	3	yes
6010B	3050B	Solid	Magnesium	0.9350	4.0	4.0	3.775	94%	yes	n/a	n/a			4.00	100	yes
6010B	3050B	Solid	Manganese	0.0233	0.0233	0.10	0.098	98%	yes	n/a	n/a			0.0233	1	yes
6010B	3050B	Solid	Molybdenum	0.2305	0.2305	0.50	0.544	109%	yes	n/a	n/a			0.2305	3	yes
6010B	3050B	Solid	Nickel	0.0683	0.20	0.20	0.223	112%	yes	n/a	n/a			0.200	2	yes
6010B	3050B	Solid	Potassium	8.5431	20.0	20.0	19.207	96%	yes	n/a	n/a			20.00	200	yes
6010B	3050B	Solid	Selenium	0.1920	0.1920	0.50	0.566	113%	yes	n/a	n/a			0.1920	3	yes
6010B	3050B	Solid	Silver	0.0974	0.0974	0.20	0.191	96%	yes	n/a	n/a			0.0974	1	yes
6010B	3050B	Solid	Sodium	0.5806	4.0	4.0	7.905	198%	no	8.00	10.278	128%	yes	8.00	100	yes
6010B	3050B	Solid	Thallium	0.5211	0.5211	1.0	0.899	90%	yes	n/a	n/a			0.5211	6	yes
6010B	3050B	Solid	Vanadium	0.0829	0.0829	0.20	0.176	88%	yes	n/a	n/a			0.0829	1	yes
6010B	3050B	Solid	Zinc	0.2560	0.2560	0.40	0.703	176%	no	0.80	1.090	136%	yes	0.8000	2	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

METALS MDL Verification Summary (AFCEE)

Instrument ID(s):		TJA ICAP-61E					Verification Dates: 8/15/2007									Units = mg/L
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified MDL	RL	Is Verified MDL < .5*RL?
6010B	3005A	Water	Aluminum	0.01245	0.040	0.04	0.05025	126%	yes	n/a	n/a			**0.040**	0.200	yes
6010B	3005A	Water	Antimony	0.00152	0.00152	0.003	0.00282	94%	yes	n/a	n/a			**0.00152**	0.050	yes
6010B	3005A	Water	Arsenic	0.00120	0.0040	0.004	0.00395	99%	yes	n/a	n/a			**0.0040**	0.030	yes
6010B	3005A	Water	Barium	0.00054	0.00054	0.002	0.00193	97%	yes	n/a	n/a			**0.00054**	0.050	yes
6010B	3005A	Water	Beryllium	0.00010	0.00010	0.0002	0.00021	105%	yes	n/a	n/a			**0.00010**	0.004	yes
6010B	3005A	Water	Boron	0.00300	0.00300	0.005	0.00521	104%	yes	n/a	n/a			**0.0030**	0.050	yes
6010B	3005A	Water	Cadmium	0.00042	0.00042	0.001	0.00113	113%	yes	n/a	n/a			**0.00042**	0.005	yes
6010B	3005A	Water	Calcium	0.00688	0.040	0.04	0.02782	70%	yes	n/a	n/a			**0.040**	1.100	yes
6010B	3005A	Water	Chromium	0.00144	0.00144	0.004	0.00455	114%	yes	n/a	n/a			**0.00144**	0.010	yes
6010B	3005A	Water	Cobalt	0.00192	0.0060	0.006	0.0066	110%	yes	n/a	n/a			**0.0060**	0.060	yes
6010B	3005A	Water	Copper	0.00188	0.00188	0.004	0.00372	93%	yes	n/a	n/a			**0.00188**	0.010	yes
6010B	3005A	Water	Iron	0.00500	0.00500	0.01	0.01051	105%	yes	n/a	n/a			**0.0050**	0.200	yes
6010B	3005A	Water	Lead	0.00084	0.0040	0.004	0.00434	109%	yes	n/a	n/a			**0.0040**	0.025	yes
6010B	3005A	Water	Magnesium	0.01266	0.040	0.04	0.04306	108%	yes	n/a	n/a			**0.040**	1.000	yes
6010B	3005A	Water	Manganese	0.00026	0.0015	0.0015	0.00154	103%	yes	n/a	n/a			**0.0015**	0.010	yes
6010B	3005A	Water	Molybdenum	0.00292	0.00292	0.005	0.00452	90%	yes	n/a	n/a			**0.00292**	0.015	yes
6010B	3005A	Water	Nickel	0.00112	0.00112	0.002	0.00189	95%	yes	n/a	n/a			**0.00112**	0.020	yes
6010B	3005A	Water	Potassium	0.06756	0.06756	0.2	0.12979	65%	yes	n/a	n/a			**0.06756**	1.000	yes
6010B	3005A	Water	Selenium	0.00264	0.00264	0.005	0.00494	99%	yes	n/a	n/a			**0.00264**	0.030	yes
6010B	3005A	Water	Silver	0.00090	0.00090	0.002	0.00175	88%	yes	n/a	n/a			**0.00090**	0.010	yes
6010B	3005A	Water	Sodium	0.00846	0.040	0.04	0.0277	69%	yes	n/a	n/a			**0.040**	1.000	yes
6010B	3005A	Water	Thallium	0.00587	0.00587	0.01	0.01393	139%	yes	n/a	n/a			**0.00587**	0.080	yes
6010B	3005A	Water	Vanadium	0.00066	0.00066	0.002	0.00199	100%	yes	n/a	n/a			**0.00066**	0.010	yes
6010B	3005A	Water	Zinc	0.00135	0.0040	0.004	0.00521	130%	yes	n/a	n/a			**0.0040**	0.020	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Mercury Data

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW7470A **AAB #:** R11707

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Date of Calibration: 31-Oct-07 **Initial Calibration ID:** 1105

Instrument ID: FIMS 100 **Concentration Units (mg/L or mg/kg):** mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 6	STD 6	STD 7	STD 8	STD 9	STD 10	r	C
Mercury	0	0.0002	0.0005	0.001	0.002	0.005	0.01	0	0	0	1	

r = correlation coefficient

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW7470A	**AAB #:**	R11707
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	FIMS 100	**Initial Calibration ID:**	1105
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV1	**CCV #2 ID:**	CCV2
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury	0.00400	0.00398	0.5	0.00400	0.00398	0.5	0.00200	0.00210	-5.2	0.00210	-5.2	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW7470A	**AAB #:**	R11707
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	FIMS 100	**Initial Calibration ID:**	1105
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV3	**CCV #2 ID:**	CCV4
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury	0.00400	0.00398	0.5	0.00400	0.00398	0.5	0.00200	0.00210	-5.1	0.00212	-6.1	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 6
ICP-AES and ICP-MS SERIAL DILUTIONS

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710130-008B **Analysis Date:** 10/31/2007

Parent Field Sample ID: TMCSD0801BB **Matrix:** Sediment

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Initial Sample Result	Qual	Serial Dilution Result (S)	Qual	% Difference	Q
Mercury	0.12	F	0.132	F		

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 7
POST-DIGESTION SPIKE SAMPLE RECOVERY

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710130-008B **Date of Analysis:** 10/31/2007

Concentration Units (mg/L or mg/Kg): mg/Kg **Matrix (soil/water):** Sediment

Analyte	Control Limit %R	Spiked Sample Result	Qual	Sample Result	Qual	Spike Added	% R	Q
Mercury	85 - 115	0.687		0.12	F	0.57	100	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/Kg

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1105

CCB #1 ID: CCB1 **CCB #2 ID:** CCB2 **CCB #3 ID:** CCB3

Method Blank ID: MB-6490 **Initial Calibration ID:** 1105

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury	0.000000028	-0.0000035	-0.0000029	-0.0000028	0.0034	0.10	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/Kg

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1105

CCB #1 ID: CCB4 **CCB #2 ID:** **CCB #3 ID:**

Method Blank ID: MB-6490 **Initial Calibration ID:** 1105

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury	0.000000028	-0.0000031			0.0034	0.10	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 9
LABORATORY CONTROL SAMPLE

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6490 **Initial Calibration ID:** 1105

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Expected	Found	%R	Control Limits	Q
Mercury	0.835	0.865	104	80 - 120	

AFCEE
INORGANIC ANALYSES DATA SHEET 10
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 83.50

Parent Field Sample ID: TMCSD0101BB **MS ID:** 0710130-001BMS **MSD ID:** 0710130-001BMSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Mercury	0.00602	0.400	0.422	104	0.432	106	2	80 - 120	30	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 11
HOLDING TIMES

Analytical Method: SW7471A **AAB #:** 6490

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	
TMCSD0101BB	0710130-001BMS	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	
TMCSD0101BB	0710130-001BMSD	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.2	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.2	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.2	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.2	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	31-Oct-07	28	13.1	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 12
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW7471A

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: FIMS 100

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
Blank	Blank	31-Oct-07	13:27	31-Oct-07	13:29
0.2 ppb	0.2 ppb	31-Oct-07	13:29	31-Oct-07	13:31
0.5 ppb	0.5 ppb	31-Oct-07	13:31	31-Oct-07	13:34
1.0 ppb	1.0 ppb	31-Oct-07	13:34	31-Oct-07	13:36
2.0 ppb	2.0 ppb	31-Oct-07	13:36	31-Oct-07	13:38
5.0 ppb	5.0 ppb	31-Oct-07	13:38	31-Oct-07	13:40
10.0 ppb	10.0 ppb	31-Oct-07	13:40	31-Oct-07	13:44
ICV	ICV	31-Oct-07	13:44	31-Oct-07	13:46
ICB	ICB	31-Oct-07	13:46	31-Oct-07	13:48
CRA	CRA	31-Oct-07	13:48	31-Oct-07	13:56
CCV1	CCV1	31-Oct-07	14:15	31-Oct-07	14:17
CCB1	CCB1	31-Oct-07	14:17	31-Oct-07	14:39
CCV2	CCV2	31-Oct-07	14:39	31-Oct-07	14:41
CCB2	CCB2	31-Oct-07	14:41	31-Oct-07	14:52
MB-6490	MB-6490	31-Oct-07	14:52	31-Oct-07	14:54
LCS-6490	LCS-6490	31-Oct-07	14:54	31-Oct-07	14:57
TMCSD0101BB	0710130-001B	31-Oct-07	14:57	31-Oct-07	14:59
TMCSD0101BB	0710130-001BMS	31-Oct-07	14:59	31-Oct-07	15:01
TMCSD0101BB	0710130-001BMSD	31-Oct-07	15:01	31-Oct-07	15:03
TMCSD0201BB	0710130-002B	31-Oct-07	15:03	31-Oct-07	15:05
TMCSD0301BB	0710130-003B	31-Oct-07	15:05	31-Oct-07	15:07
TMCSD0401BB	0710130-004B	31-Oct-07	15:07	31-Oct-07	15:10
CCV3	CCV3	31-Oct-07	15:10	31-Oct-07	15:12
CCB3	CCB3	31-Oct-07	15:12	31-Oct-07	15:14
TMCSD0501BB	0710130-005B	31-Oct-07	15:14	31-Oct-07	15:16
TMCSD0601BB	0710130-006B	31-Oct-07	15:16	31-Oct-07	15:18
TMCSD0701BB	0710130-007B	31-Oct-07	15:18	31-Oct-07	15:21
TMCSD0801BB	0710130-008B	31-Oct-07	15:21	31-Oct-07	15:29
TMCSD0801BB	0710130-008B	31-Oct-07	15:29	31-Oct-07	15:31
TMCSD0801BB	0710130-008B	31-Oct-07	15:31	31-Oct-07	15:34
CCV4	CCV4	31-Oct-07	15:34	31-Oct-07	15:36
CCB4	CCB4	31-Oct-07	15:36	31-Oct-07	15:36

Comments:

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0710130
Project: Griffiss AFB - TMC LTM-Sed

CLIENT: FPM Group

Sample ID: **CRA**	SampType: **CRA**	TestCode: **HG7470WAF**	Units: **mg/L**	Prep Date:		RunNo:	**11707**		
Client ID: **ZZZZZ**	Batch ID: **R11707**	Method: **SW7470A**		Analysis Date:	**10/31/2007**	SeqNo:	**316603**		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000192	0.00100	0.0002	0	96	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

METALS MDL Verification Summary

Instrument ID(s): FIMS-100									Verification Date: 9/11/2007								
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (mg/Kg)	RL (mg/Kg)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 60-140%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New MDL mg/Kg	Is New MDL < .5*RL?
7471A	Soil	Mercury	01/03/06	0.00337	0.100	0.00835	0.00606	73%	yes	yes	yes					0.00337	yes
245.5	Soil	Mercury	01/03/06	0.00337	0.100	0.00835	0.00606	73%	yes	yes	yes					0.00337	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Wet Chemistry Data

Life Science Laboratories, Inc.

Date: *23-Oct-07*

CLIENT: FPM Group
Lab Order: 0710130
Project: Griffiss AFB - TMC LTM-Sed

Sample ID	Lab ID	Units	Date Collected	Date Received	Date Analyzed	Batch ID	Percent Moisture
TMCSD0101BB	0710130-001B	wt%	10/18/2007	10/19/2007	10/20/2007	R11574	16.5
TMCSD0201BB	0710130-002B	wt%	10/18/2007	10/19/2007	10/20/2007	R11574	23.4
TMCSD0301BB	0710130-003B	wt%	10/18/2007	10/19/2007	10/20/2007	R11574	23.4
TMCSD0401BB	0710130-004B	wt%	10/18/2007	10/19/2007	10/20/2007	R11574	20.5
TMCSD0501BB	0710130-005B	wt%	10/18/2007	10/19/2007	10/20/2007	R11573	30.5
TMCSD0601BB	0710130-006B	wt%	10/18/2007	10/19/2007	10/20/2007	R11573	22.0
TMCSD0701BB	0710130-007B	wt%	10/18/2007	10/19/2007	10/20/2007	R11573	28.4
TMCSD0801BB	0710130-008B	wt%	10/18/2007	10/19/2007	10/20/2007	R11573	40.9

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G

Work Order: 0710130

CLIENT: FPM Group **Project:** Griffiss AFB - TMC LTM-Sed

Sample ID: **0710130-001BDUP**	SampType: **DUP**	TestCode: **PMOIST**	Units: **wt%**	Prep Date:			RunNo:	**11574**			
Client ID: **TMCSD0101BB**	Batch ID: **R11574**	Method: **SM 2540 G**		Analysis Date: **10/20/2007**			SeqNo:	**313163**			
Instrument:	ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.2	1.00						16.5	1.8	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

203 e: *23-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 **(315) 437-0200**

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G

Work Order: 0710130

CLIENT: FPM Group

Project: Griffiss AFB - TMC LTM-Sed

Sample ID: **0710130-008BDUP**	SampType: **DUP**	TestCode: **PMOIST**	Units: **wt%**	Prep Date:				RunNo: **11573**				
Client ID: **TMCSD0801BB**	Batch ID: **R11573**	Method: **SM 2540 G**		Analysis Date: **10/20/2007**				SeqNo: **313142**				
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	38.2	1.00						40.9	6.8	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

e: *23-Oct-07*

Life Science Laboratories - Brittonfield

Percent Moisture DataSheet SM 2540 G

Analysis Date:	October 20, 2007
Batch ID:	R11504
LOQ/RL/PQL	1

Instrument ID:	Denver APX-200

#	LSL ID	Client ID	Sample Type		Dish Wt (g)	Dish Wt + Wet Samp (g)	Dish Wt +Dried Samp (g)		% Moisture	Dish Wt +Ashed Samp @ 550°C (g)		% Volatile Solids	Comments
1	CONTROL				1.2820		1.2813						
2	0710122-001A	[redacted]	SAMP		1.2807	11.4504	10.0467		13.80				
3	0710122-003A	[redacted]	SAMP		1.2857	10.7731	9.4029		14.44				
4	0710122-005A	[redacted]	SAMP		1.2891	15.0384	13.4420		11.61				
5	0710123-001B	FPM	SAMP		1.2851	13.1402	10.8470		19.34				
6	0710123-001BDUP	FPM	DUP		1.2871	11.7153	9.6119		20.17				
7	0710123-002B	FPM	SAMP		1.2867	11.4533	9.0926		23.22				
8	0710123-003B	FPM	SAMP		1.2860	12.6713	7.9195		41.74				
9	0710123-004B	FPM	SAMP		1.2850	13.9471	10.5391		26.91				
10	0710123-005B	FPM	SAMP		1.2880	13.3530	10.0905		27.04				
11	0710123-006B	FPM	SAMP		1.2920	13.1027	10.4009		22.88				
12	0710123-007B	FPM	SAMP		1.2819	11.4332	8.7078		26.85				
13	0710123-008B	FPM	SAMP		1.2896	10.7656	5.7229		53.22				
14	0710123-009B	FPM	SAMP		1.3007	12.4873	8.7049		33.81				
15	0710123-010B	FPM	SAMP		1.2811	11.5885	6.2650		51.65				
16	0710123-011B	FPM	SAMP		1.2845	14.6859	9.6744		36.85				
17	0710123-012B	FPM	SAMP		1.2941	10.1884	3.6823		73.15				
18	0710123-013B	FPM	SAMP		1.2956	11.5940	9.2514		22.75				
19	0710123-014B	FPM	SAMP		1.2894	10.3442	8.4663		20.74				
20	0710130-001B	FPM	SAMP		1.2764	11.0891	9.4749		16.45				
21	0710130-001BDUP	FPM	DUP		1.2849	11.1419	9.5437		16.21				
22	0710130-002B	FPM	SAMP		1.2889	12.2155	9.6608		23.38				
23	0710130-003B	FPM	SAMP		1.2843	11.6739	9.2414		23.41				
24	0710130-004B	FPM	SAMP		1.2900	12.1323	9.9123		20.48				
25													
26													
27													
28													
29													10/22/07
30													

Comments:

	Weight #1
Time on:	21:15
Oven Temp on:	103.0°C
Time Off:	7:30
Oven Temp off:	103.0°C
Oven Date Off:	10/22/07

Prep Start Date:	10/20/07
Prep Start Time:	20:30:00
Prep End Time:	21:00:00
Analyte	PMOIST

Analyst: OMEGA/CMT BrHb

Date: 10/22/07

Reviewed by: [signature]

Date: 10-23-07

QA Auth | Calc SEQ | Rslts

VAL	SeqNo	SampID	SampType	Analyte	RawVal	CalcVal	Qual	Tare Wt
☑	313144	0710122-001A	SAMP	Percent Moisture	13.8	13.8		0
☑	313145	0710122-003A	SAMP	Percent Moisture	14.4	14.4		0
☑	313146	0710122-005A	SAMP	Percent Moisture	11.6	11.6		0
☑	313147	0710123-001B	SAMP	Percent Moisture	19.3	19.3		0
☑	313148	0710123-001BDUP	DUP	Percent Moisture	20.2	20.2		0
☑	313149	0710123-002B	SAMP	Percent Moisture	23.2	23.2		0
☑	313150	0710123-003B	SAMP	Percent Moisture	41.7	41.7		0
☑	313151	0710123-004B	SAMP	Percent Moisture	26.9	26.9		0
☑	313152	0710123-005B	SAMP	Percent Moisture	27	27		0
☑	313153	0710123-006B	SAMP	Percent Moisture	22.9	22.9		0
☑	313154	0710123-007B	SAMP	Percent Moisture	26.8	26.8		0
☑	313155	0710123-008B	SAMP	Percent Moisture	53.2	53.2		0
☑	313156	0710123-009B	SAMP	Percent Moisture	33.8	33.8		0
☑	313157	0710123-010B	SAMP	Percent Moisture	51.6	51.6		0
☑	313158	0710123-011B	SAMP	Percent Moisture	36.8	36.8		0
☑	313159	0710123-012B	SAMP	Percent Moisture	73.1	73.1		0
☑	313160	0710123-013B	SAMP	Percent Moisture	22.7	22.7		0
☑	313161	0710123-014B	SAMP	Percent Moisture	20.7	20.7		0
☑	313162	0710130-001B	SAMP	Percent Moisture	16.5	16.5		0
☑	313163	0710130-001BDUP	DUP	Percent Moisture	16.2	16.2		0
☑	313164	0710130-002B	SAMP	Percent Moisture	23.4	23.4		0
☑	313165	0710130-003B	SAMP	Percent Moisture	23.4	23.4		0
☑	313166	0710130-004B	SAMP	Percent Moisture	20.5	20.5		0

QK 10/22/07

Life Science Laboratories - Brittonfield

Percent Moisture DataSheet SM 2540 G

Analysis Date:	October 20, 2007
Batch ID:	R11573
LOQ/RL/PQL	1

Instrument ID:	Denver APX-200

#	LSL ID	Client ID	Sample Type		Dish Wt (g)	Dish Wt + Wet Samp (g)	Dish Wt +Dried Samp (g)		% Moisture	Dish Wt +Ashed Samp @ 550°C (g)		% Volatile Solids	Comments
1	CONTRL				1.2936		1.2930						
2	0710130-005B	FPM	SAMP		1.2827	12.8704	9.3371		30.49				
3	0710130-006B	FPM	SAMP		1.2892	10.9694	8.8370		22.03				
4	0710130-007B	FPM	SAMP		1.2882	12.6500	9.4214		28.42				
5	0710130-008B	FPM	SAMP		1.2858	11.1117	7.0908		40.92				
6	0710130-008BDUP	FPM	DUP		1.2822	10.8060	7.1719		38.16				
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													

	Weight #1
Time on:	21:15
Oven Temp on:	103.0°C
Time Off:	7:30
Oven Temp off:	103.0°C
Oven Date Off:	10/22/07

Prep Start Date:	10/20/07
Prep Start Time:	21:00:00
Prep End Time:	21:15:00
Analyte	PMOIST

10/22/07

Comments:

Analyst: [signature]

Date: 10-23-07

Reviewed by: [signature]

Date: 10-23-07

QA Auth | Calc SEQ | Rslts

VAL	SeqNo	SampID	SampType	Analyte	RawVal	CalcVal	Tare Wt	Qual
☑	313138	0710130-005B	SAMP	Percent Moisture	30.5	30.5	0	
☑	313139	0710130-006B	SAMP	Percent Moisture	22	22	0	
☑	313140	0710130-007B	SAMP	Percent Moisture	28.4	28.4	0	
☑	313141	0710130-008B	SAMP	Percent Moisture	40.9	40.9	0	
☑	313142	0710130-008BDUP	DUP	Percent Moisture	38.2	38.2	0	

gk 10/22/15

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 **(315) 437-0200**

Friday, January 18, 2008

Niels van Hoesel
FPM Group
153 Brooks Road
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - TMC LTM-Sed
RE: Analytical Results Order No.: 0710130

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 8 sample(s) on 10/19/2007 for the analyses presented in the following report. This is an addendum report and contains Pesticide and PCB analysis only. All other requested analyses were reported in a earlier report.

Very truly yours,
Life Science Laboratories, Inc.

Monika Santucci

Monika Santucci
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-TMC LTM Sediment- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperatures of the coolers ranged from -0.8°C to 1.4°C.

This is an addendum report and contains Pesticide and PCB analysis only. All other requested analyses were reported in a earlier report.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Pesticides	8081A	1
PCBs	8082	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC Semi-Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order. #:	0710130
Methodology:	8081A

Analyzed/Reviewed by (Initials/Date): MCG 1-14-08

Supervisor/Reviewed by (Initials/Date): CR 1-15-08

QA/QC Review (Initials/Date): LW 1-16-08

File Name: G:\Narratives\GCSemi\0710130pstnar.doc

Pesticides

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples

All spike recoveries met method and/or project specific QC criteria.

Surrogates

The following samples did not meet criteria for surrogate recoveries for Tetrachloro-m-xylene (TCMX):

Sample Description	Sample #	Column	Corrective Action
TMCSD0801BB	0710130-008B	RTXCLP	1

1. One of the two surrogates met criteria, and TCMX met criteria on the other column, therefore no corrective action was taken. The sample results were qualified accordingly.

Calibrations

The following continuing calibration compound(s) exceeded method percent difference criteria:

Calibration Date	Time	Column	Compound	Corrective Action
11/16/07	06:02	RTXCLP & RTXCLP2	4,4' DDT	X

1. The CCVs analyzed earlier in the analytical sequence met criteria. Previous analyses of sediment samples from this site have confirmed that matrix affects from the samples have caused CCV failures, therefore no corrective action was taken. The sample results were qualified accordingly.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

GC Semi-Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order. #:	0710130
Methodology:	8081A

Miscellaneous

All samples were originally analyzed on 10/31/07 with both DDT and methoxychlor CCV failures. The samples were subsequently reanalyzed on 11/16/07 with improved QC. Only the analyses from 11/16 are reported. References are made to the 10/31/07 run to support repeated excursions.

GC Semivolatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order:	0710130
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): MW 1-17-08

Supervisor/Reviewed by (Initials/Date): [illegible] 1-17-08

QA/QC Review (Initials/Date): [illegible] 1-18-08

File Name: G:\Narratives\GCSemi\0710130pcbnar.doc

PCBs

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples

The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Column	Corrective Action
LCS-6440	Ar1016	DB1701	1
	Ar1260	DB1701	1
LCSD-6440	Ar1016	DB1701	1
	Ar1260	DB1701	1

1. These compounds failed high and were not detected in associated samples TMCSD0101BB [0710130-001B] and TMCSD0801BB [0710130-008B]. PCBs were detected in the other samples associated with this LCS and LCSD and the samples were re-extracted and the LCS and LCSD met criteria.

Surrogates

The following samples did not meet criteria for surrogate recoveries for Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
Prep Blank	MB-6440	DB-1701	1
Lab Control Sample	LCS-6440	DB-1701	2
Lab Control Sample Duplicate	LCSD-6440	DB-1701	2
TMCSD0801BB	0710130-008B	DB-1701	1

1. Surrogate recoveries exceeded the upper control limit, no PCBs were detected. No corrective action was taken.

2. Surrogate recoveries exceeded the upper control limit. Corrective action was taken to re-

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-Sed
Work Order:	0710130
Methodology:	8082

extract the samples within the QC batch with positive PCB results.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *17-Jan-08*

CLIENT: FPM Group
Project: Griffiss AFB - TMC LTM-Sed
Lab Order: 0710130

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710130-001A	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-001B	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-001C	TMCSD0101BB	TMCSW-13	10/18/2007	10/19/2007
0710130-002A	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-002B	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-002C	TMCSD0201BB	TMCSW-903	10/18/2007	10/19/2007
0710130-003A	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-003B	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-003C	TMCSD0301BB	TMCSW-902	10/18/2007	10/19/2007
0710130-004A	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-004B	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-004C	TMCSD0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710130-005A	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-005B	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-005C	TMCSD0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710130-006A	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-006B	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-006C	TMCSD0601BB	TMCSW-14	10/18/2007	10/19/2007
0710130-007A	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-007B	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-007C	TMCSD0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710130-008A	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710130-008B	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710130-008C	TMCSD0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-001B	TMCSD0101BB	10/18/2007 11:35:00 AM	Sediment	Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	10/30/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-001C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-002B	TMCSD0201BB	10/18/2007 1:45:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-002C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-003B	TMCSD0301BB	10/18/2007 10:20:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-003C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-004B	TMCSD0401BB	10/18/2007 9:45:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-004B	TMCSD0401BB	10/18/2007 9:45:00 AM	Sediment	Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-004C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-005B	TMCSD0501BB	10/18/2007 9:15:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-005C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-006B	TMCSD0601BB	10/18/2007 11:05:00 AM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-006C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-007B	TMCSD0701BB	10/18/2007 2:05:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/31/2007	11/5/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007

Lab Order: 0710130
Client: FPM Group
Project: Griffiss AFB - TMC LTM-Sed

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710130-007B	TMCSD0701BB	10/18/2007 2:05:00 PM	Sediment	Total Metals by ICP		10/26/2007	10/29/2007
0710130-007C				Volatile Organic Compounds by GC/MS			10/27/2007
0710130-008B	TMCSD0801BB	10/18/2007 1:15:00 PM		Mercury		10/31/2007	10/31/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Organochlorine Pesticides by GC/ECD		10/23/2007	11/16/2007
				Percent Moisture			10/20/2007
				Polychlorinated Biphenyls by GC/ECD		10/23/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Semivolatile Organic Compounds by GC/MS		10/25/2007	11/2/2007
				Total Metals by ICP		10/26/2007	10/29/2007
0710130-008C				Volatile Organic Compounds by GC/MS			10/27/2007

Chain of Custody

External Chain of Custody

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2007	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	VOCs note 1 40 mL vial	SVOCs, PCBs, Pest., metals mercury note 2 8 oz glass jar	Comments
TMCSD0101BB	TMCSW-13	10/18	1135	SE	G	N	0/0	5	1	3	1	Vial 678: 5 3gr., Vial 679: 5.6gr., Vial 680: 5.0gr.
TMCSD0201BB	TMCSW-903	10/18	1345	SE	G	N	0/0	5	1	3	1	Vial 687: 5 4gr., Vial 688: 5.1gr., Vial 689: 5.2gr.
TMCSD0301BB	TMCSW-902	10/18	1020	SE	G	N	0/0	5	1	3	1	Vial 675: 5 0gr., Vial 676: 5.6gr., Vial 677: 5.9gr.
TMCSD0401BB	RV-TMCFSS-4	10/18	0945	SE	G	N	0/0	5	1	3	1	Vial 672: 5 3gr., Vial 673: 5.1gr., Vial 674: 5.0gr.
TMCSD0501BB	RV-TMCFSS-5	10/18	0915	SE	G	N	0/0	5	1	3	1	Vial 693: 5 5gr., Vial 694: 5.5gr., Vial 695: 6.2gr.
TMCSD0601BB	TMCSW-14	10/18	1105	SE	G	N	0/0	5	1	3	1	Vial 684: 5 4gr., Vial 685: 5.2gr., Vial 686: 5.0gr.
TMCSD0701BB	RV-TMCSS-7	10/18	1405	SE	G	N	0/0	5	1	3	1	Vial 690: 5 3gr., Vial 691: 5.2gr., Vial 692: 5.0gr.
TMCSD0801BB	RV-TMCSS-8	10/18	1315	SE	G	N	0/0	5	1	3	1	Vial 681: 5 1gr., Vial 682: 5.0gr., Vial 683: 5.2gr.

Sample Condition Upon Receipt at Laboratory: Good, Custody Seals INTACT Cooler temperature: 1.4°, -0.8° C on ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.

Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List, PCBs: Method SW8082 for AFCEE QAPP 4.0 List, Pesticides: Method SW8081 for AFCEE QAPP 4.0 List.

Note 3: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date: 10/19/07
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name: LSL	Time: 945
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date: 10/19/07
Company Name: FPM Group Ltd	Time: 1200	Company Name: LSL	Time: 855	Company Name: LSL	Time: 0945

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

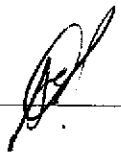
SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM** Date and Time Received: **10/19/2007 9:45:00 AM**

Work Order Number **0710130** Received by: ads

Checklist completed by: _____ Initials  Date 10/19/07 Reviewed by: MS Initials 10/19/07 Date

Matrix: Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action::

Client/Project 0710130 FPM Griffiss AFB

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001→008	B		HK	10-20-07 1825	PM015T	10-20-07 2130
-001→008	B		BW	10/23/07 13:30	3550S_8081S	14:20
-001→006	B		JR	10/25/07 905	8260/8270 Hg ICP Prep	1255 10/25/07 10/26/07 15:00
0710130-001→008	B		DR	10/26/07 08:15		
0710130-001→008	B		BW	10/29/07 8:35	Hg747 SAF	
0710130-002-007	B		G.L.	10-31-07 15:20	8082SAF	10-31-07 16:35

G:\QAQC\forms\GeneralLaboratory\Sign out.xls

Internal Chain of Custody

GC SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6435 **Date Extracted:** 10-23-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
FPM	0710130-001B → 008B	10-26-07 11:10		0710130-001 → 008B	11/15/07 14:20	SLS	8081A	11/16/07 9:10	SLS

Reviewed by: _____ Date: 1-16-08

G:\Logbooks 2006\Organics\SVOA37.SampleControl Revised

GC SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6440 **Date Extracted:** 10-23-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
FPM	0710130-001B → 008B	10-25-07 17:00	GL	0710130-001 - 008B	10/29/07 10:30	SR	8082	10/30/07 9:15	SR
				0710130-008	10/30/07 9:15	SR	8082	10/31/07 8:10	SR

Reviewed by: _____ Date: 1-10-08

GC SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6500 **Date Extracted:** 10-31-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
FFM	0710130 - 002BRe → 007BRe	11-2-07 8:50		0710130 - 002-7B	11/5/07 8:45	SSc	8082	11/6/07 8:30	SSc

Reviewed by: _____ Date: 1-10-08

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/17/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111528.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00018	0.0020	0.00018	1	0.00018	U
beta-BHC	0.00051	0.0020	0.00051	1	0.00051	U
delta-BHC	0.00011	0.0020	0.00011	1	0.00011	U
gamma-BHC	0.00019	0.0020	0.00019	1	0.00019	U
alpha-Chlordane	0.00020	0.0020	0.00020	1	0.00020	U
gamma-Chlordane	0.00014	0.0020	0.00014	1	0.00014	U
4,4'-DDD	0.00017	0.0040	0.00017	1	0.00017	U
4,4'-DDE	0.00013	0.0040	0.00013	1	0.00013	U
4,4'-DDT	0.00018	0.0040	0.00018	1	0.00018	UQ
Aldrin	0.00016	0.0020	0.00016	1	0.00016	U
Endosulfan I	0.00014	0.0020	0.00014	1	0.00014	U
Endosulfan sulfate	0.00025	0.0040	0.00025	1	0.00025	U
Endrin	0.00017	0.0040	0.00017	1	0.00017	U
Endrin aldehyde	0.00041	0.0040	0.00041	1	0.00041	U
Heptachlor	0.00018	0.0020	0.00018	1	0.00018	U
Heptachlor epoxide	0.00018	0.0020	0.00018	1	0.00018	U
Methoxychlor	0.00037	0.020	0.00037	1	0.00037	U
Toxaphene	0.0077	0.12	0.0077	1	0.0077	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	56 - 132	
Tetrachloro-m-xylene	91	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111528.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00014	0.0040	0.00056	1	0.00048	F
Endosulfan II	0.00012	0.0040	0.00040	1	0.00016	FJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	56 - 132	
Tetrachloro-m-xylene	98	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111529.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00020	0.0022	0.00020	1	0.00020	U
beta-BHC	0.00056	0.0022	0.00056	1	0.00056	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00016	0.0022	0.00016	1	0.00016	U
4,4'-DDD	0.00018	0.0043	0.0029	1	0.00020	FJ
4,4'-DDE	0.00014	0.0043	0.00014	1	0.00014	U
4,4'-DDT	0.00020	0.0043	0.00020	1	0.00020	UQ
Aldrin	0.00017	0.0022	0.00017	1	0.00017	U
Endosulfan I	0.00016	0.0022	0.00016	1	0.00016	U
Endosulfan II	0.00013	0.0043	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0043	0.00027	1	0.00027	U
Endrin aldehyde	0.00044	0.0043	0.00044	1	0.00044	U
Heptachlor	0.00020	0.0022	0.00020	1	0.00020	U
Heptachlor epoxide	0.00020	0.0022	0.00020	1	0.00020	U
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0084	0.13	0.0084	1	0.0084	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	84	56 - 132	
Tetrachloro-m-xylene	88	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111529.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00016	0.0043	0.0025	1	0.0016	FJ
Endrin	0.00018	0.0043	0.0011	1	0.00078	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	56 - 132	
Tetrachloro-m-xylene	90	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111530.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00020	0.0022	0.00020	1	0.00020	U
beta-BHC	0.00056	0.0022	0.00056	1	0.00056	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00016	0.0022	0.00016	1	0.00016	U
4,4'-DDD	0.00018	0.0043	0.0028	1	0.0020	F
4,4'-DDE	0.00014	0.0043	0.0037	1	0.0035	F
4,4'-DDT	0.00020	0.0043	0.00020	1	0.00020	UQ
Aldrin	0.00017	0.0022	0.0010	1	0.00096	F
Endosulfan I	0.00016	0.0022	0.00016	1	0.00016	U
Endosulfan II	0.00013	0.0043	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0043	0.00027	1	0.00027	U
Endrin	0.00018	0.0043	0.00018	1	0.00018	U
Endrin aldehyde	0.00044	0.0043	0.00044	1	0.00044	U
Heptachlor	0.00020	0.0022	0.00020	1	0.00020	U
Heptachlor epoxide	0.00020	0.0022	0.00048	1	0.00048	F
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0084	0.13	0.0084	1	0.0084	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	80	56 - 132	
Tetrachloro-m-xylene	82	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111530.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00016	0.0043	0.0065	1	0.0045	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	56 - 132	
Tetrachloro-m-xylene	88	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111531.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00019	0.0021	0.00019	1	0.00019	U
beta-BHC	0.00054	0.0021	0.00054	1	0.00054	U
delta-BHC	0.00011	0.0021	0.00011	1	0.00011	U
gamma-BHC	0.00020	0.0021	0.00020	1	0.00020	U
alpha-Chlordane	0.00021	0.0021	0.00021	1	0.00021	U
gamma-Chlordane	0.00015	0.0021	0.00015	1	0.00015	U
4,4´-DDD	0.00018	0.0042	0.0045	1	0.0011	J
4,4´-DDE	0.00014	0.0042	0.00014	1	0.00014	U
4,4´-DDT	0.00019	0.0042	0.00019	1	0.00019	UQ
Aldrin	0.00016	0.0021	0.00016	1	0.00016	U
Endosulfan I	0.00015	0.0021	0.00015	1	0.00015	U
Endosulfan sulfate	0.00026	0.0042	0.00026	1	0.00026	U
Endrin	0.00018	0.0042	0.00018	1	0.00018	U
Endrin aldehyde	0.00043	0.0042	0.00043	1	0.00043	U
Heptachlor	0.00019	0.0021	0.00019	1	0.00019	U
Methoxychlor	0.00039	0.021	0.00039	1	0.00039	U
Toxaphene	0.0081	0.13	0.0081	1	0.0081	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	78	56 - 132	
Tetrachloro-m-xylene	82	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111531.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00015	0.0042	0.0068	1	0.0036	J
Endosulfan II	0.00013	0.0042	0.0039	1	0.00037	FJ
Heptachlor epoxide	0.00019	0.0021	0.00075	1	0.00067	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	96	56 - 132	
Tetrachloro-m-xylene	94	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111532.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00022	0.0024	0.00022	1	0.00022	U
beta-BHC	0.00062	0.0024	0.00062	1	0.00062	U
delta-BHC	0.00013	0.0024	0.00013	1	0.00013	U
gamma-BHC	0.00023	0.0024	0.00023	1	0.00023	U
alpha-Chlordane	0.00024	0.0024	0.00024	1	0.00024	U
gamma-Chlordane	0.00017	0.0024	0.00017	1	0.00017	U
4,4'-DDD	0.00020	0.0047	0.0055	1	0.0025	J
4,4'-DDT	0.00022	0.0047	0.00022	1	0.00022	UQ
Aldrin	0.00019	0.0024	0.00019	1	0.00019	U
Endosulfan I	0.00017	0.0024	0.00017	1	0.00017	U
Endosulfan II	0.00014	0.0047	0.00014	1	0.00014	U
Endosulfan sulfate	0.00030	0.0047	0.00030	1	0.00030	U
Endrin	0.00020	0.0047	0.00020	1	0.00020	U
Endrin aldehyde	0.00049	0.0047	0.00049	1	0.00049	U
Heptachlor	0.00022	0.0024	0.00022	1	0.00022	U
Methoxychlor	0.00045	0.024	0.00045	1	0.00045	U
Toxaphene	0.0092	0.14	0.0092	1	0.0092	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	73	56 - 132	
Tetrachloro-m-xylene	75	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111532.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
4,4'-DDE	0.00016	0.0047	0.0018	1	0.00062	FJ
Dieldrin	0.00017	0.0047	0.013	1	0.0085	J
Heptachlor epoxide	0.00022	0.0024	0.0024	1	0.0011	J

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	56 - 132	
Tetrachloro-m-xylene	86	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111533.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00019	0.0022	0.00019	1	0.00019	U
beta-BHC	0.00055	0.0022	0.00055	1	0.00055	U
delta-BHC	0.00012	0.0022	0.00012	1	0.00012	U
gamma-BHC	0.00021	0.0022	0.00021	1	0.00021	U
alpha-Chlordane	0.00022	0.0022	0.00022	1	0.00022	U
gamma-Chlordane	0.00015	0.0022	0.00015	1	0.00015	U
4,4'-DDD	0.00018	0.0042	0.0021	1	0.00043	FJ
4,4'-DDE	0.00014	0.0042	0.00014	1	0.00014	U
4,4'-DDT	0.00019	0.0042	0.00019	1	0.00019	UQ
Aldrin	0.00017	0.0022	0.00017	1	0.00017	U
Endosulfan I	0.00015	0.0022	0.00015	1	0.00015	U
Endosulfan II	0.00013	0.0042	0.00013	1	0.00013	U
Endosulfan sulfate	0.00027	0.0042	0.00027	1	0.00027	U
Endrin	0.00018	0.0042	0.00018	1	0.00018	U
Endrin aldehyde	0.00044	0.0042	0.00044	1	0.00044	U
Heptachlor	0.00019	0.0022	0.00019	1	0.00019	U
Heptachlor epoxide	0.00019	0.0022	0.00019	1	0.00019	U
Methoxychlor	0.00040	0.022	0.00040	1	0.00040	U
Toxaphene	0.0082	0.13	0.0082	1	0.0082	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	69	56 - 132	
Tetrachloro-m-xylene	80	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111533.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00015	0.0042	0.0033	1	0.00021	FJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	56 - 132	
Tetrachloro-m-xylene	93	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111534.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00021	0.0024	0.00021	1	0.00021	U
beta-BHC	0.00060	0.0024	0.00060	1	0.00060	U
delta-BHC	0.00013	0.0024	0.00013	1	0.00013	U
gamma-BHC	0.00022	0.0024	0.00022	1	0.00022	U
alpha-Chlordane	0.00024	0.0024	0.00093	1	0.00042	FJ
gamma-Chlordane	0.00017	0.0024	0.00017	1	0.00017	U
4,4'-DDD	0.00020	0.0046	0.0038	1	0.0017	FJ
4,4'-DDE	0.00015	0.0046	0.00015	1	0.00015	U
4,4'-DDT	0.00021	0.0046	0.00021	1	0.00021	UQ
Aldrin	0.00018	0.0024	0.00018	1	0.00018	U
Endosulfan I	0.00017	0.0024	0.00017	1	0.00017	U
Endosulfan sulfate	0.00029	0.0046	0.00029	1	0.00029	U
Endrin	0.00020	0.0046	0.00020	1	0.00020	U
Endrin aldehyde	0.00047	0.0046	0.00047	1	0.00047	U
Heptachlor	0.00021	0.0024	0.00021	1	0.00021	U
Methoxychlor	0.00043	0.024	0.00043	1	0.00043	U
Toxaphene	0.0089	0.14	0.0089	1	0.0089	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	64	56 - 132	
Tetrachloro-m-xylene	71	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111534.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.00017	0.0046	0.0065	1	0.0052	
Endosulfan II	0.00014	0.0046	0.0064	1	0.00035	J
Heptachlor epoxide	0.00021	0.0024	0.0013	1	0.00051	FJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	56 - 132	
Tetrachloro-m-xylene	89	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111535.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.00025	0.0029	0.00025	1	0.00025	UJ
beta-BHC	0.00073	0.0029	0.00073	1	0.00073	UJ
delta-BHC	0.00015	0.0029	0.00015	1	0.00015	UJ
gamma-BHC	0.00027	0.0029	0.00027	1	0.00027	UJ
alpha-Chlordane	0.00029	0.0029	0.00029	1	0.00029	UJ
gamma-Chlordane	0.00020	0.0029	0.00020	1	0.00020	UJ
4,4´-DDD	0.00024	0.0056	0.00024	1	0.00024	UJ
4,4´-DDE	0.00019	0.0056	0.0020	1	0.00030	FJ
4,4´-DDT	0.00025	0.0056	0.00025	1	0.00025	UJQ
Aldrin	0.00022	0.0029	0.00022	1	0.00022	UJ
Dieldrin	0.00020	0.0056	0.00020	1	0.00020	UJ
Endosulfan I	0.00020	0.0029	0.00020	1	0.00020	UJ
Endosulfan sulfate	0.00036	0.0056	0.00036	1	0.00036	UJ
Endrin	0.00024	0.0056	0.00024	1	0.00024	UJ
Endrin aldehyde	0.00058	0.0056	0.00058	1	0.00058	UJ
Heptachlor	0.00025	0.0029	0.00025	1	0.00025	UJ
Heptachlor epoxide	0.00025	0.0029	0.00025	1	0.00025	UJ
Methoxychlor	0.00052	0.029	0.00052	1	0.00052	UJ
Toxaphene	0.011	0.17	0.011	1	0.011	UJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	61	56 - 132	
Tetrachloro-m-xylene	68	69 - 124	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3550B	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111535.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	16-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Endosulfan II	0.00017	0.0056	0.00045	1	0.00037	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	56 - 132	
Tetrachloro-m-xylene	89	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0101BB	0710130-001B
TMCSD0801BB	0710130-008B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSD0201BB	0710130-002B
TMCSD0301BB	0710130-003B
TMCSD0401BB	0710130-004B
TMCSD0501BB	0710130-005B
TMCSD0601BB	0710130-006B
TMCSD0701BB	0710130-007B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6440
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0101BB	**Lab Sample ID:**	0710130-001B	**Matrix:**	Sediment
% Solids:	83.50	**Initial Calibration ID:**	1113	**File ID:**	F:\90oct07\C102931.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	30-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00262	0.0204	0.00262	1		U
Aroclor 1221	0.00266	0.0204	0.00266	1		U
Aroclor 1232	0.00162	0.0204	0.00162	1		U
Aroclor 1242	0.00219	0.0204	0.00219	1		U
Aroclor 1248	0.00428	0.0204	0.00428	1		U
Aroclor 1254	0.00568	0.0204	0.00568	1		U
Aroclor 1260	0.00240	0.0204	0.00240	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	119	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0201BB	**Lab Sample ID:**	0710130-002B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110506.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00286	0.0222	0.00286	1		U
Aroclor 1221	0.00290	0.0222	0.00290	1		U
Aroclor 1232	0.00176	0.0222	0.00176	1		U
Aroclor 1242	0.00239	0.0222	0.00239	1		U
Aroclor 1248	0.00466	0.0222	0.00466	1		U
Aroclor 1254	0.00619	0.0222	0.00619	1		U
Aroclor 1260	0.00261	0.0222	0.0167	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	111	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0301BB	**Lab Sample ID:**	0710130-003B	**Matrix:**	Sediment
% Solids:	76.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110507.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00286	0.0222	0.00286	1		U
Aroclor 1221	0.00290	0.0222	0.00290	1		U
Aroclor 1232	0.00176	0.0222	0.00176	1		U
Aroclor 1242	0.00239	0.0222	0.00239	1		U
Aroclor 1248	0.00466	0.0222	0.00466	1		U
Aroclor 1254	0.00619	0.0222	0.00619	1		U
Aroclor 1260	0.00261	0.0222	0.0381	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0401BB	**Lab Sample ID:**	0710130-004B	**Matrix:**	Sediment
% Solids:	79.50	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110508.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00275	0.0214	0.00275	1		U
Aroclor 1221	0.00279	0.0214	0.00279	1		U
Aroclor 1232	0.00170	0.0214	0.00170	1		U
Aroclor 1242	0.00230	0.0214	0.00230	1		U
Aroclor 1248	0.00449	0.0214	0.00449	1		U
Aroclor 1254	0.00596	0.0214	0.00596	1		U
Aroclor 1260	0.00252	0.0214	0.0671	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	108	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0501BB	**Lab Sample ID:**	0710130-005B	**Matrix:**	Sediment
% Solids:	69.50	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110509.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00315	0.0245	0.00315	1		U
Aroclor 1221	0.00319	0.0245	0.00319	1		U
Aroclor 1232	0.00194	0.0245	0.00194	1		U
Aroclor 1242	0.00263	0.0245	0.00263	1		U
Aroclor 1248	0.00514	0.0245	0.00514	1		U
Aroclor 1254	0.00682	0.0245	0.00682	1		U
Aroclor 1260	0.00288	0.0245	0.116	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0601BB	**Lab Sample ID:**	0710130-006B	**Matrix:**	Sediment
% Solids:	78.00	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110510.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00281	0.0218	0.00281	1		U
Aroclor 1221	0.00285	0.0218	0.00285	1		U
Aroclor 1232	0.00173	0.0218	0.00173	1		U
Aroclor 1242	0.00235	0.0218	0.00235	1		U
Aroclor 1248	0.00458	0.0218	0.0167	1		F
Aroclor 1254	0.00608	0.0218	0.00608	1		U
Aroclor 1260	0.00256	0.0218	0.00256	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	100	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0701BB	**Lab Sample ID:**	0710130-007B	**Matrix:**	Sediment
% Solids:	71.60	**Initial Calibration ID:**	1112	**File ID:**	E:\90nov07\D110511.rst
Date Received:	19-Oct-07	**Date Extracted:**	31-Oct-07	**Date Analyzed:**	05-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00306	0.0237	0.00306	1		U
Aroclor 1221	0.00310	0.0237	0.00310	1		U
Aroclor 1232	0.00189	0.0237	0.00189	1		U
Aroclor 1242	0.00256	0.0237	0.00256	1		U
Aroclor 1248	0.00499	0.0237	0.00499	1		U
Aroclor 1254	0.00662	0.0237	0.00662	1		U
Aroclor 1260	0.00279	0.0237	0.101	1		

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	106	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3550B	**AAB #:**	6440
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSD0801BB	**Lab Sample ID:**	0710130-008B	**Matrix:**	Sediment
% Solids:	59.10	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103018.rst
Date Received:	19-Oct-07	**Date Extracted:**	23-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	mg/Kg			**Sample Size:**	30 g

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.00371	0.0288	0.00371	1		U
Aroclor 1221	0.00376	0.0288	0.00376	1		U
Aroclor 1232	0.00228	0.0288	0.00228	1		U
Aroclor 1242	0.00310	0.0288	0.00310	1		U
Aroclor 1248	0.00604	0.0288	0.00604	1		U
Aroclor 1254	0.00802	0.0288	0.00802	1		U
Aroclor 1260	0.00338	0.0288	0.00338	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	127	58 - 125	*

Comments:

Quality Control Results

Pesticide Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8081A	**AAB #:**	11827
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT 57G	**Date of Initial Calibration:**	11-Nov-07
Initial Calibration ID:	1110	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File E:\Methods\GAB110707.mth
Printed by : manager on: 11/27/07 14:59:51
Created by : manager on: 11/08/07 11:05:48
Edited by : manager on: 11/26/07 08:55:31
Number of Times Edited : 14
Number of Times Calibrated : 109
Description: PESTICIDE IND."AB" CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 4.339 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8742.71	2721.47			1
5	0.0050	17697.51	5521.19			1
4	0.0100	35822.53	10967.94			1
3	0.0200	69275.77	21515.47			1
2	0.0400	134694.03	41412.74			1
1	0.0800	258909.97	78575.74			1

Average Calibration Factor = 3.472011e+06 (%RSD = 4.32)

ALPHA-BHC
Component Type : Single Peak Component
Retention Time : 5.318 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8293.06	2719.54			1
5	0.0050	16597.47	5483.66			1
4	0.0100	31830.00	10531.32			1
3	0.0200	69910.77	23804.09			1
2	0.0400	141740.41	48782.23			1
1	0.0800	304417.00	104929.44			1

Average Calibration Factor = 3.467033e+06 (%RSD = 6.10)

LINDANE
Component Type : Single Peak Component
Retention Time : 5.917 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8391.42	2759.33	----------	----------	1
5	0.0050	16726.00	5563.38	----------	----------	1
4	0.0100	31904.03	10573.53	----------	----------	1
3	0.0200	69422.18	23560.10	----------	----------	1
2	0.0400	138662.39	47387.60	----------	----------	1
1	0.0800	289562.59	98856.65	----------	----------	1

Average Calibration Factor = 3.431538e+06 (%RSD = 4.28)

B-BHC
Component Type : Single Peak Component
Retention Time : 6.093 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5712.28	1860.89	----------	----------	1
5	0.0050	11348.60	3706.85	----------	----------	1
4	0.0100	21239.56	6891.14	----------	----------	1
3	0.0200	44692.33	14534.12	----------	----------	1
2	0.0400	84559.34	27304.66	----------	----------	1
1	0.0800	164324.25	53075.54	----------	----------	1

Average Calibration Factor = 2.196074e+06 (%RSD = 5.50)

D-BHC
Component Type : Single Peak Component
Retention Time : 6.438 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	7846.32	2592.79	----------	----------	1
5	0.0050	15707.14	5225.57	----------	----------	1
4	0.0100	30001.37	10050.09	----------	----------	1
3	0.0200	66092.04	22534.24	----------	----------	1
2	0.0400	134627.06	46411.50	----------	----------	1
1	0.0800	284482.56	98133.30	----------	----------	1

Average Calibration Factor = 3.272862e+06 (%RSD = 5.82)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 6.846 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9250.88	2981.07	----------	----------	1
5	0.0050	18210.12	5830.36	----------	----------	1
4	0.0100	33623.22	10745.06	----------	----------	1
3	0.0200	69185.16	21967.25	----------	----------	1
2	0.0400	130021.46	41294.63	----------	----------	1
1	0.0800	248497.97	79340.82	----------	----------	1

Average Calibration Factor = 3.445816e+06 (%RSD = 7.85)

ALDRIN
Component Type : Single Peak Component
Retention Time : 7.452 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8059.45	2614.53	----------	----------	1
5	0.0050	15948.70	5177.87	----------	----------	1
4	0.0100	29872.34	9620.03	----------	----------	1
3	0.0200	62427.43	20344.95	----------	----------	1
2	0.0400	119574.81	39285.01	----------	----------	1
1	0.0800	239081.56	79220.78	----------	----------	1

Average Calibration Factor = 3.105724e+06 (%RSD = 4.83)

HEPTACHLOR EPOXIDE
Component Type : Single Peak Component
Retention Time : 8.723 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9123.33	2926.96	----------	----------	1
5	0.0050	17963.48	5757.64	----------	----------	1
4	0.0100	33208.75	10581.87	----------	----------	1
3	0.0200	68302.23	21928.10	----------	----------	1
2	0.0400	128113.54	41284.64	----------	----------	1
1	0.0800	247553.69	79833.42	----------	----------	1

Average Calibration Factor = 3.404555e+06 (%RSD = 7.62)

G-CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.982 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9157.27	2923.81	----------	----------	1
5	0.0050	17903.47	5716.60	----------	----------	1
4	0.0100	33027.98	10509.45	----------	----------	1
3	0.0200	68034.30	21751.17	----------	----------	1
2	0.0400	128368.79	41366.86	----------	----------	1
1	0.0800	250764.39	81488.84	----------	----------	1

Average Calibration Factor = 3.407419e+06 (%RSD = 7.44)

A-CHLORDANE
Component Type : Single Peak Component
Retention Time : 9.263 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9220.54	2962.09	----------	----------	1
5	0.0050	18060.62	5787.74	----------	----------	1
4	0.0100	33541.65	10711.38	----------	----------	1
3	0.0200	69209.74	22313.24	----------	----------	1
2	0.0400	130813.24	42078.64	----------	----------	1
1	0.0800	255212.96	82606.11	----------	----------	1

Average Calibration Factor = 3.454860e+06 (%RSD = 6.96)

4-4-DDE
Component Type : Single Peak Component
Retention Time : 9.464 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	13729.28	4506.43	----------	----------	1
5	0.0100	27069.58	8935.96	----------	----------	1
4	0.0200	50869.03	16960.86	----------	----------	1
3	0.0400	108514.02	36607.41	----------	----------	1
2	0.0800	214916.76	73043.40	----------	----------	1
1	0.1600	440282.20	147590.35	----------	----------	1

Average Calibration Factor = 2.710291e+06 (%RSD = 3.79)

ENDOSULFAN I
Component Type : Single Peak Component
Retention Time : 9.545 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8812.87	2768.86	----------	----------	1
5	0.0050	17379.74	5454.61	----------	----------	1
4	0.0100	32294.73	10040.70	----------	----------	1
3	0.0200	66862.10	20894.55	----------	----------	1
2	0.0400	125219.59	39152.77	----------	----------	1
1	0.0800	241487.36	76188.88	----------	----------	1

Average Calibration Factor = 3.311607e+06 (%RSD = 7.19)

DIELDRIN
Component Type : Single Peak Component
Retention Time : 10.055 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15108.45	4773.88	----------	----------	1
5	0.0100	29575.51	9325.25	----------	----------	1
4	0.0200	54828.11	17354.58	----------	----------	1
3	0.0400	115209.55	36263.00	----------	----------	1
2	0.0800	219220.75	69858.94	----------	----------	1
1	0.1600	426486.38	135364.43	----------	----------	1

Average Calibration Factor = 2.855431e+06 (%RSD = 6.24)

ENDRIN
Component Type : Single Peak Component
Retention Time : 10.542 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	12422.73	3912.77	----------	----------	1
5	0.0100	24600.38	7669.52	----------	----------	1
4	0.0200	46034.42	14321.02	----------	----------	1
3	0.0400	95563.04	29937.91	----------	----------	1
2	0.0800	181667.37	57188.80	----------	----------	1
1	0.1600	353110.68	110873.51	----------	----------	1

Average Calibration Factor = 2.369448e+06 (%RSD = 5.88)

4-4-DDD
Component Type : Single Peak Component
Retention Time : 10.740 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	10923.93	3506.18	----------	----------	1
5	0.0100	21573.75	6885.09	----------	----------	1
4	0.0200	40217.29	12788.96	----------	----------	1
3	0.0400	83793.21	26819.25	----------	----------	1
2	0.0800	159133.11	51509.12	----------	----------	1
1	0.1600	310929.01	101487.67	----------	----------	1

Average Calibration Factor = 2.078560e+06 (%RSD = 5.94)

ENDOSULFAN II
Component Type : Single Peak Component
Retention Time : 11.026 min
Search Window : 1.18 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15939.31	4937.19	----------	----------	1
5	0.0100	31009.34	9579.41	----------	----------	1
4	0.0200	57499.96	17785.24	----------	----------	1
3	0.0400	120280.97	37064.86	----------	----------	1
2	0.0800	226482.83	69780.25	----------	----------	1
1	0.1600	435344.09	132493.82	----------	----------	1

Average Calibration Factor = 2.975930e+06 (%RSD = 7.23)

4-4-DDT
Component Type : Single Peak Component
Retention Time : 11.335 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	11657.56	3723.72	----------	----------	1
5	0.0100	23353.13	7434.51	----------	----------	1
4	0.0200	44028.27	14101.78	----------	----------	1
3	0.0400	93075.14	29874.08	----------	----------	1
2	0.0800	180848.71	58281.66	----------	----------	1
1	0.1600	360066.30	116396.03	----------	----------	1

Average Calibration Factor = 2.300548e+06 (%RSD = 3.49)

ENDRIN ALDEHYDE
Component Type : Single Peak Component
Retention Time : 11.940 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	13863.18	4237.36	----------	----------	1
5	0.0100	27265.26	8224.75	----------	----------	1
4	0.0200	49791.88	14965.68	----------	----------	1
3	0.0400	100943.42	30284.66	----------	----------	1
2	0.0800	186323.01	55862.32	----------	----------	1
1	0.1600	350718.80	104564.66	----------	----------	1

Average Calibration Factor = 2.524816e+06 (%RSD = 10.07)

METHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 12.419 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0240	31175.17	9806.92	----------	----------	1
5	0.0500	59461.98	18635.47	----------	----------	1
4	0.1000	108002.19	33864.94	----------	----------	1
3	0.2000	216086.08	67474.13	----------	----------	1
2	0.4000	388250.87	120237.55	----------	----------	1
1	0.8000	696264.74	213617.39	----------	----------	1

Calibration Curve : y = (6696.661263) + (1065004.358847)x + (-254673.462261)x^2 + (0.000000)x^3
R-squared : 0.999799

ENDOSULFAN SULFATE
Component Type : Single Peak Component
Retention Time : 12.883 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15883.29	4834.37	----------	----------	1
5	0.0100	30429.85	9133.48	----------	----------	1
4	0.0200	55753.52	16651.77	----------	----------	1
3	0.0400	115233.61	34208.61	----------	----------	1
2	0.0800	213180.97	63349.09	----------	----------	1
1	0.1600	403394.42	118200.92	----------	----------	1

Average Calibration Factor = 2.867750e+06 (%RSD = 9.78)

ENDRIN KETONE
Component Type : Single Peak Component
Retention Time : 13.469 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window

11/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	17388.80	5182.87	----------	----------	1
5	0.0100	33484.16	9974.03	----------	----------	1
4	0.0200	61718.27	18562.56	----------	----------	1
3	0.0400	127706.32	38442.71	----------	----------	1
2	0.0800	240168.25	72194.14	----------	----------	1
1	0.1600	454655.30	134260.30	----------	----------	1

Average Calibration Factor = 3.182225e+06 (%RSD = 8.66)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 15.693 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	10185.57	3092.54	----------	----------	1
5	0.0050	20243.50	6092.93	----------	----------	1
4	0.0100	39805.28	11779.75	----------	----------	1
3	0.0200	73426.22	21586.72	----------	----------	1
2	0.0400	135233.00	39255.35	----------	----------	1
1	0.0800	243385.37	70474.11	----------	----------	1

Calibration Curve : y = (2412.246274) + (3680543.469807)x + (-8382850.307607)x^2 + (0.000000)x^3
R-squared : 0.999879

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
8742.71	2721.47	0.0024	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
17697.51	5521.19	0.0050	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
35822.53	10967.94	0.0100	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110707.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
69275.77	21515.47	0.0200	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110706.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
134694.03	41412.74	0.0400	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110705.rst

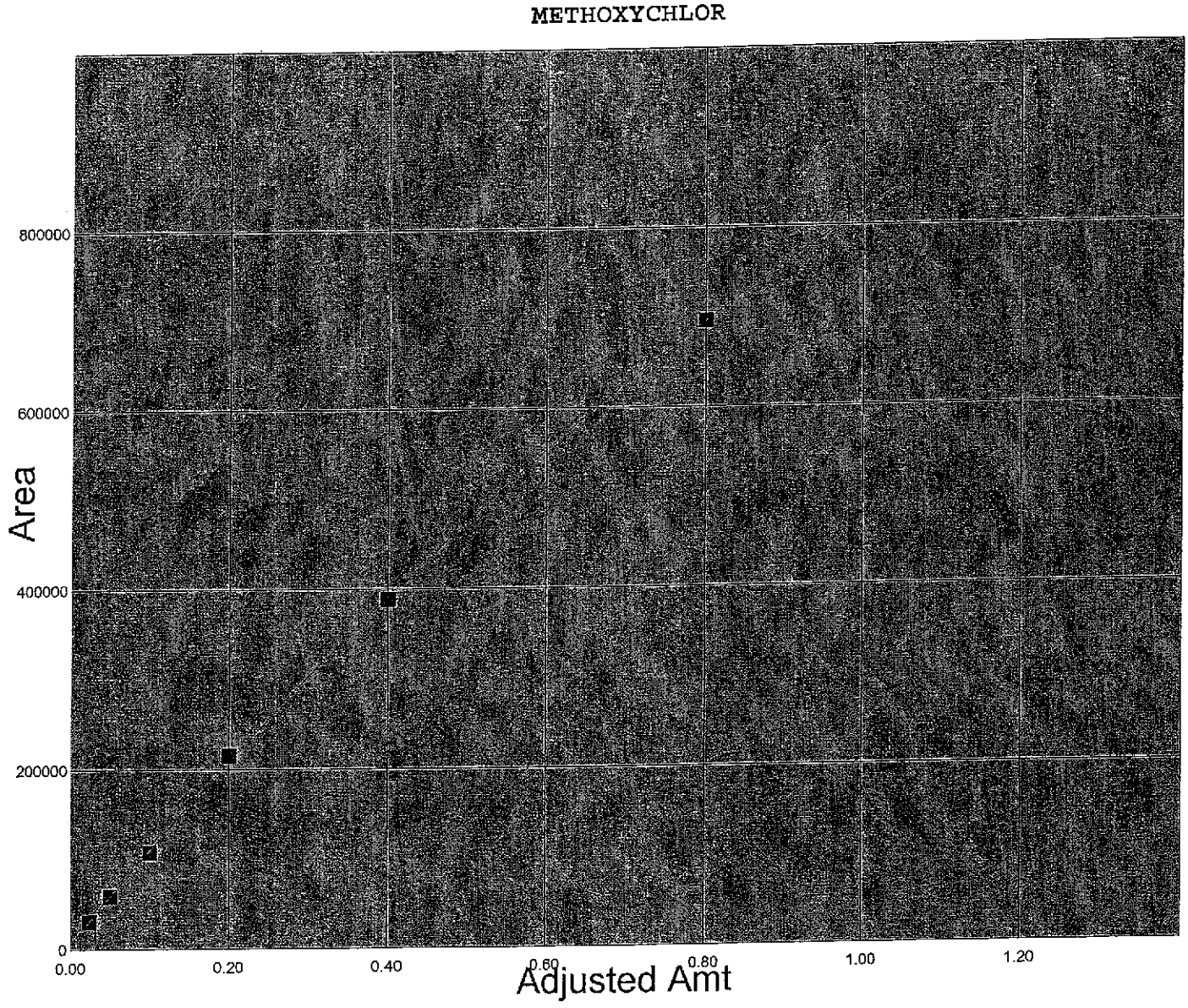
Fit Analysis Output For Method File: E:\METHODS\GAB110707.MTH
Component Name : METHOXYCHLOR
Date : 11/27/07 15:01:32

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999799
Calibration Curve : Y = (6696.661263) +(1065004.358847) X +(-254673.462261) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.024000	0.023112	0.000888	3.841	31175.167013	32110.074	-934.907	-2.912
5	0.050000	0.050146	-1.460e-04	-0.291	59461.975858	59310.196	151.780	0.256
4	0.100000	0.097390	0.002610	2.680	108002.187981	110650.363	-2648.175	-2.393
3	0.200000	0.206840	-0.006840	-3.307	216086.075650	209510.595	6575.481	3.138
2	0.400000	0.395710	0.004290	1.084	388250.866031	391950.651	-3699.785	-0.944
1	0.800000	0.800845	-8.453e-04	-0.106	696264.737378	695709.132	555.605	0.080



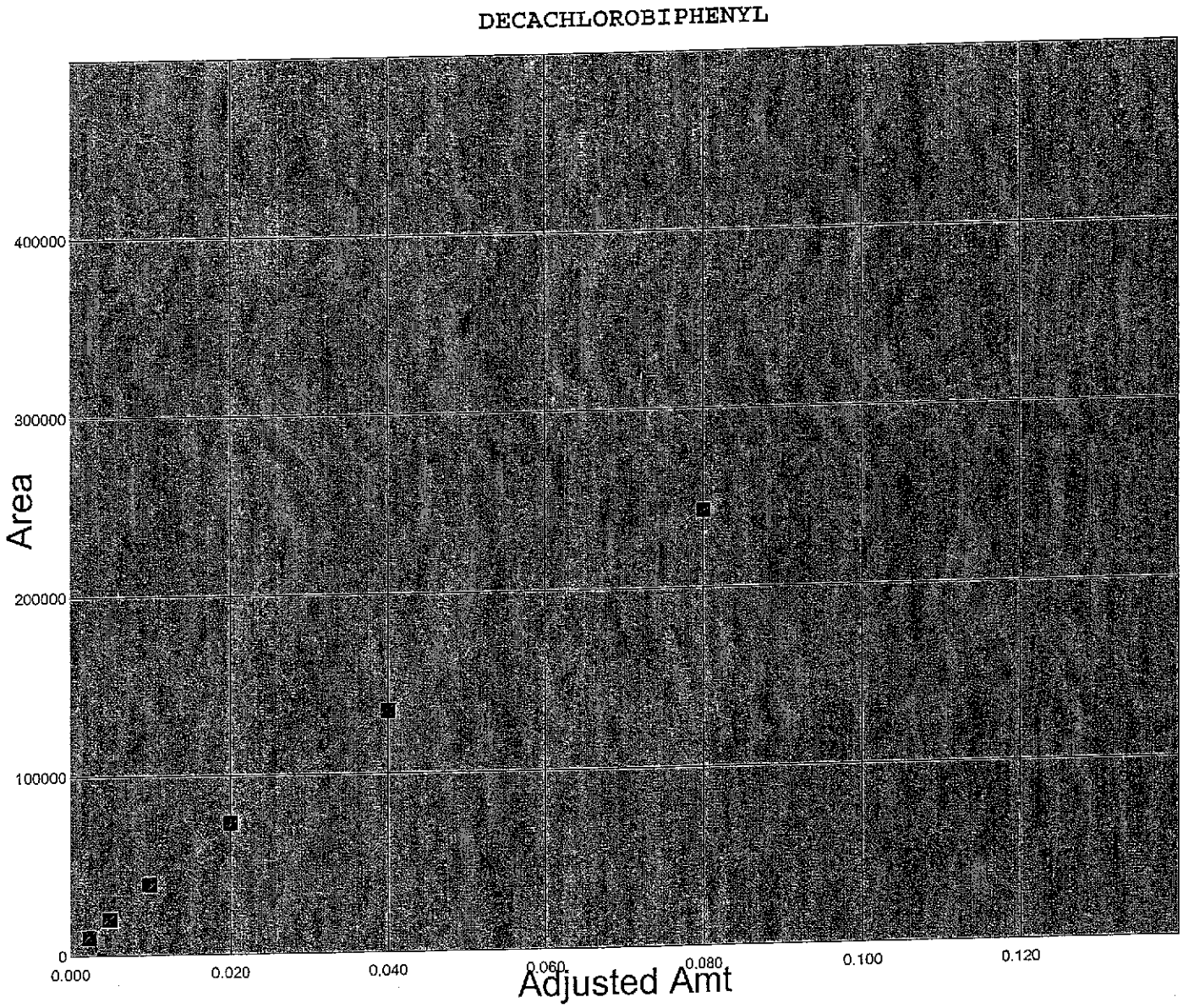
Fit Analysis Output For Method File: E:\METHODS\GAB110707.MTH
Component Name : DECACHLOROBIPHENYL
Date : 11/27/07 15:01:22

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999879
Calibration Curve : Y = (2412.246274) +(3680543.469807) X +(-8382850.307607) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.002122	0.000278	13.087	10185.565901	11197.265	-1011.699	-9.035
5	0.005000	0.004899	0.000101	2.053	20243.503559	20605.392	-361.889	-1.756
4	0.010000	0.010406	-4.063e-04	-3.904	39805.281643	38379.396	1425.886	3.715
3	0.020000	0.020226	-2.262e-04	-1.118	73426.220900	72669.976	756.245	1.041
2	0.040000	0.039672	0.000328	0.827	135232.995073	136221.425	-988.430	-0.726
1	0.080000	0.080077	-7.692e-05	-0.096	243385.368624	243205.482	179.887	0.074



Turbochrom Method File E:\Methods\GTOX110707.mth
Printed by : manager on: 11/27/07 15:02:40
Created by : manager on: 11/08/07 11:07:09
Edited by : manager on: 11/16/07 08:43:23
Number of Times Edited : 5
Number of Times Calibrated : 113
Description: TOXAPHENE CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 4.359 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8742.71	2721.47			1
5	0.0050	17697.51	5521.19			1
4	0.0100	35822.53	10967.94			1
3	0.0200	69275.77	21515.47			1
2	0.0400	134694.03	41412.74			1
1	0.0800	258909.97	78575.74			1

Average Calibration Factor = 3.472011e+06 (%RSD = 4.32)

TOX-1
Component Type : Single Peak Component
Retention Time : 9.257 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	3009.54	598.14			1
2	1.0000	32228.31	5636.14			1
1	2.0000	61288.04	10710.91			1
3	0.5000	15804.09	2872.27			1
5	0.0500	1416.12	282.55			1

Average Calibration Factor = 30579.671225 (%RSD = 4.94)

TOX-2
Component Type : Single Peak Component
Retention Time : 10.633 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 15:02:40 Method: E:\Methods\GTOX110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	8824.63	1416.53	----------	----------	1
2	1.0000	83507.55	12962.16	----------	----------	1
1	2.0000	160440.15	24836.38	----------	----------	1
3	0.5000	42846.78	6661.46	----------	----------	1
5	0.0500	4147.04	664.08	----------	----------	1

Average Calibration Factor = 84121.669703 (%RSD = 3.59)

TOX-3
Component Type : Single Peak Component
Retention Time : 11.033 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	7113.20	1515.42	----------	----------	1
2	1.0000	65517.51	13609.31	----------	----------	1
1	2.0000	125448.31	26177.30	----------	----------	1
3	0.5000	33997.59	7018.79	----------	----------	1
5	0.0500	3314.61	736.38	----------	----------	1

Average Calibration Factor = 66732.221647 (%RSD = 4.66)

TOX-4
Component Type : Single Peak Component
Retention Time : 11.774 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	12626.34	2148.67	----------	----------	1
2	1.0000	117543.13	19561.16	----------	----------	1
1	2.0000	229146.44	38191.33	----------	----------	1
3	0.5000	60127.85	10078.64	----------	----------	1
5	0.0500	5736.06	1009.79	----------	----------	1

Average Calibration Factor = 118671.328051 (%RSD = 4.08)

TOX-5
Component Type : Single Peak Component
Retention Time : 12.669 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

11/27/07 15:02:40 Method: E:\Methods\GTOX110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	15788.54	3243.36	----------	----------	1
2	1.0000	150348.47	29851.94	----------	----------	1
1	2.0000	293570.08	58335.73	----------	----------	1
3	0.5000	76814.31	15277.54	----------	----------	1
5	0.0500	7131.17	1514.98	----------	----------	1

Average Calibration Factor = 150254.187961 (%RSD = 3.94)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 15.721 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	10185.57	3092.54	----------	----------	1
5	0.0050	20243.50	6092.93	----------	----------	1
4	0.0100	39805.28	11779.75	----------	----------	1
3	0.0200	73426.22	21586.72	----------	----------	1
2	0.0400	135233.00	39255.35	----------	----------	1
1	0.0800	243385.37	70474.11	----------	----------	1

Calibration Curve : y = (2412.246274) + (3680543.469807)x + (-8382850.307607)x^2 + (0.000000)x^3
R-squared : 0.999879

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
8742.71	2721.47	0.0024	--------	--------	11/08/07	10:41:08	G:\TcData\GTnov07\G110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
17697.51	5521.19	0.0050	--------	--------	11/08/07	10:41:08	G:\TcData\GTnov07\G110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
35822.53	10967.94	0.0100	--------	--------	11/08/07	10:41:08	G:\TcData\GTnov07\G110707.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
69275.77	21515.47	0.0200	---------	---------	11/08/07	10:41:08	G:\TcData\GTnov07\G110706.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
134694.03	41412.74	0.0400	--------	--------	11/08/07	10:41:08	G:\TcData\GTnov07\G110705.rst

Level : 1

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8081A	**AAB #:**	11828
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT 57H	**Date of Initial Calibration:**	11-Nov-07
Initial Calibration ID:	1111	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File E:\Methods\hab110707.mth
Printed by : manager on: 11/27/07 15:04:06
Created by : manager on: 11/08/07 11:06:05
Edited by : manager on: 11/26/07 08:59:16
Number of Times Edited : 12
Number of Times Calibrated : 91
Description: INDIV.AB PEST CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.097 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5122.16	1532.98	----------	----------	1
5	0.0050	10473.81	3149.86	----------	----------	1
4	0.0100	21668.81	6483.29	----------	----------	1
3	0.0200	43253.03	13099.60	----------	----------	1
2	0.0400	87584.92	26411.88	----------	----------	1
1	0.0800	176009.12	52801.45	----------	----------	1

Average Calibration Factor = 2.158044e+06 (%RSD = 1.79)

ALPHA-BHC
Component Type : Single Peak Component
Retention Time : 6.393 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4366.17	1380.96	----------	----------	1
5	0.0050	8768.63	2811.66	----------	----------	1
4	0.0100	17119.27	5549.54	----------	----------	1
3	0.0200	39013.72	13063.11	----------	----------	1
2	0.0400	83979.35	28793.11	----------	----------	1
1	0.0800	195890.00	67368.22	----------	----------	1

Calibration Curve : y = (-359.147225) + (1766890.504668)x + (8578774.489766)x^2 + (0.000000)x^3
R-squared : 0.999938

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

LINDANE
Component Type : Single Peak Component
Retention Time : 7.181 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4465.33	1415.12	----------	----------	1
5	0.0050	8980.11	2881.39	----------	----------	1
4	0.0100	17386.74	5648.61	----------	----------	1
3	0.0200	39265.68	13075.06	----------	----------	1
2	0.0400	83000.12	28116.68	----------	----------	1
1	0.0800	186792.61	63154.32	----------	----------	1

Calibration Curve : y = (-448.803891) + (1831554.736752)x + (6364813.542072)x^2 + (0.000000)x^3
R-squared : 0.999927

B-BHC
Component Type : Single Peak Component
Retention Time : 7.368 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	3340.72	1047.45	----------	----------	1
5	0.0050	6753.15	2115.65	----------	----------	1
4	0.0100	12936.40	4073.16	----------	----------	1
3	0.0200	28046.63	8852.02	----------	----------	1
2	0.0400	55325.14	17548.86	----------	----------	1
1	0.0800	112910.85	35554.55	----------	----------	1

Average Calibration Factor = 1.372180e+06 (%RSD = 3.19)

D-BHC
Component Type : Single Peak Component
Retention Time : 8.023 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4253.16	1311.39	----------	----------	1
5	0.0050	8322.98	2622.06	----------	----------	1
4	0.0100	16036.61	5135.41	----------	----------	1
3	0.0200	35740.26	12002.54	----------	----------	1
2	0.0400	75995.51	26111.37	----------	----------	1
1	0.0800	173537.71	60218.57	----------	----------	1

Calibration Curve : y = (-92.576532) + (1634766.317890)x + (6696877.723434)x^2 + (0.000000)x^3
R-squared : 0.999945

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 8.143 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5279.08	1587.44	----------	----------	1
5	0.0050	10401.88	3138.85	----------	----------	1
4	0.0100	20047.24	5916.22	----------	----------	1
3	0.0200	41989.44	12499.90	----------	----------	1
2	0.0400	80740.98	24256.12	----------	----------	1
1	0.0800	164063.08	49308.31	----------	----------	1

Average Calibration Factor = 2.075583e+06 (%RSD = 3.40)

ALDRIN
Component Type : Single Peak Component
Retention Time : 8.866 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4564.44	1390.22	----------	----------	1
5	0.0050	9109.60	2764.95	----------	----------	1
4	0.0100	17340.26	5271.72	----------	----------	1
3	0.0200	37653.39	11657.23	----------	----------	1
2	0.0400	76124.99	24253.20	----------	----------	1
1	0.0800	165449.21	53375.83	----------	----------	1

Average Calibration Factor = 1.885284e+06 (%RSD = 5.85)

HEPTACHLOR EPOXIDE
Component Type : Single Peak Component
Retention Time : 10.159 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5084.28	1526.56	----------	----------	1
5	0.0050	10084.72	3012.59	----------	----------	1
4	0.0100	18955.03	5680.44	----------	----------	1
3	0.0200	40199.50	12248.80	----------	----------	1
2	0.0400	79185.85	24324.17	----------	----------	1
1	0.0800	163941.38	50690.24	----------	----------	1

Average Calibration Factor = 2.011631e+06 (%RSD = 3.68)

G-CHLORDANE
Component Type : Single Peak Component
Retention Time : 10.571 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5455.53	1606.12	----------	----------	1
5	0.0050	10770.32	3179.30	----------	----------	1
4	0.0100	20426.58	6045.14	----------	----------	1
3	0.0200	43692.44	13048.50	----------	----------	1
2	0.0400	86612.74	26496.28	----------	----------	1
1	0.0800	181065.80	55376.01	----------	----------	1

Average Calibration Factor = 2.180520e+06 (%RSD = 3.86)

A-CHLORDANE
Component Type : Single Peak Component
Retention Time : 10.900 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5413.45	1604.10	----------	----------	1
5	0.0050	10723.68	3191.63	----------	----------	1
4	0.0100	20300.92	6091.15	----------	----------	1
3	0.0200	43718.22	13266.88	----------	----------	1
2	0.0400	86971.31	26947.50	----------	----------	1
1	0.0800	182370.86	56316.75	----------	----------	1

Average Calibration Factor = 2.178377e+06 (%RSD = 4.08)

ENDOSULFAN I
Component Type : Single Peak Component
Retention Time : 11.032 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4831.88	1408.89	----------	----------	1
5	0.0050	9599.35	2799.83	----------	----------	1
4	0.0100	18079.58	5308.16	----------	----------	1
3	0.0200	38646.15	11490.32	----------	----------	1
2	0.0400	75935.26	22916.16	----------	----------	1
1	0.0800	157479.34	47902.51	----------	----------	1

Average Calibration Factor = 1.923382e+06 (%RSD = 3.61)

4-4-DDE

Component Type : Single Peak Component
Retention Time : 11.281 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	9090.48	2697.77	----------	----------	1
5	0.0100	18140.20	5405.23	----------	----------	1
4	0.0200	34792.07	10583.73	----------	----------	1
3	0.0400	77924.49	24205.80	----------	----------	1
2	0.0800	163636.93	51762.47	----------	----------	1
1	0.1600	355384.43	110669.97	----------	----------	1

Average Calibration Factor = 1.943700e+06 (%RSD = 8.86)

DIELDRIN

Component Type : Single Peak Component
Retention Time : 11.644 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8598.34	2511.90	----------	----------	1
5	0.0100	16945.89	4971.10	----------	----------	1
4	0.0200	32179.31	9544.46	----------	----------	1
3	0.0400	70518.94	21421.40	----------	----------	1
2	0.0800	143441.54	43754.61	----------	----------	1
1	0.1600	301720.57	92020.68	----------	----------	1

Average Calibration Factor = 1.756104e+06 (%RSD = 5.40)

ENDRIN

Component Type : Single Peak Component
Retention Time : 12.329 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6813.95	1965.09	----------	----------	1
5	0.0100	13357.48	3866.78	----------	----------	1
4	0.0200	25546.77	7494.10	----------	----------	1
3	0.0400	55266.71	16509.73	----------	----------	1
2	0.0800	110884.22	33405.72	----------	----------	1
1	0.1600	230726.23	68358.85	----------	----------	1

Average Calibration Factor = 1.373737e+06 (%RSD = 4.33)

4-4-DDD
Component Type : Single Peak Component
Retention Time : 12.574 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6853.12	1979.11	----------	----------	1
5	0.0100	13288.45	3899.03	----------	----------	1
4	0.0200	25030.89	7416.02	----------	----------	1
3	0.0400	54079.37	16430.90	----------	----------	1
2	0.0800	108510.98	33881.42	----------	----------	1
1	0.1600	226829.25	71050.15	----------	----------	1

Average Calibration Factor = 1.355696e+06 (%RSD = 4.74)

ENDOSULFAN II
Component Type : Single Peak Component
Retention Time : 12.805 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8887.58	2580.17	----------	----------	1
5	0.0100	17459.66	5077.90	----------	----------	1
4	0.0200	33140.11	9684.98	----------	----------	1
3	0.0400	72389.03	21241.11	----------	----------	1
2	0.0800	144756.57	42973.91	----------	----------	1
1	0.1600	298571.97	87366.16	----------	----------	1

Average Calibration Factor = 1.789968e+06 (%RSD = 4.33)

4-4-DDT
Component Type : Single Peak Component
Retention Time : 13.266 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6905.86	2030.27	----------	----------	1
5	0.0100	14019.91	4127.38	----------	----------	1
4	0.0200	27146.68	8154.41	----------	----------	1
3	0.0400	60878.96	18491.50	----------	----------	1
2	0.0800	124355.44	38026.46	----------	----------	1
1	0.1600	262599.38	79868.93	----------	----------	1

Average Calibration Factor = 1.485951e+06 (%RSD = 7.12)

ENDRIN ALDEHYDE
Component Type : Single Peak Component
Retention Time : 13.568 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8667.75	2481.62	----------	----------	1
5	0.0100	16934.89	4866.59	----------	----------	1
4	0.0200	31837.43	9106.18	----------	----------	1
3	0.0400	66998.16	19293.18	----------	----------	1
2	0.0800	128689.60	36949.93	----------	----------	1
1	0.1600	253491.55	72280.87	----------	----------	1

Average Calibration Factor = 1.659840e+06 (%RSD = 5.08)

ENDOSULFAN SULFATE
Component Type : Single Peak Component
Retention Time : 14.183 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8364.23	2439.30	----------	----------	1
5	0.0100	16342.90	4803.60	----------	----------	1
4	0.0200	30628.45	8994.59	----------	----------	1
3	0.0400	66257.66	19631.07	----------	----------	1
2	0.0800	134484.51	38729.20	----------	----------	1
1	0.1600	274953.51	78134.01	----------	----------	1

Average Calibration Factor = 1.660703e+06 (%RSD = 4.50)

METHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 14.812 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

11/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0240	17963.46	5445.05	----------	----------	1
5	0.0500	35411.18	10662.85	----------	----------	1
4	0.1000	66611.16	19973.05	----------	----------	1
3	0.2000	141066.75	41996.01	----------	----------	1
2	0.4000	267147.74	78121.10	----------	----------	1
1	0.8000	505110.31	145318.11	----------	----------	1

Average Calibration Factor = 687900.647026 (%RSD = 5.98)

ENDRIN KETONE
Component Type : Single Peak Component
Retention Time : 15.383 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	9348.39	2669.58	----------	----------	1
5	0.0100	18652.34	5383.87	----------	----------	1
4	0.0200	36040.26	10474.67	----------	----------	1
3	0.0400	80103.67	23298.49	----------	----------	1
2	0.0800	161544.01	46888.98	----------	----------	1
1	0.1600	329518.12	93526.87	----------	----------	1

Average Calibration Factor = 1.949368e+06 (%RSD = 5.06)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 18.311 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	6983.41	1588.76	----------	----------	1
5	0.0050	14218.13	3189.28	----------	----------	1
4	0.0100	28959.97	6501.39	----------	----------	1
3	0.0200	57631.37	12626.42	----------	----------	1
2	0.0400	111764.34	24253.66	----------	----------	1
1	0.0800	216189.35	45909.69	----------	----------	1

Average Calibration Factor = 2.837904e+06 (%RSD = 2.76)

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5122.16	1532.98	0.0024	-------	-------	11/08/07	10:55:04	G:\TcData\GTnov07\H110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
10473.81	3149.88	0.0050	-------	-------	11/08/07	10:55:04	G:\TcData\GTnov07\H110708.rst

Level : 4

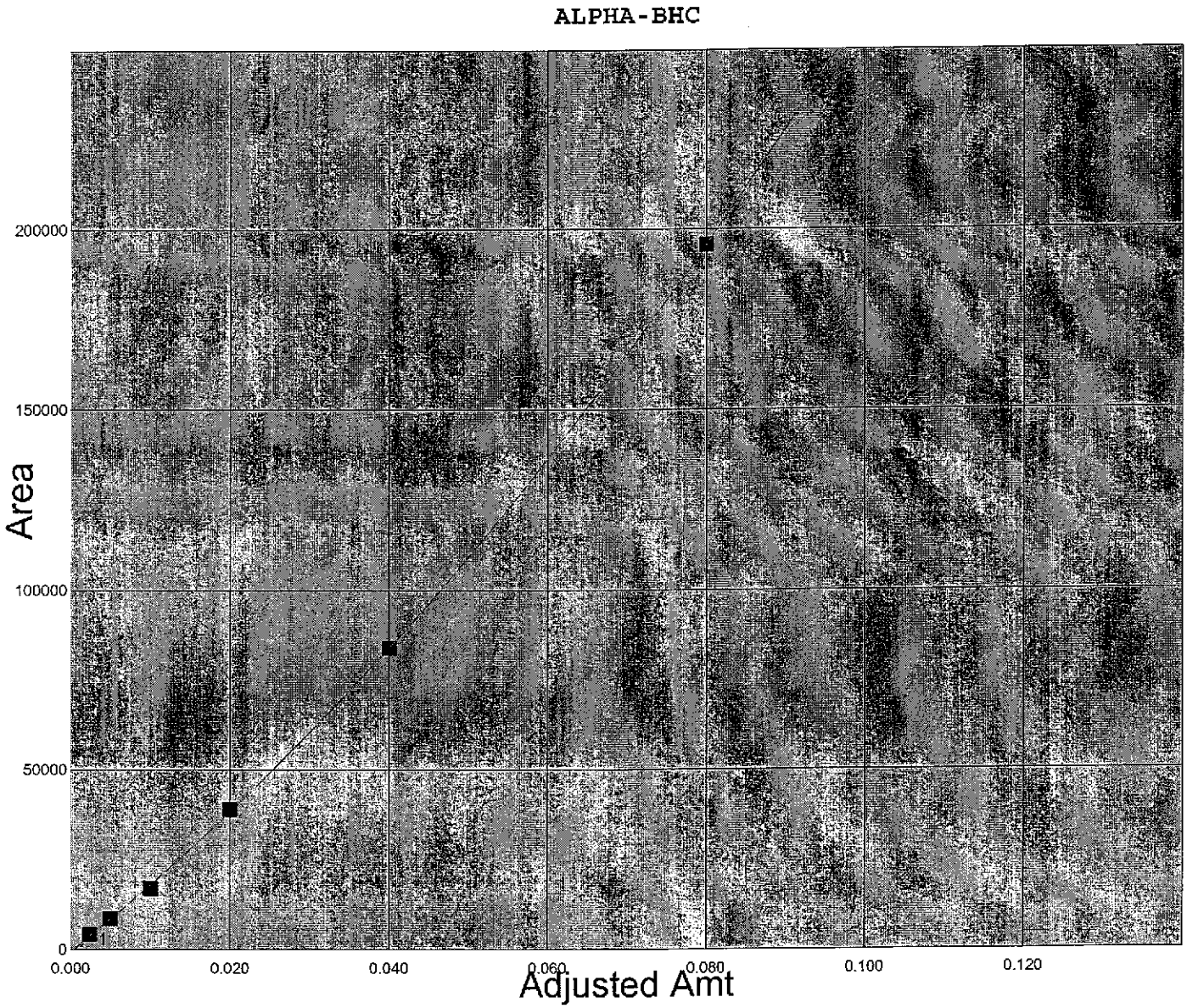
Fit Analysis Output For Method File: E:\METHODS\HAB110707.MTH
Component Name : ALPHA-BHC
Date : 11/27/07 15:05:25

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999938
Calibration Curve : Y = (-359.147225) +(1766890.504668) X +(8578774.489766) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.002641	-2.405e-04	-9.109	4366.173972	3930.804	435.370	11.076
5	0.005000	0.005043	-4.256e-05	-0.844	8768.630968	8689.775	78.856	0.907
4	0.010000	0.009458	0.000542	5.732	17119.273861	18167.635	-1048.361	-5.770
3	0.020000	0.020286	-2.857e-04	-1.408	39013.718721	38410.173	603.546	1.571
2	0.040000	0.039974	2.5749e-05	0.064	83979.351676	84042.512	-63.160	-0.075
1	0.080000	0.079998	1.9910e-06	0.002	195889.999153	195896.250	-6.251	-0.003



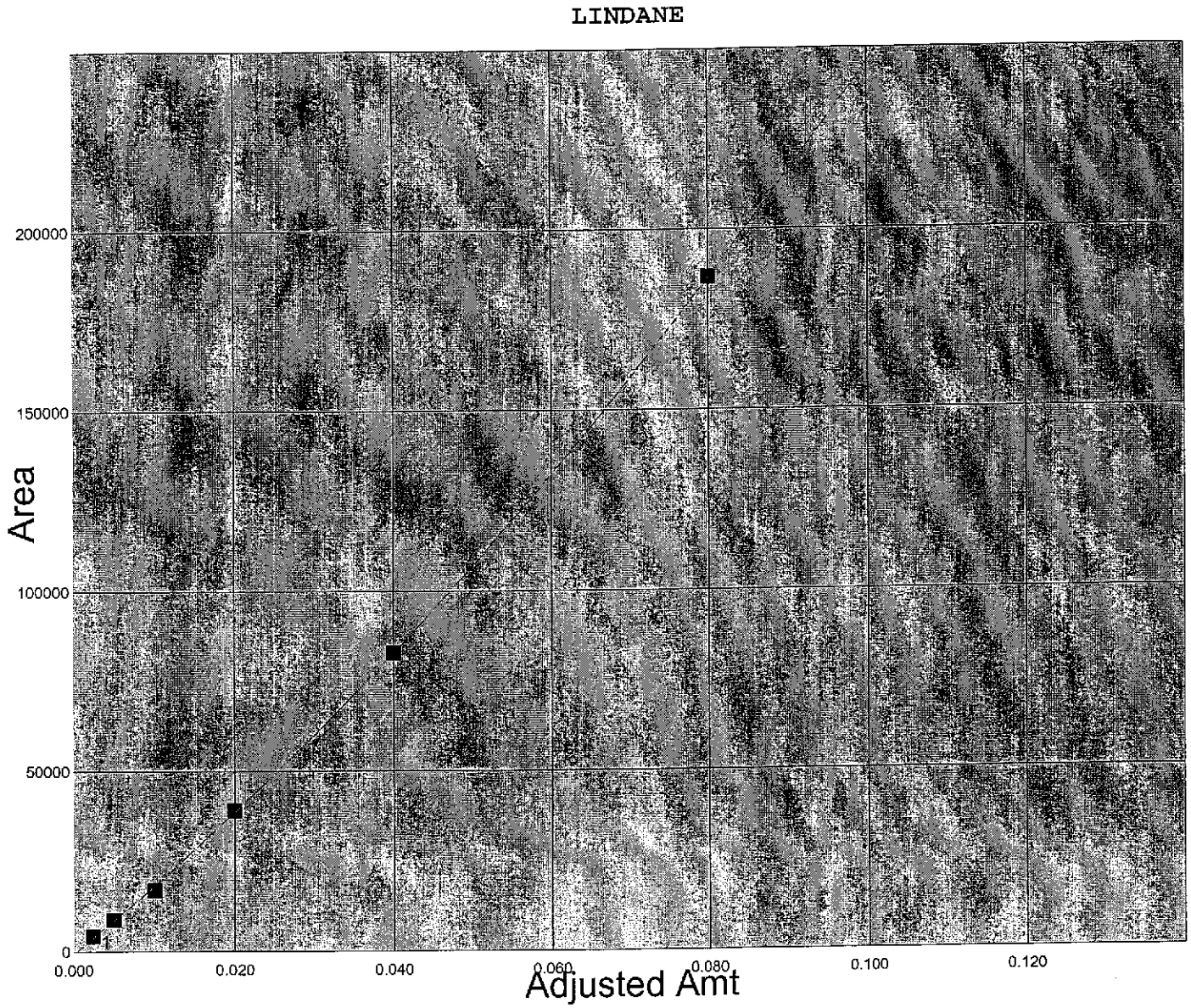
Fit Analysis Output For Method File: E:\METHODS\HAB110707.MTH
Component Name : LINDANE
Date : 11/27/07 15:05:36

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999927
Calibration Curve : Y = (-448.803891) +(1831554.736752) X +(6364813.542072) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.002658	-2.585e-04	-9.723	4465.330563	3983.589	481.742	12.093
5	0.005000	0.005059	-5.910e-05	-1.168	8980.111890	8868.090	112.022	1.263
4	0.010000	0.009429	0.000571	6.056	17386.741592	18503.225	-1116.483	-6.034
3	0.020000	0.020257	-2.574e-04	-1.271	39265.675300	38728.216	537.459	1.388
2	0.040000	0.040001	-1.298e-06	-0.003	83000.124544	82997.087	3.037	0.004
1	0.080000	0.079994	6.2377e-06	0.008	186792.605102	186810.382	-17.777	-0.010



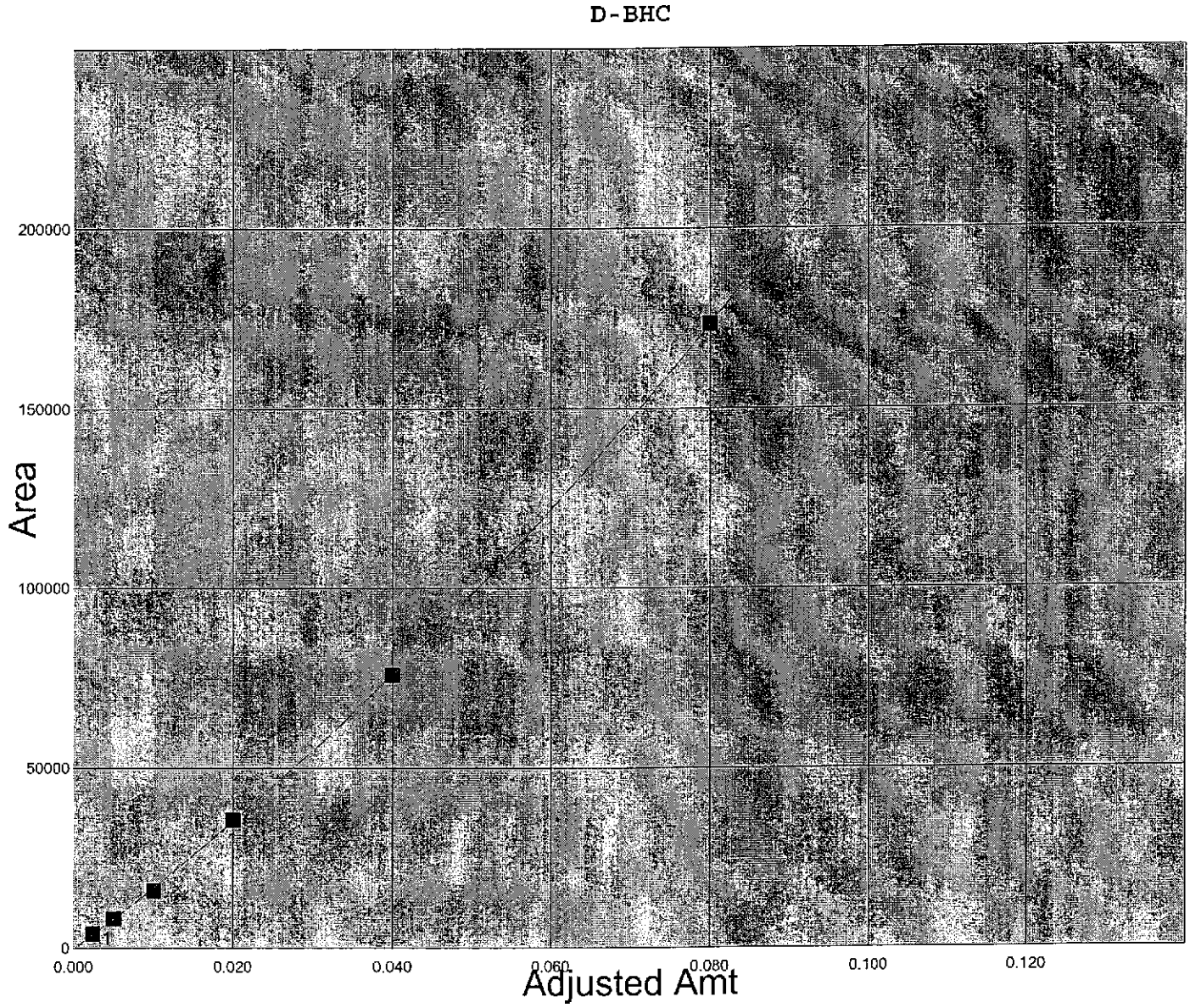
Fit Analysis Output For Method File: E:\METHODS\HAB110707.MTH
Component Name : D-BHC
Date : 11/27/07 15:05:47

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999945
Calibration Curve : Y = (-92.576532) +(1634766.317890) X +(6696877.723434) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.002630	-2.300e-04	-8.745	4253.156932	3869.437	383.720	9.917
5	0.005000	0.005044	-4.365e-05	-0.866	8322.976700	8248.677	74.300	0.901
4	0.010000	0.009497	0.000503	5.298	16036.609517	16924.774	-888.165	-5.248
3	0.020000	0.020241	-2.409e-04	-1.190	35740.255819	35281.501	458.755	1.300
2	0.040000	0.039992	8.0965e-06	0.020	75995.507475	76013.081	-17.573	-0.023
1	0.080000	0.079996	4.0783e-06	0.005	173537.709409	173548.746	-11.037	-0.006



Turbochrom Method File E:\Methods\HTOX110707.mth
Printed by : manager on: 11/27/07 15:06:33
Created by : manager on: 11/08/07 11:06:38
Edited by : manager on: 11/16/07 08:51:41
Number of Times Edited : 4
Number of Times Calibrated : 88
Description: INDIV.AB PEST CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.123 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5122.16	1532.98	----------	----------	1
5	0.0050	10473.81	3149.88	----------	----------	1
4	0.0100	21668.81	6483.29	----------	----------	1
3	0.0200	43253.03	13099.60	----------	----------	1
2	0.0400	87584.92	26411.88	----------	----------	1
1	0.0800	176009.12	52801.45	----------	----------	1

Average Calibration Factor = 2.158044e+06 (%RSD = 1.79)

TOX-1
Component Type : Single Peak Component
Retention Time : 10.765 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	591.56	130.40	----------	----------	1
4	0.1000	1461.38	285.57	----------	----------	1
2	1.0000	21121.08	2976.77	----------	----------	1
1	2.0000	43640.50	6029.31	----------	----------	1
3	0.5000	9370.95	1451.09	----------	----------	1

Calibration Curve : y = (-961.114113) + (22189.325721)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999312

TOX-2
Component Type : Single Peak Component
Retention Time : 11.643 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window

11/27/07 15:06:33 Method: E:\Methods\HTOX110707.mth

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	1424.73	265.86	----------	----------	1
4	0.1000	2968.01	569.95	----------	----------	1
2	1.0000	35803.61	5958.95	----------	----------	1
1	2.0000	72912.36	12010.22	----------	----------	1
3	0.5000	17241.39	2936.68	----------	----------	1

Calibration Curve : y = (-753.262039) + (36744.220425)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999907

TOX-3
Component Type : Single Peak Component
Retention Time : 13.021 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	3425.38	732.24	----------	----------	1
4	0.1000	7511.49	1550.62	----------	----------	1
2	1.0000	92581.43	16105.97	----------	----------	1
1	2.0000	192993.31	33737.41	----------	----------	1
3	0.5000	44827.51	7914.89	----------	----------	1

Calibration Curve : y = (-2744.669723) + (97277.389694)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999661

TOX-4
Component Type : Single Peak Component
Retention Time : 13.598 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	2609.94	576.13	----------	----------	1
4	0.1000	5671.07	1181.28	----------	----------	1
2	1.0000	67469.85	12630.10	----------	----------	1
1	2.0000	141855.78	26772.68	----------	----------	1
3	0.5000	32424.71	6140.07	----------	----------	1

11/27/07 15:06:33 Method: E:\Methods\HTOX110707.mth

Calibration Curve : y = (-2135.756724) + (71427.434869)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999415

TOX-5
Component Type : Single Peak Component
Retention Time : 14.742 min
Search Window : 1.08 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	4665.18	788.74	----------	----------	1
4	0.1000	10014.25	1630.35	----------	----------	1
2	1.0000	115109.16	17051.82	----------	----------	1
1	2.0000	241088.37	35543.40	----------	----------	1
3	0.5000	55694.02	8276.02	----------	----------	1

Calibration Curve : y = (-3187.983862) + (121235.865717)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999495

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 18.359 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	6983.41	1588.76	----------	----------	1
5	0.0050	14218.13	3189.28	----------	----------	1
4	0.0100	28959.97	6501.39	----------	----------	1
3	0.0200	57631.37	12626.42	----------	----------	1
2	0.0400	111764.34	24253.66	----------	----------	1
1	0.0800	216189.35	45909.69	----------	----------	1

Average Calibration Factor = 2.837904e+06 (%RSD = 2.76)

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5122.16	1532.98	0.0024	--------	-------	11/08/07	10:55:04	G:\TcData\GTnov07\H110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
10473.81	3149.88	0.0050	---------	---------	11/08/07	10:55:04	G:\TcData\GTnov07\H110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
21668.81	6483.29	0.0100	---------	---------	11/08/07	10:55:04	G:\TcData\GTnov07\H110707.rst

Level : 3

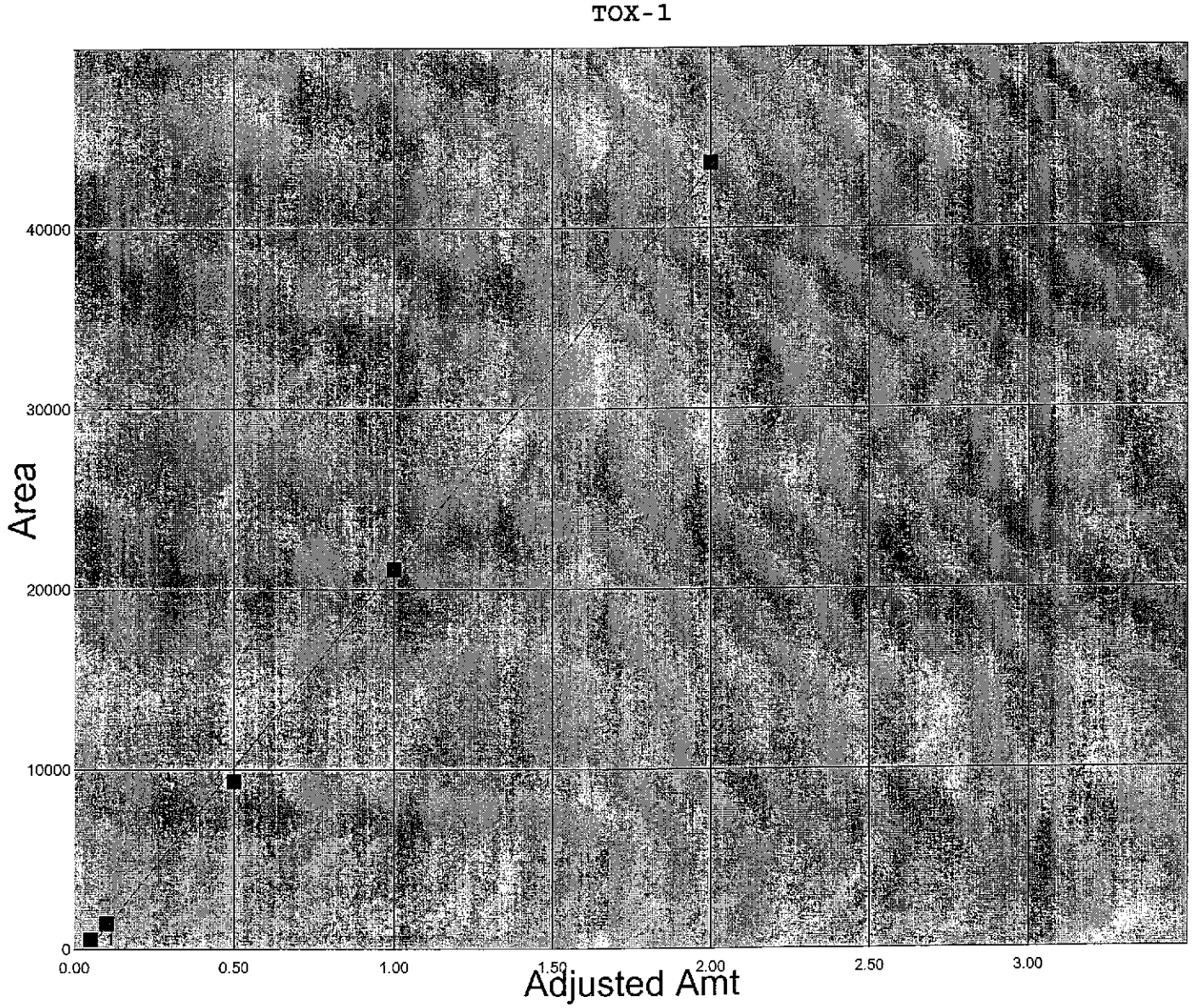
Fit Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
Component Name : TOX-1
Date : 11/27/07 15:07:03

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999312
Calibration Curve : Y = (-961.114113) +(22189.325721) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.069974	-0.019974	-28.545	591.564451	148.352	443.212	298.757
4	0.100000	0.109174	-0.009174	-8.403	1461.382493	1257.818	203.564	16.184
3	0.500000	0.465632	0.034368	7.381	9370.947578	10133.549	-762.601	-7.526
2	1.000000	0.995172	0.004828	0.485	21121.077755	21228.212	-107.134	-0.505
1	2.000000	2.010048	-0.010048	-0.500	43640.496038	43417.537	222.959	0.514



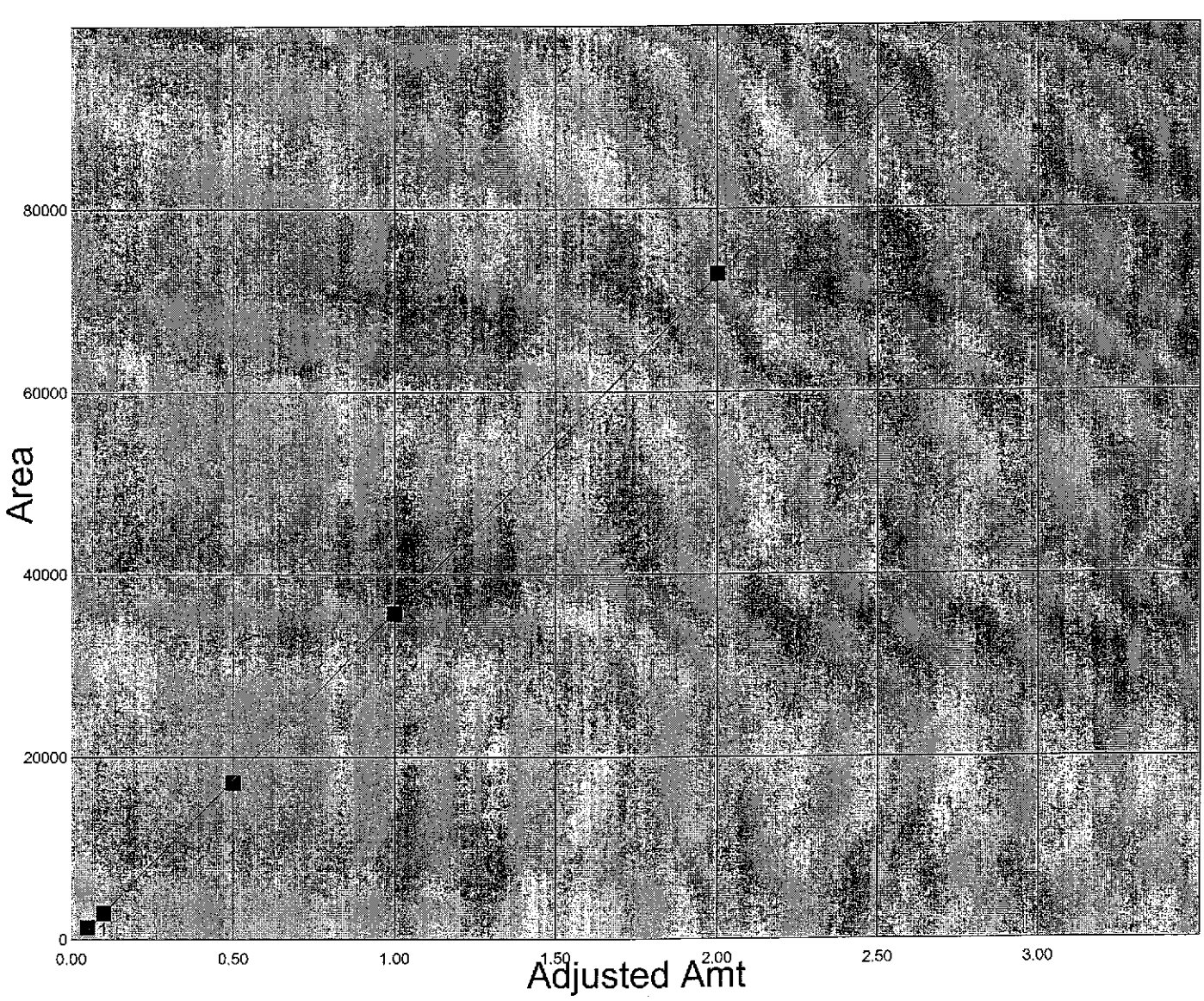
Fit Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
Component Name : TOX-2
Date : 11/27/07 15:07:09

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999907
Calibration Curve : Y = (-753.262039) +(36744.220425) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.059274	-0.009274	-15.647	1424.730363	1083.949	340.781	31.439
4	0.100000	0.101275	-0.001275	-1.259	2968.011577	2921.160	46.852	1.604
3	0.500000	0.489727	0.010273	2.098	17241.385720	17618.848	-377.462	-2.142
2	1.000000	0.994901	0.005099	0.512	35803.610381	35990.958	-187.348	-0.521
1	2.000000	2.004822	-0.004822	-0.241	72912.356312	72735.179	177.178	0.244



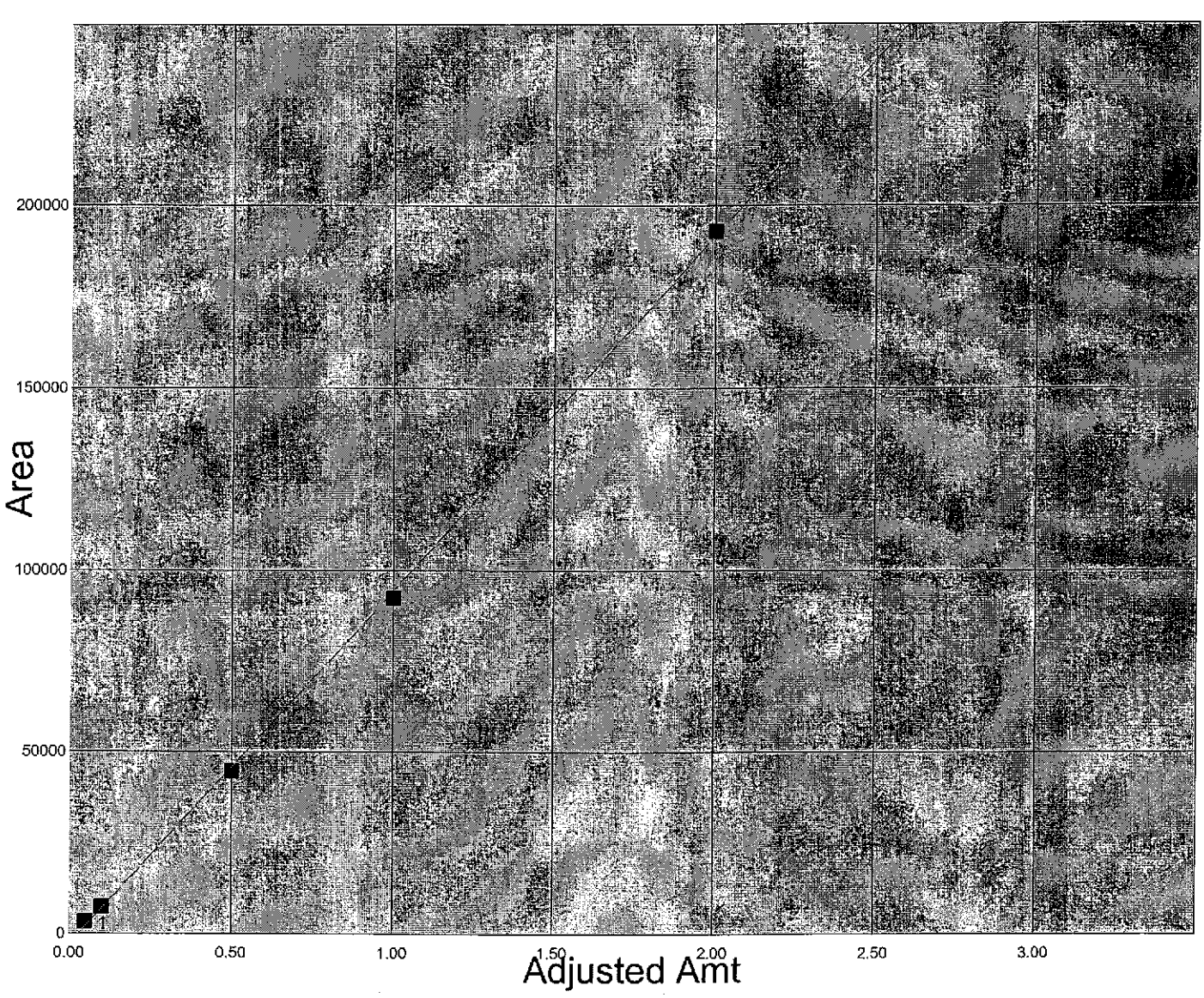
Fit Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
Component Name : TOX-3
Date : 11/27/07 15:07:14

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999661
Calibration Curve : Y = (-2744.669723) +(97277.389694) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.063427	-0.013427	-21.170	3425.380717	2119.200	1306.181	61.636
4	0.100000	0.105432	-0.005432	-5.152	7511.494524	6983.069	528.425	7.567
3	0.500000	0.489036	0.010964	2.242	44827.512934	45894.025	-1066.512	-2.324
2	1.000000	0.979941	0.020059	2.047	92581.427364	94532.720	-1951.293	-2.064
1	2.000000	2.012163	-0.012163	-0.604	192993.308227	191810.110	1183.199	0.617



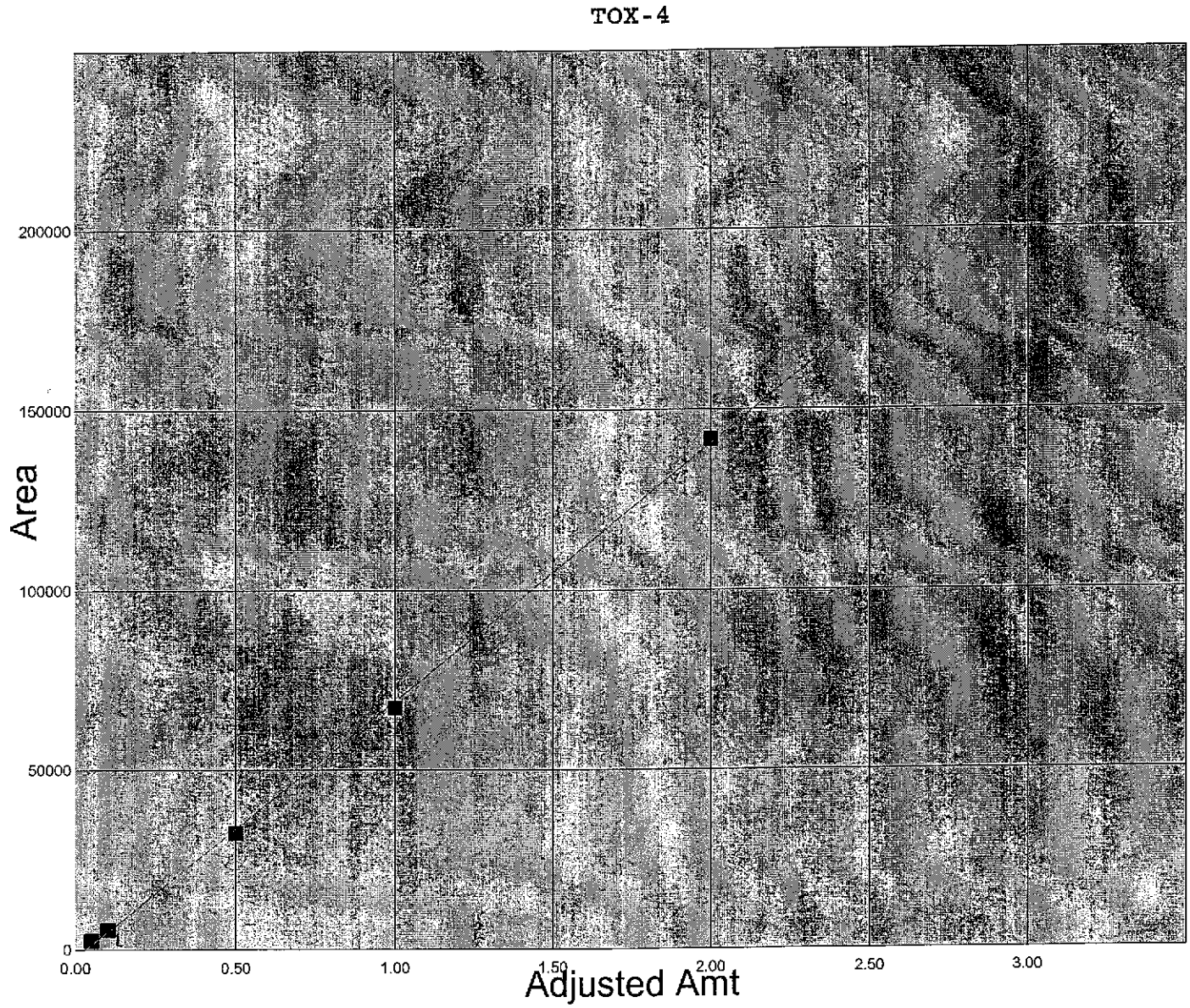
Fit Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
Component Name : TOX-4
Date : 11/27/07 15:07:19

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999415
Calibration Curve : Y = (-2135.756724) +(71427.434869) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.066441	-0.016441	-24.745	2609.944417	1435.615	1174.329	81.800
4	0.100000	0.109297	-0.009297	-8.506	5671.072354	5006.987	664.086	13.263
3	0.500000	0.483854	0.016146	3.337	32424.707312	33577.961	-1153.253	-3.435
2	1.000000	0.974494	0.025506	2.617	67469.853294	69291.678	-1821.825	-2.629
1	2.000000	2.015914	-0.015914	-0.789	141855.776274	140719.113	1136.663	0.808



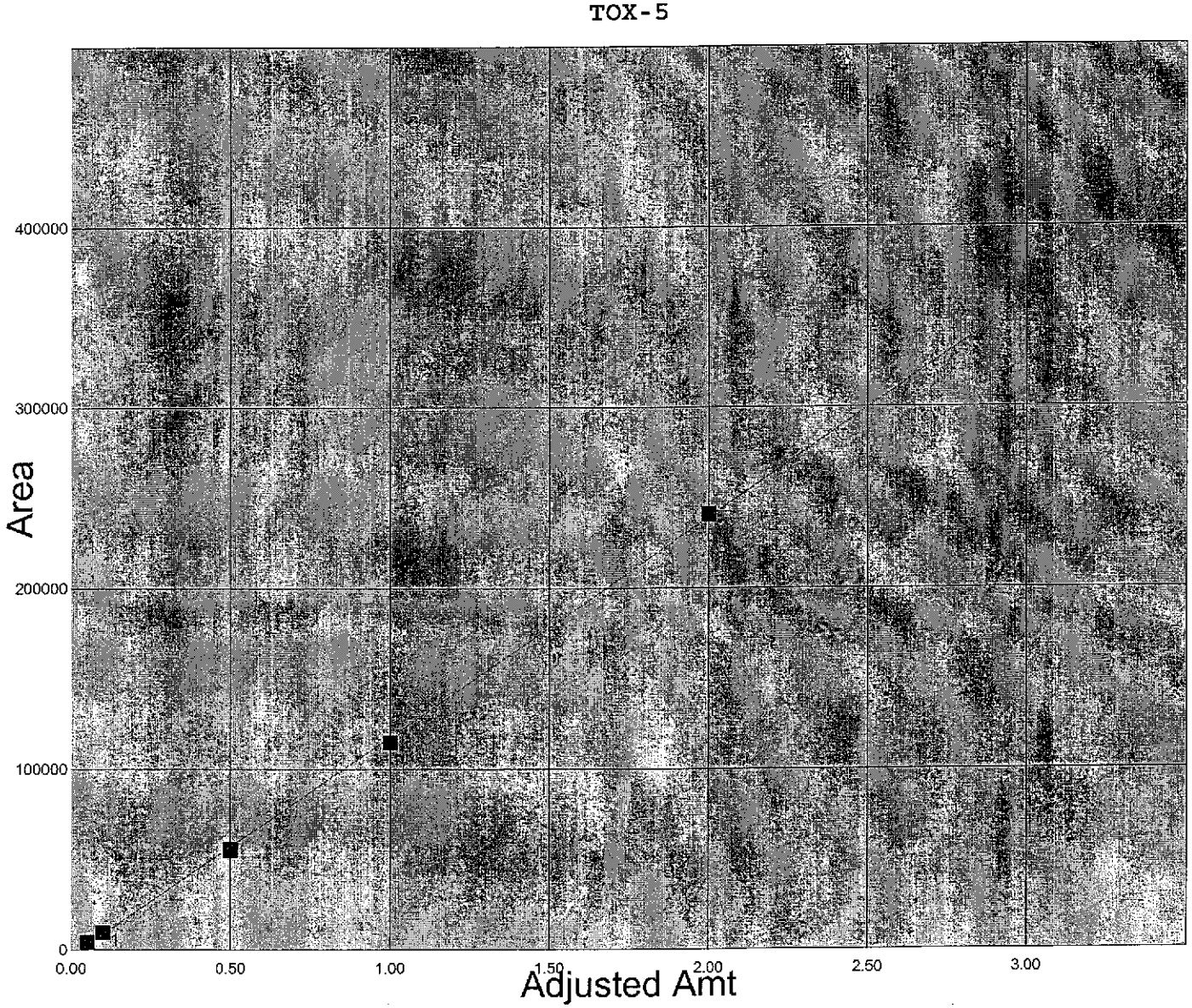
Fit Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
Component Name : TOX-5
Date : 11/27/07 15:07:24

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999495
Calibration Curve : Y = (-3187.983862) +(121235.865717) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.064776	-0.014776	-22.811	4665.180965	2873.809	1791.372	62.334
4	0.100000	0.108897	-0.008897	-8.170	10014.254278	8935.603	1078.652	12.071
3	0.500000	0.485681	0.014319	2.948	55694.024223	57429.949	-1735.925	-3.023
2	1.000000	0.975760	0.024240	2.484	115109.156527	118047.882	-2938.725	-2.489
1	2.000000	2.014885	-0.014885	-0.739	241088.374562	239283.748	1804.627	0.754



AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11828
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111
Second Source ID:	I110707PEST	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
alpha-BHC	0.05	0.057	-14.0	
beta-BHC	0.05	0.058	-15.6	
delta-BHC	0.05	0.056	-12.4	
gamma-BHC	0.05	0.058	-15.0	
alpha-Chlordane	0.05	0.059	-18.0	
gamma-Chlordane	0.05	0.059	-17.8	
4,4'-DDD	0.05	0.056	-12.8	
4,4'-DDE	0.05	0.057	-13.6	
4,4'-DDT	0.05	0.055	-10	
Aldrin	0.05	0.06	-19.4	
Dieldrin	0.05	0.057	-14.4	
Endosulfan I	0.05	0.057	-13.0	
Endosulfan II	0.05	0.057	-13.8	
Endosulfan sulfate	0.05	0.057	-14.8	
Endrin	0.05	0.057	-13.8	
Endrin aldehyde	0.05	0.055	-10.4	
Heptachlor	0.05	0.056	-11.2	
Heptachlor epoxide	0.05	0.057	-14.0	
Methoxychlor	0.05	0.06	-20.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11827
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110
Second Source ID:	I110707PEST	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
alpha-BHC	0.05	0.06	-20.0	
beta-BHC	0.05	0.054	-8.8	
delta-BHC	0.05	0.06	-19.0	
gamma-BHC	0.05	0.06	-19.8	
alpha-Chlordane	0.05	0.055	-9.2	
gamma-Chlordane	0.05	0.055	-9.6	
4,4´-DDD	0.05	0.056	-11.4	
4,4´-DDE	0.05	0.056	-11.0	
4,4´-DDT	0.05	0.054	-7.8	
Aldrin	0.05	0.056	-11.6	
Dieldrin	0.05	0.056	-11.2	
Endosulfan I	0.05	0.053	-5.2	
Endosulfan II	0.05	0.055	-9.8	
Endosulfan sulfate	0.05	0.055	-9.8	
Endrin	0.05	0.056	-11.6	
Endrin aldehyde	0.05	0.055	-9.4	
Heptachlor	0.05	0.052	-4.0	
Heptachlor epoxide	0.05	0.053	-6.0	
Methoxychlor	0.05	0.059	-18.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11828
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111
Second Source ID:	I110707TOX	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Toxaphene	0.5	0.44	11.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11827
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110
Second Source ID:	I110707TOX	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Toxaphene	0.5	0.53	-5.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	11920
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP

		Name: INDAB-3 File: G111503 Date: 11/15/07 Time 15:05		Name: INDAB-3 File: G111515 Date: 11/15/07 Time 19:42		Name: INDAB-3 File: G111527 Date: 11/16/07 Time 00:18	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0205	3	.0215	7	.0214	7
LINDANE	0.02	.0204	2	.0214	7	.0214	7
HEPTACHLOR	0.02	.0200	0	.0205	3	.0207	4
ENDOSULFAN I	0.02	.0205	3	.0214	7	.0212	6
DIELDRIN	0.04	.0412	3	.0431	8	.0437	9
ENDRIN	0.04	.0414	4	.0420	5	.0431	8
4-4-DDD	0.04	.0414	4	.0432	8	.0437	9
4-4-DDT	0.04	.0382	5	.0399	0	.0396	1
METHOXYCHLOR	0.20	.193	4	.202	1	.209	4
B-BHC	0.02	.0202	1	.0213	6	.0208	4
D-BHC	0.02	.0200	0	.0213	6	.0212	6
ALDRIN	0.02	.0205	3	.0214	7	.0214	7
HEPTACHLOR EPOXIDE	0.02	.0202	1	.0211	6	.0209	4
G-CHLORDANE	0.02	.0200	0	.0210	5	.0208	4
A-CHLORDANE	0.02	.0202	1	.0211	6	.0205	3
4-4-DDE	0.04	.0403	1	.0422	6	.0424	6
ENDOSULFAN II	0.04	.0407	2	.0426	6	.0415	4
ENDRIN ALDEHYDE	0.04	.0385	4	.0405	1	.0401	0
ENDOSULFAN SULFATE	0.04	.0399	0	.0420	5	.0419	5
ENDRIN KETONE	0.04	.0410	3	.0433	8	.0431	8
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			2		5		5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP

		Name: INDAB-3 File: G111542 Date: 11/16/07 Time 06:02		Name: TOX-3 File: G111543 Date: 11/16/07 Time 06:25		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0198	1				
LINDANE	0.02	.0199	0				
HEPTACHLOR	0.02	.0192	4				
ENDOSULFAN I	0.02	.0197	2				
DIELDRIN	0.04	.0408	2				
ENDRIN	0.04	.0397	1				
4-4-DDD	0.04	.0430	7				
4-4-DDT	0.04	.0314	22 *				
METHOXYCHLOR	0.20	.181	10				
B-BHC	0.02	.0195	3				
D-BHC	0.02	.0196	2				
ALDRIN	0.02	.0200	0				
HEPTACHLOR EPOXIDE	0.02	.0196	2				
G-CHLORDANE	0.02	.0195	3				
A-CHLORDANE	0.02	.0196	2				
4-4-DDE	0.04	.0396	1				
ENDOSULFAN II	0.04	.0398	0				
ENDRIN ALDEHYDE	0.04	.0386	4				
ENDOSULFAN SULFATE	0.04	.0393	2				
ENDRIN KETONE	0.04	.0411	3				
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50			.562	12		
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			4		12		#DIV/0!

Page 1
Page 3
Page 2

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP

		Name: INDAB-3 File: G103003 Date: 10/30/07 Time 13:50		Name: INDAB-3 File: G103014 Date: 10/30/07 Time 18:26		Name: INDAB-3 File: G103027 Date: 10/30/07 Time 23:24	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0194	3	.0192	4	.0204	2
LINDANE	0.02	.0192	4	.0192	4	.0204	2
HEPTACHLOR	0.02	.0205	3	.0198	1	.0209	4
ENDOSULFAN I	0.02	.0195	3	.0195	3	.0205	3
DIELDRIN	0.04	.0393	2	.0394	2	.0414	4
ENDRIN	0.04	.0391	2	.0384	4	.0406	1
4-4-DDD	0.04	.0385	4	.0379	5	.0400	0
4-4-DDT	0.04	.0376	6	.0376	6	.0401	0
METHOXYCHLOR	0.20	.201	1	.201	1	.220	10
B-BHC	0.02	.0190	5	.0192	4	.0204	2
D-BHC	0.02	.0191	5	.0192	4	.0206	3
ALDRIN	0.02	.0196	2	.0196	2	.0206	3
HEPTACHLOR EPOXIDE	0.02	.0201	0	.0201	0	.0213	6
G-CHLORDANE	0.02	.0202	1	.0200	0	.0212	6
A-CHLORDANE	0.02	.0192	4	.0192	4	.0202	1
4-4-DDE	0.04	.0383	4	.0377	6	.0399	0
ENDOSULFAN II	0.04	.0390	3	.0388	3	.0411	3
ENDRIN ALDEHYDE	0.04	.0418	4	.0423	6	.0451	13
ENDOSULFAN SULFATE	0.04	.0405	1	.0398	0	.0432	8
ENDRIN KETONE	0.04	.0421	5	.0415	4	.0446	12
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			3		3		4

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP

		Name: INDAB-3 File: G103039 Date: 10/31/07 Time 03:59		Name: INDAB-3 File: G103052 Date: 10/31/07 Time 08:58		Name: INDAB-3 File: G103064 Date: 10/31/07 Time 13:34	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0205	3	.0204	2	.0191	5
LINDANE	0.02	.0204	2	.0204	2	.0191	5
HEPTACHLOR	0.02	.0209	4	.0210	5	.0195	3
ENDOSULFAN I	0.02	.0205	3	.0204	2	.0190	5
DIELDRIN	0.04	.0416	4	.0421	5	.0400	0
ENDRIN	0.04	.0404	1	.0403	1	.0384	4
4-4-DDD	0.04	.0396	1	.0406	1	.0407	2
4-4-DDT	0.04	.0399	0	.0392	2	.0318	21 *
METHOXYCHLOR	0.20	.220	10	.220	10	.199	1
B-BHC	0.02	.0203	1	.0204	2	.0191	5
D-BHC	0.02	.0206	3	.0206	3	.0194	3
ALDRIN	0.02	.0207	4	.0207	4	.0194	3
HEPTACHLOR EPOXIDE	0.02	.0213	6	.0213	6	.0198	1
G-CHLORDANE	0.02	.0212	6	.0213	6	.0199	0
A-CHLORDANE	0.02	.0202	1	.0202	1	.0189	6
4-4-DDE	0.04	.0398	0	.0400	0	.0382	5
ENDOSULFAN II	0.04	.0407	2	.0409	2	.0382	5
ENDRIN ALDEHYDE	0.04	.0452	13	.0441	10	.0433	8
ENDOSULFAN SULFATE	0.04	.0433	8	.0434	9	.0400	0
ENDRIN KETONE	0.04	.0449	12	.0454	14	.0426	6
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			4		4		4

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP

		Name: TOX-3 File: G103065 Date: 10/31/07 Time 13:57		Name: File: Date: Time		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02						
LINDANE	0.02						
HEPTACHLOR	0.02						
ENDOSULFAN I	0.02						
DIELDRIN	0.04						
ENDRIN	0.04						
4-4-DDD	0.04						
4-4-DDT	0.04						
METHOXYCHLOR	0.20						
B-BHC	0.02						
D-BHC	0.02						
ALDRIN	0.02						
HEPTACHLOR EPOXIDE	0.02						
G-CHLORDANE	0.02						
A-CHLORDANE	0.02						
4-4-DDE	0.04						
ENDOSULFAN II	0.04						
ENDRIN ALDEHYDE	0.04						
ENDOSULFAN SULFATE	0.04						
ENDRIN KETONE	0.04						
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50	.569	14				
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			14		#DIV/0!		#DIV/0!

Page 1
Page 3
Page 1

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	11921
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H111503 Date: 11/15/07 Time 15:05		Name: INDAB-3 File: H111515 Date: 11/15/07 Time 19:42		Name: INDAB-3 File: H111527 Date: 11/16/07 Time 00:18	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0208	4	.0213	6	.0212	6
LINDANE	0.02	.0206	3	.0212	6	.0208	4
HEPTACHLOR	0.02	.0200	0	.0204	2	.0206	3
ENDOSULFAN I	0.02	.0205	3	.0211	6	.0212	6
DIELDRIN	0.04	.0414	4	.0425	6	.0430	7
ENDRIN	0.04	.0419	5	.0411	3	.0423	6
4-4-DDD	0.04	.0409	2	.0417	4	.0429	7
4-4-DDT	0.04	.0385	4	.0390	3	.0381	5
METHOXYCHLOR	0.20	.187	7	.196	2	.205	2
B-BHC	0.02	.0207	4	.0212	6	.0206	3
D-BHC	0.02	.0213	6	.0211	6	.0215	7
ALDRIN	0.02	.0205	3	.0210	5	.0210	5
HEPTACHLOR EPOXIDE	0.02	.0203	1	.0210	5	.0212	6
G-CHLORDANE	0.02	.0201	0	.0207	4	.0207	4
A-CHLORDANE	0.02	.0202	1	.0206	3	.0209	4
4-4-DDE	0.04	.0409	2	.0415	4	.0415	4
ENDOSULFAN II	0.04	.0409	2	.0421	5	.0423	6
ENDRIN ALDEHYDE	0.04	.0384	4	.0399	0	.0399	0
ENDOSULFAN SULFATE	0.04	.0400	0	.0411	3	.0422	6
ENDRIN KETONE	0.04	.0420	5	.0438	9	.0440	10
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			3		4		5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H111542 Date: 11/16/07 Time 06:02		Name: TOX-3 File: H111543 Date: 11/16/07 Time 06:25		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0203	1				
LINDANE	0.02	.0199	0				
HEPTACHLOR	0.02	.0197	2				
ENDOSULFAN I	0.02	.0202	1				
DIELDRIN	0.04	.0412	3				
ENDRIN	0.04	.0392	2				
4-4-DDD	0.04	.0422	6				
4-4-DDT	0.04	.0295	26 *				
METHOXYCHLOR	0.20	.182	9				
B-BHC	0.02	.0198	1				
D-BHC	0.02	.0204	2				
ALDRIN	0.02	.0201	0				
HEPTACHLOR EPOXIDE	0.02	.0201	0				
G-CHLORDANE	0.02	.0198	1				
A-CHLORDANE	0.02	.0198	1				
4-4-DDE	0.04	.0398	0				
ENDOSULFAN II	0.04	.0400	0				
ENDRIN ALDEHYDE	0.04	.0388	3				
ENDOSULFAN SULFATE	0.04	.0402	0				
ENDRIN KETONE	0.04	.0420	5				
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50			.470	6		
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			3		6		#DIV/0!

Page 1
Page 3
Page 2

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H103003 Date: 10/30/07 Time 13:50		Name: INDAB-3 File: H103014 Date: 10/30/07 Time 18:26		Name: INDAB-3 File: H103027 Date: 10/30/07 Time 23:24	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0201	0	.0201	0	.0210	5
LINDANE	0.02	.0199	0	.0201	0	.0210	5
HEPTACHLOR	0.02	.0218	9	.0214	7	.0223	12
ENDOSULFAN I	0.02	.0205	3	.0203	1	.0212	6
DIELDRIN	0.04	.0430	7	.0429	7	.0449	12
ENDRIN	0.04	.0443	11	.0433	8	.0453	13
4-4-DDD	0.04	.0403	1	.0395	1	.0416	4
4-4-DDT	0.04	.0421	5	.0414	4	.0438	9
METHOXYCHLOR	0.20	.249	25 *	.253	27 *	.277	39 *
B-BHC	0.02	.0202	1	.0205	3	.0214	7
D-BHC	0.02	.0201	0	.0196	2	.0206	3
ALDRIN	0.02	.0206	3	.0205	3	.0212	6
HEPTACHLOR EPOXIDE	0.02	.0205	3	.0203	1	.0212	6
G-CHLORDANE	0.02	.0206	3	.0202	1	.0210	5
A-CHLORDANE	0.02	.0204	2	.0202	1	.0210	5
4-4-DDE	0.04	.0403	1	.0394	2	.0410	3
ENDOSULFAN II	0.04	.0411	3	.0403	1	.0424	6
ENDRIN ALDEHYDE	0.04	.0433	8	.0442	11	.0470	18
ENDOSULFAN SULFATE	0.04	.0402	0	.0400	0	.0423	6
ENDRIN KETONE	0.04	.0439	10	.0416	4	.0444	11
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			5		4		9

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H103039 Date: 10/31/07 Time 03:59		Name: INDAB-3 File: H103052 Date: 10/31/07 Time 08:58		Name: INDAB-3 File: H103064 Date: 10/31/07 Time 13:34	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0210	5	.0212	6	.0205	3
LINDANE	0.02	.0210	5	.0212	6	.0203	1
HEPTACHLOR	0.02	.0222	11	.0224	12	.0218	9
ENDOSULFAN I	0.02	.0212	6	.0216	8	.0204	2
DIELDRIN	0.04	.0450	13	.0458	15	.0443	11
ENDRIN	0.04	.0449	12	.0451	13	.0433	8
4-4-DDD	0.04	.0416	4	.0429	7	.0438	9
4-4-DDT	0.04	.0431	8	.0425	6	.0331	17
METHOXYCHLOR	0.20	.276	38 *	.279	40 *	.260	30 *
B-BHC	0.02	.0214	7	.0216	8	.0207	4
D-BHC	0.02	.0205	3	.0208	4	.0200	0
ALDRIN	0.02	.0212	6	.0214	7	.0207	4
HEPTACHLOR EPOXIDE	0.02	.0212	6	.0215	7	.0204	2
G-CHLORDANE	0.02	.0210	5	.0212	6	.0204	2
A-CHLORDANE	0.02	.0211	6	.0213	6	.0205	3
4-4-DDE	0.04	.0408	2	.0414	4	.0400	0
ENDOSULFAN II	0.04	.0424	6	.0429	7	.0406	1
ENDRIN ALDEHYDE	0.04	.0469	17	.0461	15	.0454	14
ENDOSULFAN SULFATE	0.04	.0429	7	.0424	6	.0406	1
ENDRIN KETONE	0.04	.0445	11	.0453	13	.0431	8
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			9		10		6

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: GT103007.SEQ COLUMN: RTXCLP2

		Name: TOX-3 File: H103065 Date: 10/31/07 Time 13:57		Name: File: Date: Time		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02						
LINDANE	0.02						
HEPTACHLOR	0.02						
ENDOSULFAN I	0.02						
DIELDRIN	0.04						
ENDRIN	0.04						
4-4-DDD	0.04						
4-4-DDT	0.04						
METHOXYCHLOR	0.20						
B-BHC	0.02						
D-BHC	0.02						
ALDRIN	0.02						
HEPTACHLOR EPOXIDE	0.02						
G-CHLORDANE	0.02						
A-CHLORDANE	0.02						
4-4-DDE	0.04						
ENDOSULFAN II	0.04						
ENDRIN ALDEHYDE	0.04						
ENDOSULFAN SULFATE	0.04						
ENDRIN KETONE	0.04						
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50	.518	4				
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			4		#DIV/0!		#DIV/0!

AFCEE
ORGANIC ANALYSES DATA SHEET 6
SECOND COLUMN/DETECTOR CONFIRMATION

Analytical Method:	SW8081A	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
		Matrix	Solid

SEE ATTACHED SECOND COLUMN/DETECTOR CONFIRMATION

Comments:

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0101BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-001B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT 57G Instrument ID (2): GCGT 57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	10.10	-0.07	0.07	0.00048	
	2	11.69	-0.07	0.07	0.00056	15.4
Endosulfan II	1	11.05	-0.07	0.07	0.00016	
	2	12.85	-0.07	0.07	0.00040	85.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0201BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-002B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT_57G Instrument ID (2): GCGT_57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4´-DDD	1	10.77	-0.07	0.07	0.0029	
	2	12.62	-0.07	0.07	0.00020	174.2
Dieldrin	1	10.10	-0.07	0.07	0.0016	
	2	11.68	-0.07	0.07	0.0025	43.9
Endrin	1	10.57	-0.07	0.07	0.00078	
	2	12.36	-0.07	0.07	0.0011	34.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0301BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.:F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-003B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT_57G Instrument ID (2): GCGT_57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4´-DDD	1	10.77	-0.07	0.07	0.0028	
	2	12.61	-0.07	0.07	0.0020	33.3
4,4´-DDE	1	9.49	-0.05	0.05	0.0037	
	2	11.31	-0.05	0.05	0.0035	5.6
Aldrin	1	7.47	-0.05	0.05	0.0010	
	2	8.89	-0.05	0.05	0.00096	4.1
Dieldrin	1	10.09	-0.07	0.07	0.0045	
	2	11.68	-0.07	0.07	0.0065	36.4
Heptachlor epoxide	1	8.78	-0.05	0.05	0.00048	
	2	10.18	-0.05	0.05	0.00048	.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0401BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-004B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT_57G Instrument ID (2): GCGT_57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4´-DDD	1	10.77	-0.07	0.07	0.0045	
	2	12.61	-0.07	0.07	0.0011	121.4
Dieldrin	1	10.10	-0.07	0.07	0.0036	
	2	11.68	-0.07	0.07	0.0068	61.5
Endosulfan II	1	11.05	-0.07	0.07	0.00037	
	2	12.85	-0.07	0.07	0.0039	165.3
Heptachlor epoxide	1	8.78	-0.05	0.05	0.00067	
	2	10.18	-0.05	0.05	0.00075	11.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0501BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.:F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-005B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT 57G Instrument ID (2): GCGT 57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	10.77	-0.07	0.07	0.0055	
	2	12.61	-0.07	0.07	0.0025	75.0
4,4'-DDE	1	9.49	-0.05	0.05	0.00062	
	2	11.31	-0.05	0.05	0.0018	97.5
Dieldrin	1	10.10	-0.07	0.07	0.0085	
	2	11.68	-0.07	0.07	0.013	41.9
Heptachlor epoxide	1	8.78	-0.05	0.05	0.0011	
	2	10.18	-0.05	0.05	0.0024	74.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0601BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-006B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT 57G Instrument ID (2): GCGT 57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	10.76	-0.07	0.07	0.0021	
	2	12.63	-0.07	0.07	0.00043	132.0
Dieldrin	1	10.09	-0.07	0.07	0.00021	
	2	11.67	-0.07	0.07	0.0033	176.1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0701BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-007B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT_57G Instrument ID (2): GCGT_57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	9.28	-0.05	0.05	0.00093	
	2	10.93	-0.05	0.05	0.00042	75.6
4,4´-DDD	1	10.77	-0.07	0.07	0.0038	
	2	12.61	-0.07	0.07	0.0017	76.4
Dieldrin	1	10.10	-0.07	0.07	0.0052	
	2	11.68	-0.07	0.07	0.0065	22.2
Endosulfan II	1	11.05	-0.07	0.07	0.00035	
	2	12.85	-0.07	0.07	0.0064	179.3
Heptachlor epoxide	1	8.78	-0.05	0.05	0.00051	
	2	10.18	-0.05	0.05	0.0013	87.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSD0801BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710130

Lab Sample ID: 0710130-008B Date(s) Analyzed: 11/16/07 11/16/07

Instrument ID (1): GCGT 57G Instrument ID (2): GCGT 57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDE	1	9.49	-0.05	0.05	0.0020	
	2	11.31	-0.05	0.05	0.00030	147.8
Endosulfan II	1	11.06	-0.07	0.07	0.00037	
	2	12.84	-0.07	0.07	0.00045	19.5

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8081A	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6435
Initial Calibration ID:	1111	**File ID:**	F:\GTnov07\H111509.rst

Analyte	Method Blank	RL	Q
alpha-BHC	0.00015	0.0017	U
beta-BHC	0.00043	0.0017	U
delta-BHC	0.000090	0.0017	U
gamma-BHC	0.00016	0.0017	U
alpha-Chlordane	0.00017	0.0017	U
gamma-Chlordane	0.00012	0.0017	U
4,4´-DDD	0.00014	0.0033	U
4,4´-DDE	0.00011	0.0033	U
4,4´-DDT	0.00015	0.0033	U
Aldrin	0.00013	0.0017	U
Dieldrin	0.00012	0.0033	U
Endosulfan I	0.00012	0.0017	U
Endosulfan II	0.00010	0.0033	U
Endosulfan sulfate	0.00021	0.0033	U
Endrin	0.00014	0.0033	U
Endrin aldehyde	0.00034	0.0033	U
Heptachlor	0.00015	0.0017	U
Heptachlor epoxide	0.00015	0.0017	U
Methoxychlor	0.00031	0.017	U
Toxaphene	0.0064	0.10	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	85	56 - 132	
Tetrachloro-m-xylene	92	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8081A	**AAB #:**	6435
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6435
Initial Calibration ID:	1110	**File ID:**	F:\GTnov07\G111509.rst

Analyte	Method Blank	RL	Q
alpha-BHC	0.00015	0.0017	U
beta-BHC	0.00043	0.0017	U
delta-BHC	0.00024	0.0017	F
gamma-BHC	0.00016	0.0017	U
alpha-Chlordane	0.00017	0.0017	U
gamma-Chlordane	0.00012	0.0017	U
4,4'-DDD	0.00014	0.0033	U
4,4'-DDE	0.00011	0.0033	U
4,4'-DDT	0.00015	0.0033	U
Aldrin	0.00013	0.0017	U
Dieldrin	0.00012	0.0033	U
Endosulfan I	0.00012	0.0017	U
Endosulfan II	0.00010	0.0033	U
Endosulfan sulfate	0.00021	0.0033	U
Endrin	0.00014	0.0033	U
Endrin aldehyde	0.00034	0.0033	U
Heptachlor	0.00015	0.0017	U
Heptachlor epoxide	0.00015	0.0017	U
Methoxychlor	0.00031	0.017	U
Toxaphene	0.0064	0.10	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	85	56 - 132	
Tetrachloro-m-xylene	85	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6435 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\GTnov07\H111510.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.0167	0.016	93	62 - 125	
beta-BHC	0.0167	0.016	94	62 - 127	
delta-BHC	0.0167	0.013	77	57 - 130	
gamma-BHC	0.0167	0.016	95	59 - 123	
alpha-Chlordane	0.0167	0.016	99	63 - 121	
gamma-Chlordane	0.0167	0.017	99	48 - 124	
4,4´-DDD	0.0167	0.016	95	50 - 139	
4,4´-DDE	0.0167	0.016	96	68 - 126	
4,4´-DDT	0.0167	0.016	94	46 - 135	
Aldrin	0.0167	0.017	100	47 - 120	
Dieldrin	0.0167	0.017	99	67 - 125	
Endosulfan I	0.0167	0.016	97	41 - 147	
Endosulfan II	0.0167	0.016	97	37 - 141	
Endosulfan sulfate	0.0167	0.015	92	62 - 135	
Endrin	0.0167	0.018	107	61 - 133	
Endrin aldehyde	0.0167	0.0097	58	37 - 147	
Heptachlor	0.0167	0.015	91	51 - 140	
Heptachlor epoxide	0.0167	0.016	96	66 - 130	
Methoxychlor	0.0167	0.017	104	57 - 143	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	56 - 132	
Tetrachloro-m-xylene	99	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6435 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\GTnov07\G111510.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.0167	0.016	96	62 - 125	
beta-BHC	0.0167	0.015	90	62 - 127	
delta-BHC	0.0167	0.013	76	57 - 130	
gamma-BHC	0.0167	0.016	97	59 - 123	
alpha-Chlordane	0.0167	0.015	92	63 - 121	
gamma-Chlordane	0.0167	0.016	93	48 - 124	
4,4'-DDD	0.0167	0.016	95	50 - 139	
4,4'-DDE	0.0167	0.016	94	68 - 126	
4,4'-DDT	0.0167	0.016	93	46 - 135	
Aldrin	0.0167	0.016	94	47 - 120	
Dieldrin	0.0167	0.016	97	67 - 125	
Endosulfan I	0.0167	0.015	90	41 - 147	
Endosulfan II	0.0167	0.016	93	37 - 141	
Endosulfan sulfate	0.0167	0.015	88	62 - 135	
Endrin	0.0167	0.018	105	61 - 133	
Endrin aldehyde	0.0167	0.010	62	37 - 147	
Heptachlor	0.0167	0.015	90	51 - 140	
Heptachlor epoxide	0.0167	0.015	90	66 - 130	
Methoxychlor	0.0167	0.017	104	57 - 143	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	56 - 132	
Tetrachloro-m-xylene	92	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6435 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\GTnov07\H111511.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.0167	0.016	93	62 - 125	
beta-BHC	0.0167	0.016	96	62 - 127	
delta-BHC	0.0167	0.013	79	57 - 130	
gamma-BHC	0.0167	0.016	95	59 - 123	
alpha-Chlordane	0.0167	0.017	100	63 - 121	
gamma-Chlordane	0.0167	0.017	101	48 - 124	
4,4'-DDD	0.0167	0.016	98	50 - 139	
4,4'-DDE	0.0167	0.016	98	68 - 126	
4,4'-DDT	0.0167	0.016	96	46 - 135	
Aldrin	0.0167	0.017	100	47 - 120	
Dieldrin	0.0167	0.017	101	67 - 125	
Endosulfan I	0.0167	0.016	98	41 - 147	
Endosulfan II	0.0167	0.017	99	37 - 141	
Endosulfan sulfate	0.0167	0.016	94	62 - 135	
Endrin	0.0167	0.018	108	61 - 133	
Endrin aldehyde	0.0167	0.010	61	37 - 147	
Heptachlor	0.0167	0.015	92	51 - 140	
Heptachlor epoxide	0.0167	0.016	97	66 - 130	
Methoxychlor	0.0167	0.019	112	57 - 143	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	105	56 - 132	
Tetrachloro-m-xylene	93	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6435 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\GTnov07\G111511.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.0167	0.016	97	62 - 125	
beta-BHC	0.0167	0.015	92	62 - 127	
delta-BHC	0.0167	0.013	77	57 - 130	
gamma-BHC	0.0167	0.016	97	59 - 123	
alpha-Chlordane	0.0167	0.016	94	63 - 121	
gamma-Chlordane	0.0167	0.016	94	48 - 124	
4,4´-DDD	0.0167	0.016	98	50 - 139	
4,4´-DDE	0.0167	0.016	96	68 - 126	
4,4´-DDT	0.0167	0.016	96	46 - 135	
Aldrin	0.0167	0.016	94	47 - 120	
Dieldrin	0.0167	0.017	99	67 - 125	
Endosulfan I	0.0167	0.015	92	41 - 147	
Endosulfan II	0.0167	0.016	96	37 - 141	
Endosulfan sulfate	0.0167	0.015	90	62 - 135	
Endrin	0.0167	0.018	107	61 - 133	
Endrin aldehyde	0.0167	0.011	65	37 - 147	
Heptachlor	0.0167	0.015	90	51 - 140	
Heptachlor epoxide	0.0167	0.015	91	66 - 130	
Methoxychlor	0.0167	0.018	109	57 - 143	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	108	56 - 132	
Tetrachloro-m-xylene	87	69 - 124	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6435 **MS ID:** LCS-6435 **MSD ID:** LCSD-6435

Calibration ID: 1111

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
alpha-BHC		0.017	0.016	93	0.016	93	0	62 - 125	50	
beta-BHC		0.017	0.016	94	0.016	96	1	62 - 127	50	
delta-BHC		0.017	0.013	77	0.013	79	3	57 - 130	50	
gamma-BHC		0.017	0.016	95	0.016	95	0	59 - 123	50	
alpha-Chlordane		0.017	0.016	99	0.017	100	1	63 - 121	50	
gamma-Chlordane		0.017	0.017	99	0.017	101	2	48 - 124	50	
4,4´-DDD		0.017	0.016	95	0.016	98	2	50 - 139	50	
4,4´-DDE		0.017	0.016	96	0.016	98	2	68 - 126	50	
4,4´-DDT		0.017	0.016	94	0.016	96	2	46 - 135	50	
Aldrin		0.017	0.017	100	0.017	100	1	47 - 120	50	
Dieldrin		0.017	0.017	99	0.017	101	2	67 - 125	50	
Endosulfan I		0.017	0.016	97	0.016	98	1	41 - 147	50	
Endosulfan II		0.017	0.016	97	0.017	99	2	37 - 141	50	
Endosulfan sulfate		0.017	0.015	92	0.016	94	3	62 - 135	50	
Endrin		0.017	0.018	107	0.018	108	1	61 - 133	50	
Endrin aldehyde		0.017	0.0097	58	0.010	61	5	37 - 147	50	
Heptachlor		0.017	0.015	91	0.015	92	1	51 - 140	50	
Heptachlor epoxide		0.017	0.016	96	0.016	97	1	66 - 130	50	
Methoxychlor		0.017	0.017	104	0.019	112	8	57 - 143	50	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6435 **MS ID:** LCS-6435 **MSD ID:** LCSD-6435

Calibration ID: 1110

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
alpha-BHC		0.017	0.016	96	0.016	97	0	62 - 125	50	
beta-BHC		0.017	0.015	90	0.015	92	2	62 - 127	50	
delta-BHC		0.017	0.013	76	0.013	77	1	57 - 130	50	
gamma-BHC		0.017	0.016	97	0.016	97	0	59 - 123	50	
alpha-Chlordane		0.017	0.015	92	0.016	94	2	63 - 121	50	
gamma-Chlordane		0.017	0.016	93	0.016	94	1	48 - 124	50	
4,4'-DDD		0.017	0.016	95	0.016	98	3	50 - 139	50	
4,4'-DDE		0.017	0.016	94	0.016	96	2	68 - 126	50	
4,4'-DDT		0.017	0.016	93	0.016	96	3	46 - 135	50	
Aldrin		0.017	0.016	94	0.016	94	1	47 - 120	50	
Dieldrin		0.017	0.016	97	0.017	99	2	67 - 125	50	
Endosulfan I		0.017	0.015	90	0.015	92	2	41 - 147	50	
Endosulfan II		0.017	0.016	93	0.016	96	3	37 - 141	50	
Endosulfan sulfate		0.017	0.015	88	0.015	90	2	62 - 135	50	
Endrin		0.017	0.018	105	0.018	107	2	61 - 133	50	
Endrin aldehyde		0.017	0.010	62	0.011	65	4	37 - 147	50	
Heptachlor		0.017	0.015	90	0.015	90	0	51 - 140	50	
Heptachlor epoxide		0.017	0.015	90	0.015	91	1	66 - 130	50	
Methoxychlor		0.017	0.017	104	0.018	109	4	57 - 143	50	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8081A **AAB #:** 6435

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.1	16-Nov-07	40	23.4	
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.1	16-Nov-07	40	23.4	
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	23-Oct-07	14	5	16-Nov-07	40	23.4	
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	23-Oct-07	14	5	16-Nov-07	40	23.4	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.4	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.4	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	16-Nov-07	40	23.5	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	23-Oct-07	14	5	16-Nov-07	40	23.5	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	23-Oct-07	14	5	16-Nov-07	40	23.5	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.1	16-Nov-07	40	23.5	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.1	16-Nov-07	40	23.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8081A **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCGT_57G **Calibration ID:** 1110

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	07-Nov-07	17:42	07-Nov-07	18:05
PEM	PEM	07-Nov-07	18:05	07-Nov-07	18:28
RESC	RESC	07-Nov-07	18:28	07-Nov-07	18:51
INDAB-1	INDAB-1	07-Nov-07	18:51	07-Nov-07	19:14
INDAB-2	INDAB-2	07-Nov-07	19:14	07-Nov-07	19:37
INDAB-3	INDAB-3	07-Nov-07	19:37	07-Nov-07	20:00
INDAB-4	INDAB-4	07-Nov-07	20:00	07-Nov-07	20:23
INDAB-5	INDAB-5	07-Nov-07	20:23	07-Nov-07	20:46
INDAB-6	INDAB-6	07-Nov-07	20:46	07-Nov-07	21:09
TOX-1	TOX-1	07-Nov-07	21:09	07-Nov-07	21:32
TOX-2	TOX-2	07-Nov-07	21:32	07-Nov-07	21:55
TOX-3	TOX-3	07-Nov-07	21:55	07-Nov-07	22:18
TOX-4	TOX-4	07-Nov-07	22:18	07-Nov-07	22:41
TOX-5	TOX-5	07-Nov-07	22:41	07-Nov-07	23:04
I110707PEST	I110707PEST	08-Nov-07	0:13	08-Nov-07	0:36
I110707TOX	I110707TOX	08-Nov-07	0:36	08-Nov-07	0:59
PIBLK	PIBLK	15-Nov-07	14:19	15-Nov-07	14:42
PEM	PEM	15-Nov-07	14:42	15-Nov-07	15:05
INDAB-3	INDAB-3	15-Nov-07	15:05	15-Nov-07	15:30
MB-6435	MB-6435	15-Nov-07	17:24	15-Nov-07	17:48
LCS-6435	LCS-6435	15-Nov-07	17:48	15-Nov-07	18:11
LCSD-6435	LCSD-6435	15-Nov-07	18:11	15-Nov-07	19:19
PIBLK	PIBLK	15-Nov-07	19:19	15-Nov-07	19:42
INDAB-3	INDAB-3	15-Nov-07	19:42	15-Nov-07	23:55
PIBLK	PIBLK	15-Nov-07	23:55	16-Nov-07	0:18
INDAB-3	INDAB-3	16-Nov-07	0:18	16-Nov-07	0:41
TMCSD0101BB	0710130-001B	16-Nov-07	0:41	16-Nov-07	1:04
TMCSD0201BB	0710130-002B	16-Nov-07	1:04	16-Nov-07	1:27
TMCSD0301BB	0710130-003B	16-Nov-07	1:27	16-Nov-07	1:50
TMCSD0401BB	0710130-004B	16-Nov-07	1:50	16-Nov-07	2:13
TMCSD0501BB	0710130-005B	16-Nov-07	2:13	16-Nov-07	2:36
TMCSD0601BB	0710130-006B	16-Nov-07	2:36	16-Nov-07	2:59
TMCSD0701BB	0710130-007B	16-Nov-07	2:59	16-Nov-07	3:22
TMCSD0801BB	0710130-008B	16-Nov-07	3:22	16-Nov-07	5:39
PIBLK	PIBLK	16-Nov-07	5:39	16-Nov-07	6:02
INDAB-3	INDAB-3	16-Nov-07	6:02	16-Nov-07	6:25
TOX-3	TOX-3	16-Nov-07	6:25	16-Nov-07	6:25

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8081A **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCGT_57H **Calibration ID:** 1111

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	07-Nov-07	17:42	07-Nov-07	18:05
PEM	PEM	07-Nov-07	18:05	07-Nov-07	18:28
RESC	RESC	07-Nov-07	18:28	07-Nov-07	18:51
INDAB-1	INDAB-1	07-Nov-07	18:51	07-Nov-07	19:14
INDAB-2	INDAB-2	07-Nov-07	19:14	07-Nov-07	19:37
INDAB-3	INDAB-3	07-Nov-07	19:37	07-Nov-07	20:00
INDAB-4	INDAB-4	07-Nov-07	20:00	07-Nov-07	20:23
INDAB-5	INDAB-5	07-Nov-07	20:23	07-Nov-07	20:46
INDAB-6	INDAB-6	07-Nov-07	20:46	07-Nov-07	21:09
TOX-1	TOX-1	07-Nov-07	21:09	07-Nov-07	21:32
TOX-2	TOX-2	07-Nov-07	21:32	07-Nov-07	21:55
TOX-3	TOX-3	07-Nov-07	21:55	07-Nov-07	22:18
TOX-4	TOX-4	07-Nov-07	22:18	07-Nov-07	22:41
TOX-5	TOX-5	07-Nov-07	22:41	07-Nov-07	23:04
I110707PEST	I110707PEST	08-Nov-07	0:13	08-Nov-07	0:36
I110707TOX	I110707TOX	08-Nov-07	0:36	08-Nov-07	0:59
PIBLK	PIBLK	15-Nov-07	14:19	15-Nov-07	14:42
PEM	PEM	15-Nov-07	14:42	15-Nov-07	15:05
INDAB-3	INDAB-3	15-Nov-07	15:05	15-Nov-07	15:30
MB-6435	MB-6435	15-Nov-07	17:24	15-Nov-07	17:48
LCS-6435	LCS-6435	15-Nov-07	17:48	15-Nov-07	18:11
LCSD-6435	LCSD-6435	15-Nov-07	18:11	15-Nov-07	19:19
PIBLK	PIBLK	15-Nov-07	19:19	15-Nov-07	19:42
INDAB-3	INDAB-3	15-Nov-07	19:42	15-Nov-07	23:55
PIBLK	PIBLK	15-Nov-07	23:55	16-Nov-07	0:18
INDAB-3	INDAB-3	16-Nov-07	0:18	16-Nov-07	0:41
TMCSD0101BB	0710130-001B	16-Nov-07	0:41	16-Nov-07	1:04
TMCSD0201BB	0710130-002B	16-Nov-07	1:04	16-Nov-07	1:27
TMCSD0301BB	0710130-003B	16-Nov-07	1:27	16-Nov-07	1:50
TMCSD0401BB	0710130-004B	16-Nov-07	1:50	16-Nov-07	2:13
TMCSD0501BB	0710130-005B	16-Nov-07	2:13	16-Nov-07	2:36
TMCSD0601BB	0710130-006B	16-Nov-07	2:36	16-Nov-07	2:59
TMCSD0701BB	0710130-007B	16-Nov-07	2:59	16-Nov-07	3:22
TMCSD0801BB	0710130-008B	16-Nov-07	3:22	16-Nov-07	5:39
PIBLK	PIBLK	16-Nov-07	5:39	16-Nov-07	6:02
INDAB-3	INDAB-3	16-Nov-07	6:02	16-Nov-07	6:25
TOX-3	TOX-3	16-Nov-07	6:25	16-Nov-07	6:25

Comments:

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	PIBLK	PIBLK	G103001	10/30/07	13:04	1	1	1	
2	2	PEM	PEM	G103002	10/30/07	13:27	1	1	1	
3	3	INDAB-3	CCV	G103003	10/30/07	13:50	1	1	1	
4	4	MB-6428	MBLK	G103004	10/30/07	14:13	1000	10	1	
5	5	LCS-6428	LCS	G103005	10/30/07	14:36	1000	10	1	
6	6	HEX		G103006	10/30/07	14:59	1	1	1	
7	7	MB-6435	MBLK	G103007	10/30/07	15:22	30	10	1	
8	8	LCS-6435	LCS	G103008	10/30/07	15:45	30	10	1	
9	9	LCSD-6435	LCSD	G103009	10/30/07	16:31	30	10	1	
10	10	MB-6436	MBLK	G103010	10/30/07	16:54	1000	10	1	
11	11	LCS-6436	LCS	G103011	10/30/07	17:17	1000	10	1	
12	12	LCSD-6436	LCSD	G103012	10/30/07	17:40	1000	10	1	
13	13	PIBLK	PIBLK	G103013	10/30/07	18:03	1	1	1	
14	14	INDAB-3	CCV	G103014	10/30/07	18:26	1	1	1	
15	15	MB-6449	MBLK	G103015	10/30/07	18:49	1000	10	1	
16	16	LCS-6449	LCS	G103016	10/30/07	19:12	1000	10	1	
17	17	LCSD-6449	LCSD	G103017	10/30/07	19:35	1000	10	1	
18	18	LCS2-6449	LCS2	G103018	10/30/07	19:58	1000	10	1	
19	19	LCSD2-6449	LCSD2	G103019	10/30/07	20:20	1000	10	1	
20	20	0710124-001A	SAMP	G103020	10/30/07	20:43	1000	10	1	

Comments: 1)

2)

Analyst/Date SDC 1/9/08

Supervisor/Date:_____

Method:8081,8082,608,8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
21	21	0710124-001AMS	MS	G103021	10/30/07	21:06	1000	10	1	
22	22	0710124-001AMSD	MSD	G103022	10/30/07	21:29	1000	10	1	
23	23	0710124-002A	SAMP	G103023	10/30/07	21:52	1000	10	1	
24	24	HEX		G103024	10/30/07	22:15	1	1	1	
25	25	PIBLK	PIBLK	G103025	10/30/07	22:38	1	1	1	
26	26	PEM	PEM	G103026	10/30/07	23:01	1	1	1	
27	27	INDAB-3	CCV	G103027	10/30/07	23:24	1	1	1	
28	28	0710124-003A	SAMP	G103028	10/30/07	23:47	970	10	1	
29	29	0710124-004A	SAMP	G103029	10/31/07	00:10	990	10	1	
30	30	0710124-005A	SAMP	G103030	10/31/07	00:33	1000	10	1	
31	31	0710124-006A	SAMP	G103031	10/31/07	00:56	960	10	1	
32	32	0710124-007A	SAMP	G103032	10/31/07	01:19	960	10	1	
33	33	0710124-010A	SAMP	G103033	10/31/07	01:42	1000	10	1	
34	34	0710124-011A	SAMP	G103034	10/31/07	02:05	1000	10	1	
35	35	0710124-012A	SAMP	G103035	10/31/07	02:28	1000	10	1	
36	36	0710124-013A	SAMP	G103036	10/31/07	02:51	930	10	1	
37	37	HEX		G103037	10/31/07	03:13	1	1	1	
38	38	PIBLK	PIBLK	G103038	10/31/07	03:36	1	1	1	
39	39	INDAB-3	CCV	G103039	10/31/07	03:59	1	1	1	
40	40	0710124-014A	SAMP	G103040	10/31/07	04:22	880	10	1	

Comments: 1)

Analyst/Date STR 1/9/08

2)

Supervisor/Date:

Method: 8081,8082,608,8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
41	41	0710131-001A	SAMP	G103041	10/31/07	04:45	1000	10	1	
42	42	0710131-002A	SAMP	G103042	10/31/07	05:08	1000	10	1	
43	43	0710131-003A	SAMP	G103043	10/31/07	05:31	1000	10	1	
44	44	0710131-004A	SAMP	G103044	10/31/07	05:54	1000	10	1	
45	45	0710131-005A	SAMP	G103045	10/31/07	06:17	1000	10	1	
46	46	0710131-006A	SAMP	G103046	10/31/07	06:40	900	10	1	
47	47	0710131-007A	SAMP	G103047	10/31/07	07:03	900	10	1	
48	48	0710131-008A	SAMP	G103048	10/31/07	07:26	980	10	1	
49	49	HEX		G103049	10/31/07	07:49	1	1	1	
50	50	PIBLK	PIBLK	G103050	10/31/07	08:12	1	1	1	
51	51	PEM	PEM	G103051	10/31/07	08:35	1	1	1	
52	52	INDAB-3	CCV	G103052	10/31/07	08:58	1	1	1	
53	53	0710131-009A	SAMP	G103053	10/31/07	09:21	910	10	1	
54	54	0710130-001B	SAMP	G103054	10/31/07	09:44	30	10	1	
55	55	0710130-002B	SAMP	G103055	10/31/07	10:07	30	10	1	
56	56	0710130-003B	SAMP	G103056	10/31/07	10:30	30	10	1	
57	57	0710130-004B	SAMP	G103057	10/31/07	10:53	30	10	1	
58	58	0710130-005B	SAMP	G103058	10/31/07	11:16	30	10	1	
59	59	0710130-006B	SAMP	G103059	10/31/07	11:39	30	10	1	
60	60	0710130-007B	SAMP	G103060	10/31/07	12:02	30	10	1	

Comments: 1)

2)

Analyst/Date SR- 1/9/08

Supervisor/Date:

Method: 8081,8082,608,8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
61	61	0710130-008B	SAMP	G103061	10/31/07	12:25	30	10	1	
62	62	HEX		G103062	10/31/07	12:48	1	1	1	
63	63	PIBLK	PIBLK	G103063	10/31/07	13:11	1	1	1	
64	64	INDAB-3	CCV	G103064	10/31/07	13:34	1	1	1	
65	65	TOX-3	CCV	G103065	10/31/07	13:57	1	1	1	

Comments: 1)

2)

Analyst/Date SRC 1/9/08

Supervisor/Date:

Method 8081,8082,608,8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP2 Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	PIBLK	PIBLK	H103001	10/30/07	13:04	1	1	1	
2	2	PEM	PEM	H103002	10/30/07	13:27	1	1	1	
3	3	INDAB-3	CCV	H103003	10/30/07	13:50	1	1	1	
4	4	MB-6428	MBLK	H103004	10/30/07	14:13	1000	10	1	
5	5	LCS-6428	LCS	H103005	10/30/07	14:36	1000	10	1	
6	6	HEX		H103006	10/30/07	14:59	1	1	1	
7	7	MB-6435	MBLK	H103007	10/30/07	15:22	30	10	1	
8	8	LCS-6435	LCS	H103008	10/30/07	15:45	30	10	1	
9	9	LCSD-6435	LCSD	H103009	10/30/07	16:31	30	10	1	
10	10	MB-6436	MBLK	H103010	10/30/07	16:54	1000	10	1	
11	11	LCS-6436	LCS	H103011	10/30/07	17:17	1000	10	1	
12	12	LCSD-6436	LCSD	H103012	10/30/07	17:40	1000	10	1	
13	13	PIBLK	PIBLK	H103013	10/30/07	18:03	1	1	1	
14	14	INDAB-3	CCV	H103014	10/30/07	18:26	1	1	1	
15	15	MB-6449	MBLK	H103015	10/30/07	18:49	1000	10	1	
16	16	LCS-6449	LCS	H103016	10/30/07	19:12	1000	10	1	
17	17	LCSD-6449	LCSD	H103017	10/30/07	19:35	1000	10	1	
18	18	LCS2-6449	LCS2	H103018	10/30/07	19:58	1000	10	1	
19	19	LCSD2-6449	LCSD2	H103019	10/30/07	20:20	1000	10	1	
20	20	0710124-001A	SAMP	H103020	10/30/07	20:43	1000	10	1	

Comments: 1)

2)

Analyst/Date SDR. 1/9/08

Supervisor/Date:

Method: 8081, 8082, 608, 8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP2 Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
21	21	0710124-001AMS	MS	H103021	10/30/07	21:06	1000	10	1	
22	22	0710124-001AMSD	MSD	H103022	10/30/07	21:29	1000	10	1	
23	23	0710124-002A	SAMP	H103023	10/30/07	21:52	1000	10	1	
24	24	HEX		H103024	10/30/07	22:15	1	1	1	
25	25	PIBLK	PIBLK	H103025	10/30/07	22:38	1	1	1	
26	26	PEM	PEM	H103026	10/30/07	23:01	1	1	1	
27	27	INDAB-3	CCV	H103027	10/30/07	23:24	1	1	1	
28	28	0710124-003A	SAMP	H103028	10/30/07	23:47	970	10	1	
29	29	0710124-004A	SAMP	H103029	10/31/07	00:10	990	10	1	
30	30	0710124-005A	SAMP	H103030	10/31/07	00:33	1000	10	1	
31	31	0710124-006A	SAMP	H103031	10/31/07	00:56	960	10	1	
32	32	0710124-007A	SAMP	H103032	10/31/07	01:19	960	10	1	
33	33	0710124-010A	SAMP	H103033	10/31/07	01:42	1000	10	1	
34	34	0710124-011A	SAMP	H103034	10/31/07	02:05	1000	10	1	
35	35	0710124-012A	SAMP	H103035	10/31/07	02:28	1000	10	1	
36	36	0710124-013A	SAMP	H103036	10/31/07	02:51	930	10	1	
37	37	HEX		H103037	10/31/07	03:13	1	1	1	
38	38	PIBLK	PIBLK	H103038	10/31/07	03:36	1	1	1	
39	39	INDAB-3	CCV	H103039	10/31/07	03:59	1	1	1	
40	40	0710124-014A	SAMP	H103040	10/31/07	04:22	880	10	1	

Comments: 1)

2)

Analyst/Date STR 1/9/08

Supervisor/Date:

Method: 8081,8082,608,8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP2 Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
41	41	0710131-001A	SAMP	H103041	10/31/07	04:45	1000	10	1	
42	42	0710131-002A	SAMP	H103042	10/31/07	05:08	1000	10	1	
43	43	0710131-003A	SAMP	H103043	10/31/07	05:31	1000	10	1	
44	44	0710131-004A	SAMP	H103044	10/31/07	05:54	1000	10	1	
45	45	0710131-005A	SAMP	H103045	10/31/07	06:17	1000	10	1	
46	46	0710131-006A	SAMP	H103046	10/31/07	06:40	900	10	1	
47	47	0710131-007A	SAMP	H103047	10/31/07	07:03	900	10	1	
48	48	0710131-008A	SAMP	H103048	10/31/07	07:26	980	10	1	
49	49	HEX		H103049	10/31/07	07:49	1	1	1	
50	50	PIBLK	PIBLK	H103050	10/31/07	08:12	1	1	1	
51	51	PEM	PEM	H103051	10/31/07	08:35	1	1	1	
52	52	INDAB-3	CCV	H103052	10/31/07	08:58	1	1	1	
53	53	0710131-009A	SAMP	H103053	10/31/07	09:21	910	10	1	
54	54	0710130-001B	SAMP	H103054	10/31/07	09:44	30	10	1	
55	55	0710130-002B	SAMP	H103055	10/31/07	10:07	30	10	1	
56	56	0710130-003B	SAMP	H103056	10/31/07	10:30	30	10	1	
57	57	0710130-004B	SAMP	H103057	10/31/07	10:53	30	10	1	
58	58	0710130-005B	SAMP	H103058	10/31/07	11:16	30	10	1	
59	59	0710130-006B	SAMP	H103059	10/31/07	11:39	30	10	1	
60	60	0710130-007B	SAMP	H103060	10/31/07	12:02	30	10	1	

Comments: 1)

Analyst/Date STR 1/9/08

2)

Supervisor/Date:_____

Method: 8081, 8082, 608, 8151, _____

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-GT Column: RTXCLP2 Sequence: GT103007.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
61	61	0710130-008B	SAMP	H103061	10/31/07	12:25	30	10	1	
62	62	HEX		H103062	10/31/07	12:48	1	1	1	
63	63	PIBLK	PIBLK	H103063	10/31/07	13:11	1	1	1	
64	64	INDAB-3	CCV	H103064	10/31/07	13:34	1	1	1	
65	65	TOX-3	CCV	H103065	10/31/07	13:57	1	1	1	

Comments: 1)

2)

Analyst/Date SFG 1/9/08

Supervisor/Date:

Method: 8081,8082,608,8151, _____

PCB Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8082	**AAB #:**	11850
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90 20D	**Date of Initial Calibration:**	29-Jun-07
Initial Calibration ID:	1112	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

#1112

Turbochrom Method File F:\Methods\d60062907.mth
Printed by : manager on: 7/2/07 12:36:31
Created by : manager on: 7/2/07 10:17:18
Edited by : manager on: 7/2/07 12:36:23
Number of Times Edited : 3
Number of Times Calibrated : 60
Description: AR1016/AR1260 - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1016-1
Component Type : Single Peak Component
Retention Time : 6.925 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	11905.13	2144.23			1
4	0.1000	24569.91	4293.95			1
3	0.2000	44542.66	8156.71			1
2	0.3000	72807.59	12774.61			1
1	0.5000	116474.06	20641.66			1

Average Calibration Factor = 236431.032022 (%RSD = 3.83)

AR1016-2
Component Type : Single Peak Component
Retention Time : 7.990 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	226007.27	45243.70			1
2	0.3000	143725.25	28737.36			1
3	0.2000	96309.62	19252.51			1
4	0.1000	51437.42	10286.53			1
5	0.0500	26873.75	5375.65			1

Average Calibration Factor = 492899.216897 (%RSD = 6.76)

AR1016-3
Component Type : Single Peak Component
Retention Time : 9.313 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:36:31 Method: F:\Methods\d60062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	36647.57	6092.38	----------	----------	1
4	0.1000	72871.00	12357.37	----------	----------	1
3	0.2000	143369.41	24916.04	----------	----------	1
2	0.3000	223355.40	39165.26	----------	----------	1
1	0.5000	367536.45	66632.11	----------	----------	1

Average Calibration Factor = 731619.842927 (%RSD = 1.38)

AR1016-4
Component Type : Single Peak Component
Retention Time : 9.681 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	19153.99	2772.41	----------	----------	1
4	0.1000	36975.23	5520.18	----------	----------	1
3	0.2000	71933.81	10840.54	----------	----------	1
2	0.3000	108929.66	16838.52	----------	----------	1
1	0.5000	176760.97	27704.38	----------	----------	1

Average Calibration Factor = 365824.364410 (%RSD = 3.09)

AR1016-5
Component Type : Single Peak Component
Retention Time : 10.982 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	19313.53	3100.70	----------	----------	1
4	0.1000	37286.99	6151.58	----------	----------	1
3	0.2000	71373.87	11796.37	----------	----------	1
2	0.3000	117978.35	18654.56	----------	----------	1
1	0.5000	193756.27	30632.70	----------	----------	1

Average Calibration Factor = 379356.732415 (%RSD = 3.85)

AR1260-1
Component Type : Single Peak Component
Retention Time : 13.924 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:36:31 Method: F:\Methods\d60062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	18306.70	3353.52	----------	----------	1
4	0.1000	34711.36	6675.25	----------	----------	1
3	0.2000	66033.69	12746.18	----------	----------	1
2	0.3000	103213.76	20234.04	----------	----------	1
1	0.5000	166494.65	32648.42	----------	----------	1

Average Calibration Factor = 344090.237855 (%RSD = 4.14)

AR1260-2
Component Type : Single Peak Component
Retention Time : 14.341 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	33020.64	6195.38	----------	----------	1
4	0.1000	65138.11	12152.67	----------	----------	1
3	0.2000	122128.76	22880.63	----------	----------	1
2	0.3000	189763.28	35686.40	----------	----------	1
1	0.5000	301363.95	56295.81	----------	----------	1

Average Calibration Factor = 631541.956084 (%RSD = 3.95)

AR1260-3
Component Type : Single Peak Component
Retention Time : 15.003 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	36864.42	6478.83	----------	----------	1
4	0.1000	72057.96	13030.94	----------	----------	1
3	0.2000	139555.99	24594.46	----------	----------	1
2	0.3000	218528.19	38583.60	----------	----------	1
1	0.5000	351308.46	62420.26	----------	----------	1

Average Calibration Factor = 717338.430449 (%RSD = 2.34)

AR1260-4
Component Type : Single Peak Component
Retention Time : 16.965 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:36:31 Method: F:\Methods\d60062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	28455.49	5505.32	----------	----------	1
4	0.1000	56398.23	10998.72	----------	----------	1
3	0.2000	108586.39	21264.15	----------	----------	1
2	0.3000	172502.50	33734.97	----------	----------	1
1	0.5000	285823.02	56005.47	----------	----------	1

Average Calibration Factor = 564535.683834 (%RSD = 2.25)

AR1260-5
Component Type : Single Peak Component
Retention Time : 18.755 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	47252.60	6410.73	----------	----------	1
4	0.1000	94609.75	12862.05	----------	----------	1
3	0.2000	179513.77	25257.35	----------	----------	1
2	0.3000	288481.34	41038.83	----------	----------	1
1	0.5000	479434.53	69114.36	----------	----------	1

Average Calibration Factor = 941838.357825 (%RSD = 2.74)

Calibration Replicate Lists
Component : AR1016-1
Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11905.13	2144.23	0.0500	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062906.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24569.91	4293.95	0.1000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062905.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
44542.66	8156.71	0.2000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062904.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
72807.59	12774.61	0.3000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062903.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
116474.06	20641.66	0.5000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062902.rst

Component : AR1016-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
226007.27	45243.70	0.5000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062902.rst

Level : 2

Turbochrom Method File F:\Methods\d21062907.mth
Printed by : manager on: 7/2/07 12:37:48
Created by : manager on: 7/2/07 10:17:32
Edited by : manager on: 7/2/07 12:37:46
Number of Times Edited : 3
Number of Times Calibrated : 52
Description: AR1221- CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1221-1
Component Type : Single Peak Component
Retention Time : 4.381 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	54531.47	10164.02	----------	----------	1
2	0.3000	35013.95	6587.98	----------	----------	1
3	0.2000	23832.97	4298.24	----------	----------	1
4	0.1000	12337.12	2322.55	----------	----------	1
5	0.0500	6179.75	1165.04	----------	----------	1

Average Calibration Factor = 118381.418747 (%RSD = 5.04)

AR1221-2
Component Type : Single Peak Component
Retention Time : 6.321 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	47655.36	9859.50	----------	----------	1
2	0.3000	33903.73	6296.74	----------	----------	1
3	0.2000	21116.08	3902.05	----------	----------	1
4	0.1000	10891.11	2100.16	----------	----------	1
5	0.0500	5533.81	1063.88	----------	----------	1

Average Calibration Factor = 106698.178055 (%RSD = 6.49)

AR1221-3
Component Type : Single Peak Component
Retention Time : 6.751 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:37:48 Method: F:\Methods\d21062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	40305.56	8387.64	----------	----------	1
2	0.3000	25767.85	5239.84	----------	----------	1
3	0.2000	16956.31	3324.44	----------	----------	1
4	0.1000	8384.35	1697.05	----------	----------	1
5	0.0500	4217.87	848.31	----------	----------	1

Average Calibration Factor = 83897.287412 (%RSD = 2.37)

AR1221-4
Component Type : Single Peak Component
Retention Time : 6.924 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	155572.20	27974.10	----------	----------	1
2	0.3000	100302.69	17676.35	----------	----------	1
3	0.2000	62757.23	11226.57	----------	----------	1
4	0.1000	33188.54	5917.50	----------	----------	1
5	0.0500	16837.18	2936.66	----------	----------	1

Average Calibration Factor = 325580.384471 (%RSD = 3.73)

Calibration Replicate Lists
Component : AR1221-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
54531.47	10164.02	0.5000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062907.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
35013.95	6587.98	0.3000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062908.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23832.97	4298.24	0.2000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062909.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12337.12	2322.55	0.1000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062910.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
6179.75	1165.04	0.0500	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062911.rst

Component : AR1221-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47655.36	9859.50	0.5000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062907.rst

Level : 2

Turbochrom Method File F:\Methods\d32062907.mth
Printed by : manager on: 7/2/07 12:39:59
Created by : manager on: 7/2/07 10:17:48
Edited by : manager on: 7/2/07 12:39:57
Number of Times Edited : 4
Number of Times Calibrated : 61
Description: AR1232 - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1232-1
Component Type : Single Peak Component
Retention Time : 6.924 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	136255.70	24139.44	----------	----------	1
2	0.3000	86662.58	15078.63	----------	----------	1
3	0.2000	59393.82	10356.23	----------	----------	1
4	0.1000	28729.63	5069.14	----------	----------	1
5	0.0500	14138.09	2540.88	----------	----------	1

Average Calibration Factor = 285682.757656 (%RSD = 3.14)

AR1232-2
Component Type : Single Peak Component
Retention Time : 7.991 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	95953.01	18948.43	----------	----------	1
2	0.3000	60562.40	12069.85	----------	----------	1
3	0.2000	42402.62	8394.65	----------	----------	1
4	0.1000	21194.07	4191.61	----------	----------	1
5	0.0500	10669.69	2169.58	----------	----------	1

Average Calibration Factor = 206225.662746 (%RSD = 4.48)

AR1232-3
Component Type : Single Peak Component
Retention Time : 9.315 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:39:59 Method: F:\Methods\d32062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	139923.10	24284.74	----------	----------	1
2	0.3000	86176.32	14585.59	----------	----------	1
3	0.2000	58114.65	9754.41	----------	----------	1
4	0.1000	28413.21	4620.99	----------	----------	1
5	0.0500	14095.30	2271.10	----------	----------	1

Average Calibration Factor = 284742.384417 (%RSD = 1.50)

AR1232-4
Component Type : Single Peak Component
Retention Time : 11.248 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	59694.96	8934.43	----------	----------	1
2	0.3000	36410.49	5477.87	----------	----------	1
3	0.2000	25083.51	3733.42	----------	----------	1
4	0.1000	11885.62	1804.40	----------	----------	1
5	0.0500	4729.05	830.18	----------	----------	1

Calibration Curve : y = (-322.296715) + (121230.532109)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998481

AR1232-5
Component Type : Single Peak Component
Retention Time : 12.845 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	62875.85	6456.88	----------	----------	1
2	0.3000	37706.11	3924.54	----------	----------	1
3	0.2000	26103.12	2679.06	----------	----------	1
4	0.1000	11733.36	1247.12	----------	----------	1
5	0.0500	4399.85	575.12	----------	----------	1

Calibration Curve : y = (-1112.637217) + (129027.365017)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998519

Calibration Replicate Lists
Component : AR1232-1
Level : 1

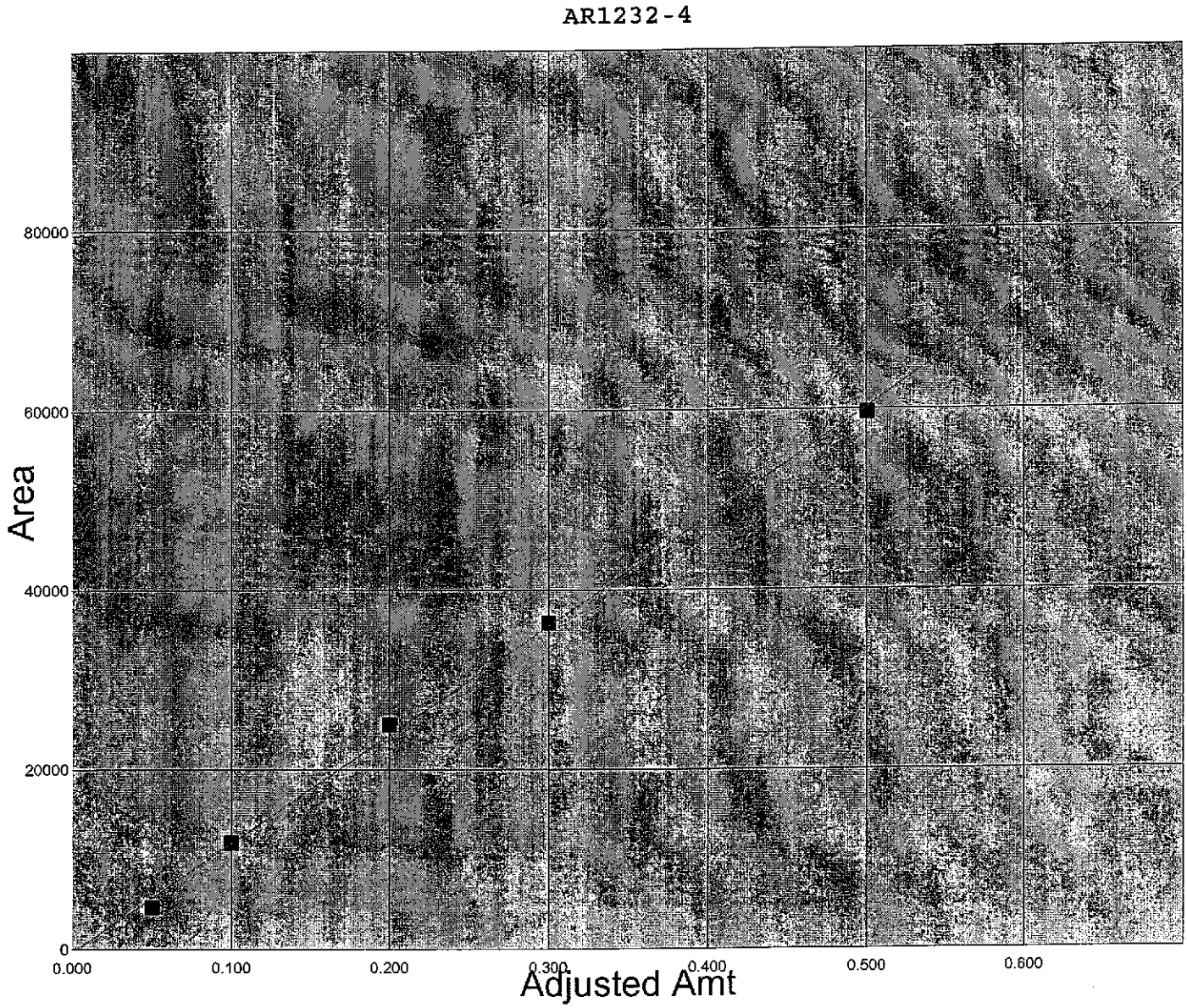
Fit Analysis Output For Method File: F:\METHODS\D32062907.MTH
Component Name : AR1232-4
Date : 7/2/07 12:40:12

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998481
Calibration Curve : Y = (-322.296715) +(121230.532109) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.041667	0.008333	19.998	4729.045890	5739.230	-1010.184	-17.601
4	0.100000	0.100700	-7.000e-04	-0.695	11885.623056	11800.756	84.867	0.719
3	0.200000	0.209566	-0.009566	-4.565	25083.512745	23923.810	1159.703	4.847
2	0.300000	0.302999	-0.002999	-0.990	36410.489242	36046.863	363.626	1.009
1	0.500000	0.495067	0.004933	0.996	59694.957417	60292.969	-598.012	-0.992



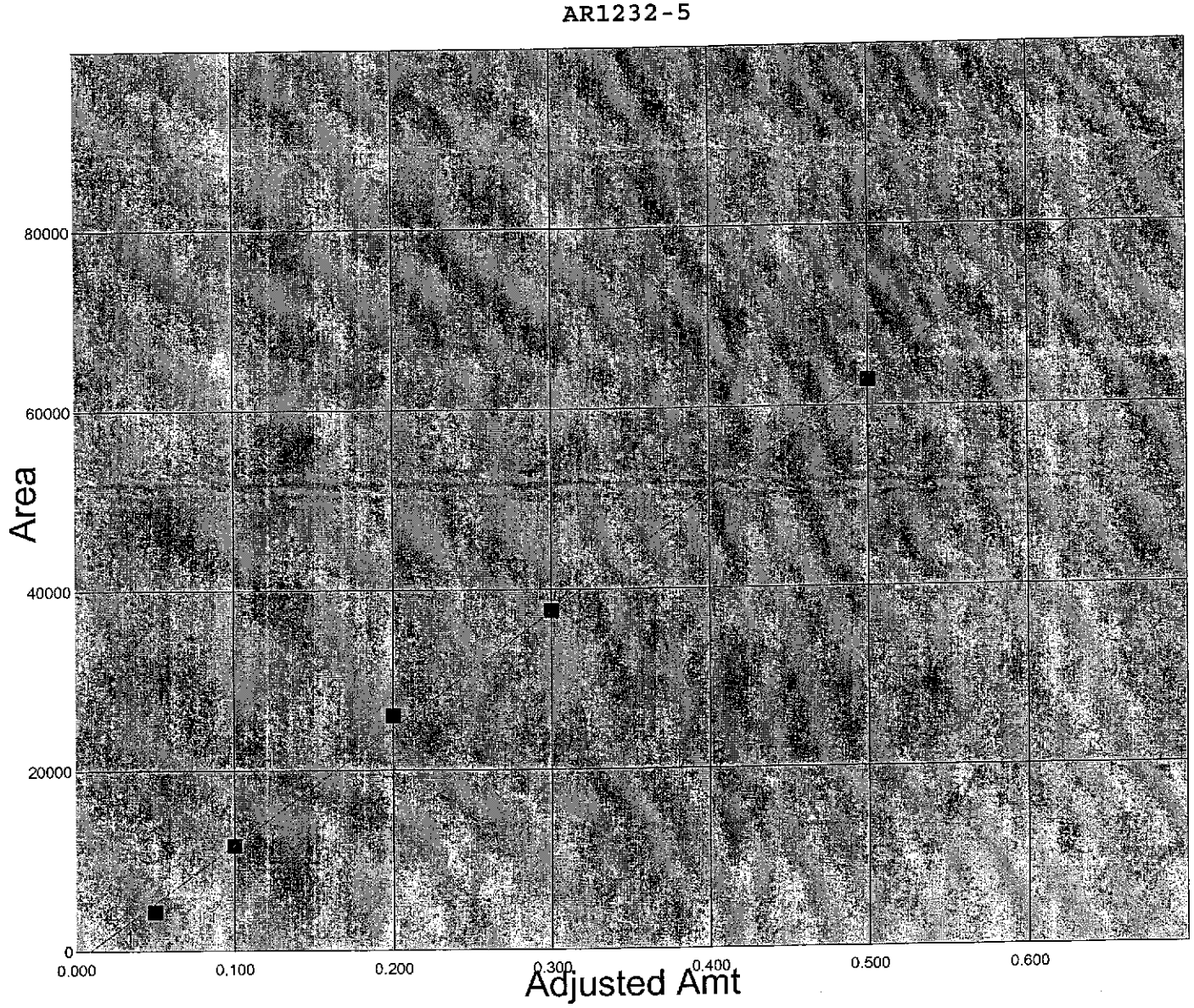
Fit Analysis Output For Method File: F:\METHODS\D32062907.MTH
Component Name : AR1232-5
Date : 7/2/07 12:40:16

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998519
Calibration Curve : Y = (-1112.637217) +(129027.365017) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.042723	0.007277	17.032	4399.847660	5338.731	-938.883	-17.586
4	0.100000	0.099560	0.000440	0.442	11733.362340	11790.099	-56.737	-0.481
3	0.200000	0.210930	-0.010930	-5.182	26103.118416	24692.836	1410.283	5.711
2	0.300000	0.300857	-8.567e-04	-0.285	37706.109826	37595.572	110.538	0.294
1	0.500000	0.495930	0.004070	0.821	62875.845443	63401.045	-525.200	-0.828



Turbochrom Method File E:\Methods\d42062907.mth
Printed by : manager on: 07/03/07 16:19:28
Created by : manager on: 07/02/07 10:18:04
Edited by : manager on: 07/03/07 16:19:25
Number of Times Edited : 5
Number of Times Calibrated : 43
Description: AR1242 - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1242-1
Component Type : Single Peak Component
Retention Time : 6.924 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	88683.50	15437.73	————	————	1
2	0.3000	55248.73	9474.49	————	————	1
3	0.2000	34879.81	5875.57	————	————	1
4	0.1000	17501.13	3186.43	————	————	1
5	0.0500	9128.89	1632.97	————	————	1

Average Calibration Factor = 178703.495583 (%RSD = 2.48)

AR1242-2
Component Type : Single Peak Component
Retention Time : 7.989 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	175939.70	35103.17	————	————	1
2	0.3000	111367.18	22361.45	————	————	1
3	0.2000	71795.62	14362.29	————	————	1
4	0.1000	40128.31	8057.57	————	————	1
5	0.0500	21471.76	4277.81	————	————	1

Average Calibration Factor = 382559.967468 (%RSD = 8.44)

AR1242-3
Component Type : Single Peak Component
Retention Time : 9.312 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

07/03/07 16:19:28 Method: E:\Methods\d42062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	276896.71	49213.01	----------	----------	1
2	0.3000	166124.72	28931.76	----------	----------	1
3	0.2000	103292.61	17443.42	----------	----------	1
4	0.1000	55060.92	9283.38	----------	----------	1
5	0.0500	28969.57	4703.72	----------	----------	1

Average Calibration Factor = 550801.246320 (%RSD = 4.07)

AR1242-4
Component Type : Single Peak Component
Retention Time : 10.980 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	152685.02	24146.59	----------	----------	1
2	0.3000	92266.94	14633.62	----------	----------	1
3	0.2000	58531.23	9173.68	----------	----------	1
4	0.1000	32500.36	5008.18	----------	----------	1
5	0.0500	16209.77	2567.02	----------	----------	1

Average Calibration Factor = 310956.311769 (%RSD = 4.40)

AR1242-5
Component Type : Single Peak Component
Retention Time : 13.923 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	60509.14	9196.50	----------	----------	1
2	0.3000	33925.60	5371.93	----------	----------	1
3	0.2000	22913.54	3337.53	----------	----------	1
4	0.1000	14217.78	2019.76	----------	----------	1
5	0.0500	6352.93	928.85	----------	----------	1

Average Calibration Factor = 123581.527689 (%RSD = 9.54)

Calibration Replicate Lists
Component : AR1242-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
88683.50	15437.73	0.5000	----------	----------	07/03/07	16:19:20	E:\90jun07\D062917.rst

Level : 2

Turbochrom Method File F:\Methods\d48062907.mth
Printed by : manager on: 7/2/07 12:48:04
Created by : manager on: 7/2/07 10:18:20
Edited by : manager on: 7/2/07 12:48:02
Number of Times Edited : 4
Number of Times Calibrated : 46
Description: AR1248 - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1248-1
Component Type : Single Peak Component
Retention Time : 7.990 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	98449.58	19925.24	----------	----------	1
2	0.3000	63621.26	12426.02	----------	----------	1
3	0.2000	42887.15	8172.65	----------	----------	1
4	0.1000	22532.10	4441.85	----------	----------	1
5	0.0500	11901.78	2334.86	----------	----------	1

Average Calibration Factor = 217352.472201 (%RSD = 7.08)

AR1248-2
Component Type : Single Peak Component
Retention Time : 9.312 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	185246.94	32383.36	----------	----------	1
2	0.3000	111655.93	19141.81	----------	----------	1
3	0.2000	75423.50	11780.30	----------	----------	1
4	0.1000	37366.25	6100.62	----------	----------	1
5	0.0500	19089.59	3067.42	----------	----------	1

Average Calibration Factor = 375050.415365 (%RSD = 1.20)

AR1248-3
Component Type : Single Peak Component
Retention Time : 10.979 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:48:04 Method: F:\Methods\d48062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	235474.88	38934.10	----------	----------	1
2	0.3000	143684.49	23724.03	----------	----------	1
3	0.2000	96099.91	15227.31	----------	----------	1
4	0.1000	49420.73	8071.38	----------	----------	1
5	0.0500	26196.77	4200.97	----------	----------	1

Average Calibration Factor = 489708.040699 (%RSD = 4.26)

AR1248-4
Component Type : Single Peak Component
Retention Time : 11.245 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	197615.45	31258.58	----------	----------	1
2	0.3000	118751.56	18940.55	----------	----------	1
3	0.2000	78651.07	11827.02	----------	----------	1
4	0.1000	36653.79	6055.42	----------	----------	1
5	0.0500	18996.13	3089.88	----------	----------	1

Average Calibration Factor = 386157.055778 (%RSD = 3.30)

AR1248-5
Component Type : Single Peak Component
Retention Time : 13.922 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	120465.97	19951.13	----------	----------	1
2	0.3000	71584.80	11915.25	----------	----------	1
3	0.2000	46508.55	7361.58	----------	----------	1
4	0.1000	22184.04	3796.81	----------	----------	1
5	0.0500	9792.54	1835.43	----------	----------	1

Average Calibration Factor = 225956.378551 (%RSD = 8.13)

Calibration Replicate Lists
Component : AR1248-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
98449.58	19925.24	0.5000	---------	-------	7/2/07	12:47:53	G:\TcData\90jun07\D062922.rst

Level : 2

Turbochrom Method File F:\Methods\d54062907.mth
Printed by : manager on: 7/2/07 12:57:31
Created by : manager on: 7/2/07 10:18:36
Edited by : manager on: 7/2/07 12:57:30
Number of Times Edited : 3
Number of Times Calibrated : 52
Description: AR1254 - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1254-1
Component Type : Single Peak Component
Retention Time : 10.257 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	152382.54	23219.26	————	————	1
2	0.3000	95993.02	14718.96	————	————	1
3	0.2000	62623.09	9490.47	————	————	1
4	0.1000	35365.84	5446.36	————	————	1
5	0.0500	16481.26	2597.37	————	————	1

Average Calibration Factor = 324228.177330 (%RSD = 5.80)

AR1254-2
Component Type : Single Peak Component
Retention Time : 12.106 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	315909.95	44772.71	————	————	1
2	0.3000	197500.23	27786.01	————	————	1
3	0.2000	127146.91	17815.59	————	————	1
4	0.1000	72308.98	10147.18	————	————	1
5	0.0500	36060.48	4897.58	————	————	1

Average Calibration Factor = 674037.566137 (%RSD = 6.69)

AR1254-3
Component Type : Single Peak Component
Retention Time : 12.640 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 12:57:31 Method: F:\Methods\d54062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	338995.95	45713.83	----------	----------	1
2	0.3000	213188.10	29258.51	----------	----------	1
3	0.2000	137062.38	18684.09	----------	----------	1
4	0.1000	77490.13	10582.00	----------	----------	1
5	0.0500	37977.86	5070.29	----------	----------	1

Average Calibration Factor = 721677.874960 (%RSD = 6.05)

AR1254-4
Component Type : Single Peak Component
Retention Time : 15.003 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	198268.73	33318.92	----------	----------	1
2	0.3000	126518.84	20614.30	----------	----------	1
3	0.2000	80653.56	13050.95	----------	----------	1
4	0.1000	42969.56	7281.48	----------	----------	1
5	0.0500	24707.91	3873.84	----------	----------	1

Average Calibration Factor = 429077.706246 (%RSD = 9.04)

AR1254-5
Component Type : Single Peak Component
Retention Time : 16.979 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	98300.75	18072.41	----------	----------	1
2	0.3000	59345.09	10867.23	----------	----------	1
3	0.2000	36671.77	6663.03	----------	----------	1
4	0.1000	20334.94	3643.25	----------	----------	1
5	0.0500	10314.30	1760.77	----------	----------	1

Average Calibration Factor = 197482.544595 (%RSD = 4.47)

Calibration Replicate Lists
Component : AR1254-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
152382.54	23219.26	0.5000	-------	--------	7/2/07	12:57:19	G:\TcData\90jun07\D062927.rst

Level : 2

Turbochrom Method File F:\Methods\dSURR062907.mth
Printed by : manager on: 7/3/07 09:31:07
Created by : manager on: 7/2/07 10:19:30
Edited by : manager on: 7/3/07 09:31:03
Number of Times Edited : 2
Number of Times Calibrated : 49
Description: surr - CHANNEL D

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.308 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.0800	652573.57	151038.65	----------	----------	1
2	0.0400	318101.61	74981.43	----------	----------	1
3	0.0200	148188.79	34676.59	----------	----------	1
4	0.0100	72043.42	16486.86	----------	----------	1
5	0.0050	36277.79	8088.15	----------	----------	1
6	0.0024	16961.77	3708.32	----------	----------	1

Average Calibration Factor = 7.507742e+06 (%RSD = 5.89)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 21.957 min
Search Window : 3.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.0800	1014501.98	139441.63	----------	----------	1
2	0.0400	525665.47	71633.03	----------	----------	1
3	0.0200	267274.07	36217.33	----------	----------	1
4	0.0100	136034.49	18574.97	----------	----------	1
5	0.0050	70063.54	9799.90	----------	----------	1
6	0.0024	33308.45	4758.01	----------	----------	1

Average Calibration Factor = 1.344688e+07 (%RSD = 3.67)

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
652573.57	151038.65	0.0800	----------	----------	7/3/07	09:30:57	G:\TcData\90jun07\D062942.rst

Level : 2

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8082	**AAB #:**	11851
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90 20C	**Date of Initial Calibration:**	29-Jun-07
Initial Calibration ID:	1113	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

#1113

Turbochrom Method File F:\Methods\c60062907.mth
Printed by : manager on: 7/2/07 11:09:30
Created by : manager on: 7/2/07 10:14:29
Edited by : manager on: 7/2/07 11:09:27
Number of Times Edited : 5
Number of Times Calibrated : 52
Description: AR1016/AR1260 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1016-1
Component Type : Single Peak Component
Retention Time : 6.329 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	7132.64	1533.63	----------	----------	1
4	0.1000	13590.19	2939.19	----------	----------	1
3	0.2000	28440.53	5629.03	----------	----------	1
2	0.3000	42266.47	8364.10	----------	----------	1
1	0.5000	66207.77	13292.49	----------	----------	1

Average Calibration Factor = 138812.240586 (%RSD = 3.22)

AR1016-2
Component Type : Single Peak Component
Retention Time : 7.514 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	17179.31	3307.42	----------	----------	1
4	0.1000	31072.71	6071.87	----------	----------	1
3	0.2000	58866.64	11093.31	----------	----------	1
2	0.3000	83806.75	15901.99	----------	----------	1
1	0.5000	128729.09	24244.97	----------	----------	1

Calibration Curve : y = (6923.964583) + (247856.241766)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.997275

AR1016-3
Component Type : Single Peak Component
Retention Time : 8.573 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit

7/2/07 11:09:30 Method: F:\Methods\c60062907.mth

Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	31721.76	4383.52	----------	----------	1
4	0.1000	58041.86	8182.25	----------	----------	1
3	0.2000	107247.46	15035.20	----------	----------	1
2	0.3000	153661.88	21710.09	----------	----------	1
1	0.5000	238253.95	33713.40	----------	----------	1

Calibration Curve : y = (12466.735735) + (457907.155895)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998208

AR1016-4
Component Type : Single Peak Component
Retention Time : 9.052 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	12497.51	1972.71	----------	----------	1
4	0.1000	23478.16	3704.04	----------	----------	1
3	0.2000	44289.31	7034.26	----------	----------	1
2	0.3000	64446.65	10196.43	----------	----------	1
1	0.5000	100570.05	15992.84	----------	----------	1

Average Calibration Factor = 224428.113017 (%RSD = 8.34)

AR1016-5
Component Type : Single Peak Component
Retention Time : 10.476 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	11491.39	1941.40	----------	----------	1
4	0.1000	22035.46	3657.84	----------	----------	1
3	0.2000	40668.61	6722.82	----------	----------	1
2	0.3000	59276.78	9774.64	----------	----------	1
1	0.5000	92832.88	15185.30	----------	----------	1

Average Calibration Factor = 207356.105066 (%RSD = 8.55)

AR1260-1
Component Type : Single Peak Component
Retention Time : 13.929 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit

7/2/07 11:09:30 Method: F:\Methods\c60062907.mth

Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	24408.55	4052.06	----------	----------	1
4	0.1000	44938.76	7315.63	----------	----------	1
3	0.2000	80109.11	13016.42	----------	----------	1
2	0.3000	115909.94	18876.08	----------	----------	1
1	0.5000	176469.81	28622.54	----------	----------	1

Calibration Curve : y = (10882.940662) + (336888.226637)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.997363

AR1260-2
Component Type : Single Peak Component
Retention Time : 14.194 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	25608.81	4647.72	----------	----------	1
4	0.1000	46795.80	8373.93	----------	----------	1
3	0.2000	83125.66	14745.27	----------	----------	1
2	0.3000	119779.27	21186.57	----------	----------	1
1	0.5000	181939.36	32170.57	----------	----------	1

Calibration Curve : y = (11809.824431) + (346260.678508)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.997240

AR1260-3
Component Type : Single Peak Component
Retention Time : 14.785 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	9293.81	1748.03	----------	----------	1
4	0.1000	17882.11	3324.92	----------	----------	1
3	0.2000	33086.35	6099.07	----------	----------	1
2	0.3000	49010.90	9153.07	----------	----------	1
1	0.5000	77016.36	14368.37	----------	----------	1

Average Calibration Factor = 169506.294364 (%RSD = 7.51)

7/2/07 11:09:30 Method: F:\Methods\c60062907.mth

AR1260-4
Component Type : Single Peak Component
Retention Time : 17.043 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	48098.30	8348.63	----------	----------	1
4	0.1000	87199.49	15068.33	----------	----------	1
3	0.2000	156111.25	26951.88	----------	----------	1
2	0.3000	226970.72	38533.30	----------	----------	1
1	0.5000	350515.74	59984.80	----------	----------	1

Calibration Curve : y = (19516.960776) + (670704.951621)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998459

AR1260-5
Component Type : Single Peak Component
Retention Time : 18.384 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	24974.42	4145.43	----------	----------	1
4	0.1000	46346.48	7635.98	----------	----------	1
3	0.2000	84004.42	13789.46	----------	----------	1
2	0.3000	122809.17	20090.13	----------	----------	1
1	0.5000	189896.61	31390.30	----------	----------	1

Calibration Curve : y = (9461.875548) + (365844.971096)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998321

Calibration Replicate Lists
Component : AR1016-1
Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7132.64	1533.63	0.0500	----------	----------	7/2/07	11:07:39	G:\TcData\90jun07\C062907.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13590.19	2939.19	0.1000	----------	----------	7/2/07	11:07:39	G:\TcData\90jun07\C062906.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
28440.53	5629.03	0.2000	----------	----------	7/2/07	11:07:39	G:\TcData\90jun07\C062905.rst

Level : 2

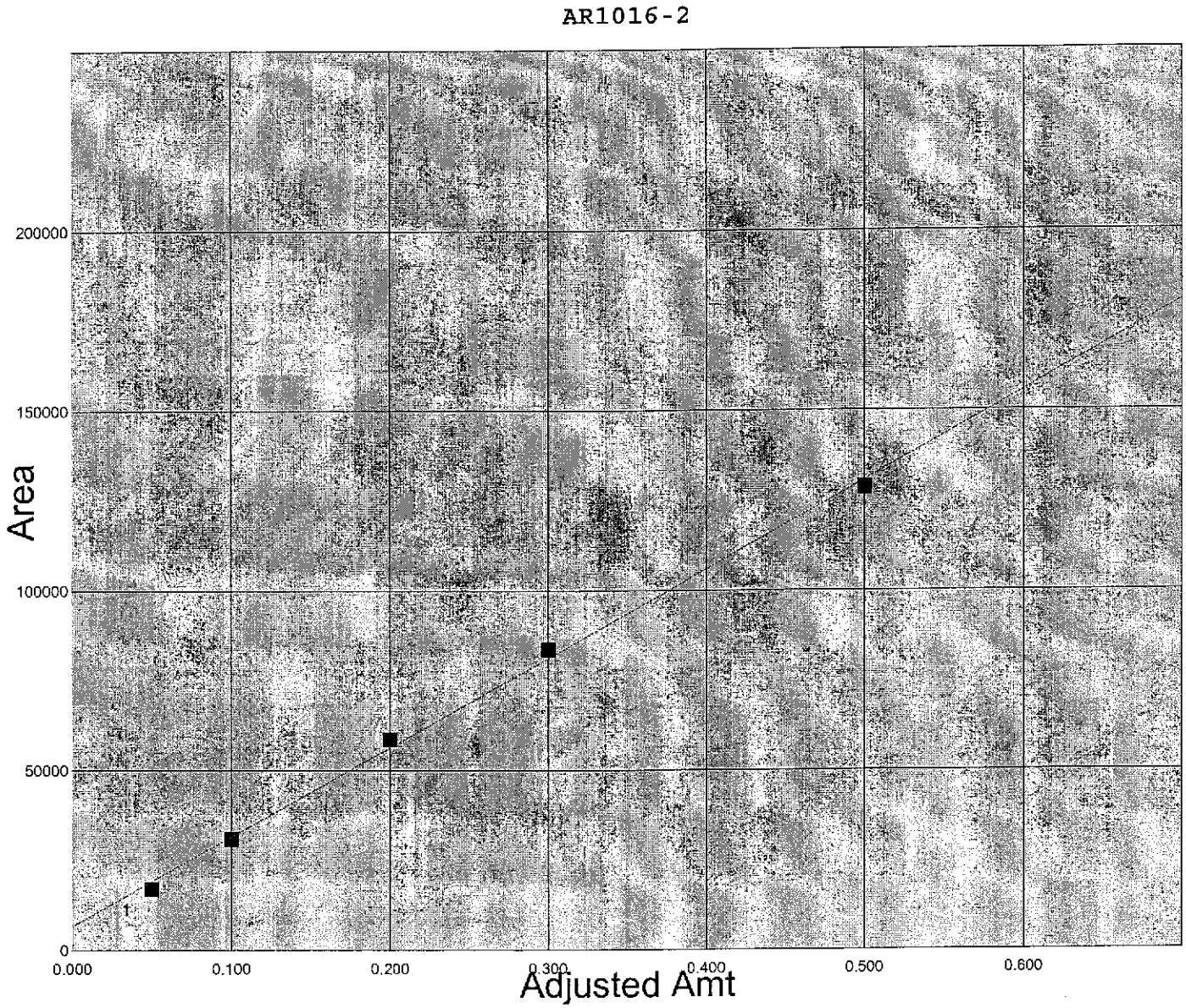
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1016-2
Date : 7/2/07 11:09:54

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997275
Calibration Curve : Y = (6923.964583) +(247856.241766) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.041376	0.008624	20.842	17179.313906	19316.777	-2137.463	-11.065
4	0.100000	0.097430	0.002570	2.637	31072.710516	31709.589	-636.878	-2.008
3	0.200000	0.209568	-0.009568	-4.565	58866.638020	56495.213	2371.425	4.198
2	0.300000	0.310191	-0.010191	-3.285	83806.747199	81280.837	2525.910	3.108
1	0.500000	0.491435	0.008565	1.743	128729.091307	130852.085	-2122.994	-1.622



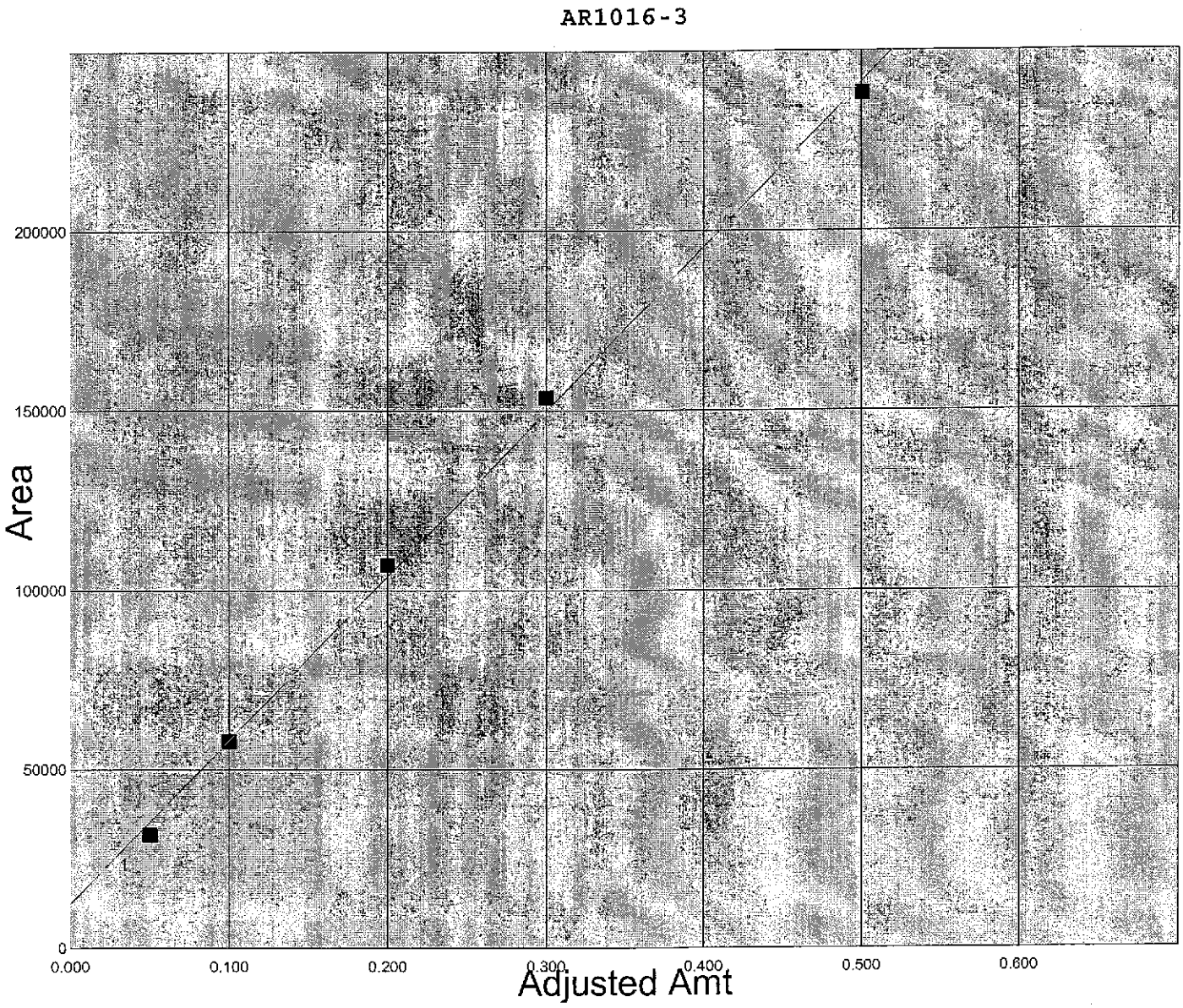
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1016-3
Date : 7/2/07 11:09:58

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998208
Calibration Curve : Y = (12466.735735) +(457907.155895) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.042050	0.007950	18.906	31721.760477	35362.094	-3640.333	-10.294
4	0.100000	0.099529	0.000471	0.473	58041.858270	58257.451	-215.593	-0.370
3	0.200000	0.206987	-0.006987	-3.375	107247.460586	104048.167	3199.294	3.075
2	0.300000	0.308349	-0.008349	-2.708	153661.877469	149838.883	3822.995	2.551
1	0.500000	0.493085	0.006915	1.402	238253.951149	241420.314	-3166.363	-1.312



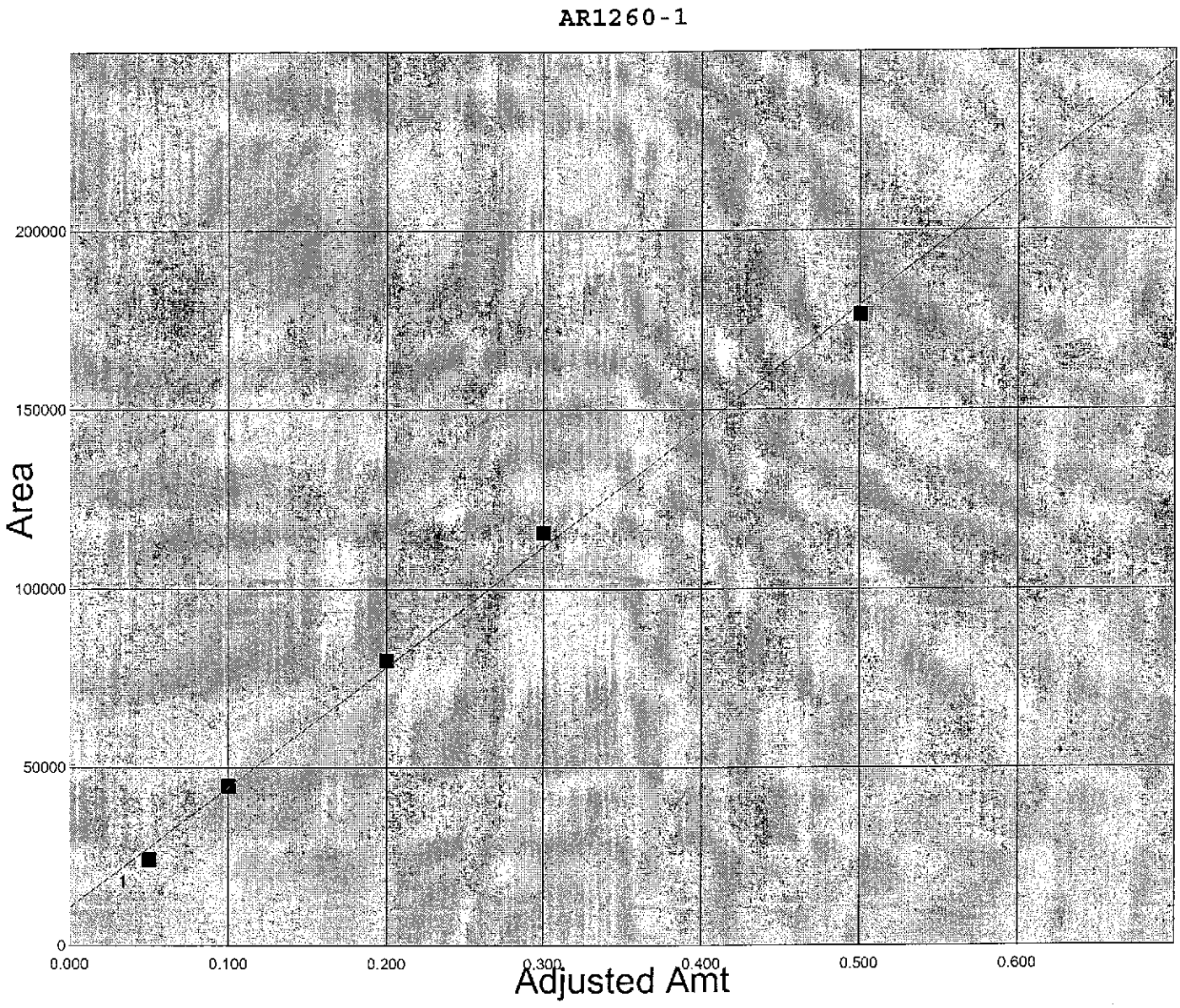
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1260-1
Date : 7/2/07 11:10:04

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997363
Calibration Curve : Y = (10882.940662) +(336888.226637) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.040149	0.009851	24.537	24408.551091	27727.352	-3318.801	-11.969
4	0.100000	0.101089	-0.001089	-1.078	44938.755978	44571.763	366.993	0.823
3	0.200000	0.205487	-0.005487	-2.670	80109.109290	78260.586	1848.523	2.362
2	0.300000	0.311756	-0.011756	-3.771	115909.940427	111949.409	3960.532	3.538
1	0.500000	0.491519	0.008481	1.726	176469.807155	179327.054	-2857.247	-1.593



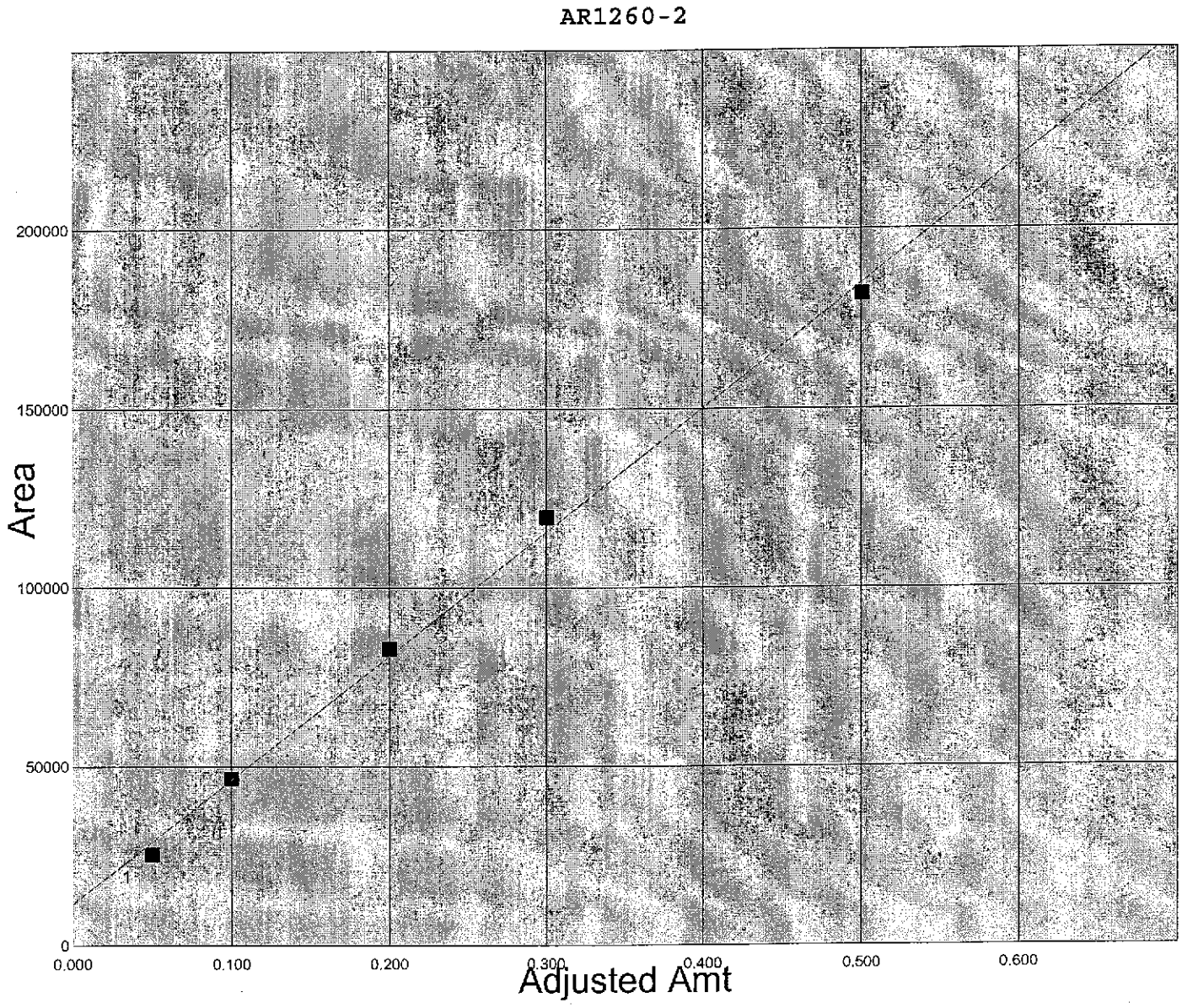
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1260-2
Date : 7/2/07 11:10:08

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997240
Calibration Curve : Y = (11809.824431) +(346260.678508) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.039851	0.010149	25.466	25608.809185	29122.858	-3514.049	-12.066
4	0.100000	0.101039	-0.001039	-1.029	46795.804993	46435.892	359.913	0.775
3	0.200000	0.205960	-0.005960	-2.894	83125.658296	81061.960	2063.698	2.546
2	0.300000	0.311815	-0.011815	-3.789	119779.265950	115688.028	4091.238	3.536
1	0.500000	0.491334	0.008666	1.764	181939.364014	184940.164	-3000.800	-1.623



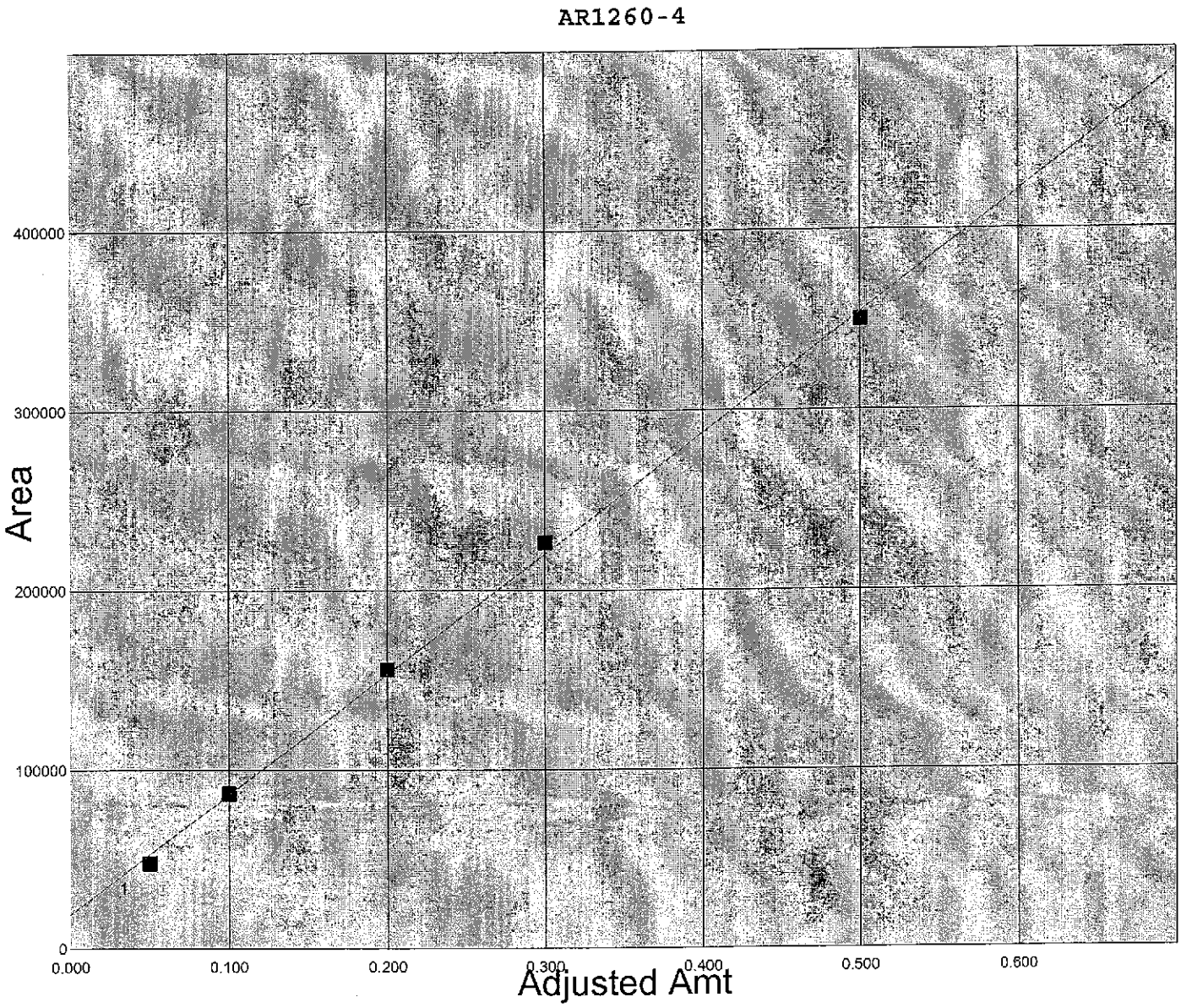
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1260-4
Date : 7/2/07 11:10:12

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998459
Calibration Curve : Y = (19516.960776) +(670704.951621) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.042614	0.007386	17.333	48098.303292	53052.208	-4953.905	-9.338
4	0.100000	0.100913	-9.125e-04	-0.904	87199.489502	86587.456	612.034	0.707
3	0.200000	0.203658	-0.003658	-1.796	156111.247532	153657.951	2453.296	1.597
2	0.300000	0.309307	-0.009307	-3.009	226970.720882	220728.446	6242.275	2.828
1	0.500000	0.493509	0.006491	1.315	350515.737035	354869.437	-4353.700	-1.227



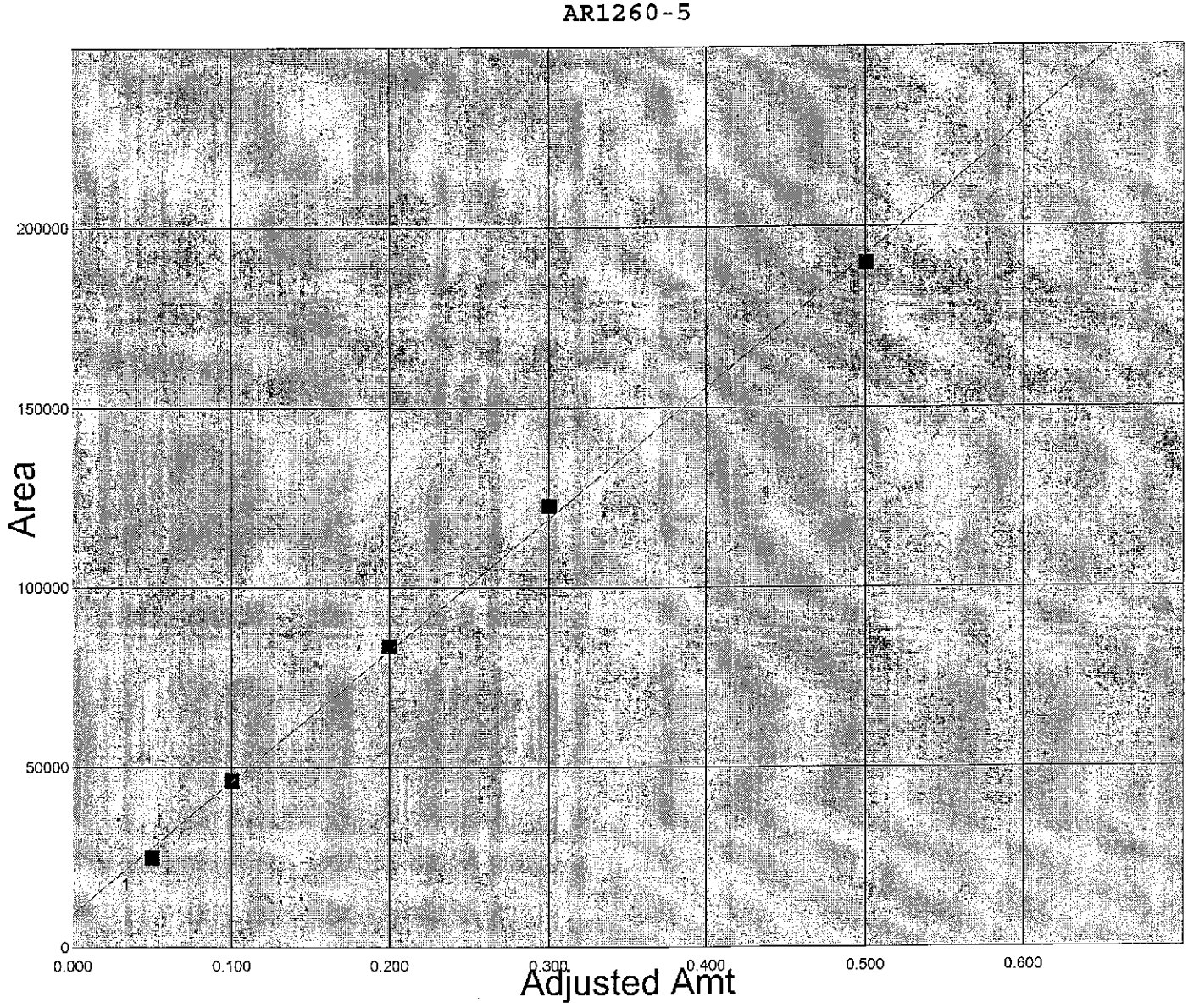
Fit Analysis Output For Method File: F:\METHODS\C60062907.MTH
Component Name : AR1260-5
Date : 7/2/07 11:10:17

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998321
Calibration Curve : Y = (9461.875548) +(365844.971096) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.042402	0.007598	17.919	24974.422429	27754.124	-2779.702	-10.015
4	0.100000	0.100820	-8.203e-04	-0.814	46346.476934	46046.373	300.104	0.652
3	0.200000	0.203754	-0.003754	-1.843	84004.417435	82630.870	1373.548	1.662
2	0.300000	0.309823	-0.009823	-3.171	122809.165593	119215.367	3593.799	3.015
1	0.500000	0.493200	0.006800	1.379	189896.612112	192384.361	-2487.749	-1.293



Turbochrom Method File F:\Methods\c21062907.mth
Printed by : manager on: 7/2/07 11:12:36
Created by : manager on: 7/2/07 10:14:47
Edited by : manager on: 7/2/07 11:12:32
Number of Times Edited : 3
Number of Times Calibrated : 40
Description: AR1221 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1221-1
Component Type : Single Peak Component
Retention Time : 3.932 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	28334.90	6475.56	----------	----------	1
2	0.3000	18497.84	4234.67	----------	----------	1
3	0.2000	12695.23	2840.36	----------	----------	1
4	0.1000	6365.31	1480.23	----------	----------	1
5	0.0500	3246.47	769.15	----------	----------	1

Average Calibration Factor = 62077.586446 (%RSD = 5.22)

AR1221-2
Component Type : Single Peak Component
Retention Time : 5.733 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	37850.81	7391.88	----------	----------	1
2	0.3000	24319.37	4796.65	----------	----------	1
3	0.2000	16020.40	3138.60	----------	----------	1
4	0.1000	8325.76	1645.48	----------	----------	1
5	0.0500	4296.79	846.44	----------	----------	1

Average Calibration Factor = 81212.331947 (%RSD = 4.69)

AR1221-3
Component Type : Single Peak Component
Retention Time : 6.150 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 11:12:36 Method: F:\Methods\c21062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	26677.55	5646.55	----------	----------	1
2	0.3000	17155.67	3633.82	----------	----------	1
3	0.2000	10574.61	2216.02	----------	----------	1
4	0.1000	6047.17	1256.93	----------	----------	1
5	0.0500	3175.18	653.18	----------	----------	1

Average Calibration Factor = 57477.795176 (%RSD = 7.95)

AR1221-4
Component Type : Single Peak Component
Retention Time : 6.328 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	81938.83	16257.44	----------	----------	1
2	0.3000	53912.51	10698.09	----------	----------	1
3	0.2000	35016.45	6836.51	----------	----------	1
4	0.1000	19085.35	3841.04	----------	----------	1
5	0.0500	10273.07	2037.71	----------	----------	1

Average Calibration Factor = 182996.636629 (%RSD = 8.66)

Calibration Replicate Lists
Component : AR1221-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
28334.90	6475.56	0.5000	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062908.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
18497.84	4234.67	0.3000	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062909.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12695.23	2840.36	0.2000	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062910.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
6365.31	1480.23	0.1000	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062911.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3246.47	769.15	0.0500	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062912.rst

Component : AR1221-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
37850.81	7391.88	0.5000	----------	----------	7/2/07	11:12:24	G:\TcData\90jun07\C062908.rst

Level : 2

Turbochrom Method File F:\Methods\c32062907.mth
Printed by : manager on: 7/2/07 11:20:37
Created by : manager on: 7/2/07 10:15:06
Edited by : manager on: 7/2/07 11:20:35
Number of Times Edited : 4
Number of Times Calibrated : 46
Description: AR1232 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1232-1
Component Type : Single Peak Component
Retention Time : 6.328 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	73211.24	14605.27	----------	----------	1
2	0.3000	49099.03	9683.52	----------	----------	1
3	0.2000	33767.39	6869.10	----------	----------	1
4	0.1000	17829.35	3497.18	----------	----------	1
5	0.0500	8925.49	1762.08	----------	----------	1

Average Calibration Factor = 167145.226079 (%RSD = 7.90)

AR1232-2
Component Type : Single Peak Component
Retention Time : 7.513 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	62747.65	11229.67	----------	----------	1
2	0.3000	41433.43	7445.65	----------	----------	1
3	0.2000	29534.14	5312.72	----------	----------	1
4	0.1000	14929.63	2741.82	----------	----------	1
5	0.0500	7527.94	1386.31	----------	----------	1

Average Calibration Factor = 142226.517654 (%RSD = 7.42)

AR1232-3
Component Type : Single Peak Component
Retention Time : 8.573 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 11:20:37 Method: F:\Methods\c32062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	103756.22	14516.05	----------	----------	1
2	0.3000	68197.72	9527.85	----------	----------	1
3	0.2000	48931.71	6760.42	----------	----------	1
4	0.1000	25214.93	3441.34	----------	----------	1
5	0.0500	9462.66	1590.04	----------	----------	1

Average Calibration Factor = 224179.859557 (%RSD = 11.61)

AR1232-4
Component Type : Single Peak Component
Retention Time : 10.475 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	42196.89	6800.30	----------	----------	1
2	0.3000	27434.82	4417.54	----------	----------	1
3	0.2000	19323.68	3134.16	----------	----------	1
4	0.1000	9682.75	1568.03	----------	----------	1
5	0.0500	5016.42	803.60	----------	----------	1

Average Calibration Factor = 93923.495658 (%RSD = 6.60)

AR1232-5
Component Type : Single Peak Component
Retention Time : 12.258 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	32934.53	5666.15	----------	----------	1
2	0.3000	20831.31	3628.28	----------	----------	1
3	0.2000	14113.72	2503.98	----------	----------	1
4	0.1000	7055.61	1257.02	----------	----------	1
5	0.0500	4089.40	688.82	----------	----------	1

Average Calibration Factor = 71643.882466 (%RSD = 8.36)

Calibration Replicate Lists
Component : AR1232-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
73211.24	14605.27	0.5000	---------	---------	7/2/07	11:16:55	G:\TcData\90jun07\C062913.rst

Level : 2

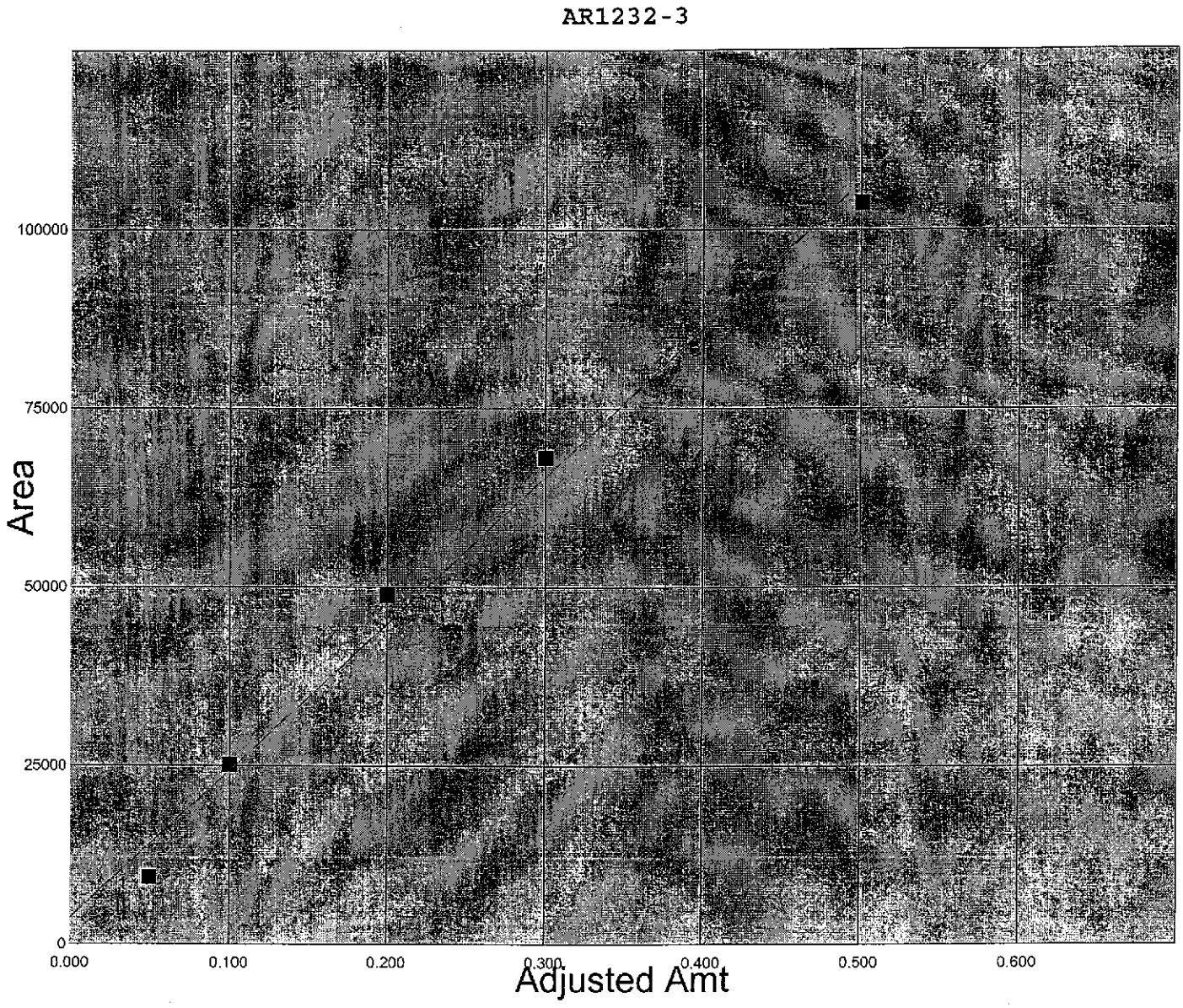
Fit Analysis Output For Method File: F:\METHODS\C32062907.MTH
Component Name : AR1232-3
Date : 7/2/07 11:20:49

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.990205
Calibration Curve : Y = (3785.029929) +(205772.260661) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.027592	0.022408	81.213	9462.663339	14073.643	-4610.980	-32.763
4	0.100000	0.104144	-0.004144	-3.979	25214.928072	24362.256	852.672	3.500
3	0.200000	0.219401	-0.019401	-8.843	48931.712670	44939.482	3992.231	8.884
2	0.300000	0.313029	-0.013029	-4.162	68197.722214	65516.708	2681.014	4.092
1	0.500000	0.485834	0.014166	2.916	103756.223111	106671.160	-2914.937	-2.733



Turbochrom Method File E:\Methods\c42062907.mth
Printed by : manager on: 07/03/07 16:07:52
Created by : manager on: 07/02/07 10:15:25
Edited by : manager on: 07/03/07 16:07:46
Number of Times Edited : 6
Number of Times Calibrated : 55
Description: AR1242 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1242-1
Component Type : Single Peak Component
Retention Time : 6.329 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	51584.43	10279.96	----------	----------	1
2	0.3000	32972.13	6502.79	----------	----------	1
3	0.2000	21368.54	4261.99	----------	----------	1
4	0.1000	10558.87	2284.36	----------	----------	1
5	0.0500	5549.13	1203.16	----------	----------	1

Average Calibration Factor = 107298.010197 (%RSD = 2.97)

AR1242-2
Component Type : Single Peak Component
Retention Time : 7.514 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	102457.89	19299.16	----------	----------	1
2	0.3000	66862.30	12687.02	----------	----------	1
3	0.2000	43848.18	8436.59	----------	----------	1
4	0.1000	25465.74	4877.20	----------	----------	1
5	0.0500	13378.42	2619.51	----------	----------	1

Average Calibration Factor = 233851.370809 (%RSD = 11.19)

AR1242-3
Component Type : Single Peak Component
Retention Time : 8.572 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

07/03/07 16:07:52 Method: E:\Methods\c42062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	189313.55	26523.01	----------	----------	1
2	0.3000	122349.72	17153.65	----------	----------	1
3	0.2000	77467.10	11297.83	----------	----------	1
4	0.1000	47146.88	6490.73	----------	----------	1
5	0.0500	25511.20	3491.13	----------	----------	1

Average Calibration Factor = 431097.539577 (%RSD = 13.28)

AR1242-4
Component Type : Single Peak Component
Retention Time : 11.252 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	64438.14	11526.38	----------	----------	1
2	0.3000	41052.90	7367.05	----------	----------	1
3	0.2000	27116.26	4885.96	----------	----------	1
4	0.1000	14785.64	2707.52	----------	----------	1
5	0.0500	7793.89	1426.01	----------	----------	1

Average Calibration Factor = 141006.951530 (%RSD = 7.62)

AR1242-5
Component Type : Single Peak Component
Retention Time : 13.406 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	37274.42	6580.22	----------	----------	1
2	0.3000	22171.95	4015.58	----------	----------	1
3	0.2000	15017.23	2689.33	----------	----------	1
4	0.1000	7530.66	1409.05	----------	----------	1
5	0.0500	4024.60	754.27	----------	----------	1

Average Calibration Factor = 75868.004248 (%RSD = 3.48)

Calibration Replicate Lists
Component : AR1242-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
51584.43	10279.96	0.5000	----------	----------	07/03/07	16:07:34	E:\90jun07\C062918.rst

Level : 2

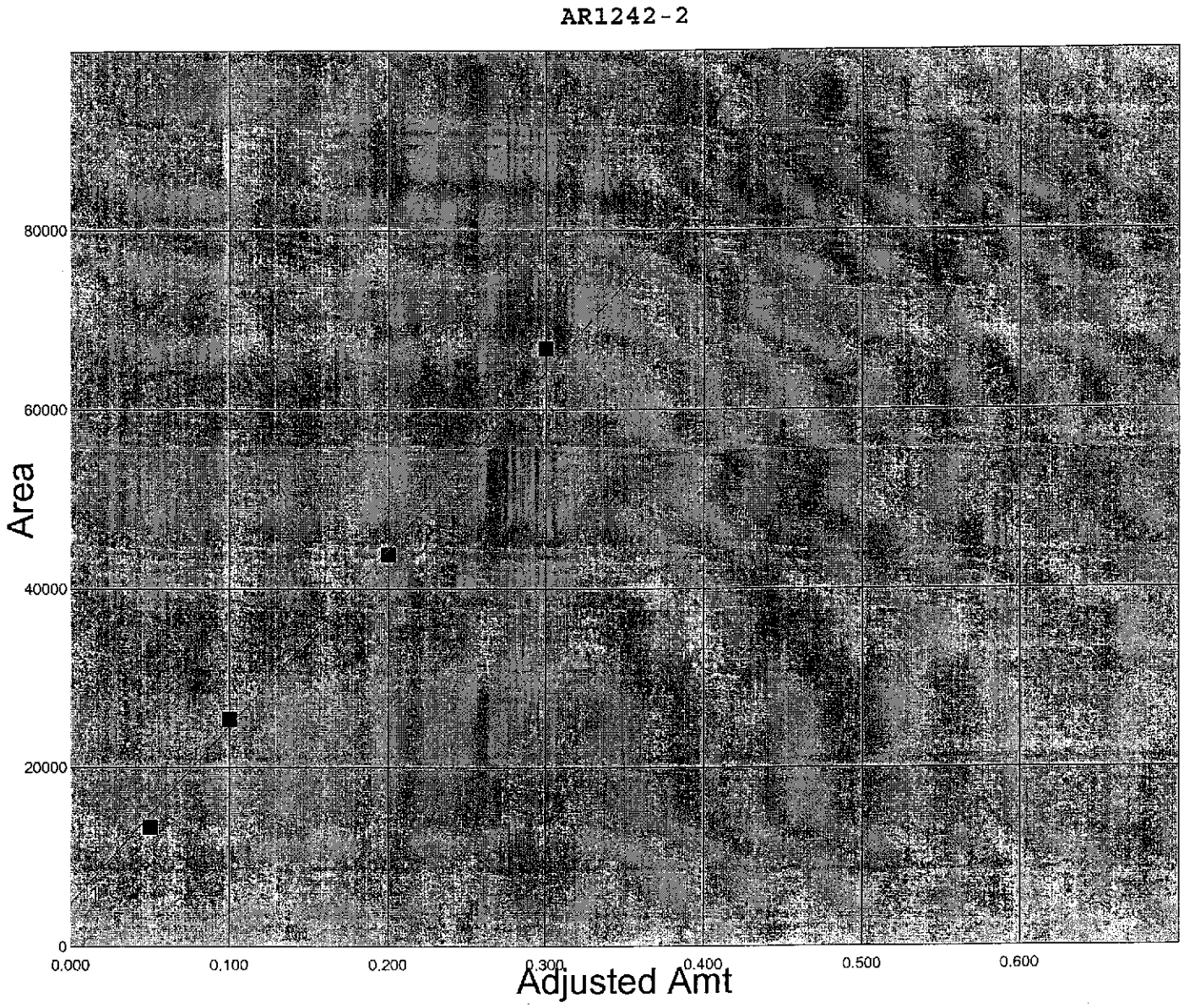
Fit Analysis Output For Method File: E:\METHODS\C42062907.MTH
Component Name : AR1242-2
Date : 07/03/07 16:08:37

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997675
Calibration Curve : Y = (4923.808468) +(197733.463959) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.042758	0.007242	16.938	13378.424076	14810.482	-1432.058	-9.669
4	0.100000	0.103887	-0.003887	-3.742	25465.739055	24697.155	768.584	3.112
3	0.200000	0.196853	0.003147	1.599	43848.175471	44470.501	-622.326	-1.399
2	0.300000	0.313242	-0.013242	-4.228	66862.297531	64243.848	2618.450	4.076
1	0.500000	0.493260	0.006740	1.366	102457.889758	103790.540	-1332.651	-1.284



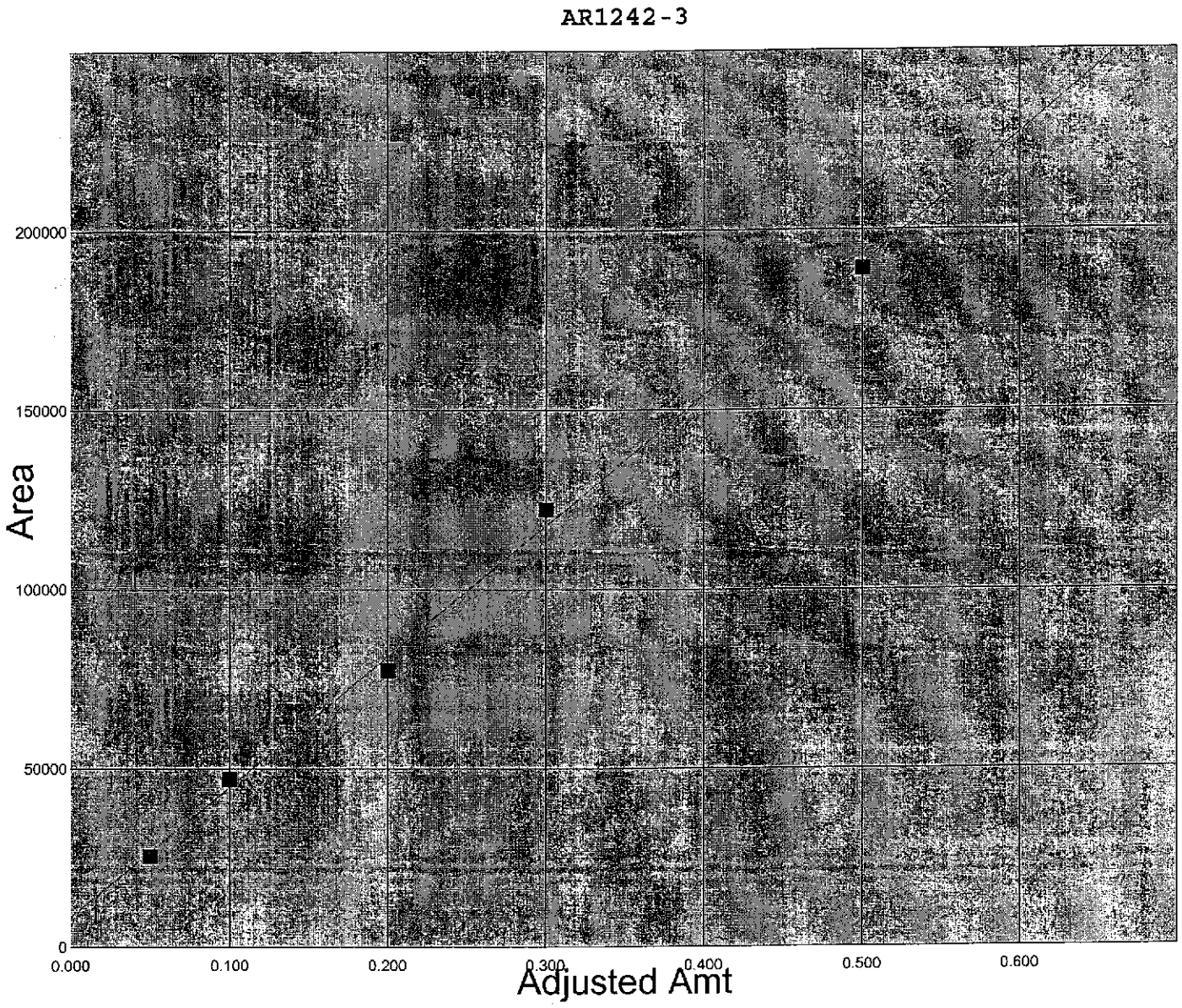
Fit Analysis Output For Method File: E:\METHODS\C42062907.MTH
Component Name : AR1242-3
Date : 07/03/07 16:08:43

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997413
Calibration Curve : Y = (8562.190817) +(364328.246367) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.046521	0.003479	7.478	25511.197451	26778.603	-1267.406	-4.733
4	0.100000	0.105906	-0.005906	-5.577	47146.877145	44995.015	2151.862	4.782
3	0.200000	0.189129	0.010871	5.748	77467.099442	81427.840	-3960.741	-4.864
2	0.300000	0.312321	-0.012321	-3.945	122349.715104	117860.665	4489.050	3.809
1	0.500000	0.496122	0.003878	0.782	189313.548263	190726.314	-1412.766	-0.741



Turbochrom Method File F:\Methods\c48062907.mth
Printed by : manager on: 7/2/07 11:26:24
Created by : manager on: 7/2/07 10:15:44
Edited by : manager on: 7/2/07 11:26:19
Number of Times Edited : 3
Number of Times Calibrated : 56
Description: AR1248 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1248-1
Component Type : Single Peak Component
Retention Time : 7.513 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	58313.26	11258.53	----------	----------	1
2	0.3000	38044.30	7343.32	----------	----------	1
3	0.2000	27031.97	4869.27	----------	----------	1
4	0.1000	13814.11	2684.07	----------	----------	1
5	0.0500	6987.67	1389.17	----------	----------	1

Average Calibration Factor = 131299.043051 (%RSD = 7.31)

AR1248-2
Component Type : Single Peak Component
Retention Time : 8.568 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	133045.84	18606.24	----------	----------	1
2	0.3000	87227.89	12167.64	----------	----------	1
3	0.2000	59312.06	7839.04	----------	----------	1
4	0.1000	33011.12	4432.73	----------	----------	1
5	0.0500	16138.04	2286.21	----------	----------	1

Average Calibration Factor = 301256.706659 (%RSD = 8.57)

AR1248-3
Component Type : Single Peak Component
Retention Time : 9.523 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

7/2/07 11:26:24 Method: F:\Methods\c48062907.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	114901.51	16717.78	----------	----------	1
2	0.3000	75204.35	11036.07	----------	----------	1
3	0.2000	48835.80	7176.81	----------	----------	1
4	0.1000	28327.41	4230.59	----------	----------	1
5	0.0500	14174.76	2184.63	----------	----------	1

Average Calibration Factor = 258286.497243 (%RSD = 9.34)

AR1248-4
Component Type : Single Peak Component
Retention Time : 11.427 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	130565.28	21533.41	----------	----------	1
2	0.3000	85038.08	14020.11	----------	----------	1
3	0.2000	55038.00	9017.43	----------	----------	1
4	0.1000	33151.25	5243.87	----------	----------	1
5	0.0500	20185.16	2969.74	----------	----------	1

Average Calibration Factor = 310999.292846 (%RSD = 18.71)

AR1248-5
Component Type : Single Peak Component
Retention Time : 13.404 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	70263.74	12892.44	----------	----------	1
2	0.3000	45593.29	8350.82	----------	----------	1
3	0.2000	28939.02	5296.47	----------	----------	1
4	0.1000	17040.20	3073.19	----------	----------	1
5	0.0500	10090.44	1706.92	----------	----------	1

Average Calibration Factor = 161882.220543 (%RSD = 15.49)

Calibration Replicate Lists
Component : AR1248-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
58313.26	11258.53	0.5000	----------	----------	7/2/07	11:25:48	G:\TcData\90jun07\C062923.rst

Level : 2

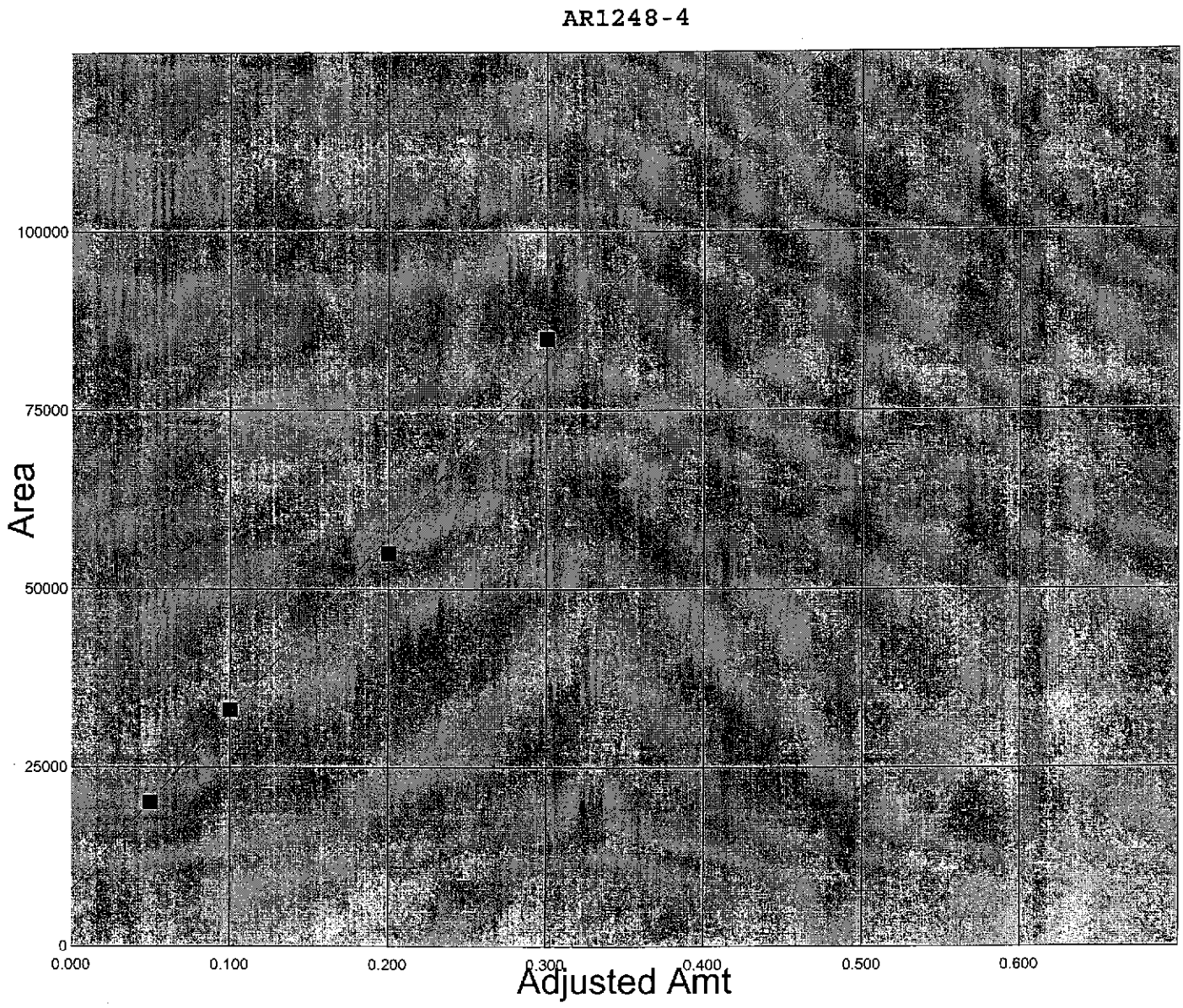
Fit Analysis Output For Method File: F:\METHODS\C48062907.MTH
Component Name : AR1248-4
Date : 7/2/07 11:26:39

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998042
Calibration Curve : Y = (7994.248828) +(246962.188493) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.049363	0.000637	1.289	20185.159529	20342.358	-157.199	-0.773
4	0.100000	0.101866	-0.001866	-1.832	33151.246730	32690.468	460.779	1.410
3	0.200000	0.190490	0.009510	4.993	55037.998146	57386.687	-2348.688	-4.093
2	0.300000	0.311966	-0.011966	-3.836	85038.076967	82082.905	2955.172	3.600
1	0.500000	0.496315	0.003685	0.742	130565.279533	131475.343	-910.064	-0.692



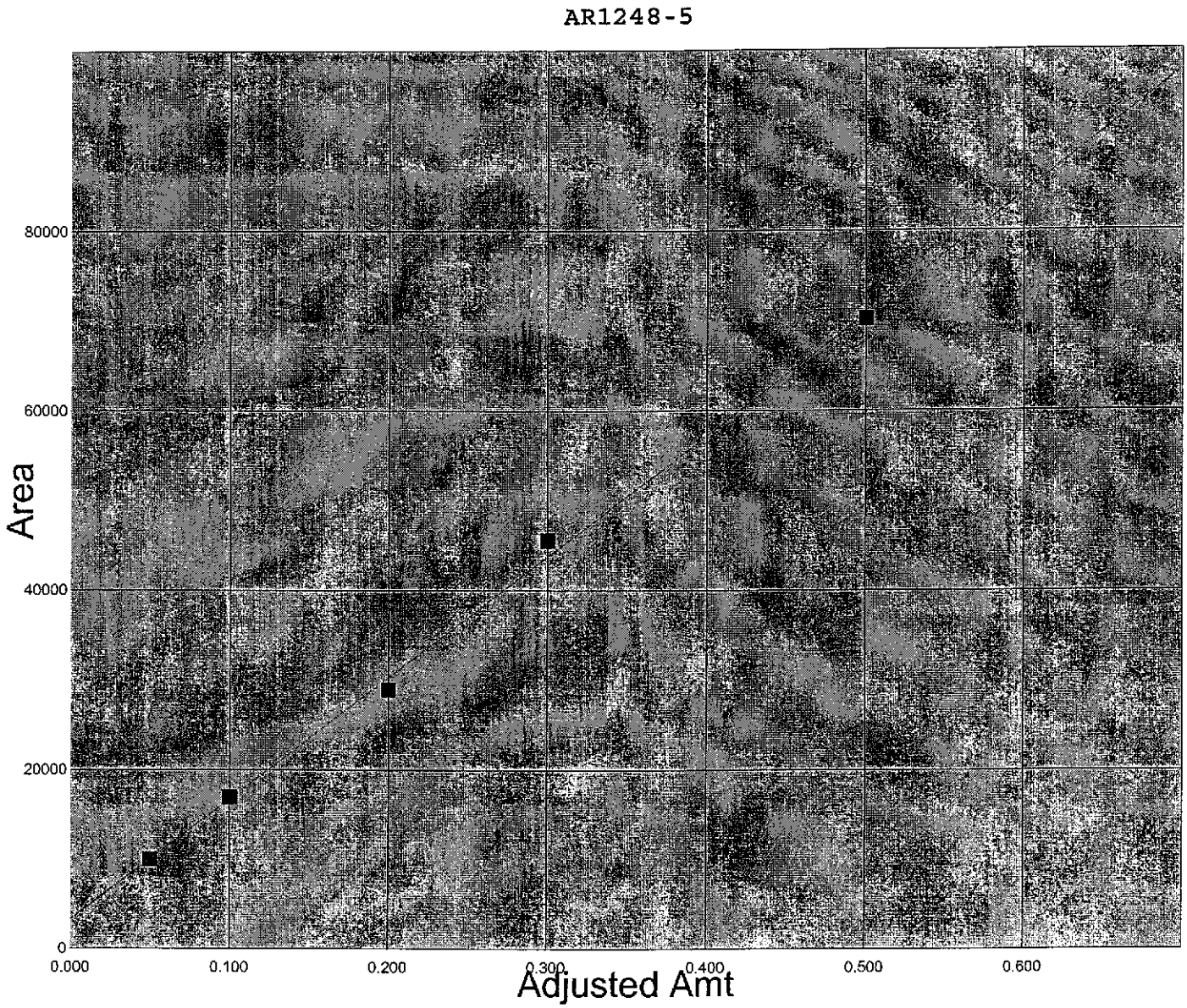
Fit Analysis Output For Method File: F:\METHODS\C48062907.MTH
Component Name : AR1248-5
Date : 7/2/07 11:26:43

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997683
Calibration Curve : Y = (3365.772904) +(134867.675685) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.049861	0.000139	0.278	10090.443971	10109.157	-18.713	-0.185
4	0.100000	0.101391	-0.001391	-1.372	17040.201791	16852.540	187.661	1.114
3	0.200000	0.189617	0.010383	5.476	28939.022260	30339.308	-1400.286	-4.615
2	0.300000	0.313103	-0.013103	-4.185	45593.285261	43826.076	1767.210	4.032
1	0.500000	0.496027	0.003973	0.801	70263.738277	70799.611	-535.872	-0.757



Turbochrom Method File F:\Methods\c54062907.mth
Printed by : manager on: 7/2/07 11:53:05
Created by : manager on: 7/2/07 10:16:01
Edited by : manager on: 7/2/07 11:53:01
Number of Times Edited : 8
Number of Times Calibrated : 44
Description: AR1254/60 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1254-1
Component Type : Single Peak Component
Retention Time : 11.671 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	125645.70	23169.67	----------	----------	1
2	0.3000	84450.89	15540.23	----------	----------	1
3	0.2000	56520.73	10446.83	----------	----------	1
4	0.1000	33940.73	6276.02	----------	----------	1
5	0.0500	16270.60	3067.59	----------	----------	1

Calibration Curve : y = (8023.278714) + (240619.356500)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.994216

AR1254-2
Component Type : Single Peak Component
Retention Time : 11.869 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	149377.71	24886.83	----------	----------	1
2	0.3000	101337.41	16863.77	----------	----------	1
3	0.2000	67959.85	11337.51	----------	----------	1
4	0.1000	41090.15	6892.81	----------	----------	1
5	0.0500	19899.75	3399.90	----------	----------	1

Calibration Curve : y = (10413.284588) + (284868.209220)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.993340

7/2/07 11:53:05 Method: F:\Methods\c54062907.mth

AR1254-3
Component Type : Single Peak Component
Retention Time : 13.403 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	204756.77	35929.59	----------	----------	1
2	0.3000	137805.90	24380.66	----------	----------	1
3	0.2000	91492.97	16141.22	----------	----------	1
4	0.1000	54136.11	9577.85	----------	----------	1
5	0.0500	26992.05	4776.93	----------	----------	1

Calibration Curve : y = (12672.477696) + (392888.187060)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.994716

AR1254-4
Component Type : Single Peak Component
Retention Time : 13.762 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	136437.49	23148.71	----------	----------	1
2	0.3000	92142.19	15738.74	----------	----------	1
3	0.2000	60919.06	10367.30	----------	----------	1
4	0.1000	36908.32	6254.97	----------	----------	1
5	0.0500	17855.48	3028.24	----------	----------	1

Calibration Curve : y = (8749.849983) + (261315.907217)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.993905

AR1254-5
Component Type : Single Peak Component
Retention Time : 15.470 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

7/2/07 11:53:05 Method: F:\Methods\c54062907.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	190329.20	28107.29	----------	----------	1
2	0.3000	128025.84	19078.06	----------	----------	1
3	0.2000	84057.38	12739.29	----------	----------	1
4	0.1000	49372.01	7528.79	----------	----------	1
5	0.0500	24222.92	3740.95	----------	----------	1

Calibration Curve : y = (10657.630255) + (367581.911689)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.994577

Calibration Replicate Lists

Component : AR1254-1

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
125645.70	23169.67	0.5000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062928.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
84450.89	15540.23	0.3000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062929.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
56520.73	10446.83	0.2000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062930.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
33940.73	6276.02	0.1000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062931.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
16270.60	3067.59	0.0500	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062932.rst

Component : AR1254-2

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
149377.71	24886.83	0.5000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062928.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
101337.41	16863.77	0.3000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062929.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
67959.85	11337.51	0.2000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062930.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
41090.15	6892.81	0.1000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062931.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
19899.75	3399.90	0.0500	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062932.rst

Component : AR1254-3

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
204756.77	35929.59	0.5000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062928.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
137805.90	24380.66	0.3000	----------	----------	7/2/07	11:52:51	G:\TcData\90jun07\C062929.rst

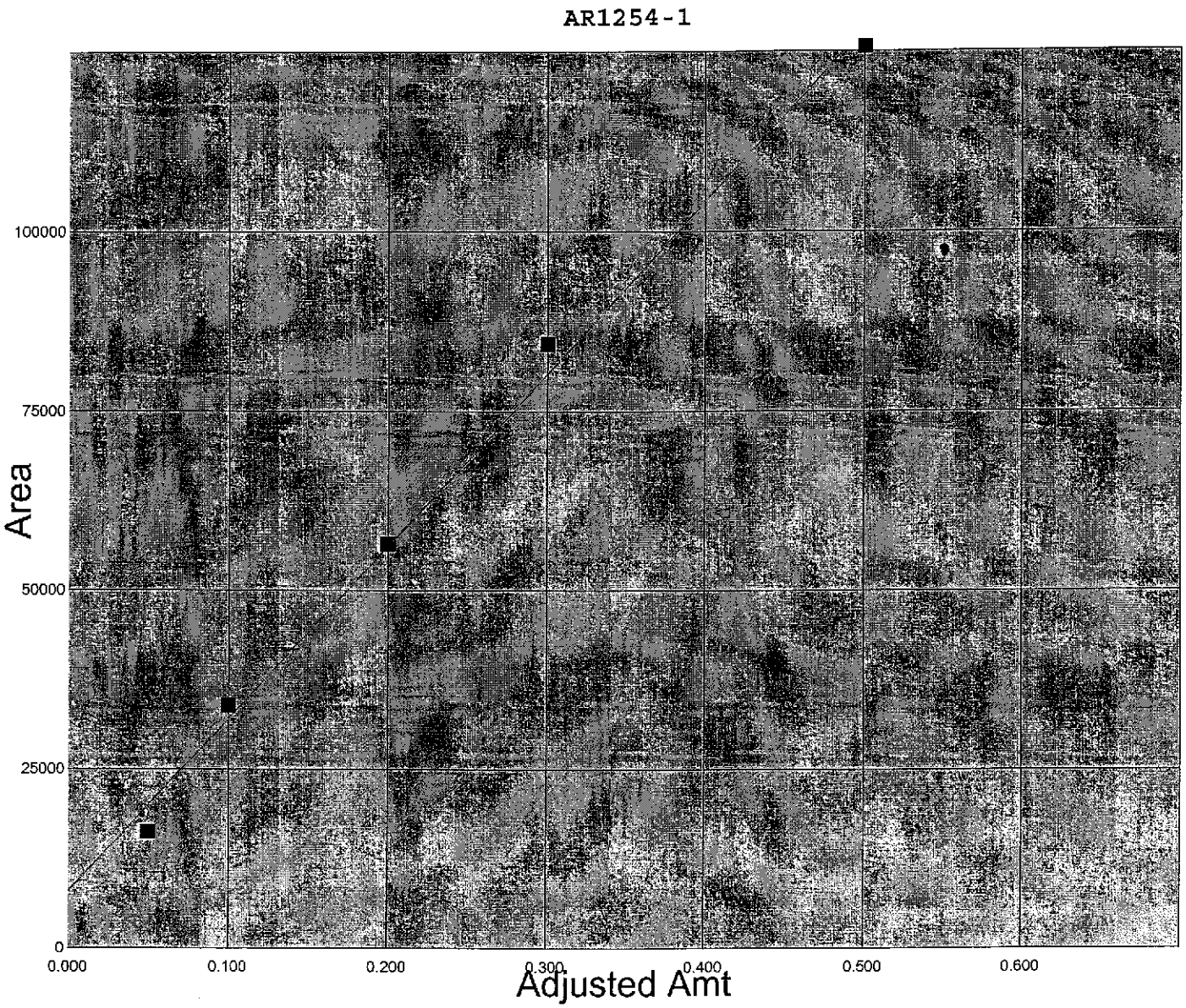
Fit Analysis Output For Method File: F:\METHODS\C54062907.MTH
Component Name : AR1254-1
Date : 7/2/07 11:53:17

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.994216
Calibration Curve : Y = (8023.278714) +(240619.356500) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.034275	0.015725	45.877	16270.595950	20054.247	-3783.651	-18.867
4	0.100000	0.107711	-0.007711	-7.159	33940.733629	32085.214	1855.519	5.783
3	0.200000	0.201553	-0.001553	-0.770	56520.733744	56147.150	373.584	0.665
2	0.300000	0.317629	-0.017629	-5.550	84450.885362	80209.086	4241.800	5.288
1	0.500000	0.488832	0.011168	2.285	125645.704858	128332.957	-2687.252	-2.094



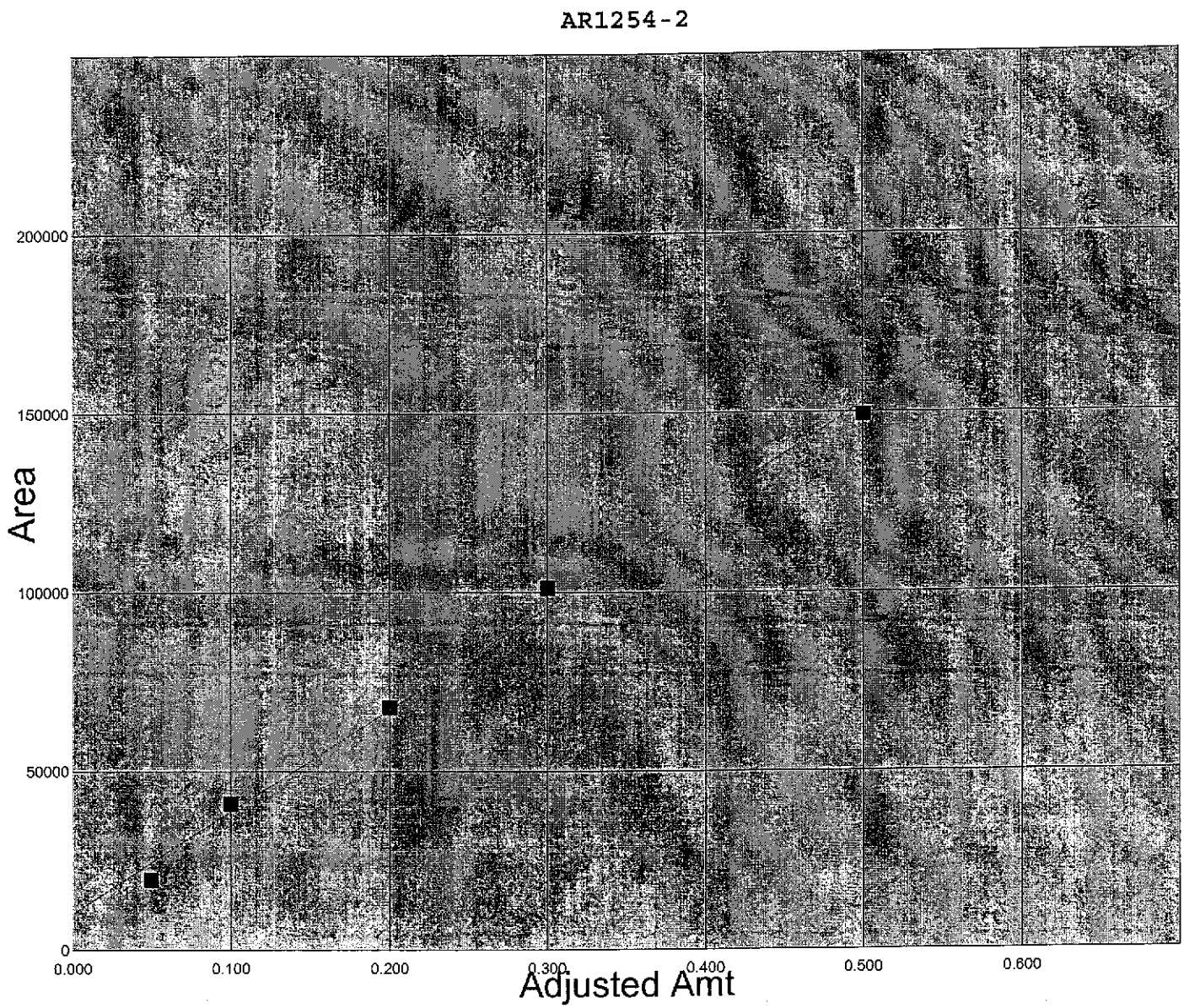
Fit Analysis Output For Method File: F:\METHODS\C54062907.MTH
Component Name : AR1254-2
Date : 7/2/07 11:53:21

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.993340
Calibration Curve : Y = (10413.284588) +(284868.209220) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.033301	0.016699	50.145	19899.750367	24656.695	-4756.945	-19.293
4	0.100000	0.107688	-0.007688	-7.139	41090.146256	38900.106	2190.041	5.630
3	0.200000	0.202011	-0.002011	-0.996	67959.850149	67386.926	572.924	0.850
2	0.300000	0.319180	-0.019180	-6.009	101337.405823	95873.747	5463.658	5.699
1	0.500000	0.487820	0.012180	2.497	149377.710950	152847.389	-3469.678	-2.270



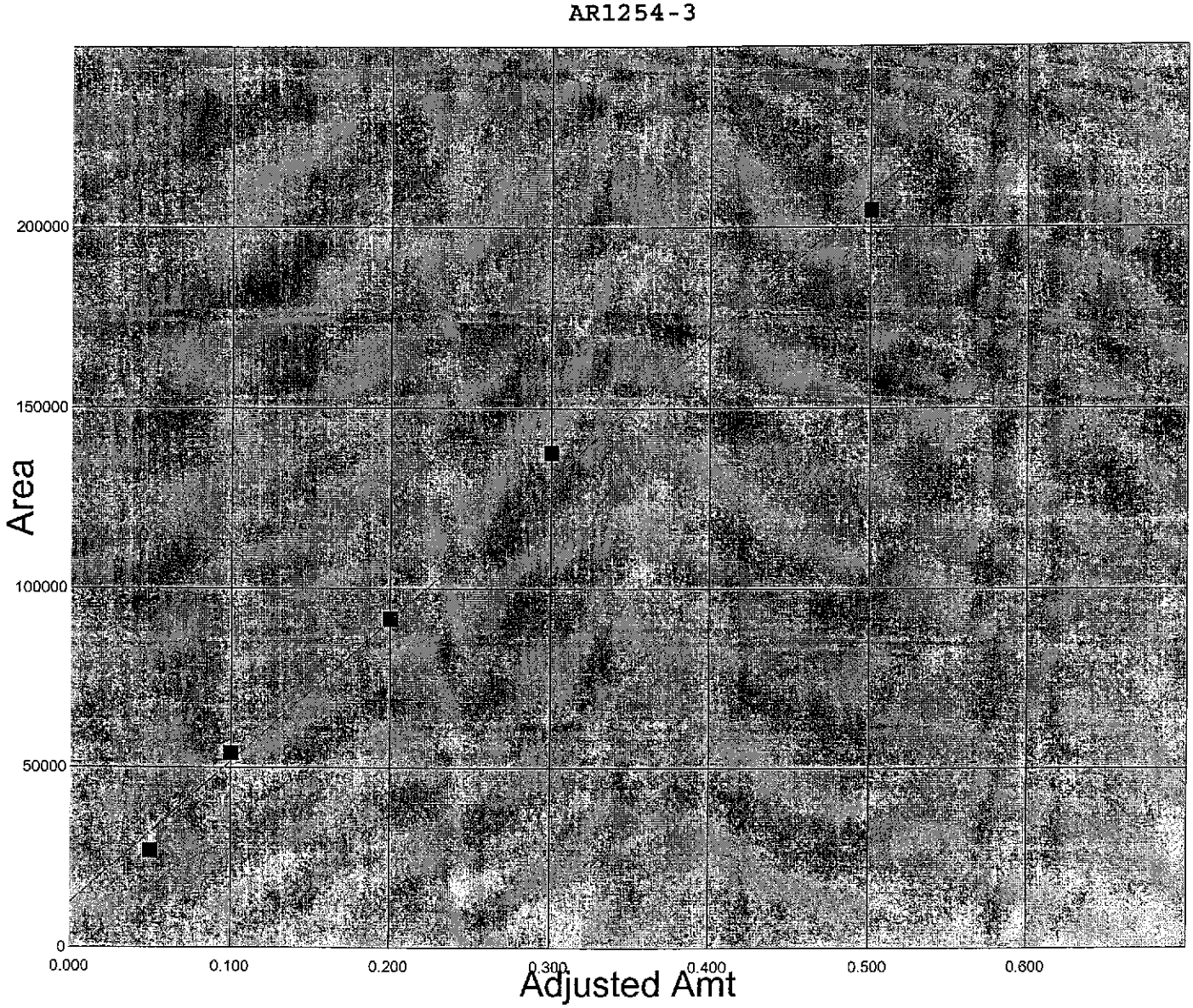
Fit Analysis Output For Method File: F:\METHODS\C54062907.MTH
Component Name : AR1254-3
Date : 7/2/07 11:53:25

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.994716
Calibration Curve : Y = (12672.477696) +(392888.187060) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.036447	0.013553	37.186	26992.050239	32316.887	-5324.837	-16.477
4	0.100000	0.105535	-0.005535	-5.245	54136.111376	51961.296	2174.815	4.185
3	0.200000	0.200618	-6.181e-04	-0.308	91492.973076	91250.115	242.858	0.266
2	0.300000	0.318496	-0.018496	-5.807	137805.899738	130538.934	7266.966	5.567
1	0.500000	0.488903	0.011097	2.270	204756.769172	209116.571	-4359.802	-2.085



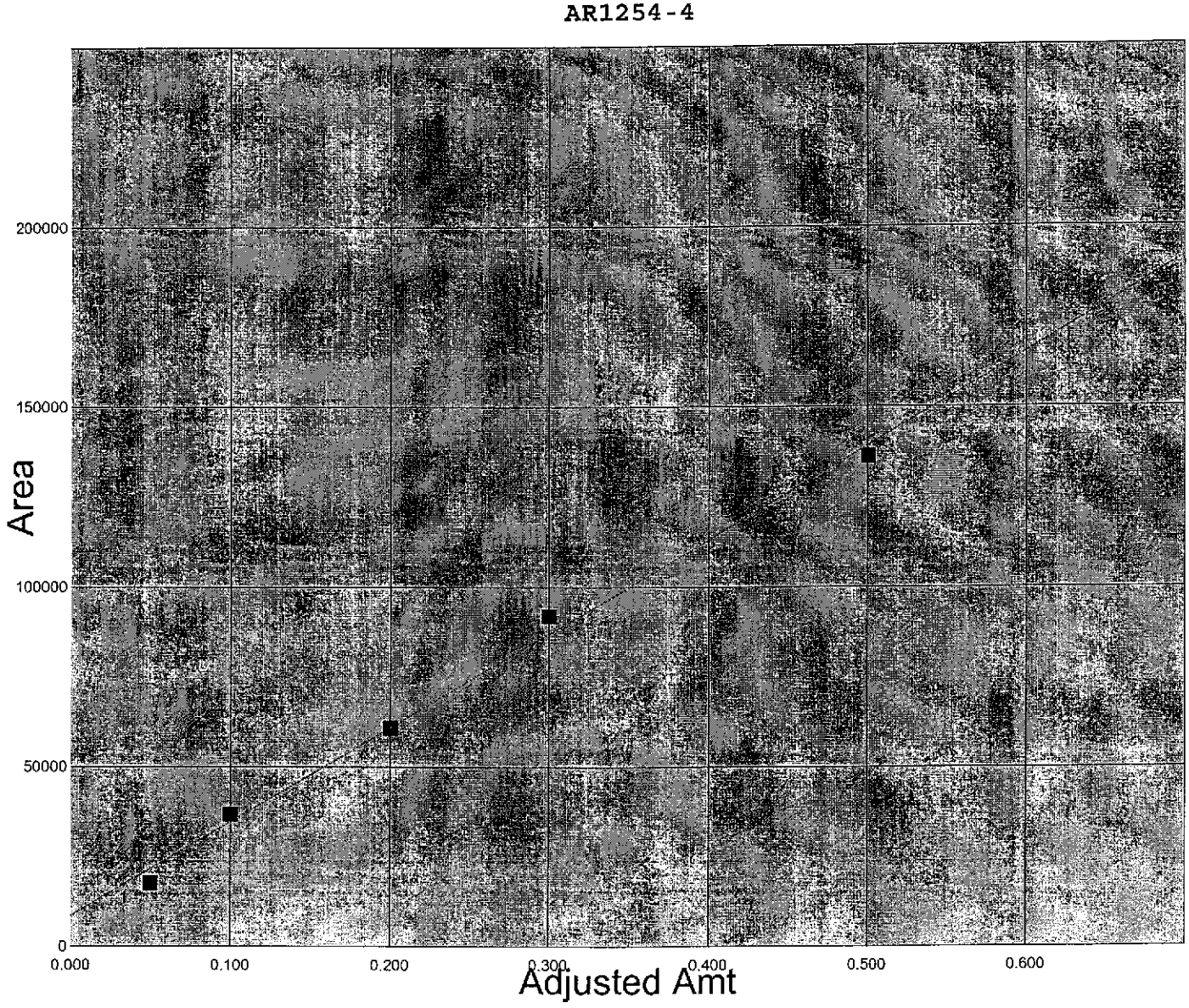
Fit Analysis Output For Method File: F:\METHODS\C54062907.MTH
Component Name : AR1254-4
Date : 7/2/07 11:53:28

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.993905
Calibration Curve : Y = (8749.849983) +(261315.907217) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.034845	0.015155	43.491	17855.482376	21815.645	-3960.163	-18.153
4	0.100000	0.107756	-0.007756	-7.198	36908.315707	34881.441	2026.875	5.811
3	0.200000	0.199640	0.000360	0.180	60919.064867	61013.031	-93.967	-0.154
2	0.300000	0.319125	-0.019125	-5.993	92142.188657	87144.622	4997.567	5.735
1	0.500000	0.488633	0.011367	2.326	136437.491605	139407.804	-2970.312	-2.131



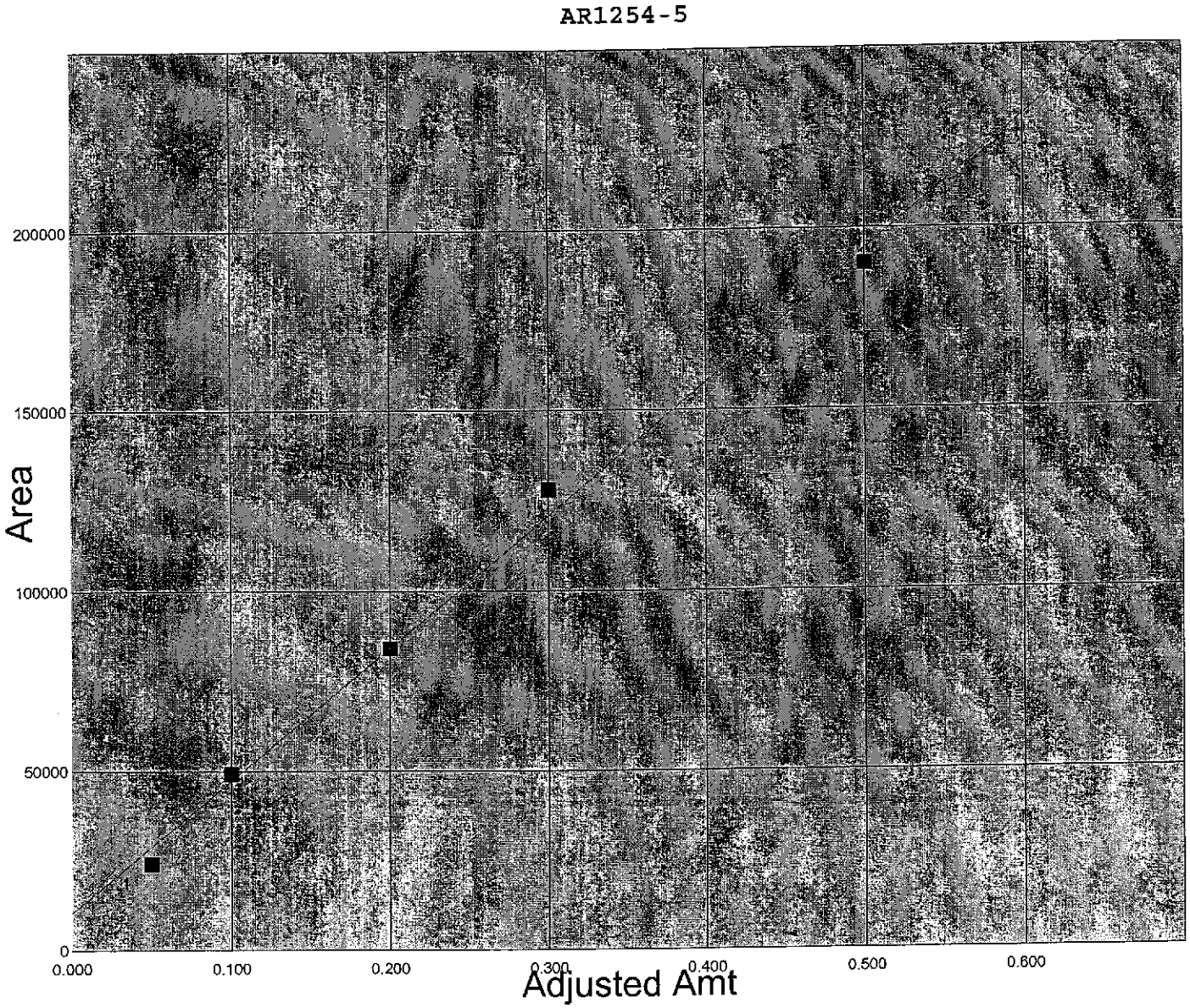
Fit Analysis Output For Method File: F:\METHODS\C54062907.MTH
Component Name : AR1254-5
Date : 7/2/07 11:53:32

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.994577
Calibration Curve : Y = (10657.630255) +(367581.911689) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
5	0.050000	0.036904	0.013096	35.486	24222.923088	29036.726	-4813.803	-16.578
4	0.100000	0.105322	-0.005322	-5.053	49372.006490	47415.821	1956.185	4.126
3	0.200000	0.199683	0.000317	0.159	84057.377878	84174.013	-116.635	-0.139
2	0.300000	0.319298	-0.019298	-6.044	128025.841897	120932.204	7093.638	5.866
1	0.500000	0.488793	0.011207	2.293	190329.200368	194448.586	-4119.386	-2.118



Turbochrom Method File F:\Methods\cSURR062907.mth
Printed by : manager on: 7/3/07 11:34:55
Created by : manager on: 7/2/07 10:16:53
Edited by : manager on: 7/3/07 11:34:52
Number of Times Edited : 4
Number of Times Calibrated : 43
Description: surr - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 4.566 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	14227.54	3336.24	----------	----------	1
5	0.0050	29324.21	6910.05	----------	----------	1
4	0.0100	56824.35	13646.24	----------	----------	1
3	0.0200	109134.23	26445.77	----------	----------	1
2	0.0400	212610.80	52162.83	----------	----------	1
1	0.0800	402055.87	99504.71	----------	----------	1

Average Calibration Factor = 5.545516e+06 (%RSD = 6.24)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 22.146 min
Search Window : 1.08 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	23065.45	2804.57	----------	----------	1
5	0.0050	47496.68	5668.02	----------	----------	1
4	0.0100	88228.87	10370.14	----------	----------	1
3	0.0200	162565.48	18849.24	----------	----------	1
2	0.0400	294229.43	33598.88	----------	----------	1
1	0.0800	523328.34	59900.70	----------	----------	1

Calibration Curve : y = (7247.248775) + (8040480.848338)x + (-19944406.692360)x^2 + (0.000000)x^3
R-squared : 0.999823

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

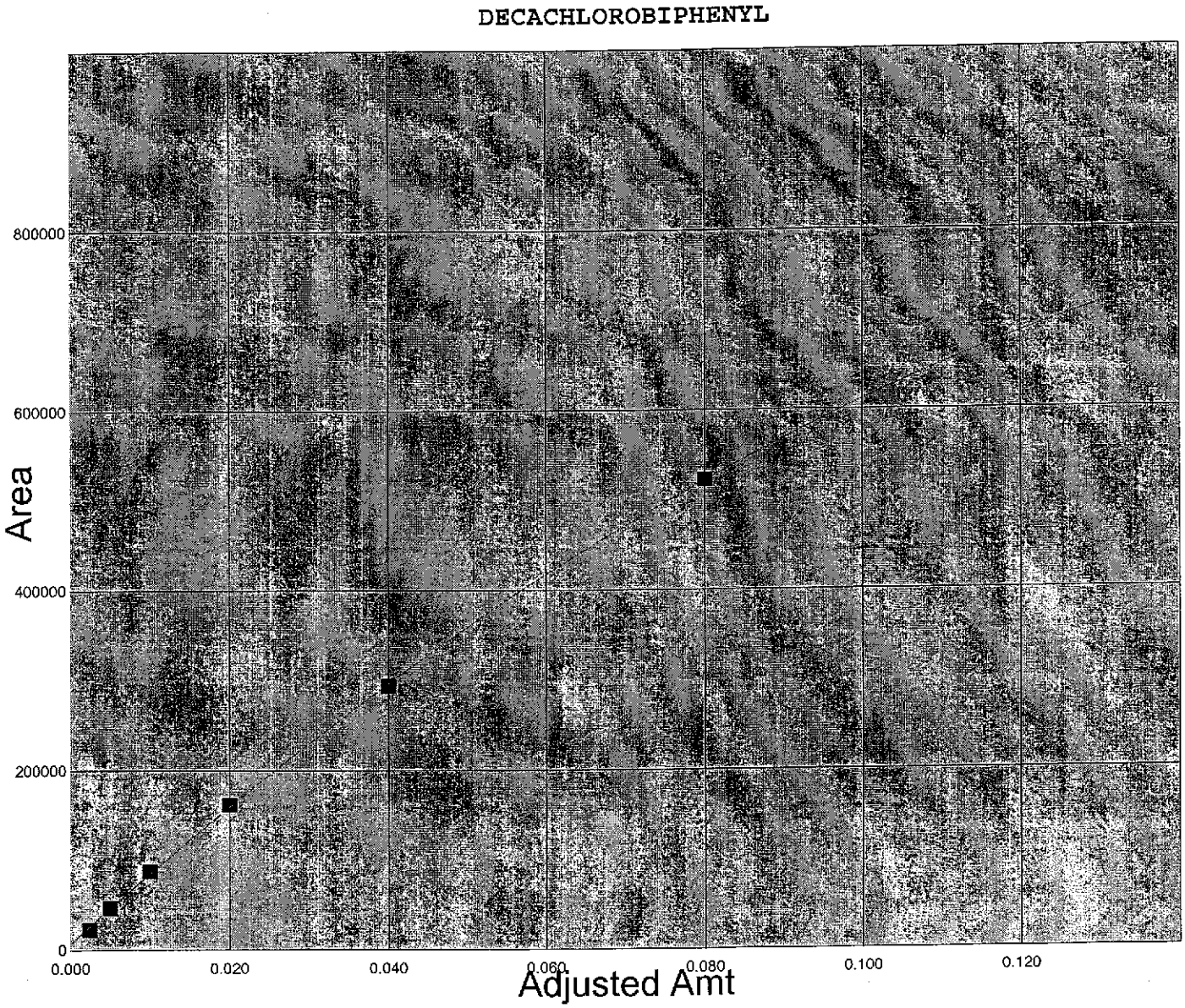
Fit Analysis Output For Method File: F:\METHODS\CSURR062907.MTH
Component Name : DECACHLOROBIPHENYL
Date : 7/3/07 11:35:12

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999823
Calibration Curve : Y = (7247.248775) +(8040480.848338) X +(-19944406.692360) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.001977	0.000423	21.395	23065.449129	26429.523	-3364.074	-12.728
5	0.005000	0.005070	-6.960e-05	-1.373	47496.676680	46951.043	545.634	1.162
4	0.010000	0.010337	-3.368e-04	-3.258	88228.865209	85657.617	2571.249	3.002
3	0.020000	0.020344	-3.436e-04	-1.689	162565.477525	160079.103	2486.374	1.553
2	0.040000	0.039578	0.000422	1.067	294229.425157	296955.432	-2726.007	-0.918
1	0.080000	0.080100	-1.004e-04	-0.125	523328.337643	522841.514	486.824	0.093



AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290721	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1221	200	191	4.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290721	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Aroclor 1221	200	191	4.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290732	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1232	200	211	-5.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290732	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1232	200	195	2.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290742	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Aroclor 1242	200	221	-10.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290742	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1242	200	193	3.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290748	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1248	200	194	2.9	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290748	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1248	200	184	8.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290754	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1254	200	198	1.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290754	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1254	200	187	6.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11851
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113
Second Source ID:	I06290760	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1016	200	187	6.5	
Aroclor 1260	200	196	2.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290760	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1016	200	192	4.1	
Aroclor 1260	200	193	3.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	11740
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90_20C	**Initial Calibration ID:**	1113

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-90 SEQUENCE: 90102907.SEQ COLUMN: DB-608

		Name: AR1660-3 File: C102903 Date: 10/29/07 Time 11:17		Name: AR1660-3 File: C102914 Date: 10/29/07 Time 16:56		Name: AR1660-3 File: C102926 Date: 10/29/07 Time 23:06		Name: AR1660-3 File: C102938 Date: 10/30/07 Time 05:15	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.199	1	0.190	5	0.181	10	0.185	7
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20	0.195	3	0.199	1	0.198	1	0.202	1
AR1268	0.20								
Hexachlorobenzene	0.10								

		Name: AR1660-3 File: C102945 Date: 10/30/07 Time 08:50		Name: File: Date: Time		Name: File: Date: Time		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.193	4						
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20	0.203	1						
AR1268	0.20								
Hexachlorobenzene	0.10								

not needed

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	11741
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-90 SEQUENCE: 90103007.SEQ COLUMN: DB-1701

		Name: AR1660-3 File: D103002 Date: 10/30/07 Time 16:51		Name: AR1660-3 File: D103014 Date: 10/30/07 Time 23:01		Name: AR1660-3 File: D103025 Date: 10/31/07 Time 04:40		Name: AR1660-3 File: D103034 Date: 10/31/07 Time 09:17	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.193	4	0.194	3	0.198	1	0.193	4
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20	0.190	5	0.191	4	0.195	3	0.191	5
AR1268	0.20								
Hexachlorobenzene	0.10								

		Name: File: Date: Time		Name: File: Date: Time		Name: File: Date: Time		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20								
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20								
AR1268	0.20								
Hexachlorobenzene	0.10								

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	11770
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-90 SEQUENCE: 90110507.SEQ COLUMN: DB-1701

		Name: AR1660-3		Name: AR1660-3		Name: AR1248-3		Name:	
		File: D110502		File: D110515		File: D110517		File:	
		Date: 11/05/07		Date: 11/05/07		Date: 11/05/07		Date:	
		Time 12:10		Time 18:52		Time 19:53		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.185	8	0.189	6				
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20					0.190	5		
AR1254	0.20								
AR1260	0.20	0.180	10	0.186	7				
AR1268	0.20								
Hexachlorobenzene	0.10								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20								
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20								
AR1268	0.20								
Hexachlorobenzene	0.10								

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8082	**AAB #:**	6440
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6440
Initial Calibration ID:	1112	**File ID:**	F:\90oct07\D103003.rst

Analyte	Method Blank	RL	Q
Aroclor 1016	0.00219	0.0170	U
Aroclor 1221	0.00222	0.0170	U
Aroclor 1232	0.00135	0.0170	U
Aroclor 1242	0.00183	0.0170	U
Aroclor 1248	0.00357	0.0170	U
Aroclor 1254	0.00474	0.0170	U
Aroclor 1260	0.00200	0.0170	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	134	58 - 125	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8082	**AAB #:**	6500
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	mg/Kg	**Method Blank ID:**	MB-6500
Initial Calibration ID:	1112	**File ID:**	E:\90nov07\D110503.rst

Analyte	Method Blank	RL	Q
Aroclor 1016	0.00219	0.0170	U
Aroclor 1221	0.00222	0.0170	U
Aroclor 1232	0.00135	0.0170	U
Aroclor 1242	0.00183	0.0170	U
Aroclor 1248	0.00357	0.0170	U
Aroclor 1254	0.00474	0.0170	U
Aroclor 1260	0.00200	0.0170	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	97	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6440 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\90oct07\D103004.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	0.2	0.304	152	40 - 130	*
Aroclor 1260	0.2	0.329	165	40 - 130	*

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	144	58 - 125	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6440 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** F:\90oct07\D103005.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	0.2	0.302	151	40 - 130	*
Aroclor 1260	0.2	0.320	160	40 - 130	*

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	144	58 - 125	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6500 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** E:\90nov07\D110504.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	0.2	0.226	113	40 - 130	
Aroclor 1260	0.2	0.236	118	40 - 130	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	107	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6500 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): mg/Kg **File ID:** E:\90nov07\D110505.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	0.2	0.221	110	40 - 130	
Aroclor 1260	0.2	0.229	115	40 - 130	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	104	58 - 125	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6440 **MS ID:** LCS-6440 **MSD ID:** LCSD-6440

Calibration ID: 1112

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Aroclor 1016		0.200	0.304	152	0.302	151	1	40 - 130	50	
Aroclor 1260		0.200	0.329	165	0.320	160	3	40 - 130	50	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/Kg **% Solids:** 0

Parent Field Sample ID: LCSD-6500 **MS ID:** LCS-6500 **MSD ID:** LCSD-6500

Calibration ID: 1112

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Aroclor 1016		0.200	0.226	113	0.221	110	2	40 - 130	50	
Aroclor 1260		0.200	0.236	118	0.229	115	3	40 - 130	50	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8082 **AAB #:** 6440

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSD0101BB	0710130-001B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.3	30-Oct-07	40	6.3	
TMCSD0801BB	0710130-008B	18-Oct-07	19-Oct-07	23-Oct-07	14	5.2	31-Oct-07	40	7.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8082 **AAB #:** 6500

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSD0201BB	0710130-002B	18-Oct-07	19-Oct-07	31-Oct-07	14	13.1	05-Nov-07	40	5	
TMCSD0301BB	0710130-003B	18-Oct-07	19-Oct-07	31-Oct-07	14	13.2	05-Nov-07	40	5	
TMCSD0401BB	0710130-004B	18-Oct-07	19-Oct-07	31-Oct-07	14	13.2	05-Nov-07	40	5	
TMCSD0501BB	0710130-005B	18-Oct-07	19-Oct-07	31-Oct-07	14	13.2	05-Nov-07	40	5	
TMCSD0601BB	0710130-006B	18-Oct-07	19-Oct-07	31-Oct-07	14	13.2	05-Nov-07	40	5	
TMCSD0701BB	0710130-007B	18-Oct-07	19-Oct-07	31-Oct-07	14	13	05-Nov-07	40	5.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	29-Jun-07	17:42	29-Jun-07	18:13
AR1660-1	AR1660-1	29-Jun-07	18:13	29-Jun-07	18:44
AR1660-2	AR1660-2	29-Jun-07	18:44	29-Jun-07	19:15
AR1660-3	AR1660-3	29-Jun-07	19:15	29-Jun-07	19:46
AR1660-4	AR1660-4	29-Jun-07	19:46	29-Jun-07	20:17
AR1660-5	AR1660-5	29-Jun-07	20:17	29-Jun-07	20:48
AR1221-1	AR1221-1	29-Jun-07	20:48	29-Jun-07	21:19
AR1221-2	AR1221-2	29-Jun-07	21:19	29-Jun-07	21:50
AR1221-3	AR1221-3	29-Jun-07	21:50	29-Jun-07	22:21
AR1221-4	AR1221-4	29-Jun-07	22:21	29-Jun-07	22:51
AR1221-5	AR1221-5	29-Jun-07	22:51	29-Jun-07	23:22
AR1232-1	AR1232-1	29-Jun-07	23:22	29-Jun-07	23:53
AR1232-2	AR1232-2	29-Jun-07	23:53	30-Jun-07	0:24
AR1232-3	AR1232-3	30-Jun-07	0:24	30-Jun-07	0:55
AR1232-4	AR1232-4	30-Jun-07	0:55	30-Jun-07	1:26
AR1232-5	AR1232-5	30-Jun-07	1:26	30-Jun-07	1:56
AR1242-1	AR1242-1	30-Jun-07	1:56	30-Jun-07	2:27
AR1242-2	AR1242-2	30-Jun-07	2:27	30-Jun-07	3:29
AR1242-4	AR1242-4	30-Jun-07	3:29	30-Jun-07	4:00
AR1242-5	AR1242-5	30-Jun-07	4:00	30-Jun-07	4:31
AR1248-1	AR1248-1	30-Jun-07	4:31	30-Jun-07	5:01
AR1248-2	AR1248-2	30-Jun-07	5:01	30-Jun-07	5:32
AR1248-3	AR1248-3	30-Jun-07	5:32	30-Jun-07	6:03
AR1248-4	AR1248-4	30-Jun-07	6:03	30-Jun-07	6:34
AR1248-5	AR1248-5	30-Jun-07	6:34	30-Jun-07	7:04
AR1254-1	AR1254-1	30-Jun-07	7:04	30-Jun-07	7:35
AR1254-2	AR1254-2	30-Jun-07	7:35	30-Jun-07	8:06
AR1254-3	AR1254-3	30-Jun-07	8:06	30-Jun-07	8:37
AR1254-4	AR1254-4	30-Jun-07	8:37	30-Jun-07	9:08
AR1254-5	AR1254-5	30-Jun-07	9:08	30-Jun-07	9:38
AR1262-1	AR1262-1	30-Jun-07	9:38	30-Jun-07	10:09
AR1262-2	AR1262-2	30-Jun-07	10:09	30-Jun-07	10:40
AR1262-3	AR1262-3	30-Jun-07	10:40	30-Jun-07	11:11
AR1262-4	AR1262-4	30-Jun-07	11:11	30-Jun-07	11:42
AR1262-5	AR1262-5	30-Jun-07	11:42	30-Jun-07	12:12
AR1268-1	AR1268-1	30-Jun-07	12:12	30-Jun-07	12:43
AR1268-2	AR1268-2	30-Jun-07	12:43	30-Jun-07	13:14
AR1268-3	AR1268-3	30-Jun-07	13:14	30-Jun-07	13:45
AR1268-4	AR1268-4	30-Jun-07	13:45	30-Jun-07	14:16
AR1268-5	AR1268-5	30-Jun-07	14:16	02-Jul-07	15:40
INDAB-1	INDAB-1	02-Jul-07	15:40	02-Jul-07	16:11
INDAB-2	INDAB-2	02-Jul-07	16:11	02-Jul-07	16:42
INDAB-3	INDAB-3	02-Jul-07	16:42	02-Jul-07	17:12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
INDAB-4	INDAB-4	02-Jul-07	17:12	02-Jul-07	17:43
INDAB-5	INDAB-5	02-Jul-07	17:43	03-Jul-07	9:32
INDAB-6	INDAB-6	03-Jul-07	9:32	03-Jul-07	10:03
I06290721	I06290721	03-Jul-07	10:03	03-Jul-07	10:33
I06290732	I06290732	03-Jul-07	10:33	03-Jul-07	11:04
I06290742	I06290742	03-Jul-07	11:04	03-Jul-07	11:35
I06290748	I06290748	03-Jul-07	11:35	03-Jul-07	12:06
I06290754	I06290754	03-Jul-07	12:06	03-Jul-07	12:37
I06290760	I06290760	03-Jul-07	12:37	03-Jul-07	13:08
AR1242-3	AR1242-3	03-Jul-07	13:08	03-Jul-07	13:08
PIBLK	PIBLK	29-Oct-07	10:46	29-Oct-07	11:17
AR1660-3	AR1660-3	29-Oct-07	11:17	29-Oct-07	11:47
PIBLK	PIBLK	29-Oct-07	16:25	29-Oct-07	16:56
AR1660-3	AR1660-3	29-Oct-07	16:56	29-Oct-07	22:35
PIBLK	PIBLK	29-Oct-07	22:35	29-Oct-07	23:06
AR1660-3	AR1660-3	29-Oct-07	23:06	30-Oct-07	1:39
TMCSD0101BB	0710130-001B	30-Oct-07	1:39	30-Oct-07	4:44
PIBLK	PIBLK	30-Oct-07	4:44	30-Oct-07	5:15
AR1660-3	AR1660-3	30-Oct-07	5:15	30-Oct-07	5:15

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	29-Jun-07	17:12	29-Jun-07	17:42
AR1660-1	AR1660-1	29-Jun-07	17:42	29-Jun-07	18:13
AR1660-2	AR1660-2	29-Jun-07	18:13	29-Jun-07	18:44
AR1660-3	AR1660-3	29-Jun-07	18:44	29-Jun-07	19:15
AR1660-4	AR1660-4	29-Jun-07	19:15	29-Jun-07	19:46
AR1660-5	AR1660-5	29-Jun-07	19:46	29-Jun-07	20:17
AR1221-1	AR1221-1	29-Jun-07	20:17	29-Jun-07	20:48
AR1221-2	AR1221-2	29-Jun-07	20:48	29-Jun-07	21:19
AR1221-3	AR1221-3	29-Jun-07	21:19	29-Jun-07	21:50
AR1221-4	AR1221-4	29-Jun-07	21:50	29-Jun-07	22:21
AR1221-5	AR1221-5	29-Jun-07	22:21	29-Jun-07	22:51
AR1232-1	AR1232-1	29-Jun-07	22:51	29-Jun-07	23:22
AR1232-2	AR1232-2	29-Jun-07	23:22	29-Jun-07	23:53
AR1232-3	AR1232-3	29-Jun-07	23:53	30-Jun-07	0:24
AR1232-4	AR1232-4	30-Jun-07	0:24	30-Jun-07	0:55
AR1232-5	AR1232-5	30-Jun-07	0:55	30-Jun-07	1:26
AR1242-1	AR1242-1	30-Jun-07	1:26	30-Jun-07	1:56
AR1242-2	AR1242-2	30-Jun-07	1:56	30-Jun-07	2:27
AR1242-3	AR1242-3	30-Jun-07	2:27	30-Jun-07	2:58
AR1242-4	AR1242-4	30-Jun-07	2:58	30-Jun-07	3:29
AR1242-5	AR1242-5	30-Jun-07	3:29	30-Jun-07	4:00
AR1248-1	AR1248-1	30-Jun-07	4:00	30-Jun-07	4:31
AR1248-2	AR1248-2	30-Jun-07	4:31	30-Jun-07	5:01
AR1248-3	AR1248-3	30-Jun-07	5:01	30-Jun-07	5:32
AR1248-4	AR1248-4	30-Jun-07	5:32	30-Jun-07	6:03
AR1248-5	AR1248-5	30-Jun-07	6:03	30-Jun-07	6:34
AR1254-1	AR1254-1	30-Jun-07	6:34	30-Jun-07	7:04
AR1254-2	AR1254-2	30-Jun-07	7:04	30-Jun-07	7:35
AR1254-3	AR1254-3	30-Jun-07	7:35	30-Jun-07	8:06
AR1254-4	AR1254-4	30-Jun-07	8:06	30-Jun-07	8:37
AR1254-5	AR1254-5	30-Jun-07	8:37	30-Jun-07	9:08
AR1262-1	AR1262-1	30-Jun-07	9:08	30-Jun-07	9:38
AR1262-2	AR1262-2	30-Jun-07	9:38	30-Jun-07	10:09
AR1262-3	AR1262-3	30-Jun-07	10:09	30-Jun-07	10:40
AR1262-4	AR1262-4	30-Jun-07	10:40	30-Jun-07	11:11
AR1262-5	AR1262-5	30-Jun-07	11:11	30-Jun-07	11:42
AR1268-1	AR1268-1	30-Jun-07	11:42	30-Jun-07	12:12
AR1268-2	AR1268-2	30-Jun-07	12:12	30-Jun-07	12:43
AR1268-3	AR1268-3	30-Jun-07	12:43	30-Jun-07	13:14
AR1268-4	AR1268-4	30-Jun-07	13:14	30-Jun-07	13:45
AR1268-5	AR1268-5	30-Jun-07	13:45	02-Jul-07	15:09
INDAB-1	INDAB-1	02-Jul-07	15:09	02-Jul-07	15:40
INDAB-2	INDAB-2	02-Jul-07	15:40	02-Jul-07	16:11

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
INDAB-3	INDAB-3	02-Jul-07	16:11	02-Jul-07	16:42
INDAB-4	INDAB-4	02-Jul-07	16:42	02-Jul-07	17:12
INDAB-5	INDAB-5	02-Jul-07	17:12	02-Jul-07	17:43
INDAB-6	INDAB-6	02-Jul-07	17:43	03-Jul-07	9:32
I06290721	I06290721	03-Jul-07	9:32	03-Jul-07	10:03
I06290732	I06290732	03-Jul-07	10:03	03-Jul-07	10:33
I06290742	I06290742	03-Jul-07	10:33	03-Jul-07	11:04
I06290748	I06290748	03-Jul-07	11:04	03-Jul-07	11:35
I06290754	I06290754	03-Jul-07	11:35	03-Jul-07	12:06
I06290760	I06290760	03-Jul-07	12:06	03-Jul-07	12:37
AR1242-3	AR1242-3	03-Jul-07	12:37	03-Jul-07	12:37
PIBLK	PIBLK	30-Oct-07	16:21	30-Oct-07	16:51
AR1660-3	AR1660-3	30-Oct-07	16:51	30-Oct-07	17:22
MB-6440	MB-6440	30-Oct-07	17:22	30-Oct-07	17:53
LCS-6440	LCS-6440	30-Oct-07	17:53	30-Oct-07	18:24
LCSD-6440	LCSD-6440	30-Oct-07	18:24	30-Oct-07	18:55
PIBLK	PIBLK	30-Oct-07	22:30	30-Oct-07	23:01
AR1660-3	AR1660-3	30-Oct-07	23:01	31-Oct-07	1:05
TMCSD0801BB	0710130-008B	31-Oct-07	1:05	31-Oct-07	4:09
PIBLK	PIBLK	31-Oct-07	4:09	31-Oct-07	4:40
AR1660-3	AR1660-3	31-Oct-07	4:40	31-Oct-07	8:46
PIBLK	PIBLK	31-Oct-07	8:46	31-Oct-07	9:17
AR1660-3	AR1660-3	31-Oct-07	9:17	31-Oct-07	9:17
PIBLK	PIBLK	05-Nov-07	11:40	05-Nov-07	12:10
AR1660-3	AR1660-3	05-Nov-07	12:10	05-Nov-07	12:41
MB-6500	MB-6500	05-Nov-07	12:41	05-Nov-07	13:12
LCS-6500	LCS-6500	05-Nov-07	13:12	05-Nov-07	13:43
LCSD-6500	LCSD-6500	05-Nov-07	13:43	05-Nov-07	14:14
TMCSD0201BB	0710130-002B	05-Nov-07	14:14	05-Nov-07	14:45
TMCSD0301BB	0710130-003B	05-Nov-07	14:45	05-Nov-07	15:16
TMCSD0401BB	0710130-004B	05-Nov-07	15:16	05-Nov-07	15:47
TMCSD0501BB	0710130-005B	05-Nov-07	15:47	05-Nov-07	16:17
TMCSD0601BB	0710130-006B	05-Nov-07	16:17	05-Nov-07	16:48
TMCSD0701BB	0710130-007B	05-Nov-07	16:48	05-Nov-07	18:21
PIBLK	PIBLK	05-Nov-07	18:21	05-Nov-07	18:52
AR1660-3	AR1660-3	05-Nov-07	18:52	05-Nov-07	19:53
AR1248-3	AR1248-3	05-Nov-07	19:53	05-Nov-07	19:53

Comments:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 **(315) 437-0200**

Friday, December 21, 2007

Niels van Hoesel
FPM Group
153 Brooks Road
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - TMC LTM-SW
RE: Analytical Result Order No.: 0710131

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 11 sample(s) on 10/19/2007 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Monika Santucci

Monika Santucci
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-TMC LTM-SW-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperatures of the coolers ranged from -2.0°C thru -0.2°C.

The Pesticide and PCB analysis requested on the chain of custody will be presented in a separate report.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Semivolatile Organics	SW8270C	1
ICP Metals	SW6010B	1
Mercury	SW7470A	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM - SW
Work Order #:	0710131
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): ABM / 11-7-07

Supervisor/Reviewed by (Initials/Date): 12/21/07

QA/QC Review (Initials/Date): 12/21/07

File Name: G:\Narratives\MSVoa\0710131msvnar.doc

GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

GC/MS Semi-Volatile Organics Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB-TMC LTM-SW
Work Order #:	0710131
Methodology:	8270C

Analyzed/Reviewed by (Initials/Date): MA 11/28/07

Supervisor/Reviewed by (Initials/Date): for MV 11/28/07

QA/QC Review (Initials/Date): 11/28/07

File Name: G:\Narratives\MSSemi\0710131svnar.doc

GC/MS Semi-Volatile Organics
The GC/MS Semi-volatile instruments used a J & W DB-5MS, 30 m x 0.25 mm ID capillary column.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-6422	Benzoic Acid	1

1 The recovery exceeded the lower control limit. The chromatogram was inspected for concentrations down to the MDL in the associated samples and the analyte was not detected. The analyte is not of project specific concern and was within marginal exceedance limits. The duplicate LCS met acceptance limits. No corrective action is required.

Surrogate Standards
The following sample(s) did not meet surrogate recovery criteria:

Sample Description	Sample #	Surrogate	Corrective Action
Lab. Cont. Sample	LCS-6422	2,4,6-Tribromophenol	1
TMCSW0601BB	0710131-006A	2-Fluorophenol	2
		Nitrobenzene-d5	2
		2-Fluorobiphenyl	2
TMCSW0701BB	0710131-007A	Terphenyl-d14	2

1 The surrogate was within control limits in the LCSD. Associated samples met criteria. No corrective action was taken.

2 No corrective action was taken due to the holding time for the sample expiring.

Client ID:	FPM
Project/Order:	Griffiss AFB-TMC LTM-SW
Work Order#:	0710131
Methodology:	8270C

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Due to an error in surrogate preparation, all samples and QC were spiked with 40ug/mL of surrogate Terphenyl-d14 instead of 100ug/mL. Values were adjusted accordingly.

Trace Metals Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-SW
Work Order #:	0710131
Methodology:	ICP metals – SW6010B

Analyzed/Reviewed by (Date/Initials): 11-5-07 mt

Supervisor/Reviewed by (Date/Initials): 11-5-07 MS

QA/QC Review (Date/Initials): 11/6/07 MEP for MK

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
The following analytes did not meet matrix spike/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
TMCSW0101BB	0710131-001B	Ca, Na	X		1

1. Form I-2 & I-7 were flagged with an "M" accordingly. No further corrective action was taken.

Interference Check Standard
All percent recoveries met method and/or project specific QC criteria.

ICP Serial Dilution
All percent differences met method and/or project specific QC criteria.

Post Digestion Spike Addition
The following analyte did not meet ICP post digestion spike addition recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
TMCSW0101BB	0710131-001B	Na	1

1. The dilution test met QC criteria. No corrective action was taken.

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-SW
Work Order #:	0710131
Methodology:	ICP metals – SW6010B

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Zinc concentration was greater than the RL for sample 0710131-009B (101807BE).

Trace Metals Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – TMC LTM-SW
Work Order #:	0710131
Methodology:	Mercury – SW 7470A

Analyzed/Reviewed by (Date/Initials): 11-1-07 mt

Supervisor/Reviewed by (Date/Initials): 11-1-07 mt

QA/QC Review (Date/Initials): 11/5/07 mt

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

CVAA Dilution Test
All percent differences met method and/or project specific QC criteria.

CVAA Recovery Test
All spike recoveries met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *21-Dec-07*

CLIENT: FPM Group
Project: Griffiss AFB - TMC LTM-SW
Lab Order: 0710131

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710131-001A	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-001B	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-001C	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-002A	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-002B	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-002C	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-003A	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-003B	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-003C	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-004A	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-004B	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-004C	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-005A	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-005B	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-005C	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-006A	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-006B	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-006C	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-007A	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-007B	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-007C	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-008A	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-008B	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-008C	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-009A	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-009B	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-009C	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-010A	101807BF	FIELDQC	10/18/2007	10/19/2007
0710131-011A	101807BR	FIELDQC	10/18/2007	10/19/2007

Life Science Laboratories, Inc.

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-001A	TMCSW0101BB	10/18/2007 11:30:00 AM	Surface Water	Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/25/2007
0710131-001B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-001C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-002A	TMCSW0201BB	10/18/2007 1:40:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-002B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-002C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-003A	TMCSW0301BB	10/18/2007 10:15:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/25/2007
0710131-003B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-003C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-004A	TMCSW0401BB	10/18/2007 9:40:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-004B				Mercury		10/29/2007	10/30/2007

Life Science Laboratories, Inc.

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-004B	TMCSW0401BB	10/18/2007 9:40:00 AM	Surface Water	Total Metals by ICP		10/24/2007	10/26/2007
0710131-004C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-005A	TMCSW0501BB	10/18/2007 9:10:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-005B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-005C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-006A	TMCSW0601BB	10/18/2007 11:00:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-006B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-006C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-007A	TMCSW0701BB	10/18/2007 2:00:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-007B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-007C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-008A	TMCSW0801BB	10/18/2007 1:10:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007

Life Science Laboratories, Inc.

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-008A	TMCSW0801BB	10/18/2007 1:10:00 PM	Surface Water	Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-008B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-008C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-009A	101807BE	10/18/2007 8:30:00 AM	Water Q	Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-009B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-009C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-010A	101807BF	10/18/2007 11:45:00 AM		Volatile Organic Compounds by GC/MS			10/25/2007
0710131-011A	101807BR	10/18/2007 8:20:00 AM		Volatile Organic Compounds by GC/MS			10/25/2007

Chain of Custody

External Chain of Custody

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2006	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL Vials (HCl)	SVOCs note 2 1 L amber bottle	PCBs note 3 1 L amber bottle	Pesticides note 4 1 L amber bottle	Metals note 5 250 mL poly bottle HNO3	Comments
TMCSW0101BB	TMCSW-13	10/18	1130	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0201BB	TMCSW-903	10/18	1340	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0301BB	TMCSW-902	10/18	1015	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0401BB	RV-TMCFSS-4	10/18	0940	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0501BB	RV-TMCFSS-5	10/18	0910	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0601BB	TMCSW-14	10/18	1100	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0701BB	RV-TMCSS-7	10/18	1400	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0801BB	RV-TMCSS-8	10/18	1310	WS	G	N	0/0	8	3	2	1	1	1	
101807BE	FIELDQC	10/18	0830	WQ	G	EB	0/0	8	3	2	1	1	1	
101807BF	FIELDQC	10/18	1145	WQ	NA	AB	0/0	3	3	-	-	-	-	
101807BR	FIELDQC	10/18	0820	WQ	NA	TB	0/0	3	3	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Good Custody Seals INTACT Cooler temperature: -0.2°, -2.0°, -1.8°, -1.2° ON ICE

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.
Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List.
Note 3: PCBs: Method SW8082 for AFCEE QAPP 4.0 List.
Note 4: Pesticides: Method SW8081 for AFCEE QAPP 4.0 List
5: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date: 10/19/07
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name: LSL	Time: 945
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date: 10/19/07
Company Name: FPM Group Ltd	Time: 1200	Company Name: LSL	Time: 8:55	Company Name: LSL	Time: 0945

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM** Date and Time Received: **10/19/2007 9:45:00 AM**

Work Order Number **0710131** Received by: **ads**

Checklist completed by: _____ 10/19/07 Reviewed by: MS 10/19/07
Initials Date Initials Date

Matrix: Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☐ N ☐ NA ☑		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

Corrective Action::

Client/Project 071013 1 FPM

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001-009	A		JR	10/22/07 0958	8270	N/R
-001-009	B		BW	10/24/07 8:45	3005A	10/24/07 14:30

Client/Project FPM Griffiss 0710131

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0710131-001→011	A		JA	10/23/07 15:30	8260	N/R
- 001→009	A		CC	10/24/07 14:50	8081W/8082W	N/R
001→009	B		BW	10/29/07 8:30	Hg 7470W/A	12:45/10/29/07

G:\QAQC\forms\GeneralLaboratory\Sign out.xls

Internal Chain of Custody

GC/MS SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6422 Date Extracted: 10-22-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By
FPM	0710131-001A -002A -003A -004A -005A -006A -007A -008A -009A	10-24-07 18:00	G.L.

Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
0710131-001A ↓ 003A	10-25-07 JW	MG	8270	10-26-07 8W	MG
0710131-004A ↓ 009A 002A	10-26-07 JW	MG	8270	10-29-07 8W	MG

Reviewed by: BK for MV Date: 11/25/07

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 6442 Date Digested : 10/24/07

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
FPM	0710131_001B → 009B	0710131_001B → 009B	C. Tran	10/26/07	9:30	16:30

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R11639

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001C
TMCSW0201BB	0710131-002C
TMCSW0301BB	0710131-003C
TMCSW0401BB	0710131-004C
TMCSW0501BB	0710131-005C
TMCSW0601BB	0710131-006C
TMCSW0701BB	0710131-007C
TMCSW0801BB	0710131-008C
101807BE	0710131-009C
101807BF	0710131-010A
101807BR	0710131-011A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci

Name: Monika Santucci

Date: 12/20/07

Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.98	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.120	1		F
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.400	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3120.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2803683	1123200 - 4492802	
Chlorobenzene-d5	3669571	1595982 - 6383930	
Fluorobenzene	5725632	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.220	1		F
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.210	1		F
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.94	1		F
Benzene	0.0100	0.500	0.580	1		
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	2.34	1		
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.180	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3121.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	101	76 - 119	
Dibromofluoromethane	105	85 - 115	
Toluene-d8	108	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2754177	1123200 - 4492802	
Chlorobenzene-d5	3717979	1595982 - 6383930	
Fluorobenzene	5678207	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.49	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.320	1		F
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3122.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2824448	1123200 - 4492802	
Chlorobenzene-d5	3646566	1595982 - 6383930	
Fluorobenzene	5660330	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.39	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3112.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2959257	1123200 - 4492802	
Chlorobenzene-d5	3818926	1595982 - 6383930	
Fluorobenzene	6007653	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	2.36	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3113.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2960620	1123200 - 4492802	
Chlorobenzene-d5	3748394	1595982 - 6383930	
Fluorobenzene	5974461	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.230	1		F
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3114.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Dibromofluoromethane	105	85 - 115	
Toluene-d8	111	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2934077	1123200 - 4492802	
Chlorobenzene-d5	3787355	1595982 - 6383930	
Fluorobenzene	5900462	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	2.27	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3115.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	100	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2913990	1123200 - 4492802	
Chlorobenzene-d5	3754756	1595982 - 6383930	
Fluorobenzene	5952071	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	3.17	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.400	1		F
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3116.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2853573	1123200 - 4492802	
Chlorobenzene-d5	3710276	1595982 - 6383930	
Fluorobenzene	5734124	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.0340	1		U
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3117.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Dibromofluoromethane	101	85 - 115	
Toluene-d8	109	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2895422	1123200 - 4492802	
Chlorobenzene-d5	3741658	1595982 - 6383930	
Fluorobenzene	5888818	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	1.69	1		F
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.410	1		F
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BF	**Lab Sample ID:**	0710131-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3118.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	102	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2848336	1123200 - 4492802	
Chlorobenzene-d5	3703948	1595982 - 6383930	
Fluorobenzene	5828324	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.0280	2.00	0.0280	1		U
1,1,1,2-Tetrachloroethane	0.0540	0.500	0.0540	1		U
1,1,1-Trichloroethane	0.0150	1.00	0.0150	1		U
1,1,2,2-Tetrachloroethane	0.0810	0.500	0.0810	1		U
1,1,2-Trichloroethane	0.0280	1.00	0.0280	1		U
1,1-Dichloroethane	0.0330	1.00	0.0330	1		U
1,1-Dichloroethene	0.0460	1.00	0.0460	1		U
1,1-Dichloropropene	0.0240	1.00	0.0240	1		U
1,2,3-Trichlorobenzene	0.0360	1.00	0.0360	1		U
1,2,3-Trichloropropane	0.0460	1.00	0.0460	1		U
1,2,4-Trichlorobenzene	0.0250	1.00	0.0250	1		U
1,2,4-Trimethylbenzene	0.0120	1.00	0.0120	1		U
1,2-Dibromo-3-chloropropane	0.261	2.00	0.261	1		U
1,2-Dibromoethane	0.0350	1.00	0.0350	1		U
1,2-Dichlorobenzene	0.0190	1.00	0.0190	1		U
1,2-Dichloroethane	0.0240	0.500	0.0240	1		U
1,2-Dichloropropane	0.0260	1.00	0.0260	1		U
1,3,5-Trimethylbenzene	0.0130	1.00	0.0130	1		U
1,3-Dichlorobenzene	0.0200	1.00	0.0200	1		U
1,3-Dichloropropane	0.0230	0.500	0.0230	1		U
1,4-Dichlorobenzene	0.0170	0.500	0.0170	1		U
1-Chlorohexane	0.0470	1.00	0.0470	1		U
2,2-Dichloropropane	0.0820	1.00	0.0820	1		U
2-Butanone	0.649	10.0	0.649	1		U
2-Chlorotoluene	0.0120	1.00	0.0120	1		U
4-Chlorotoluene	0.0170	1.00	0.0170	1		U
4-Methyl-2-pentanone	0.375	10.0	0.375	1		U
Acetone	0.823	10.0	0.823	1		U
Benzene	0.0100	0.500	0.0100	1		U
Bromobenzene	0.0280	1.00	0.0280	1		U
Bromochloromethane	0.0590	1.00	0.0590	1		U
Bromodichloromethane	0.0310	0.500	0.0310	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.0470	1.00	0.0470	1		U
Bromomethane	0.0590	3.00	0.0590	1		U
Carbon tetrachloride	0.0320	1.00	0.0320	1		U
Chlorobenzene	0.0110	0.500	0.0110	1		U
Chloroethane	0.116	1.00	0.116	1		U
Chloroform	0.0290	0.500	0.0290	1		U
Chloromethane	0.126	1.00	0.126	1		U
cis-1,2-Dichloroethene	0.0320	1.00	0.0320	1		U
cis-1,3-Dichloropropene	0.0210	0.500	0.0210	1		U
Dibromochloromethane	0.0410	0.500	0.0410	1		U
Dibromomethane	0.0380	1.00	0.0380	1		U
Dichlorodifluoromethane	0.0670	1.00	0.0670	1		U
Ethylbenzene	0.0240	1.00	0.0240	1		U
Hexachlorobutadiene	0.0610	0.600	0.0610	1		U
Isopropylbenzene	0.0210	1.00	0.0210	1		U
Methyl tert-butyl ether	0.0250	5.00	0.0250	1		U
Methylene chloride	0.0340	1.00	0.100	1		F
n-Butylbenzene	0.0130	1.00	0.0130	1		U
n-Propylbenzene	0.00900	1.00	0.00900	1		U
Naphthalene	0.0240	1.00	0.0240	1		U
o-Xylene	0.0140	1.00	0.0140	1		U
p-Isopropyltoluene	0.0140	1.00	0.0140	1		U
sec-Butylbenzene	0.0170	1.00	0.0170	1		U
Styrene	0.0200	1.00	0.0200	1		U
tert-Butylbenzene	0.0160	1.00	0.0160	1		U
Tetrachloroethene	0.0300	1.00	0.0300	1		U
Toluene	0.0180	1.00	0.0180	1		U
trans-1,2-Dichloroethene	0.0270	1.00	0.0270	1		U
trans-1,3-Dichloropropene	0.0290	1.00	0.0290	1		U
Trichloroethene	0.0270	1.00	0.0270	1		U
Trichlorofluoromethane	0.0200	1.00	0.0200	1		U
Vinyl chloride	0.0380	1.00	0.0380	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BR	**Lab Sample ID:**	0710131-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1078	**File ID:**	M3119.D
Date Received:	19-Oct-07	**Date Extracted:**		**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.0420	2.00	0.0420	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Dibromofluoromethane	101	85 - 115	
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2856302	1123200 - 4492802	
Chlorobenzene-d5	3752553	1595982 - 6383930	
Fluorobenzene	5811259	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.510	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3085.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	114	42 - 124	
2-Fluorobiphenyl	92	48 - 120	
2-Fluorophenol	86	20 - 120	
Nitrobenzene-d5	98	41 - 120	
Phenol-d5	92	20 - 120	
Terphenyl-d14	110	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	167317	83942 - 335766	
Acenaphthene-d10	340632	177876 - 711502	
Chrysene-d12	434558	284174 - 1136694	
Naphthalene-d8	628107	307518 - 1230074	
Perylene-d12	347691	257336 - 1029344	
Phenanthrene-d10	574988	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.980	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3103.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	104	42 - 124	
2-Fluorobiphenyl	94	48 - 120	
2-Fluorophenol	91	20 - 120	
Nitrobenzene-d5	103	41 - 120	
Phenol-d5	96	20 - 120	
Terphenyl-d14	112	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	175551	83942 - 335766	
Acenaphthene-d10	347960	177876 - 711502	
Chrysene-d12	363861	284174 - 1136694	
Naphthalene-d8	641767	307518 - 1230074	
Perylene-d12	278180	257336 - 1029344	
Phenanthrene-d10	553111	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.660	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3087.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	25-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	110	42 - 124	
2-Fluorobiphenyl	89	48 - 120	
2-Fluorophenol	86	20 - 120	
Nitrobenzene-d5	99	41 - 120	
Phenol-d5	89	20 - 120	
Terphenyl-d14	102	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	159812	83942 - 335766	
Acenaphthene-d10	325581	177876 - 711502	
Chrysene-d12	388225	284174 - 1136694	
Naphthalene-d8	582496	307518 - 1230074	
Perylene-d12	307492	257336 - 1029344	
Phenanthrene-d10	533601	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	970 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.3	0.10	1		U
1,2-Dichlorobenzene	0.07	10.3	0.07	1		U
1,3-Dichlorobenzene	0.06	10.3	0.06	1		U
1,4-Dichlorobenzene	0.07	10.3	0.07	1		U
2,4,5-Trichlorophenol	0.14	51.5	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.3	0.10	1		U
2,4-Dichlorophenol	0.08	10.3	0.08	1		U
2,4-Dimethylphenol	0.26	10.3	0.26	1		U
2,4-Dinitrophenol	10.3	51.5	10.3	1		U
2,4-Dinitrotoluene	1.24	10.3	1.24	1		U
2,6-Dinitrotoluene	1.24	10.3	1.24	1		U
2-Chloronaphthalene	0.11	10.3	0.11	1		U
2-Chlorophenol	0.12	10.3	0.12	1		U
2-Methylnaphthalene	0.05	10.3	0.05	1		U
2-Methylphenol	0.07	10.3	0.07	1		U
2-Nitroaniline	1.24	51.5	1.24	1		U
2-Nitrophenol	0.07	10.3	0.07	1		U
3,3'-Dichlorobenzidine	1.24	20.6	1.24	1		U
3-Nitroaniline	1.24	51.5	1.24	1		U
4,6-Dinitro-2-methylphenol	0.36	51.5	0.36	1		U
4-Bromophenyl phenyl ether	0.15	10.3	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.6	0.08	1		U
4-Chloroaniline	0.10	20.6	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.3	0.12	1		U
4-Methylphenol	0.11	51.5	0.11	1		U
4-Nitroaniline	0.20	51.5	0.20	1		U
4-Nitrophenol	2.06	51.5	2.06	1		U
Acenaphthene	0.08	10.3	0.08	1		U
Acenaphthylene	0.10	10.3	0.10	1		U
Anthracene	0.14	10.3	0.14	1		U
Benzo[a]anthracene	0.08	10.3	0.08	1		U
Benzo[a]pyrene	0.15	10.3	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	970 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.52	10.3	0.52	1		U
Benzo[g,h,i]perylene	0.10	10.3	0.10	1		U
Benzo[k]fluoranthene	0.34	10.3	0.34	1		U
Benzoic acid	5.35	103	5.35	1		U
Benzyl alcohol	0.11	20.6	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.3	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.3	0.04	1		U
bis(2-chloroisopropyl)ether	1.24	10.3	1.24	1		U
bis(2-Ethylhexyl)phthalate	0.46	10.3	0.598	1		F
Butyl benzyl phthalate	0.16	10.3	0.16	1		U
Chrysene	0.08	10.3	0.08	1		U
Di-n-butyl phthalate	1.63	10.3	1.63	1		U
Di-n-octyl phthalate	0.19	10.3	0.19	1		U
Dibenz[a,h]anthracene	0.09	10.3	0.09	1		U
Dibenzofuran	0.14	10.3	0.14	1		U
Diethyl phthalate	0.13	10.3	0.13	1		U
Dimethyl phthalate	0.10	10.3	0.10	1		U
Fluoranthene	0.06	10.3	0.06	1		U
Fluorene	0.11	10.3	0.11	1		U
Hexachlorobenzene	0.11	10.3	0.11	1		U
Hexachlorobutadiene	1.24	10.3	1.24	1		U
Hexachloroethane	1.24	10.3	1.24	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.3	0.09	1		U
Isophorone	0.12	10.3	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.3	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.3	0.08	1		U
Naphthalene	0.06	10.3	0.06	1		U
Nitrobenzene	0.12	10.3	0.12	1		U
Pentachlorophenol	1.24	51.5	1.24	1		U
Phenanthrene	0.10	10.3	0.10	1		U
Phenol	0.09	10.3	0.09	1		U
Pyrene	0.07	10.3	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3090.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	970 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	103	42 - 124	
2-Fluorobiphenyl	90	48 - 120	
2-Fluorophenol	83	20 - 120	
Nitrobenzene-d5	97	41 - 120	
Phenol-d5	88	20 - 120	
Terphenyl-d14	101	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	205775	83942 - 335766	
Acenaphthene-d10	413937	177876 - 711502	
Chrysene-d12	453899	284174 - 1136694	
Naphthalene-d8	750425	307518 - 1230074	
Perylene-d12	369618	257336 - 1029344	
Phenanthrene-d10	660954	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.0	0.10	1		U
1,2-Dichlorobenzene	0.07	10.0	0.07	1		U
1,3-Dichlorobenzene	0.06	10.0	0.06	1		U
1,4-Dichlorobenzene	0.07	10.0	0.07	1		U
2,4,5-Trichlorophenol	0.14	50.0	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.0	0.10	1		U
2,4-Dichlorophenol	0.08	10.0	0.08	1		U
2,4-Dimethylphenol	0.25	10.0	0.25	1		U
2,4-Dinitrophenol	10.0	50.0	10.0	1		U
2,4-Dinitrotoluene	1.20	10.0	1.20	1		U
2,6-Dinitrotoluene	1.20	10.0	1.20	1		U
2-Chloronaphthalene	0.11	10.0	0.11	1		U
2-Chlorophenol	0.12	10.0	0.12	1		U
2-Methylnaphthalene	0.05	10.0	0.05	1		U
2-Methylphenol	0.07	10.0	0.07	1		U
2-Nitroaniline	1.20	50.0	1.20	1		U
2-Nitrophenol	0.07	10.0	0.07	1		U
3,3'-Dichlorobenzidine	1.20	20.0	1.20	1		U
3-Nitroaniline	1.20	50.0	1.20	1		U
4,6-Dinitro-2-methylphenol	0.35	50.0	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.0	0.15	1		U
4-Chloro-3-methylphenol	0.08	20.0	0.08	1		U
4-Chloroaniline	0.10	20.0	0.10	1		U
4-Chlorophenyl phenyl ether	0.12	10.0	0.12	1		U
4-Methylphenol	0.11	50.0	0.11	1		U
4-Nitroaniline	0.19	50.0	0.19	1		U
4-Nitrophenol	2.00	50.0	2.00	1		U
Acenaphthene	0.08	10.0	0.08	1		U
Acenaphthylene	0.10	10.0	0.10	1		U
Anthracene	0.14	10.0	0.14	1		U
Benzo[a]anthracene	0.08	10.0	0.08	1		U
Benzo[a]pyrene	0.15	10.0	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.50	10.0	0.50	1		U
Benzo[g,h,i]perylene	0.10	10.0	0.10	1		U
Benzo[k]fluoranthene	0.33	10.0	0.33	1		U
Benzoic acid	5.19	100	5.19	1		U
Benzyl alcohol	0.11	20.0	0.11	1		U
bis(2-Chloroethoxy)methane	0.10	10.0	0.10	1		U
bis(2-chloroethyl)ether	0.04	10.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.20	10.0	1.20	1		U
bis(2-Ethylhexyl)phthalate	0.45	10.0	0.680	1		F
Butyl benzyl phthalate	0.16	10.0	0.16	1		U
Chrysene	0.08	10.0	0.08	1		U
Di-n-butyl phthalate	1.58	10.0	1.58	1		U
Di-n-octyl phthalate	0.18	10.0	0.18	1		U
Dibenz[a,h]anthracene	0.09	10.0	0.09	1		U
Dibenzofuran	0.14	10.0	0.14	1		U
Diethyl phthalate	0.13	10.0	0.13	1		U
Dimethyl phthalate	0.10	10.0	0.10	1		U
Fluoranthene	0.06	10.0	0.06	1		U
Fluorene	0.11	10.0	0.11	1		U
Hexachlorobenzene	0.11	10.0	0.11	1		U
Hexachlorobutadiene	1.20	10.0	1.20	1		U
Hexachloroethane	1.20	10.0	1.20	1		U
Indeno[1,2,3-cd]pyrene	0.09	10.0	0.09	1		U
Isophorone	0.12	10.0	0.12	1		U
N-Nitroso-di-n-propylamine	0.15	10.0	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.0	0.08	1		U
Naphthalene	0.06	10.0	0.06	1		U
Nitrobenzene	0.12	10.0	0.12	1		U
Pentachlorophenol	1.20	50.0	1.20	1		U
Phenanthrene	0.10	10.0	0.10	1		U
Phenol	0.09	10.0	0.09	1		U
Pyrene	0.07	10.0	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3091.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	111	42 - 124	
2-Fluorobiphenyl	95	48 - 120	
2-Fluorophenol	89	20 - 120	
Nitrobenzene-d5	104	41 - 120	
Phenol-d5	94	20 - 120	
Terphenyl-d14	103	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	187921	83942 - 335766	
Acenaphthene-d10	377478	177876 - 711502	
Chrysene-d12	421935	284174 - 1136694	
Naphthalene-d8	686724	307518 - 1230074	
Perylene-d12	331905	257336 - 1029344	
Phenanthrene-d10	607769	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.10	10.1	0.10	1		UJ
1,2-Dichlorobenzene	0.07	10.1	0.07	1		UJ
1,3-Dichlorobenzene	0.06	10.1	0.06	1		UJ
1,4-Dichlorobenzene	0.07	10.1	0.07	1		UJ
2,4,5-Trichlorophenol	0.14	50.5	0.14	1		U
2,4,6-Trichlorophenol	0.10	10.1	0.10	1		U
2,4-Dichlorophenol	0.08	10.1	0.08	1		UJ
2,4-Dimethylphenol	0.25	10.1	0.25	1		UJ
2,4-Dinitrophenol	10.1	50.5	10.1	1		U
2,4-Dinitrotoluene	1.21	10.1	1.21	1		UJ
2,6-Dinitrotoluene	1.21	10.1	1.21	1		UJ
2-Chloronaphthalene	0.11	10.1	0.11	1		UJ
2-Chlorophenol	0.12	10.1	0.12	1		UJ
2-Methylnaphthalene	0.05	10.1	0.05	1		UJ
2-Methylphenol	0.07	10.1	0.07	1		UJ
2-Nitroaniline	1.21	50.5	1.21	1		UJ
2-Nitrophenol	0.07	10.1	0.07	1		UJ
3,3´-Dichlorobenzidine	1.21	20.2	1.21	1		UJ
3-Nitroaniline	1.21	50.5	1.21	1		UJ
4,6-Dinitro-2-methylphenol	0.35	50.5	0.35	1		U
4-Bromophenyl phenyl ether	0.15	10.1	0.15	1		UJ
4-Chloro-3-methylphenol	0.08	20.2	0.08	1		U
4-Chloroaniline	0.10	20.2	0.10	1		UJ
4-Chlorophenyl phenyl ether	0.12	10.1	0.12	1		UJ
4-Methylphenol	0.11	50.5	0.11	1		UJ
4-Nitroaniline	0.19	50.5	0.19	1		UJ
4-Nitrophenol	2.02	50.5	2.02	1		U
Acenaphthene	0.08	10.1	0.08	1		U
Acenaphthylene	0.10	10.1	0.10	1		U
Anthracene	0.14	10.1	0.14	1		U
Benzo[a]anthracene	0.08	10.1	0.08	1		U
Benzo[a]pyrene	0.15	10.1	0.15	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.51	10.1	0.51	1		U
Benzo[g,h,i]perylene	0.10	10.1	0.10	1		U
Benzo[k]fluoranthene	0.33	10.1	0.33	1		U
Benzoic acid	5.24	101	5.24	1		UJ
Benzyl alcohol	0.11	20.2	0.11	1		UJ
bis(2-Chloroethoxy)methane	0.10	10.1	0.10	1		UJ
bis(2-chloroethyl)ether	0.04	10.1	0.04	1		UJ
bis(2-chloroisopropyl)ether	1.21	10.1	1.21	1		UJ
bis(2-Ethylhexyl)phthalate	0.45	10.1	4.06	1		FJ
Butyl benzyl phthalate	0.16	10.1	0.16	1		UJ
Chrysene	0.08	10.1	0.08	1		U
Di-n-butyl phthalate	1.60	10.1	1.60	1		UJ
Di-n-octyl phthalate	0.18	10.1	0.18	1		UJ
Dibenz[a,h]anthracene	0.09	10.1	0.09	1		UJ
Dibenzofuran	0.14	10.1	0.14	1		UJ
Diethyl phthalate	0.13	10.1	0.13	1		UJ
Dimethyl phthalate	0.10	10.1	0.10	1		UJ
Fluoranthene	0.06	10.1	0.06	1		U
Fluorene	0.11	10.1	0.11	1		U
Hexachlorobenzene	0.11	10.1	0.11	1		UJ
Hexachlorobutadiene	1.21	10.1	1.21	1		UJ
Hexachloroethane	1.21	10.1	1.21	1		UJ
Indeno[1,2,3-cd]pyrene	0.09	10.1	0.09	1		U
Isophorone	0.12	10.1	0.12	1		UJ
N-Nitroso-di-n-propylamine	0.15	10.1	0.15	1		U
N-Nitrosodiphenylamine	0.08	10.1	0.08	1		UJ
Naphthalene	0.06	10.1	0.06	1		U
Nitrobenzene	0.12	10.1	0.12	1		UJ
Pentachlorophenol	1.21	50.5	1.21	1		U
Phenanthrene	0.10	10.1	0.10	1		U
Phenol	0.09	10.1	0.09	1		U
Pyrene	0.07	10.1	0.07	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3092.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	990 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	88	42 - 124	
2-Fluorobiphenyl	43	48 - 120	*
2-Fluorophenol	16	20 - 120	*
Nitrobenzene-d5	30	41 - 120	*
Phenol-d5	31	20 - 120	
Terphenyl-d14	110	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	153866	85588 - 342354	
Acenaphthene-d10	300794	177876 - 711502	
Chrysene-d12	321572	284174 - 1136694	
Naphthalene-d8	555758	304342 - 1217366	
Perylene-d12	285351	257336 - 1029344	
Phenanthrene-d10	472904	273040 - 1092162	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	930 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.11	10.8	0.11	1		U
1,2-Dichlorobenzene	0.08	10.8	0.08	1		U
1,3-Dichlorobenzene	0.06	10.8	0.06	1		U
1,4-Dichlorobenzene	0.08	10.8	0.08	1		U
2,4,5-Trichlorophenol	0.15	53.8	0.15	1		U
2,4,6-Trichlorophenol	0.11	10.8	0.11	1		U
2,4-Dichlorophenol	0.09	10.8	0.09	1		U
2,4-Dimethylphenol	0.27	10.8	0.27	1		U
2,4-Dinitrophenol	10.8	53.8	10.8	1		U
2,4-Dinitrotoluene	1.29	10.8	1.29	1		U
2,6-Dinitrotoluene	1.29	10.8	1.29	1		U
2-Chloronaphthalene	0.12	10.8	0.12	1		U
2-Chlorophenol	0.13	10.8	0.13	1		U
2-Methylnaphthalene	0.05	10.8	0.05	1		U
2-Methylphenol	0.08	10.8	0.08	1		U
2-Nitroaniline	1.29	53.8	1.29	1		U
2-Nitrophenol	0.08	10.8	0.08	1		U
3,3'-Dichlorobenzidine	1.29	21.5	1.29	1		U
3-Nitroaniline	1.29	53.8	1.29	1		U
4,6-Dinitro-2-methylphenol	0.38	53.8	0.38	1		U
4-Bromophenyl phenyl ether	0.16	10.8	0.16	1		U
4-Chloro-3-methylphenol	0.09	21.5	0.09	1		U
4-Chloroaniline	0.11	21.5	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	10.8	0.13	1		U
4-Methylphenol	0.12	53.8	0.12	1		U
4-Nitroaniline	0.20	53.8	0.20	1		U
4-Nitrophenol	2.15	53.8	2.15	1		U
Acenaphthene	0.09	10.8	0.09	1		UJ
Acenaphthylene	0.11	10.8	0.11	1		UJ
Anthracene	0.15	10.8	0.15	1		UJ
Benzo[a]anthracene	0.09	10.8	0.570	1		FJ
Benzo[a]pyrene	0.16	10.8	0.16	1		UJ

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	930 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.54	10.8	0.54	1		UJ
Benzo[g,h,i]perylene	0.11	10.8	0.11	1		UJ
Benzo[k]fluoranthene	0.35	10.8	0.35	1		UJ
Benzoic acid	5.58	108	5.58	1		U
Benzyl alcohol	0.12	21.5	0.634	1		F
bis(2-Chloroethoxy)methane	0.11	10.8	0.11	1		U
bis(2-chloroethyl)ether	0.04	10.8	0.04	1		U
bis(2-chloroisopropyl)ether	1.29	10.8	1.29	1		U
bis(2-Ethylhexyl)phthalate	0.48	10.8	1.12	1		F
Butyl benzyl phthalate	0.17	10.8	0.17	1		U
Chrysene	0.09	10.8	0.09	1		UJ
Di-n-butyl phthalate	1.70	10.8	1.70	1		U
Di-n-octyl phthalate	0.19	10.8	0.19	1		U
Dibenz[a,h]anthracene	0.10	10.8	0.10	1		U
Dibenzofuran	0.15	10.8	0.15	1		U
Diethyl phthalate	0.14	10.8	0.14	1		U
Dimethyl phthalate	0.11	10.8	0.11	1		U
Fluoranthene	0.06	10.8	0.871	1		FJ
Fluorene	0.12	10.8	0.12	1		UJ
Hexachlorobenzene	0.12	10.8	0.12	1		U
Hexachlorobutadiene	1.29	10.8	1.29	1		U
Hexachloroethane	1.29	10.8	1.29	1		U
Indeno[1,2,3-cd]pyrene	0.10	10.8	0.10	1		UJ
Isophorone	0.13	10.8	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	10.8	0.16	1		U
N-Nitrosodiphenylamine	0.09	10.8	0.09	1		U
Naphthalene	0.06	10.8	0.06	1		UJ
Nitrobenzene	0.13	10.8	0.13	1		U
Pentachlorophenol	1.29	53.8	1.29	1		U
Phenanthrene	0.11	10.8	0.11	1		UJ
Phenol	0.10	10.8	0.10	1		U
Pyrene	0.08	10.8	0.925	1		FJ

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3104.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	930 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	91	42 - 124	
2-Fluorobiphenyl	57	48 - 120	
2-Fluorophenol	68	20 - 120	
Nitrobenzene-d5	83	41 - 120	
Phenol-d5	76	20 - 120	
Terphenyl-d14	47	51 - 135	*

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	213569	83942 - 335766	
Acenaphthene-d10	422527	177876 - 711502	
Chrysene-d12	455930	206816 - 827266	
Naphthalene-d8	772288	304342 - 1217366	
Perylene-d12	354526	180634 - 722538	
Phenanthrene-d10	673611	273040 - 1092162	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	920 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.11	10.9	0.11	1		U
1,2-Dichlorobenzene	0.08	10.9	0.08	1		U
1,3-Dichlorobenzene	0.07	10.9	0.07	1		U
1,4-Dichlorobenzene	0.08	10.9	0.08	1		U
2,4,5-Trichlorophenol	0.15	54.3	0.15	1		U
2,4,6-Trichlorophenol	0.11	10.9	0.11	1		U
2,4-Dichlorophenol	0.09	10.9	0.09	1		U
2,4-Dimethylphenol	0.27	10.9	0.27	1		U
2,4-Dinitrophenol	10.9	54.3	10.9	1		U
2,4-Dinitrotoluene	1.30	10.9	1.30	1		U
2,6-Dinitrotoluene	1.30	10.9	1.30	1		U
2-Chloronaphthalene	0.12	10.9	0.12	1		U
2-Chlorophenol	0.13	10.9	0.13	1		U
2-Methylnaphthalene	0.05	10.9	0.05	1		U
2-Methylphenol	0.08	10.9	0.08	1		U
2-Nitroaniline	1.30	54.3	1.30	1		U
2-Nitrophenol	0.08	10.9	0.08	1		U
3,3'-Dichlorobenzidine	1.30	21.7	1.30	1		U
3-Nitroaniline	1.30	54.3	1.30	1		U
4,6-Dinitro-2-methylphenol	0.38	54.3	0.38	1		U
4-Bromophenyl phenyl ether	0.16	10.9	0.16	1		U
4-Chloro-3-methylphenol	0.09	21.7	0.09	1		U
4-Chloroaniline	0.11	21.7	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	10.9	0.13	1		U
4-Methylphenol	0.12	54.3	0.12	1		U
4-Nitroaniline	0.21	54.3	0.21	1		U
4-Nitrophenol	2.17	54.3	2.17	1		U
Acenaphthene	0.09	10.9	0.09	1		U
Acenaphthylene	0.11	10.9	0.11	1		U
Anthracene	0.15	10.9	0.15	1		U
Benzo[a]anthracene	0.09	10.9	0.09	1		U
Benzo[a]pyrene	0.16	10.9	0.16	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	920 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.54	10.9	0.54	1		U
Benzo[g,h,i]perylene	0.11	10.9	0.11	1		U
Benzo[k]fluoranthene	0.36	10.9	0.36	1		U
Benzoic acid	5.64	109	5.64	1		U
Benzyl alcohol	0.12	21.7	0.12	1		U
bis(2-Chloroethoxy)methane	0.11	10.9	0.11	1		U
bis(2-chloroethyl)ether	0.04	10.9	0.04	1		U
bis(2-chloroisopropyl)ether	1.30	10.9	1.30	1		U
bis(2-Ethylhexyl)phthalate	0.49	10.9	1.04	1		F
Butyl benzyl phthalate	0.17	10.9	0.17	1		U
Chrysene	0.09	10.9	0.09	1		U
Di-n-butyl phthalate	1.72	10.9	1.72	1		U
Di-n-octyl phthalate	0.20	10.9	0.20	1		U
Dibenz[a,h]anthracene	0.10	10.9	0.10	1		U
Dibenzofuran	0.15	10.9	0.15	1		U
Diethyl phthalate	0.14	10.9	0.14	1		U
Dimethyl phthalate	0.11	10.9	0.11	1		U
Fluoranthene	0.07	10.9	0.07	1		U
Fluorene	0.12	10.9	0.12	1		U
Hexachlorobenzene	0.12	10.9	0.12	1		U
Hexachlorobutadiene	1.30	10.9	1.30	1		U
Hexachloroethane	1.30	10.9	1.30	1		U
Indeno[1,2,3-cd]pyrene	0.10	10.9	0.10	1		U
Isophorone	0.13	10.9	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	10.9	0.16	1		U
N-Nitrosodiphenylamine	0.09	10.9	0.09	1		U
Naphthalene	0.07	10.9	0.07	1		U
Nitrobenzene	0.13	10.9	0.13	1		U
Pentachlorophenol	1.30	54.3	1.30	1		U
Phenanthrene	0.11	10.9	0.11	1		U
Phenol	0.10	10.9	0.10	1		U
Pyrene	0.08	10.9	0.08	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3094.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	920 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	106	42 - 124	
2-Fluorobiphenyl	58	48 - 120	
2-Fluorophenol	32	20 - 120	
Nitrobenzene-d5	42	41 - 120	
Phenol-d5	53	20 - 120	
Terphenyl-d14	66	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	195206	83942 - 335766	
Acenaphthene-d10	382279	177876 - 711502	
Chrysene-d12	397961	284174 - 1136694	
Naphthalene-d8	711642	307518 - 1230074	
Perylene-d12	335223	257336 - 1029344	
Phenanthrene-d10	597469	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,2,4-Trichlorobenzene	0.11	11.0	0.11	1		U
1,2-Dichlorobenzene	0.08	11.0	0.08	1		U
1,3-Dichlorobenzene	0.07	11.0	0.07	1		U
1,4-Dichlorobenzene	0.08	11.0	0.08	1		U
2,4,5-Trichlorophenol	0.15	54.9	0.15	1		U
2,4,6-Trichlorophenol	0.11	11.0	0.11	1		U
2,4-Dichlorophenol	0.09	11.0	0.09	1		U
2,4-Dimethylphenol	0.27	11.0	0.27	1		U
2,4-Dinitrophenol	11.0	54.9	11.0	1		U
2,4-Dinitrotoluene	1.32	11.0	1.32	1		U
2,6-Dinitrotoluene	1.32	11.0	1.32	1		U
2-Chloronaphthalene	0.12	11.0	0.12	1		U
2-Chlorophenol	0.13	11.0	0.13	1		U
2-Methylnaphthalene	0.05	11.0	0.05	1		U
2-Methylphenol	0.08	11.0	0.08	1		U
2-Nitroaniline	1.32	54.9	1.32	1		U
2-Nitrophenol	0.08	11.0	0.08	1		U
3,3´-Dichlorobenzidine	1.32	22.0	1.32	1		U
3-Nitroaniline	1.32	54.9	1.32	1		U
4,6-Dinitro-2-methylphenol	0.38	54.9	0.38	1		U
4-Bromophenyl phenyl ether	0.16	11.0	0.16	1		U
4-Chloro-3-methylphenol	0.09	22.0	0.09	1		U
4-Chloroaniline	0.11	22.0	0.11	1		U
4-Chlorophenyl phenyl ether	0.13	11.0	0.13	1		U
4-Methylphenol	0.12	54.9	0.12	1		U
4-Nitroaniline	0.21	54.9	0.21	1		U
4-Nitrophenol	2.20	54.9	2.20	1		U
Acenaphthene	0.09	11.0	0.09	1		U
Acenaphthylene	0.11	11.0	0.11	1		U
Anthracene	0.15	11.0	0.15	1		U
Benzo[a]anthracene	0.09	11.0	0.09	1		U
Benzo[a]pyrene	0.16	11.0	0.16	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Benzo[b]fluoranthene	0.55	11.0	0.55	1		U
Benzo[g,h,i]perylene	0.11	11.0	0.11	1		U
Benzo[k]fluoranthene	0.36	11.0	0.36	1		U
Benzoic acid	5.70	110	5.70	1		U
Benzyl alcohol	0.12	22.0	0.12	1		U
bis(2-Chloroethoxy)methane	0.11	11.0	0.11	1		U
bis(2-chloroethyl)ether	0.04	11.0	0.04	1		U
bis(2-chloroisopropyl)ether	1.32	11.0	1.32	1		U
bis(2-Ethylhexyl)phthalate	0.49	11.0	0.49	1		U
Butyl benzyl phthalate	0.18	11.0	0.18	1		U
Chrysene	0.09	11.0	0.09	1		U
Di-n-butyl phthalate	1.74	11.0	1.74	1		U
Di-n-octyl phthalate	0.20	11.0	0.20	1		U
Dibenz[a,h]anthracene	0.10	11.0	0.10	1		U
Dibenzofuran	0.15	11.0	0.15	1		U
Diethyl phthalate	0.14	11.0	0.14	1		U
Dimethyl phthalate	0.11	11.0	0.11	1		U
Fluoranthene	0.07	11.0	0.07	1		U
Fluorene	0.12	11.0	0.12	1		U
Hexachlorobenzene	0.12	11.0	0.12	1		U
Hexachlorobutadiene	1.32	11.0	1.32	1		U
Hexachloroethane	1.32	11.0	1.32	1		U
Indeno[1,2,3-cd]pyrene	0.10	11.0	0.10	1		U
Isophorone	0.13	11.0	0.13	1		U
N-Nitroso-di-n-propylamine	0.16	11.0	0.16	1		U
N-Nitrosodiphenylamine	0.09	11.0	0.09	1		U
Naphthalene	0.07	11.0	0.07	1		U
Nitrobenzene	0.13	11.0	0.13	1		U
Pentachlorophenol	1.32	54.9	1.32	1		U
Phenanthrene	0.11	11.0	0.11	1		U
Phenol	0.10	11.0	0.10	1		U
Pyrene	0.08	11.0	0.08	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8270C	**Preparatory Method:**	SW3520C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1089	**File ID:**	K3095.D
Date Received:	19-Oct-07	**Date Extracted:**	22-Oct-07	**Date Analyzed:**	26-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	910 mL

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	93	42 - 124	
2-Fluorobiphenyl	83	48 - 120	
2-Fluorophenol	76	20 - 120	
Nitrobenzene-d5	91	41 - 120	
Phenol-d5	83	20 - 120	
Terphenyl-d14	106	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	188518	83942 - 335766	
Acenaphthene-d10	370192	177876 - 711502	
Chrysene-d12	405666	284174 - 1136694	
Naphthalene-d8	684860	307518 - 1230074	
Perylene-d12	321332	257336 - 1029344	
Phenanthrene-d10	590494	311576 - 1246306	

Comments:

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001B
TMCSW0101BB	0710131-001BMS
TMCSW0101BB	0710131-001BMSD
TMCSW0201BB	0710131-002B
TMCSW0301BB	0710131-003B
TMCSW0401BB	0710131-004B
TMCSW0501BB	0710131-005B
TMCSW0601BB	0710131-006B
TMCSW0701BB	0710131-007B
TMCSW0801BB	0710131-008B
101807BE	0710131-009B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/29/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.059	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	120	1	M
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.15	1	F
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	16	1	
Manganese	0.0015	0.010	0.10	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0051	1	F
Potassium	0.068	1.0	2.4	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	160	1	M
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00088	1	F
Zinc	0.0040	0.020	0.044	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.0400	0.200	0.928	1	
Antimony	0.00152	0.0500	0.199	1	
Arsenic	0.00400	0.0300	0.185	1	
Barium	0.000540	0.0500	0.237	1	
Beryllium	0.000100	0.00400	0.183	1	
Cadmium	0.000420	0.00500	0.175	1	
Calcium	0.0400	1.10	132	1	M
Chromium	0.00144	0.0100	0.180	1	
Cobalt	0.00600	0.0600	0.174	1	
Copper	0.00188	0.0100	0.189	1	
Iron	0.00500	0.200	1.01	1	
Lead	0.00400	0.0250	0.182	1	
Magnesium	0.0400	1.00	24.4	1	
Manganese	0.00150	0.0100	0.283	1	
Molybdenum	0.00292	0.0150	0.188	1	
Nickel	0.00112	0.0200	0.179	1	
Potassium	0.0676	1.00	12.1	1	
Selenium	0.00264	0.0300	0.181	1	
Silver	0.000900	0.0100	0.0480	1	
Sodium	0.0400	1.00	166	1	
Thallium	0.00587	0.0800	0.175	1	
Vanadium	0.000660	0.0100	0.184	1	
Zinc	0.00400	0.0200	0.214	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.0400	0.200	0.925	1	
Antimony	0.00152	0.0500	0.199	1	
Arsenic	0.00400	0.0300	0.185	1	
Barium	0.000540	0.0500	0.237	1	
Beryllium	0.000100	0.00400	0.184	1	
Cadmium	0.000420	0.00500	0.175	1	
Calcium	0.0400	1.10	128	1	M
Chromium	0.00144	0.0100	0.181	1	
Cobalt	0.00600	0.0600	0.174	1	
Copper	0.00188	0.0100	0.189	1	
Iron	0.00500	0.200	1.06	1	
Lead	0.00400	0.0250	0.184	1	
Magnesium	0.0400	1.00	24.0	1	
Manganese	0.00150	0.0100	0.281	1	
Molybdenum	0.00292	0.0150	0.188	1	
Nickel	0.00112	0.0200	0.179	1	
Potassium	0.0676	1.00	12.2	1	
Selenium	0.00264	0.0300	0.183	1	
Silver	0.000900	0.0100	0.0481	1	
Sodium	0.0400	1.00	162	1	M
Thallium	0.00587	0.0800	0.176	1	
Vanadium	0.000660	0.0100	0.185	1	
Zinc	0.00400	0.0200	0.216	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0016	1	F
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.055	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	110	1	
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.27	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	18	1	
Manganese	0.0015	0.010	0.25	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	2.1	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	110	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00095	1	F
Zinc	0.0040	0.020	0.052	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.050	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.21	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	100	1	
Chromium	0.0014	0.010	0.0019	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.30	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	22	1	
Manganese	0.0015	0.010	0.40	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0018	1	F
Potassium	0.068	1.0	2.0	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	86	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0011	1	F
Zinc	0.0040	0.020	0.064	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.061	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.19	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	84	1	
Chromium	0.0014	0.010	0.0019	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.27	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	21	1	
Manganese	0.0015	0.010	0.23	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.8	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	68	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0010	1	F
Zinc	0.0040	0.020	0.067	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.083	1	F
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.18	1	
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	80	1	
Chromium	0.0014	0.010	0.0017	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.31	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	20	1	
Manganese	0.0015	0.010	0.13	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.7	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	64	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.0013	1	F
Zinc	0.0040	0.020	0.055	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.047	1	F
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	120	1	
Chromium	0.0014	0.010	0.0015	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.23	1	
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	21	1	
Manganese	0.0015	0.010	0.22	1	
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	1.5	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	100	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00071	1	F
Zinc	0.0040	0.020	0.047	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	7.7	1	
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0085	1	F
Barium	0.00054	0.050	0.20	1	
Beryllium	0.00010	0.0040	0.00041	1	F
Cadmium	0.00042	0.0050	0.00046	1	F
Calcium	0.040	1.1	340	1	
Chromium	0.0014	0.010	0.016	1	
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.056	1	
Iron	0.0050	0.20	24	1	
Lead	0.0040	0.025	0.028	1	
Magnesium	0.040	1.0	26	1	
Manganese	0.0015	0.010	3.4	1	
Molybdenum	0.0029	0.015	0.015	1	
Nickel	0.0011	0.020	0.020	1	
Potassium	0.068	1.0	4.8	1	
Selenium	0.0026	0.030	0.0034	1	F
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	11	1	
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.045	1	
Zinc	0.0040	0.020	0.21	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	4.9	1	
Antimony	0.0015	0.050	0.0021	1	F
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.053	1	
Beryllium	0.00010	0.0040	0.00018	1	F
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	18	1	
Chromium	0.0014	0.010	0.0048	1	F
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.019	1	
Iron	0.0050	0.20	4.9	1	
Lead	0.0040	0.025	0.012	1	F
Magnesium	0.040	1.0	3.5	1	
Manganese	0.0015	0.010	0.15	1	
Molybdenum	0.0029	0.015	0.0038	1	F
Nickel	0.0011	0.020	0.0064	1	F
Potassium	0.068	1.0	7.7	1	
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	0.71	1	F
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.012	1	
Zinc	0.0040	0.020	0.099	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW6010B	**Preparatory Method:**	SW3005A	**AAB #:**	6442
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1095		
Date Received:	19-Oct-07	**Date Prepared:**	24-Oct-07	**Date Analyzed:**	26-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.040	0.20	0.040	1	U
Antimony	0.0015	0.050	0.0015	1	U
Arsenic	0.0040	0.030	0.0040	1	U
Barium	0.00054	0.050	0.00054	1	U
Beryllium	0.00010	0.0040	0.00010	1	U
Cadmium	0.00042	0.0050	0.00042	1	U
Calcium	0.040	1.1	0.040	1	U
Chromium	0.0014	0.010	0.0014	1	U
Cobalt	0.0060	0.060	0.0060	1	U
Copper	0.0019	0.010	0.0019	1	U
Iron	0.0050	0.20	0.0050	1	U
Lead	0.0040	0.025	0.0040	1	U
Magnesium	0.040	1.0	0.040	1	U
Manganese	0.0015	0.010	0.0015	1	U
Molybdenum	0.0029	0.015	0.0029	1	U
Nickel	0.0011	0.020	0.0011	1	U
Potassium	0.068	1.0	0.068	1	U
Selenium	0.0026	0.030	0.0026	1	U
Silver	0.00090	0.010	0.00090	1	U
Sodium	0.040	1.0	0.095	1	F
Thallium	0.0059	0.080	0.0059	1	U
Vanadium	0.00066	0.010	0.00066	1	U
Zinc	0.0040	0.020	0.029	1	

Comments

AFCEE
INORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001B
TMCSW0201BB	0710131-002B
TMCSW0201BB	0710131-002BMS
TMCSW0201BB	0710131-002BMSD
TMCSW0301BB	0710131-003B
TMCSW0401BB	0710131-004B
TMCSW0501BB	0710131-005B
TMCSW0601BB	0710131-006B
TMCSW0701BB	0710131-007B
TMCSW0801BB	0710131-008B
101807BE	0710131-009B

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 11/6/07 Title: Project Manager

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0000260	0.00100	0.00200	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.0000260	0.00100	0.00203	1	

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	**U**

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	**U**

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	U

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000093	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000069	1	F

Comments

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW7470A	**Preparatory Method:**	SW7470A	**AAB #:**	6473
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1102		
Date Received:	19-Oct-07	**Date Prepared:**	29-Oct-07	**Date Analyzed:**	30-Oct-07

Concentration Units (mg/L or mg/kg dry weight): mg/L

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000026	0.0010	0.000026	1	**U**

Comments

Quality Control Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5970 GCMS#2

Date of Initial Calibration: 9-OCT-07

Initial Calibration ID: 1078

Concentration Units (ug/L or mg/kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

ICAL # 1078

Response Factor Report #2MS12

Method : C:\HPCHEM\1\METHODS\MO09VOCW.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Wed Oct 10 06:35:15 2007
Response via : Initial Calibration

Calibration Files
0.3 =M2775.D 0.5 =M2776.D 2.0 =M2777.D
10 =M2778.D 20 =M2779.D 30 =M2780.D

		Compound	0.3	0.5	2.0	10	20	30	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.773	0.678	0.742	0.925	0.923	0.911	0.838	12.41
3)	P	Chloromethane	0.378	0.300	0.266	0.293	0.291	0.300	0.306	11.42
4)	CP	Vinyl chloride	0.231	0.176	0.220	0.283	0.225	0.285	0.244	17.42
5)		Bromomethane	0.184	0.219	0.186	0.261	0.278	0.294	0.248	20.94
6)		Chloroethane	0.143	0.133	0.141	0.172	0.178	0.174	0.159	12.20
7)		Trichlorofluorometh	0.687	0.711	0.677	0.882	0.879	0.862	0.794	12.16
8)		Acetone	0.042	0.043	0.031	0.037	0.035	0.033	0.036#	13.51
9)		Acrolein	0.006	0.010	0.010	0.014	0.014	0.015	0.012#	26.39
10)	CPM	1,1-Dichloroethene	0.231	0.221	0.224	0.276	0.281	0.278	0.256	11.08
11)		Methyl iodide	0.270	0.342	0.375	0.542	0.588	0.595	0.473	29.46
12)		1,1,2-Trichloro-1,2	0.647	0.582	0.578	0.751	0.743	0.727	0.678	11.02
13)		Methyl acetate	0.140	0.143	0.107	0.113	0.108	0.119	0.121	12.14
14)		Acrylonitrile	0.026	0.024	0.026	0.029	0.030	0.030	0.028#	9.02
15)		Methylene chloride	0.362	0.326	0.302	0.324	0.307	0.318	0.322	6.12
16)		Carbon disulfide	0.615	0.482	0.544	0.807	0.833	0.856	0.715	22.76
17)		trans-1,2-Dichloroe	0.332	0.289	0.286	0.350	0.351	0.342	0.328	8.78
18)		Methyl tert-Butyl e	0.443	0.424	0.429	0.473	0.462	0.475	0.453	4.62
19)	P	1,1-Dichloroethane	0.632	0.652	0.664	0.780	0.790	0.783	0.725	9.88
20)		Vinyl acetate	0.302	0.283	0.296	0.388	0.405	0.416	0.362	18.28
21)		2-Butanone	0.063	0.055	0.053	0.064	0.072	0.071	0.064	11.62
22)		cis-1,2-Dichloroeth	0.347	0.319	0.328	0.378	0.383	0.370	0.356	7.13
23)		Bromochloromethane	0.186	0.167	0.168	0.192	0.193	0.190	0.183	6.02
24)	CP	Chloroform	0.788	0.764	0.776	0.893	0.900	0.885	0.838	7.16
25)		2,2-Dichloropropane	0.428	0.449	0.416	0.568	0.584	0.588	0.519	16.10
26)		Cyclohexane	0.420	0.411	0.392	0.499	0.481	0.463	0.447	8.84
27)	S	Dibromofluoromethan	0.669	0.651	0.658	0.748	0.748	0.732	0.704	6.14
28)	S	1,2-Dichloroethane-	0.354	0.338	0.336	0.345	0.338	0.330	0.337	3.50
29)		1,2-Dichloroethane	0.386	0.385	0.370	0.398	0.398	0.403	0.391	2.91
30)		1,1,1-Trichloroetha	0.531	0.544	0.574	0.736	0.746	0.748	0.661	15.85
31)		1,1-Dichloropropene	0.462	0.448	0.477	0.562	0.562	0.553	0.517	9.94
32)		Carbon tetrachlorid	0.487	0.468	0.524	0.709	0.730	0.732	0.625	19.99
33)	M	Benzene	0.887	0.850	0.836	0.969	0.952	0.943	0.909	5.73
34)	M	Trichloroethene	0.449	0.437	0.420	0.513	0.504	0.491	0.470	7.58
35)		Dibromomethane	0.294	0.316	0.323	0.348	0.352	0.338	0.329	6.08
36)		Methylcyclohexane	0.363	0.333	0.345	0.438	0.435	0.427	0.395	11.69
37)	CP	1,2-Dichloropropane	0.339	0.355	0.357	0.397	0.396	0.386	0.373	6.20
38)		Bromodichloromethan	0.574	0.580	0.688	0.919	0.947	0.928	0.793	21.71
39)		2-Chloroethylvinyl	0.096	0.085	0.090	0.104	0.103	0.100	0.097	7.25
40)		4-Methyl-2-pentanon	0.186	0.170	0.191	0.222	0.230	0.232	0.208	12.08
41)		cis-1,3-Dichloropro	0.284	0.298	0.338	0.465	0.503	0.515	0.418	25.69
42)	S	Toluene-d8	0.759	0.766	0.782	0.924	0.909	0.897	0.845	8.63
43)	CPM	Toluene	0.485	0.502	0.524	0.600	0.585	0.587	0.551	8.41

(#) = Out of Range ### Number of calibration levels exceeded format ###

10-10-07

Response Factor Report #2MS12

Method : C:\HPCHEM\1\METHODS\MO09VOCW.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Wed Oct 10 06:35:15 2007
Response via : Initial Calibration

Calibration Files
0.3 =M2775.D 0.5 =M2776.D 2.0 =M2777.D
10 =M2778.D 20 =M2779.D 30 =M2780.D

		Compound	0.3	0.5	2.0	10	20	30	Avg	%RSD
44)		trans-1,3-Dichlorop	0.180	0.197	0.230	0.322	0.360	0.374	0.293	30.14
45)		1,1,2-Trichloroetha	0.227	0.212	0.219	0.258	0.256	0.253	0.238	7.95
46)		2-Hexanone	0.090	0.082	0.101	0.123	0.129	0.132	0.112	18.62
47)	I	Chlorobenzene-d5	ISTD							
48)		1,2-Dibromoethane	0.601	0.563	0.561	0.667	0.641	0.701	0.631	8.97
49)		1,3-Dichloropropane	0.651	0.657	0.640	0.703	0.676	0.722	0.678	4.49
50)		Dibromochloromethan	0.576	0.555	0.729	0.989	0.976	1.072	0.850	26.42
51)		Tetrachloroethene	0.836	0.717	0.761	0.881	0.804	0.860	0.814	7.11
52)		1-Chlorohexane	0.532	0.487	0.520	0.646	0.629	0.677	0.595	13.30
53)		1,1,1,2-Tetrachloro	0.542	0.562	0.603	0.712	0.673	0.722	0.646	11.76
54)	PM	Chlorobenzene	1.302	1.172	1.125	1.247	1.145	1.205	1.193	5.29
55)	CP	Ethylbenzene	1.653	1.830	1.681	1.919	1.792	1.839	1.776	5.41
56)		(m+p)-Xylene	0.611	0.626	0.619	0.693	0.653	0.675	0.648	4.74
57)		o-Xylene	0.588	0.566	0.620	0.729	0.688	0.732	0.662	10.55
58)		Styrene	0.798	0.887	0.924	1.115	1.033	1.098	0.985	11.96
59)	P	Bromoform	0.277	0.253	0.336	0.512	0.525	0.582	0.437	32.80
1)	S	Bromofluorobenzene	1.437	1.213	1.147	1.219	1.152	1.191	1.217	8.32
61)	I	1,4-Dichlorobenzene-d	ISTD							
62)		trans-1,4-Dichloro-			0.025	0.036	0.047	0.047	0.043#	31.56
63)	P	1,1,2,2-Tetrachloro	0.951	0.896	0.915	0.997	1.005	1.061	0.981	6.32
64)		Isopropylbenzene	2.291	2.372	2.465	2.920	2.920	2.880	2.673	10.59
65)		1,2,3-Trichloroprop	0.485	0.556	0.544	0.518	0.501	0.559	0.532	5.73
66)		Bromobenzene	0.794	0.910	0.949	0.993	0.991	0.983	0.942	7.58
67)		n-Propylbenzene	2.873	3.333	3.433	3.809	3.812	3.883	3.544	10.17
68)		2-Chlorotoluene	2.296	3.160	2.915	2.876	2.764	3.008	2.844	9.54
69)		4-Chlorotoluene	2.603	2.993	2.580	2.843	2.884	2.606	2.717	6.82
70)		1,3,5-Trimethylbenz	1.761	1.774	2.019	2.278	2.287	2.308	2.099	11.74
71)		tert-Butylbenzene	1.818	1.884	2.018	2.308	2.350	2.318	2.137	10.53
72)		1,2,4-Trimethylbenz	1.565	1.717	1.774	2.077	2.141	2.133	1.925	12.15
73)		sec-Butylbenzene	2.563	2.679	2.827	3.329	3.384	3.353	3.047	11.42
74)		1,3-Dichlorobenzene	1.645	1.647	1.571	1.713	1.720	1.693	1.666	3.08
75)		p-Isopropyltoluene	1.627	1.860	2.004	2.381	2.476	2.464	2.173	15.68
76)		1,4-Dichlorobenzene	1.511	1.373	1.372	1.515	1.555	1.536	1.483	5.20
77)		n-Butylbenzene	1.769	1.708	1.838	2.267	2.359	2.343	2.084	14.20
78)		1,2-Dichlorobenzene	1.346	1.342	1.395	1.522	1.548	1.505	1.446	5.87
79)		1,2-Dibromo-3-chlor	0.113	0.130	0.142	0.203	0.231	0.244	0.186	30.12
80)		1,2,4-Trichlorobenz	1.082	0.959	0.883	0.998	1.042	1.080	1.012	7.07
81)		Hexachlorobutadiene	0.717	0.754	0.753	0.872	0.868	0.879	0.815	8.57
82)		Naphthalene	1.106	0.945	0.877	0.856	0.892	0.948	0.931	9.06
83)		1,2,3-Trichlorobenz	0.877	0.710	0.725	0.784	0.834	0.852	0.800	7.92

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #2MS12

Method : C:\HPCHEM\1\METHODS\MO09VOCW.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Wed Oct 10 06:59:05 2007
Response via : Initial Calibration

Calibration Files
40 =M2781.D = =
= = =

		Compound	40	Avg	%RSD
1)	I	Fluorobenzene	ISTD		
2)		Dichlorodifluoromet	0.914		
3)	P	Chloromethane	0.311		
4)	CP	Vinyl chloride	0.287		
5)		Bromomethane	0.313		
6)		Chloroethane	0.173		
7)		Trichlorofluorometh	0.860		
8)		Acetone	0.032		
9)		Acrolein	0.014		
10)	CPM	1,1-Dichloroethene	0.278		
11)		Methyl iodide	0.599		
12)		1,1,2-Trichloro-1,2	0.715		
13)		Methyl acetate	0.116		
14)		Acrylonitrile	0.030		
15)		Methylene chloride	0.313		
16)		Carbon disulfide	0.867		
7)		trans-1,2-Dichloroe	0.349		
8)		Methyl tert-Butyl e	0.466		
19)	P	1,1-Dichloroethane	0.775		
20)		Vinyl acetate	0.444		
21)		2-Butanone	0.069		
22)		cis-1,2-Dichloroeth	0.368		
23)		Bromochloromethane	0.186		
24)	CP	Chloroform	0.865		
25)		2,2-Dichloropropane	0.601		
26)		Cyclohexane	0.461		
27)	S	Dibromofluoromethan	0.725		
28)	S	1,2-Dichloroethane-	0.316		
29)		1,2-Dichloroethane	0.396		
30)		1,1,1-Trichloroetha	0.748		
31)		1,1-Dichloropropene	0.551		
32)		Carbon tetrachlorid	0.726		
33)	M	Benzene	0.928		
34)	M	Trichloroethene	0.478		
35)		Dibromomethane	0.334		
36)		Methylcyclohexane	0.426		
37)	CP	1,2-Dichloropropane	0.385		
38)		Bromodichloromethan	0.917		
39)		2-Chloroethylvinyl	0.098		
40)		4-Methyl-2-pentanon	0.225		
41)		cis-1,3-Dichloropro	0.527		
42)	S	Toluene-d8	0.881		
3)	CPM	Toluene	0.574		

(#) = Out of Range ### Number of calibration levels exceeded format ##"

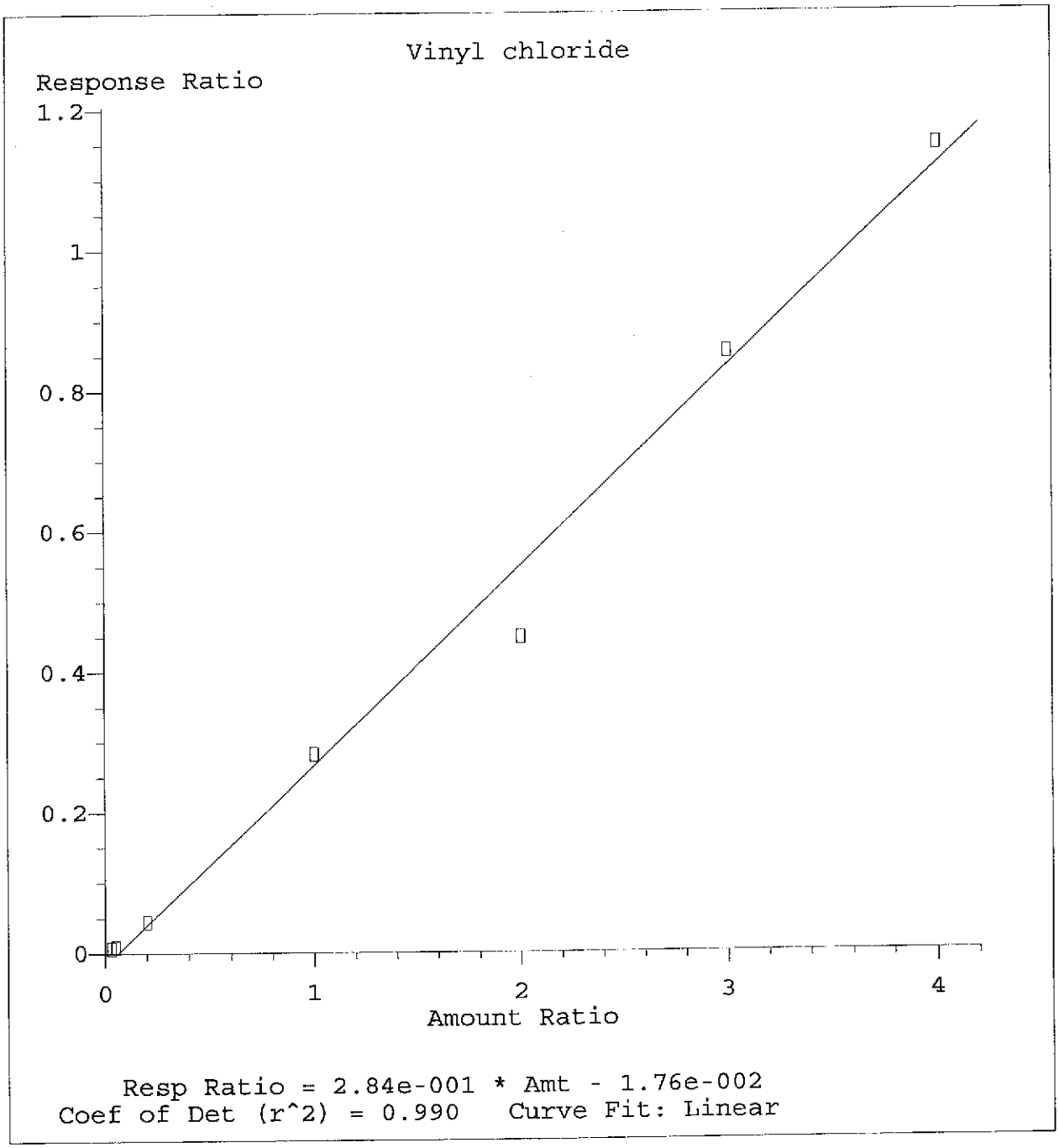
Response Factor Report #2MS12

Method : C:\HPCHEM\1\METHODS\MO09VOCW.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Wed Oct 10 06:59:05 2007
Response via : Initial Calibration

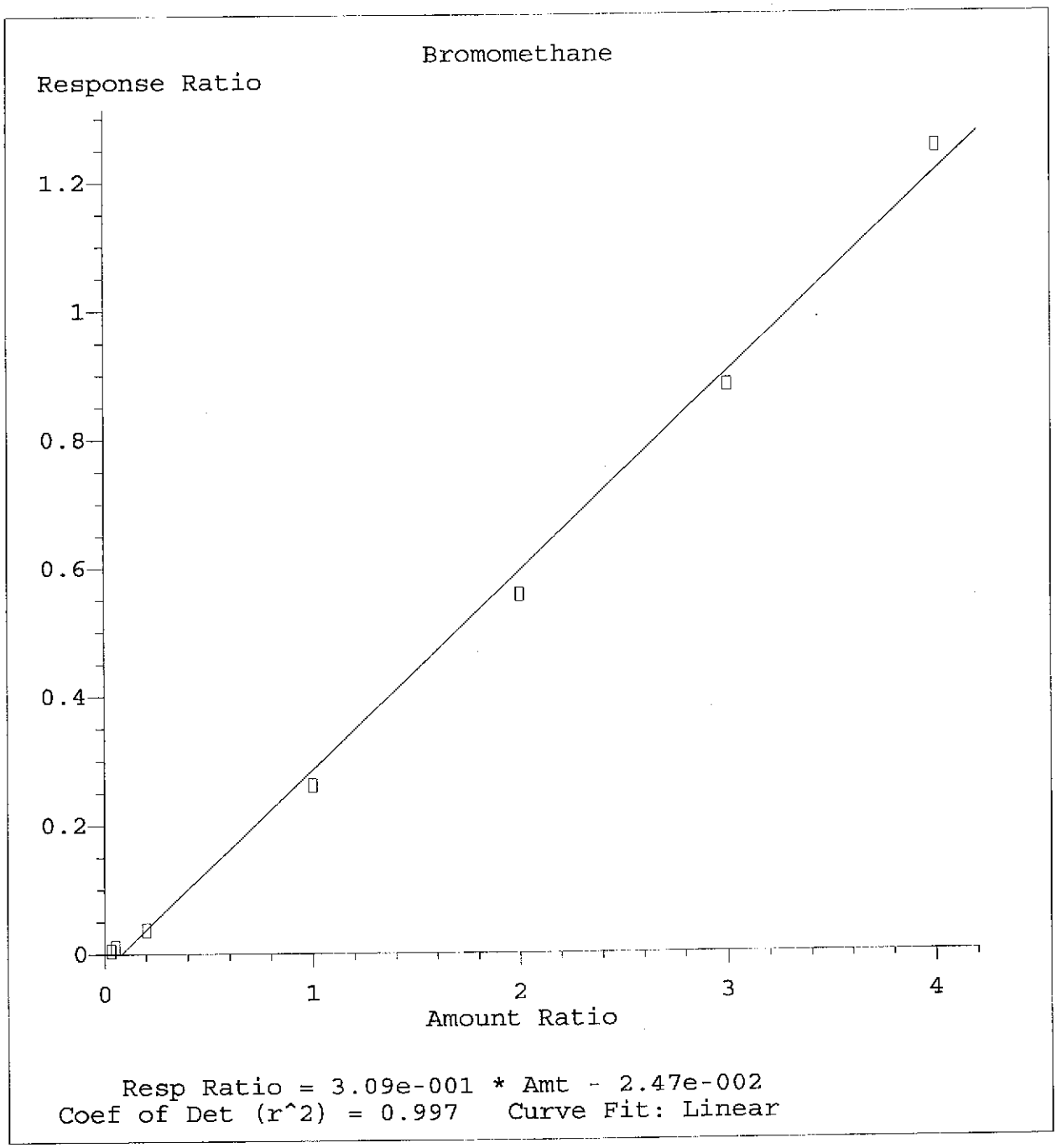
Calibration Files
40 =M2781.D = =
= = =

		Compound	40	Avg	%RSD
44)		trans-1,3-Dichlorop	0.386		
45)		1,1,2-Trichloroetha	0.243		
46)		2-Hexanone	0.129		
47)	I	Chlorobenzene-d5	----------ISTD----------		
48)		1,2-Dibromoethane	0.680		
49)		1,3-Dichloropropane	0.696		
50)		Dibromochloromethan	1.054		
51)		Tetrachloroethene	0.839		
52)		1-Chlorohexane	0.672		
53)		1,1,1,2-Tetrachloro	0.711		
54)	PM	Chlorobenzene	1.153		
55)	CP	Ethylbenzene	1.715		
56)		(m+p)-Xylene	0.658		
57)		o-Xylene	0.714		
58)		Styrene	1.039		
59)	P	Bromoform	0.576		
60)	S	Bromofluorobenzene	1.160		
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------		
62)		trans-1,4-Dichloro-	0.062		
63)	P	1,1,2,2-Tetrachloro	1.040		
64)		Isopropylbenzene	2.861		
65)		1,2,3-Trichloroprop	0.559		
66)		Bromobenzene	0.973		
67)		n-Propylbenzene	3.668		
68)		2-Chlorotoluene	2.887		
69)		4-Chlorotoluene	2.512		
70)		1,3,5-Trimethylbenz	2.263		
71)		tert-Butylbenzene	2.265		
72)		1,2,4-Trimethylbenz	2.065		
73)		sec-Butylbenzene	3.192		
74)		1,3-Dichlorobenzene	1.670		
75)		p-Isopropyltoluene	2.402		
76)		1,4-Dichlorobenzene	1.519		
77)		n-Butylbenzene	2.303		
78)		1,2-Dichlorobenzene	1.461		
79)		1,2-Dibromo-3-chlor	0.239		
80)		1,2,4-Trichlorobenz	1.039		
81)		Hexachlorobutadiene	0.861		
82)		Naphthalene	0.892		
83)		1,2,3-Trichlorobenz	0.818		

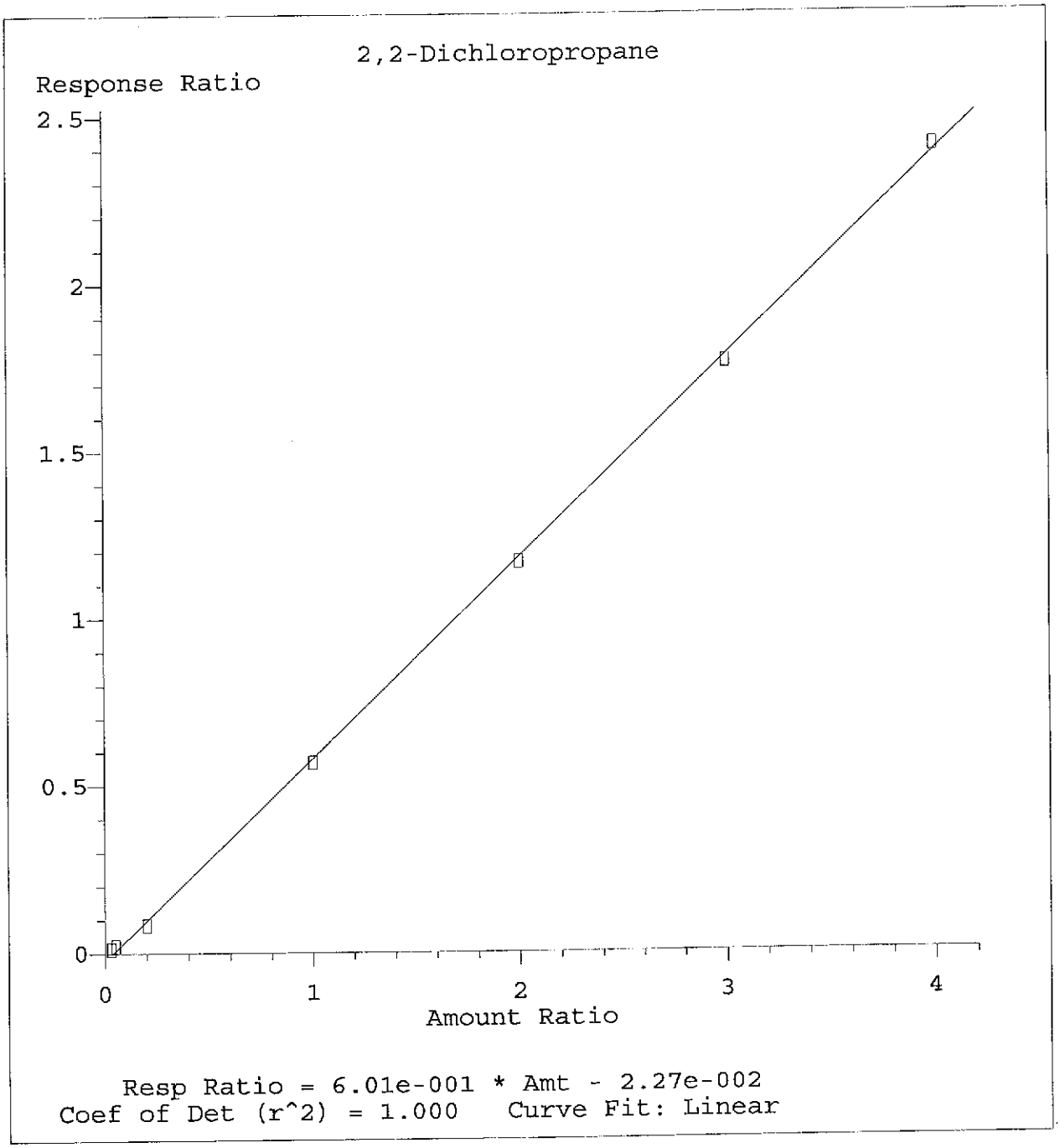
(#) = Out of Range ### Number of calibration levels exceeded format ##"



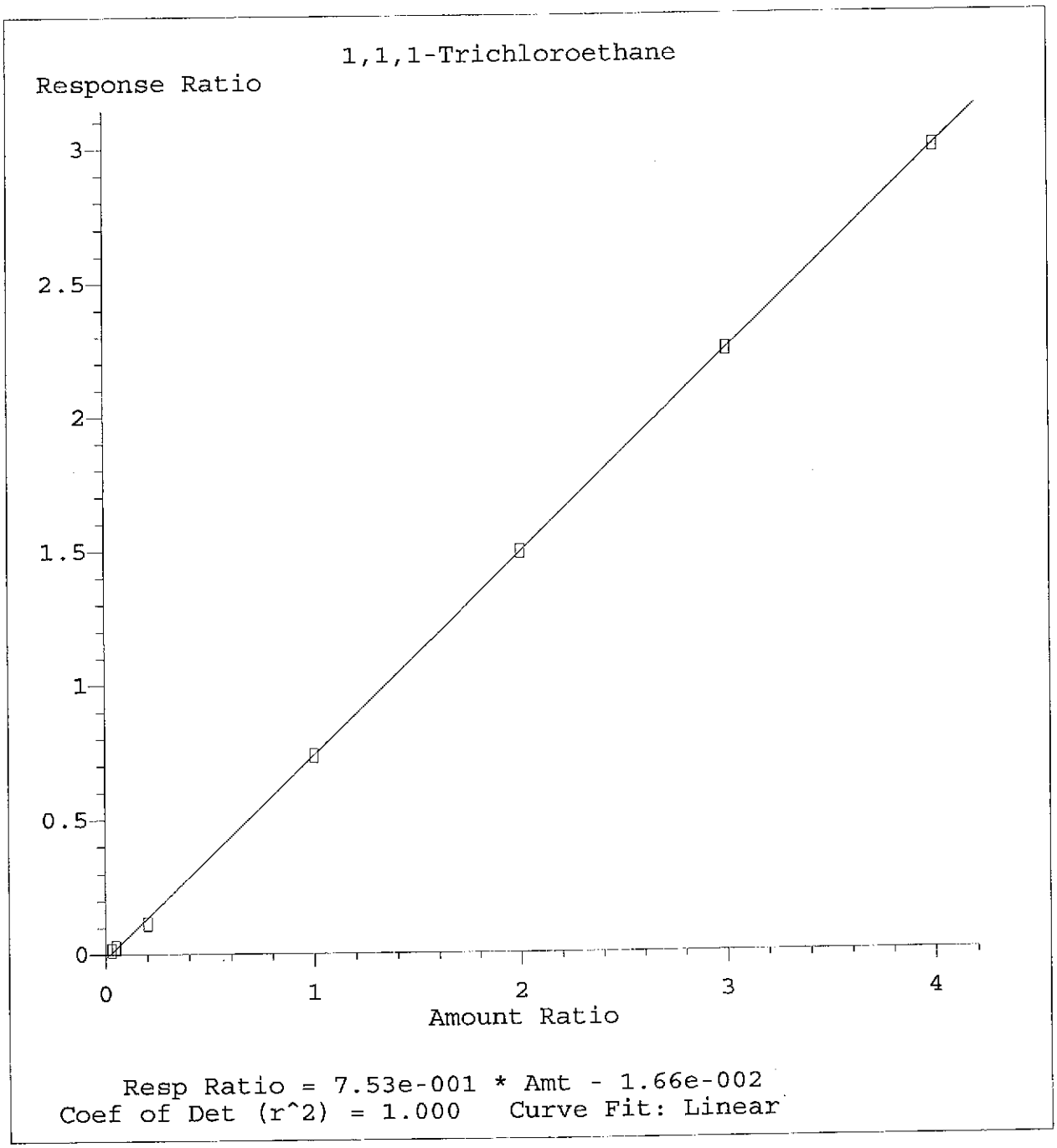
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:38:29 2007



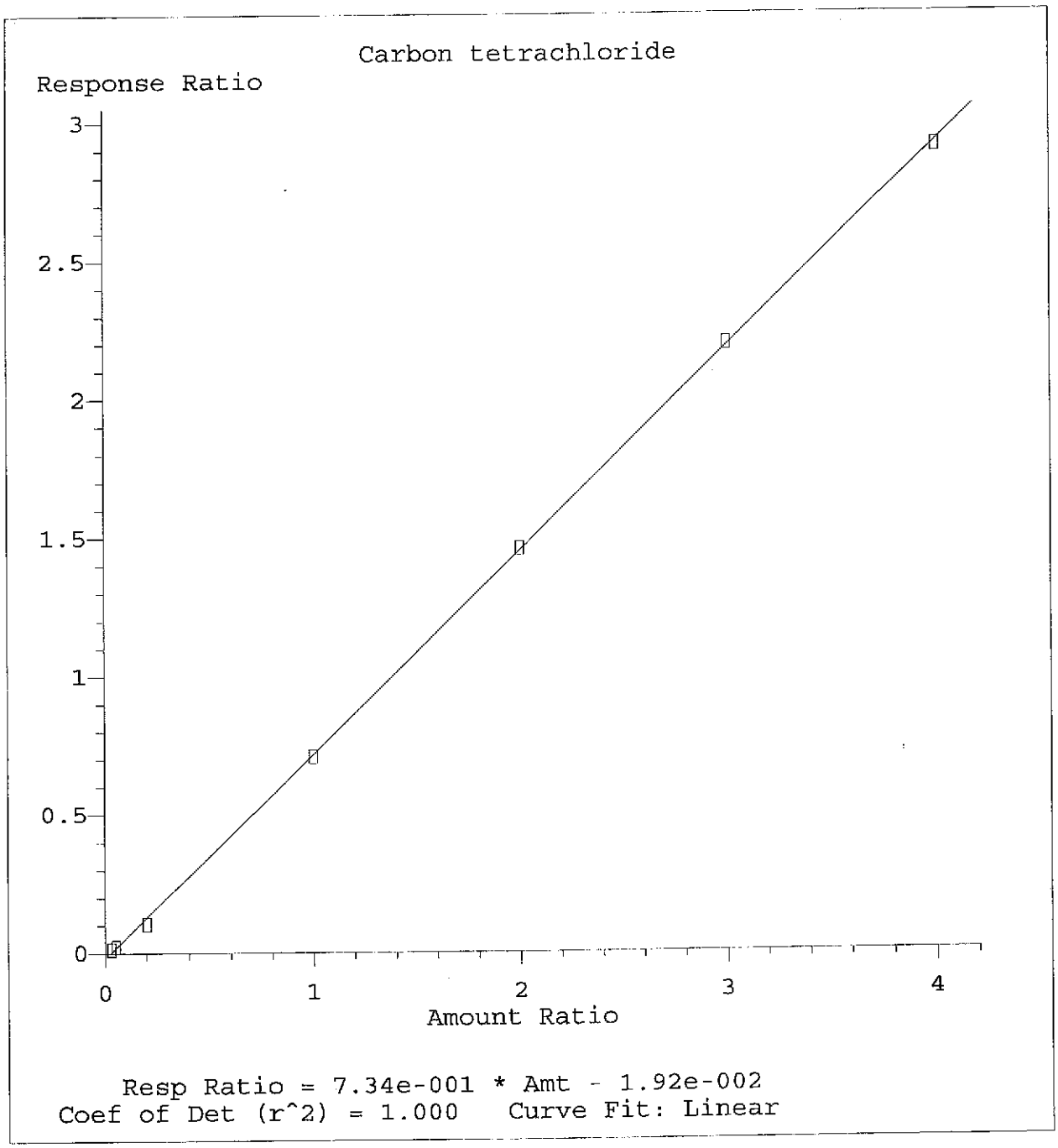
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:38:29 2007



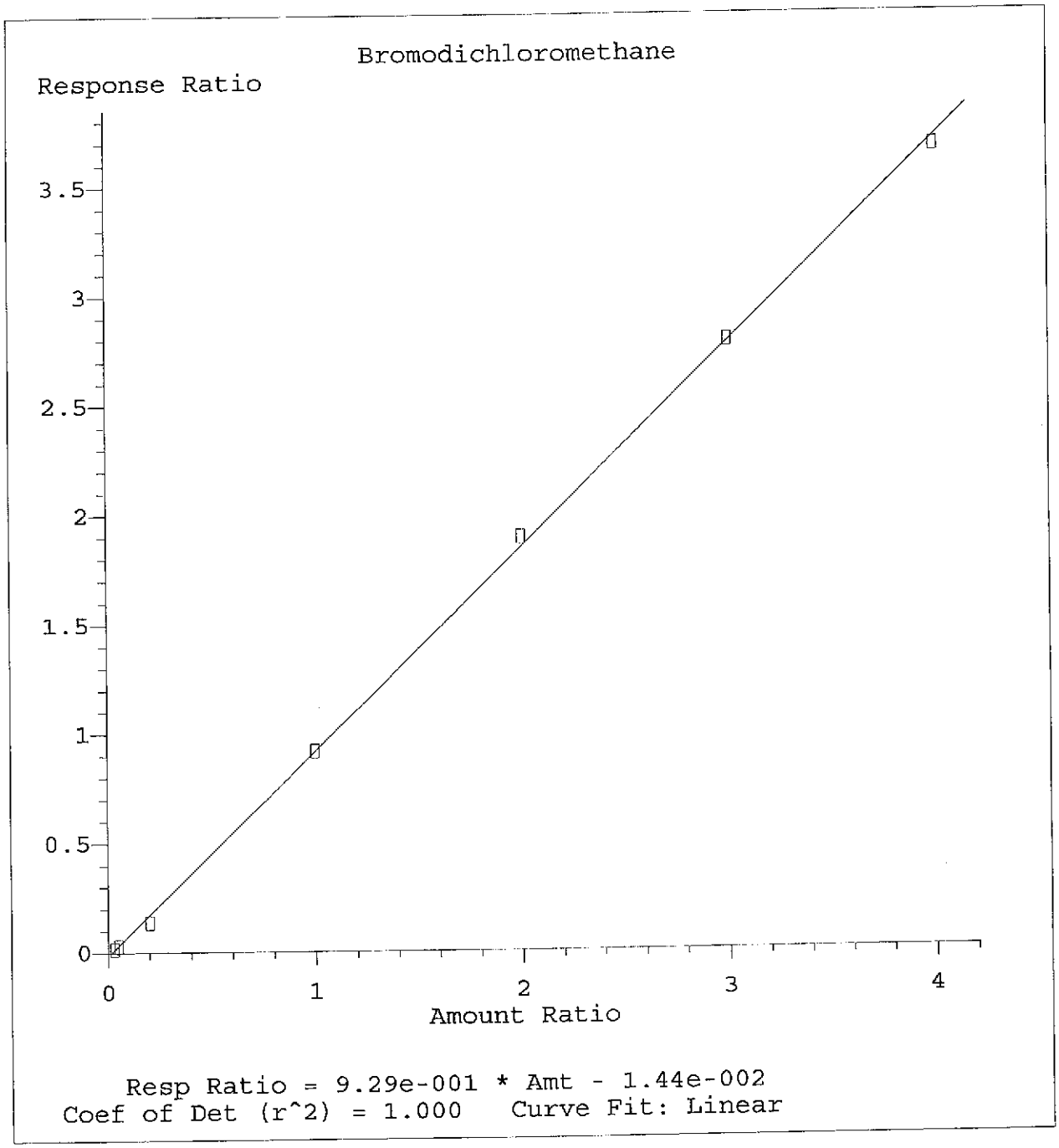
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:52:52 2007



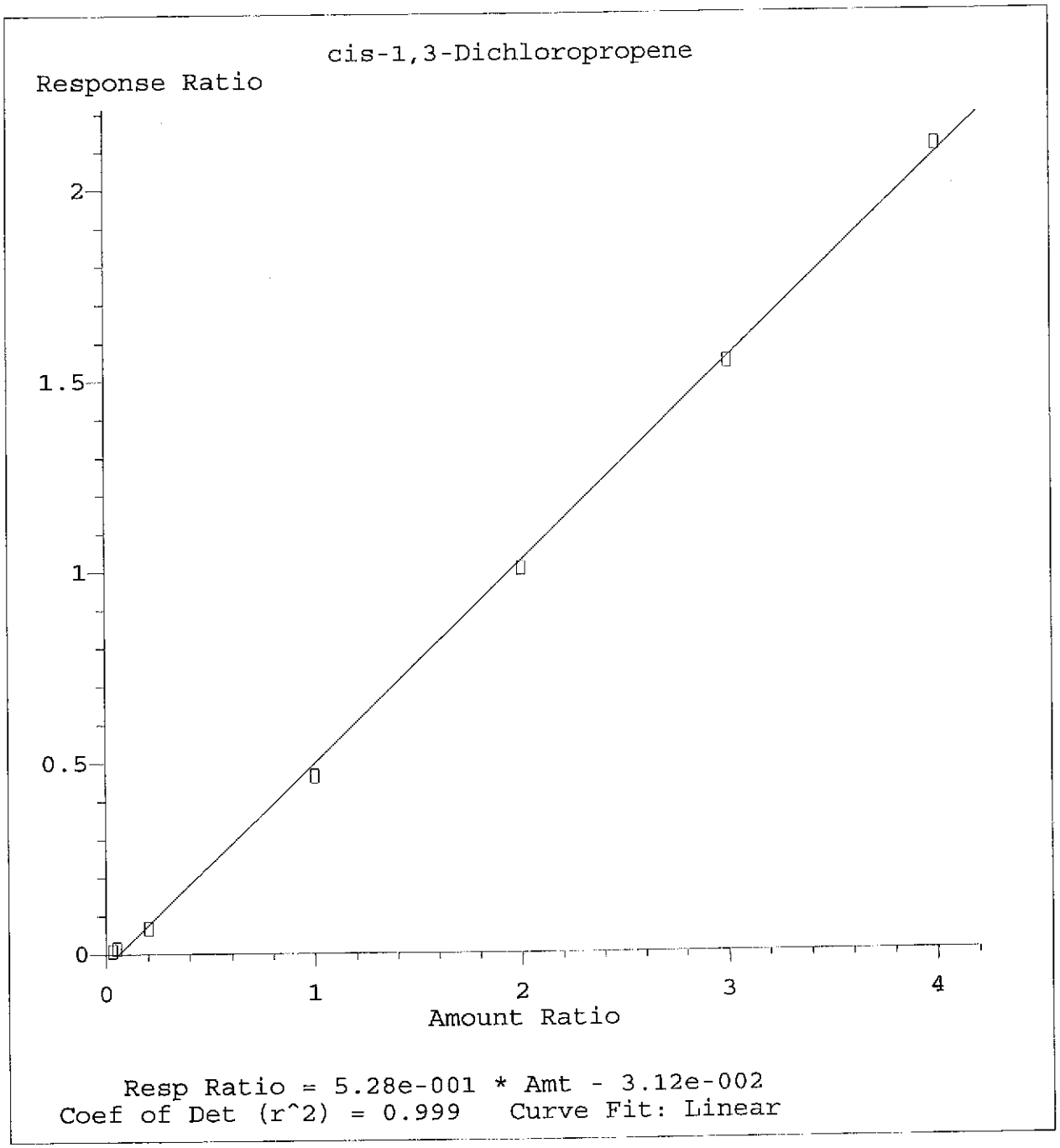
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:53:11 2007



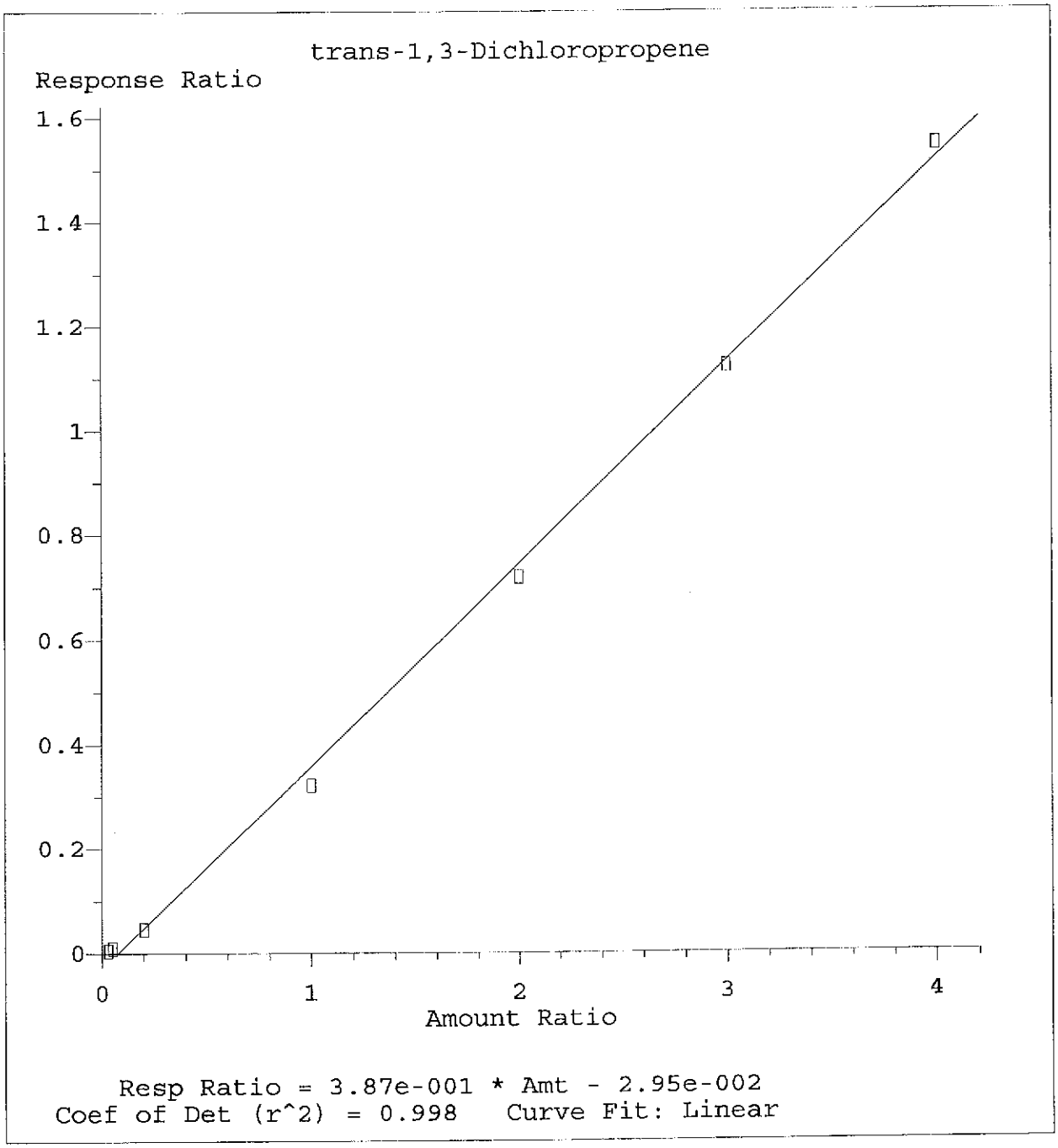
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:53:26 2007



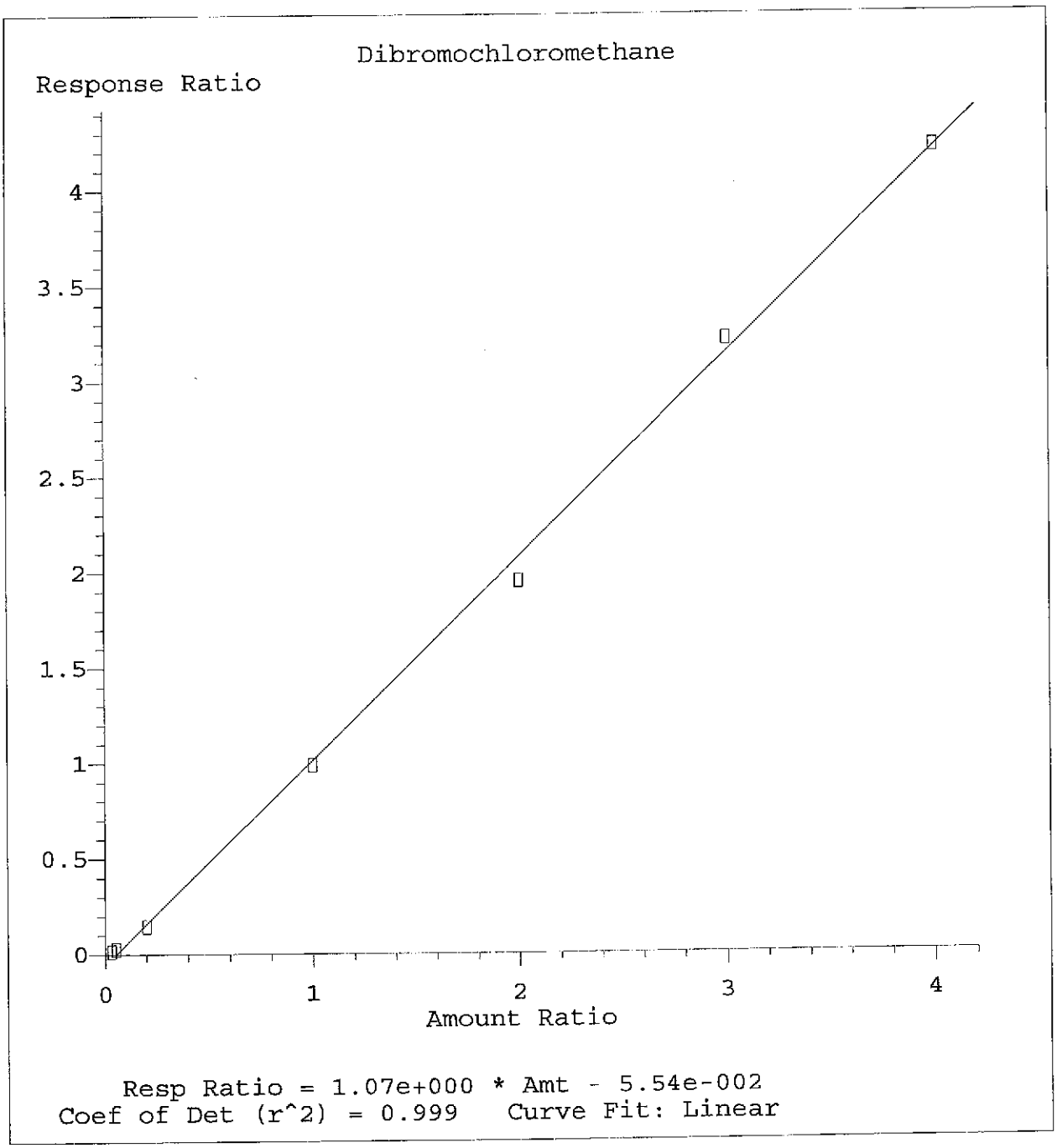
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:53:40 2007



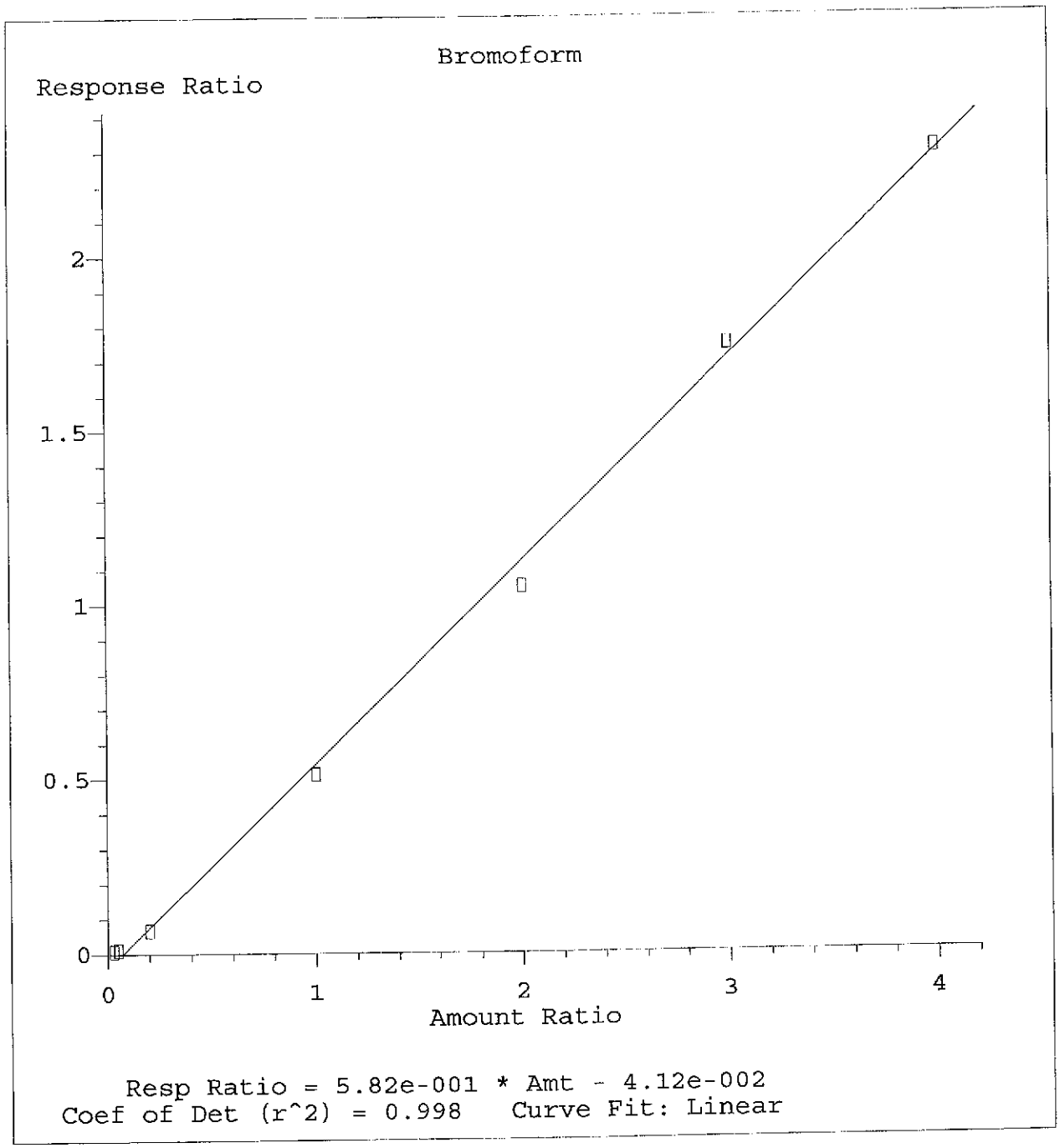
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:53:52 2007



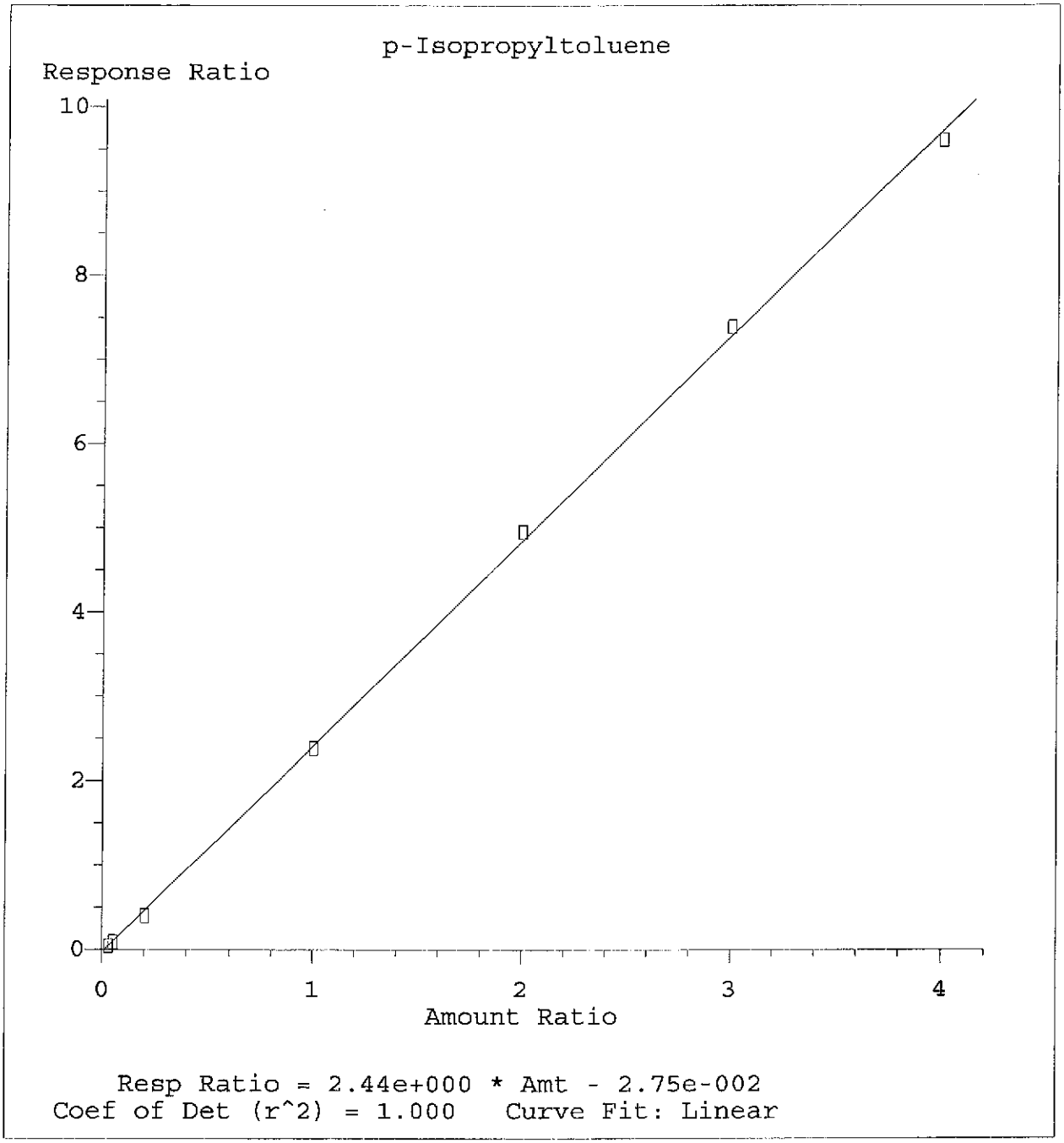
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:54:04 2007



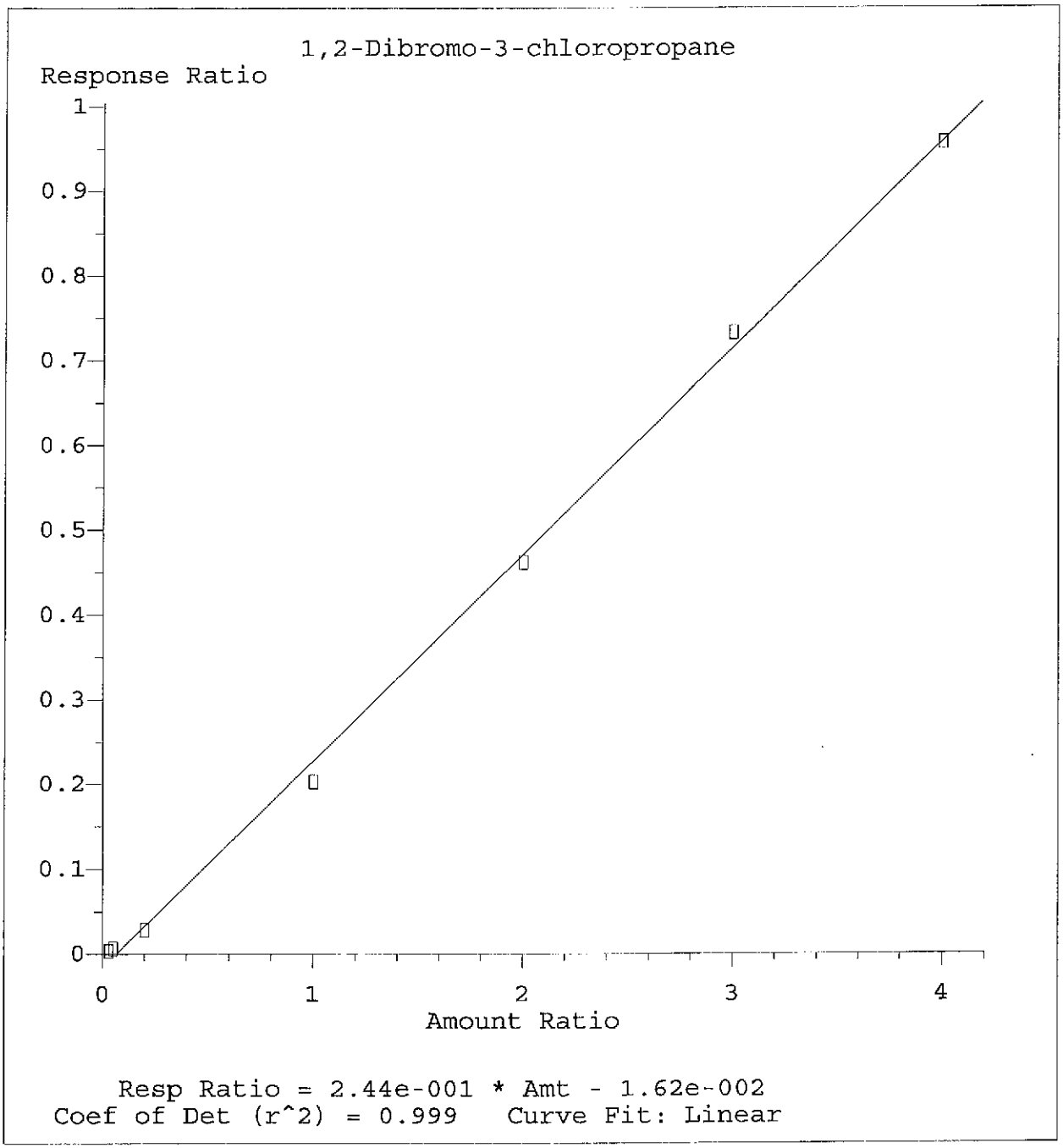
Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:54:25 2007



Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:54:38 2007



Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:55:14 2007



Method Name: C:\HPCHEM\1\METHODS\MO09VOCW.M
Calibration Table Last Updated: Wed Oct 10 06:55:33 2007

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R11406
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS02_12	**Initial Calibration ID:**	1078
Second Source ID:	ICV-11406	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
1,1,1,2-Tetrachloroethane	10	10.7	-7.0	
1,1,1-Trichloroethane	10	9.81	1.9	
1,1,2,2-Tetrachloroethane	10	9.5	5.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	11	-9.8	
1,1,2-Trichloroethane	10	10.1	-1.0	
1,1-Dichloroethane	10	10.4	-4.0	
1,1-Dichloroethene	10	10.7	-7.3	
1,1-Dichloropropene	10	10.5	-5.3	
1,2,3-Trichlorobenzene	10	9.3	7.0	
1,2,3-Trichloropropane	10	9.83	1.7	
1,2,4-Trichlorobenzene	10	9.45	5.5	
1,2,4-Trimethylbenzene	10	10.4	-4.3	
1,2-Dibromo-3-chloropropane	10	8.66	13.4	
1,2-Dibromoethane	10	9.91	0.9	
1,2-Dichlorobenzene	10	9.86	1.4	
1,2-Dichloroethane	10	9.48	5.2	
1,2-Dichloroethane-d4	10	9.87	1.3	
1,2-Dichloropropane	10	10	-0.5	
1,3,5-Trimethylbenzene	10	10.3	-3.0	
1,3-Dichlorobenzene	10	10.2	-2.3	
1,3-Dichloropropane	10	9.54	4.6	
1,4-Dichlorobenzene	10	10	-0.2	
1-Chlorohexane	10	11	-9.5	
2,2-Dichloropropane	10	9.59	4.1	
2-Butanone	20	18.3	8.6	
2-Chloroethylvinyl ether	10	10.4	-4.2	
2-Chlorotoluene	10	9.75	2.5	
2-Hexanone	20	17.4	13.2	
4-Bromofluorobenzene	10	9.76	2.4	
4-Chlorotoluene	10	9.89	1.1	
4-Methyl-2-pentanone	20	19.2	4.0	
Acetone	20	16.2	19.0	
Acrolein	50	48.7	2.6	
Acrylonitrile	50	50.6	-1.1	
Benzene	10	10.1	-1.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R11406
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS02_12	**Initial Calibration ID:**	1078
Second Source ID:	ICV-11406	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Bromobenzene	10	9.98	0.2	
Bromochloromethane	10	10.3	-3.4	
Bromodichloromethane	10	9.56	4.4	
Bromoform	10	8.98	10.2	
Bromomethane	10	9.54	4.6	
Carbon disulfide	10	9.89	1.1	
Carbon tetrachloride	10	9.85	1.5	
Chlorobenzene	10	9.93	0.7	
Chloroethane	10	10.6	-6.3	
Chloroform	10	10.3	-3.4	
Chloromethane	10	10.8	-8.5	
cis-1,2-Dichloroethene	10	10.3	-3.1	
cis-1,3-Dichloropropene	10	9.4	6.0	
Cyclohexane	10	10.6	-5.8	
Dibromochloromethane	10	9.34	6.6	
Dibromofluoromethane	10	10.6	-5.7	
Dibromomethane	10	10	0	
Dichlorodifluoromethane	10	10.2	-2.3	
Ethylbenzene	10	10.5	-5.2	
Hexachlorobutadiene	10	10.6	-5.6	
Isopropylbenzene	10	10.3	-3.4	
Methyl acetate	10	9.02	9.8	
Methyl tert-butyl ether	10	10	-0.3	
Methylcyclohexane	10	10.4	-4.1	
Methylene chloride	10	9.87	1.3	
n-Butylbenzene	10	10.5	-5.0	
n-Propylbenzene	10	10.6	-6.0	
Naphthalene	10	8.5	15.0	
p-Isopropyltoluene	10	9.63	3.7	
sec-Butylbenzene	10	10.9	-9.4	
Styrene	10	10.3	-2.9	
tert-Butylbenzene	10	10.4	-4.0	
Tetrachloroethene	10	10.3	-2.7	
Toluene	10	10.4	-4.5	
Toluene-d8	10	10.8	-8.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R11406
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS02_12	**Initial Calibration ID:**	1078
Second Source ID:	ICV-11406	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
trans-1,2-Dichloroethene	10	10.4	-3.7	
trans-1,3-Dichloropropene	10	9.24	7.6	
trans-1,4-Dichloro-2-butene	10	10.9	-9.3	
Trichloroethene	10	10.4	-3.6	
Trichlorofluoromethane	10	10.5	-5.1	
Vinyl acetate	10	8.79	12.1	
Vinyl chloride	10	10.1	-1.1	
Xylenes (total)	30	30.4	-1.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, In **Contract Number:**

Instrument ID: MS02_12 **Initial Calibration ID:** 1078

ICV ID: **CCV #1 ID:** CCV-11639 **CCV #2 ID:**

Analyte	ICV %D or % drift	CCV #1 %D or % drift	CCV #2 %D or % drift	Q
(m+p)-Xylene		-8.1		
1,1,1,2-Tetrachloroethane		-14.4		
1,1,1-Trichloroethane		5.1		
1,1,2,2-Tetrachloroethane		2.7		
1,1,2-Trichloroethane		-7.0		
1,1-Dichloroethane		-4.7		
1,1-Dichloroethene		-11.9		
1,1-Dichloropropene		-9.2		
1,2,3-Trichlorobenzene		-1.6		
1,2,3-Trichloropropane		-3.1		
1,2,4-Trichlorobenzene		-3.2		
1,2,4-Trimethylbenzene		1.8		
1,2-Dibromo-3-chloropropane		7.3		
1,2-Dibromoethane		-16.0		
1,2-Dichlorobenzene		-4.9		
1,2-Dichloroethane		-1.3		
1,2-Dichloropropane		-6.6		
1,3,5-Trimethylbenzene		1.1		
1,3-Dichlorobenzene		-2.2		
1,3-Dichloropropane		-12.1		
1,4-Dichlorobenzene		-1.8		
1-Chlorohexane		-17.4		
2,2-Dichloropropane		-0.5		
2-Butanone		-1.4		
2-Chlorotoluene		11.7		
4-Chlorotoluene		-1.7		
4-Methyl-2-pentanone		7.3		
Acetone		8.4		
Benzene		-4.2		
Bromobenzene		-0.7		
Bromochloromethane		-6.5		
Bromodichloromethane		-0.6		
Bromoform		-11.8		
Bromomethane		-2.7		
Carbon tetrachloride		5.9		
Chlorobenzene		-7.0		
Chloroethane		-11.1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, In **Contract Number:**

Instrument ID: MS02_12 **Initial Calibration ID:** 1078

ICV ID: **CCV #1 ID:** CCV-11639 **CCV #2 ID:**

Analyte	ICV %D or % drift	CCV #1 %D or % drift	CCV #2 %D or % drift	Q
Chloroform		-2.1		
Chloromethane		-0.8		
cis-1,2-Dichloroethene		-5.0		
cis-1,3-Dichloropropene		-9.3		
Dibromochloromethane		-6.7		
Dibromomethane		-7.8		
Dichlorodifluoromethane		7.8		
Ethylbenzene		-6.4		
Hexachlorobutadiene		-9.7		
Isopropylbenzene		-1.0		
Methyl tert-butyl ether		-4.8		
Methylene chloride		0.8		
n-Butylbenzene		2.5		
n-Propylbenzene		0.5		
Naphthalene		1.1		
o-Xylene		-10.2		
p-Isopropyltoluene		8.8		
sec-Butylbenzene		-2.4		
Styrene		-13.0		
tert-Butylbenzene		-2.1		
Tetrachloroethene		-12.8		
Toluene		-8.1		
trans-1,2-Dichloroethene		-4.1		
trans-1,3-Dichloropropene		-9.5		
Trichloroethene		-6.5		
Trichlorofluoromethane		-1.6		
Vinyl chloride		-6.5		
Xylenes (total)		-8.8		
1,2-Dichloroethane-d4		2.6		
4-Bromofluorobenzene		4.6		
Dibromofluoromethane		-5.6		
Toluene-d8		-12.1		

Comments:

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\M3107.D Vial: 38
Acq On : 25 Oct 2007 8:18 Operator: JK
Sample : CCV-11639 Inst : #2MS12
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\MO09AF31.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Fri Oct 26 14:15:36 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	106	0.00
2		Dichlorodifluoromethane	0.838	0.773	7.8	89	0.00
3	P	Chloromethane	0.306	0.308	-0.7	111	0.00
4	CP	Vinyl chloride	0.244	0.285	-16.8	107	0.00
5		Bromomethane	0.248	0.293	-18.1	119	0.00
6		Chloroethane	0.159	0.177	-11.3	109	0.00
7		Trichlorofluoromethane	0.794	0.807	-1.6	97	0.00
8		Acetone	0.036	0.033#	8.3	94	0.00
9	CPM	1,1-Dichloroethene	0.256	0.286	-11.7	110	0.00
10		Methylene chloride	0.322	0.319	0.9	104	0.00
11		trans-1,2-Dichloroethene	0.328	0.342	-4.3	104	0.00
12		Methyl tert-Butyl ether	0.453	0.475	-4.9	107	0.00
13	P	1,1-Dichloroethane	0.725	0.759	-4.7	103	0.00
14		2-Butanone	0.064	0.065	-1.6	107	0.00
		cis-1,2-Dichloroethene	0.356	0.374	-5.1	105	0.00
16		Bromochloromethane	0.183	0.195	-6.6	108	0.00
17	CP	Chloroform	0.838	0.856	-2.1	102	0.00
18		2,2-Dichloropropane	0.519	0.582	-12.1	109	0.00
19	S	Dibromofluoromethane	0.704	0.744	-5.7	105	0.00
20	S	1,2-Dichloroethane-d4	0.337	0.328	2.7	101	0.00
21		1,2-Dichloroethane	0.391	0.396	-1.3	105	0.00
22		1,1,1-Trichloroethane	0.661	0.697	-5.4	100	0.00
23		1,1-Dichloropropene	0.517	0.564	-9.1	106	0.00
24		Carbon tetrachloride	0.625	0.672	-7.5	100	0.00
25	M	Benzene	0.909	0.947	-4.2	104	0.00
26	M	Trichloroethene	0.470	0.501	-6.6	103	0.00
27		Dibromomethane	0.329	0.355	-7.9	108	0.00
28	CP	1,2-Dichloropropane	0.373	0.398	-6.7	106	0.00
29		Bromodichloromethane	0.793	0.921	-16.1	106	0.00
30		4-Methyl-2-pentanone	0.208	0.193	7.2	92	0.00
31		cis-1,3-Dichloropropene	0.418	0.546	-30.6#	124	0.00
32	S	Toluene-d8	0.845	0.921	-9.0	106	0.00
33	CPM	Toluene	0.551	0.596	-8.2	105	0.00
34		trans-1,3-Dichloropropene	0.293	0.394	-34.5#	130	0.00
35		1,1,2-Trichloroethane	0.238	0.255	-7.1	105	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
37		1,2-Dibromoethane	0.631	0.732	-16.0	113	0.00
38		1,3-Dichloropropane	0.678	0.760	-12.1	112	0.00
		Dibromochloromethane	0.850	1.081	-27.2#	113	0.00
		Tetrachloroethene	0.814	0.918	-12.8	107	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\M3107.D Vial: 38
Acq On : 25 Oct 2007 8:18 Operator: JK
Sample : CCV-11639 Inst : #2MS12
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\MO09AF31.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Fri Oct 26 14:15:36 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		1-Chlorohexane	0.595	0.698	-17.3	112	0.00
42		1,1,1,2-Tetrachloroethane	0.646	0.739	-14.4	107	0.00
43	PM	Chlorobenzene	1.193	1.276	-7.0	106	0.00
44	CP	Ethylbenzene	1.776	1.889	-6.4	102	0.00
45		(m+p)-Xylene	0.648	0.700	-8.0	104	0.00
46		o-Xylene	0.662	0.730	-10.3	103	0.00
47		Styrene	0.985	1.113	-13.0	103	0.00
48	P	Bromoform	0.437	0.610	-39.6#	123	0.00
49	S	Bromofluorobenzene	1.217	1.267	-4.1	107	0.00
50	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
51	P	1,1,2,2-Tetrachloroethane	0.981	0.954	2.8	106	0.00
52		Isopropylbenzene	2.673	2.698	-0.9	102	0.00
[illegible]		1,2,3-Trichloropropane	0.532	0.548	-3.0	117	0.00
		Bromobenzene	0.942	0.948	-0.6	106	0.00
55		n-Propylbenzene	3.544	3.527	0.5	103	0.00
56		2-Chlorotoluene	2.844	2.511	11.7	97	0.00
57		4-Chlorotoluene	2.717	2.763	-1.7	108	0.00
58		1,3,5-Trimethylbenzene	2.099	2.076	1.1	101	0.00
59		tert-Butylbenzene	2.137	2.183	-2.2	105	0.00
60		1,2,4-Trimethylbenzene	1.925	1.889	1.9	101	0.00
61		sec-Butylbenzene	3.047	3.121	-2.4	104	0.00
62		1,3-Dichlorobenzene	1.666	1.703	-2.2	110	0.00
63		p-Isopropyltoluene	2.173	2.195	-1.0	102	0.00
64		1,4-Dichlorobenzene	1.483	1.509	-1.8	111	0.00
65		n-Butylbenzene	2.084	2.031	2.5	99	0.00
66		1,2-Dichlorobenzene	1.446	1.517	-4.9	111	0.00
67		1,2-Dibromo-3-chloropropane	0.186	0.210	-12.9	115	0.00
68		1,2,4-Trichlorobenzene	1.012	1.044	-3.2	116	0.00
69		Hexachlorobutadiene	0.815	0.894	-9.7	114	0.00
70		Naphthalene	0.931	0.920	1.2	119	0.00
71		1,2,3-Trichlorobenzene	0.800	0.813	-1.6	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\M3107.D
Acq On : 25 Oct 2007 8:18
Sample : CCV-11639
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 38
Operator: JK
Inst : #2MS12
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MO09AF31.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Fri Oct 26 14:15:36 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	106	0.00
2		Dichlorodifluoromethane	10.000	9.222	7.8	89	0.00
3	P	Chloromethane	10.000	10.059	-0.6	111	0.00
4	CP	Vinyl chloride	10.000	10.652	-6.5	107	0.00
5		Bromomethane	10.000	10.272	-2.7	119	0.00
6		Chloroethane	10.000	11.083	-10.8	109	0.00
7		Trichlorofluoromethane	10.000	10.170	-1.7	97	0.00
8		Acetone	20.000	18.130	9.4	94	0.00
9	CPM	1,1-Dichloroethene	10.000	11.188	-11.9	110	0.00
10		Methylene chloride	10.000	9.904	1.0	104	0.00
11		trans-1,2-Dichloroethene	10.000	10.409	-4.1	104	0.00
12		Methyl tert-Butyl ether	10.000	10.491	-4.9	107	0.00
13	P	1,1-Dichloroethane	10.000	10.462	-4.6	103	0.00
[illegible]		2-Butanone	20.000	20.410	-2.1	107	0.00
		cis-1,2-Dichloroethene	10.000	10.504	-5.0	105	0.00
16		Bromochloromethane	10.000	10.632	-6.3	108	0.00
17	CP	Chloroform	10.000	10.211	-2.1	102	0.00
18		2,2-Dichloropropane	10.000	10.048	-0.5	109	0.00
19	S	Dibromofluoromethane	10.000	10.557	-5.6	105	0.00
20	S	1,2-Dichloroethane-d4	10.000	9.753	2.5	101	0.00
21		1,2-Dichloroethane	10.000	10.137	-1.4	105	0.00
22		1,1,1-Trichloroethane	10.000	9.486	5.1	100	0.00
23		1,1-Dichloropropene	10.000	10.925	-9.3	106	0.00
24		Carbon tetrachloride	10.000	9.412	5.9	100	0.00
25	M	Benzene	10.000	10.420	-4.2	104	0.00
26	M	Trichloroethene	10.000	10.651	-6.5	103	0.00
27		Dibromomethane	10.000	10.790	-7.9	108	0.00
28	CP	1,2-Dichloropropane	10.000	10.667	-6.7	106	0.00
29		Bromodichloromethane	10.000	10.062	-0.6	106	0.00
30		4-Methyl-2-pentanone	20.000	18.511	7.4	92	0.00
31		cis-1,3-Dichloropropene	10.000	10.930	-9.3	124	0.00
32	S	Toluene-d8	10.000	10.892	-8.9	106	0.00
33	CPM	Toluene	10.000	10.819	-8.2	105	0.00
34		trans-1,3-Dichloropropene	10.000	10.950	-9.5	130	0.00
35		1,1,2-Trichloroethane	10.000	10.701	-7.0	105	0.00
36	I	Chlorobenzene-d5	10.000	10.000	0.0	103	0.00
37		1,2-Dibromoethane	10.000	11.603	-16.0	113	0.00
38		1,3-Dichloropropane	10.000	11.215	-12.2	112	0.00
[illegible]		Dibromochloromethane	10.000	10.667	-6.7	113	0.00
[illegible]		Tetrachloroethene	10.000	11.277	-12.8	107	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\M3107.D
Acq On : 25 Oct 2007 8:18
Sample : CCV-11639
Misc : CCV ,8260WAF 40CAL,
MS Integration Params: RTEINT.P

Vial: 38
Operator: JK
Inst : #2MS12
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MO09AF31.M (RTE Integrator)
Title : VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Last Update : Fri Oct 26 14:15:36 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		1-Chlorohexane	10.000	11.744	-17.4	112	0.00
42		1,1,1,2-Tetrachloroethane	10.000	11.442	-14.4	107	0.00
43	PM	Chlorobenzene	10.000	10.701	-7.0	106	0.00
44	CP	Ethylbenzene	10.000	10.639	-6.4	102	0.00
45		(m+p)-Xylene	20.000	21.619	-8.1	104	0.00
46		o-Xylene	10.000	11.021	-10.2	103	0.00
47		Styrene	10.000	11.300	-13.0	103	0.00
48	P	Bromoform	10.000	11.176	-11.8	123	0.00
49	S	Bromofluorobenzene	10.000	10.408	-4.1	107	0.00
50	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	111	0.00
51	P	1,1,2,2-Tetrachloroethane	10.000	9.729	2.7	106	0.00
52		Isopropylbenzene	10.000	10.094	-0.9	102	0.00
[illegible]		1,2,3-Trichloropropane	10.000	10.302	-3.0	117	0.00
		Bromobenzene	10.000	10.060	-0.6	106	0.00
55		n-Propylbenzene	10.000	9.951	0.5	103	0.00
56		2-Chlorotoluene	10.000	8.830	11.7	97	0.00
57		4-Chlorotoluene	10.000	10.169	-1.7	108	0.00
58		1,3,5-Trimethylbenzene	10.000	9.890	1.1	101	0.00
59		tert-Butylbenzene	10.000	10.214	-2.1	105	0.00
60		1,2,4-Trimethylbenzene	10.000	9.814	1.9	101	0.00
61		sec-Butylbenzene	10.000	10.243	-2.4	104	0.00
62		1,3-Dichlorobenzene	10.000	10.227	-2.3	110	0.00
63		p-Isopropyltoluene	10.000	9.115	8.8	102	0.00
64		1,4-Dichlorobenzene	10.000	10.177	-1.8	111	0.00
65		n-Butylbenzene	10.000	9.747	2.5	99	0.00
66		1,2-Dichlorobenzene	10.000	10.491	-4.9	111	0.00
67		1,2-Dibromo-3-chloropropane	10.000	9.274	7.3	115	0.00
68		1,2,4-Trichlorobenzene	10.000	10.321	-3.2	116	0.00
69		Hexachlorobutadiene	10.000	10.971	-9.7	114	0.00
70		Naphthalene	10.000	9.888	1.1	119	0.00
71		1,2,3-Trichlorobenzene	10.000	10.167	-1.7	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-11639
Initial Calibration ID:	1078	**File ID:**	M3111.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.0280	2.00	U
1,1,1,2-Tetrachloroethane	0.0540	0.500	U
1,1,1-Trichloroethane	0.0150	1.00	U
1,1,2,2-Tetrachloroethane	0.0810	0.500	U
1,1,2-Trichloroethane	0.0280	1.00	U
1,1-Dichloroethane	0.0330	1.00	U
1,1-Dichloroethene	0.0460	1.00	U
1,1-Dichloropropene	0.0240	1.00	U
1,2,3-Trichlorobenzene	0.0360	1.00	U
1,2,3-Trichloropropane	0.0460	1.00	U
1,2,4-Trichlorobenzene	0.0250	1.00	U
1,2,4-Trimethylbenzene	0.0120	1.00	U
1,2-Dibromo-3-chloropropane	0.261	2.00	U
1,2-Dibromoethane	0.0350	1.00	U
1,2-Dichlorobenzene	0.0190	1.00	U
1,2-Dichloroethane	0.0240	0.500	U
1,2-Dichloropropane	0.0260	1.00	U
1,3,5-Trimethylbenzene	0.0130	1.00	U
1,3-Dichlorobenzene	0.0200	1.00	U
1,3-Dichloropropane	0.0230	0.500	U
1,4-Dichlorobenzene	0.0170	0.500	U
1-Chlorohexane	0.0470	1.00	U
2,2-Dichloropropane	0.0820	1.00	U
2-Butanone	0.649	10.0	U
2-Chlorotoluene	0.0120	1.00	U
4-Chlorotoluene	0.0170	1.00	U
4-Methyl-2-pentanone	0.375	10.0	U
Acetone	0.823	10.0	U
Benzene	0.0100	0.500	U
Bromobenzene	0.0280	1.00	U
Bromochloromethane	0.0590	1.00	U
Bromodichloromethane	0.0310	0.500	U
Bromoform	0.0470	1.00	U
Bromomethane	0.0590	3.00	U
Carbon tetrachloride	0.0320	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-11639
Initial Calibration ID:	1078	**File ID:**	M3111.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.0110	0.500	U
Chloroethane	0.116	1.00	U
Chloroform	0.0290	0.500	U
Chloromethane	0.126	1.00	U
cis-1,2-Dichloroethene	0.0320	1.00	U
cis-1,3-Dichloropropene	0.0210	0.500	U
Dibromochloromethane	0.0410	0.500	U
Dibromomethane	0.0380	1.00	U
Dichlorodifluoromethane	0.0670	1.00	U
Ethylbenzene	0.0240	1.00	U
Hexachlorobutadiene	0.0610	0.600	U
Isopropylbenzene	0.0210	1.00	U
Methyl tert-butyl ether	0.0250	5.00	U
Methylene chloride	0.0340	1.00	U
n-Butylbenzene	0.0130	1.00	U
n-Propylbenzene	0.00900	1.00	U
Naphthalene	0.0240	1.00	U
o-Xylene	0.0140	1.00	U
p-Isopropyltoluene	0.0140	1.00	U
sec-Butylbenzene	0.0170	1.00	U
Styrene	0.0200	1.00	U
tert-Butylbenzene	0.0160	1.00	U
Tetrachloroethene	0.0300	1.00	U
Toluene	0.0180	1.00	U
trans-1,2-Dichloroethene	0.0270	1.00	U
trans-1,3-Dichloropropene	0.0290	1.00	U
Trichloroethene	0.0270	1.00	U
Trichlorofluoromethane	0.0200	1.00	U
Vinyl chloride	0.0380	1.00	U
Xylenes (total)	0.0420	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Dibromofluoromethane	104	85 - 115	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R11639
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-11639
Initial Calibration ID:	1078	**File ID:**	M3111.D

Surrogate	Recovery	Control Limits	Qualifier
Toluene-d8	110	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2965399	1123200 - 4492802	
Chlorobenzene-d5	3822291	1595982 - 6383930	
Fluorobenzene	6046426	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-11639 **Initial Calibration ID:** 1078

Concentration Units (mg/L or mg/kg): ug/L **File ID:** M3108.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.2	101	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.8	108	81 - 129	
1,1,1-Trichloroethane	10	9.08	91	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.31	93	63 - 128	
1,1,2-Trichloroethane	10	10.2	103	75 - 125	
1,1-Dichloroethane	10	10.4	104	69 - 133	
1,1-Dichloroethene	10	10.4	104	68 - 130	
1,1-Dichloropropene	10	10.3	103	73 - 132	
1,2,3-Trichlorobenzene	10	9.65	97	67 - 137	
1,2,3-Trichloropropane	10	10.2	103	73 - 124	
1,2,4-Trichlorobenzene	10	9.60	96	66 - 134	
1,2,4-Trimethylbenzene	10	9.41	94	74 - 132	
1,2-Dibromo-3-chloropropane	10	9.10	91	50 - 132	
1,2-Dibromoethane	10	10.7	107	80 - 121	
1,2-Dichlorobenzene	10	10.5	105	71 - 122	
1,2-Dichloroethane	10	9.27	93	69 - 132	
1,2-Dichloropropane	10	10.2	102	75 - 125	
1,3,5-Trimethylbenzene	10	9.45	94	74 - 131	
1,3-Dichlorobenzene	10	9.96	100	75 - 124	
1,3-Dichloropropane	10	10.5	105	73 - 126	
1,4-Dichlorobenzene	10	9.99	100	74 - 123	
1-Chlorohexane	10	11.2	112	70 - 125	
2,2-Dichloropropane	10	9.69	97	69 - 137	
2-Butanone	20	18.2	91	49 - 136	
2-Chlorotoluene	10	8.37	84	73 - 126	
4-Chlorotoluene	10	10.5	105	74 - 128	
4-Methyl-2-pentanone	20	15.5	78	58 - 134	
Acetone	20	16.2	81	40 - 135	
Benzene	10	9.86	99	81 - 122	
Bromobenzene	10	9.92	99	76 - 124	
Bromochloromethane	10	10.1	101	65 - 129	
Bromodichloromethane	10	9.52	95	76 - 121	
Bromoform	10	10.4	104	69 - 128	
Bromomethane	10	9.34	93	30 - 141	
Carbon tetrachloride	10	9.00	90	66 - 138	
Chlorobenzene	10	10.3	103	81 - 122	
Chloroethane	10	10.0	100	58 - 133	
Chloroform	10	9.96	100	69 - 128	
Chloromethane	10	9.37	94	56 - 131	
cis-1,2-Dichloroethene	10	9.97	100	72 - 126	
cis-1,3-Dichloropropene	10	10.4	104	69 - 131	
Dibromochloromethane	10	9.48	95	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-11639 **Initial Calibration ID:** 1078

Concentration Units (mg/L or mg/kg): µg/L **File ID:** M3108.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.0	100	76 - 125	
Dichlorodifluoromethane	10	8.45	84	30 - 153	
Ethylbenzene	10	10.2	102	73 - 127	
Hexachlorobutadiene	10	10.4	104	67 - 131	
Isopropylbenzene	10	9.87	99	75 - 127	
Methyl tert-butyl ether	10	10.0	101	65 - 123	
Methylene chloride	10	9.70	97	63 - 137	
n-Butylbenzene	10	9.44	94	69 - 137	
n-Propylbenzene	10	9.93	99	72 - 129	
Naphthalene	10	9.23	92	54 - 138	
o-Xylene	10	10.4	104	80 - 121	
p-Isopropyltoluene	10	8.79	88	73 - 130	
sec-Butylbenzene	10	9.90	99	72 - 127	
Styrene	10	10.6	106	65 - 134	
tert-Butylbenzene	10	9.87	99	70 - 129	
Tetrachloroethene	10	10.7	107	66 - 128	
Toluene	10	10.2	102	77 - 122	
trans-1,2-Dichloroethene	10	10.1	101	63 - 137	
trans-1,3-Dichloropropene	10	10.1	101	59 - 135	
Trichloroethene	10	10.1	101	70 - 127	
Trichlorofluoromethane	10	10.0	101	57 - 129	
Vinyl chloride	10	9.47	95	50 - 134	
Xylenes (total)	30	30.6	102	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	95	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Dibromofluoromethane	103	85 - 115	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2646529	1123200 - 4492802	
Chlorobenzene-d5	3588855	1595982 - 6383930	
Fluorobenzene	6138725	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-11639 **Initial Calibration ID:** 1078

Concentration Units (mg/L or mg/kg): µg/L **File ID:** M3109.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.6	98	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.6	106	81 - 129	
1,1,1-Trichloroethane	10	9.18	92	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.58	96	63 - 128	
1,1,2-Trichloroethane	10	10.6	106	75 - 125	
1,1-Dichloroethane	10	10.4	104	69 - 133	
1,1-Dichloroethene	10	10.6	106	68 - 130	
1,1-Dichloropropene	10	10.4	104	73 - 132	
1,2,3-Trichlorobenzene	10	9.75	98	67 - 137	
1,2,3-Trichloropropane	10	10.5	105	73 - 124	
1,2,4-Trichlorobenzene	10	9.50	95	66 - 134	
1,2,4-Trimethylbenzene	10	9.26	93	74 - 132	
1,2-Dibromo-3-chloropropane	10	9.04	90	50 - 132	
1,2-Dibromoethane	10	10.7	107	80 - 121	
1,2-Dichlorobenzene	10	10.2	102	71 - 122	
1,2-Dichloroethane	10	9.61	96	69 - 132	
1,2-Dichloropropane	10	10.3	103	75 - 125	
1,3,5-Trimethylbenzene	10	9.35	94	74 - 131	
1,3-Dichlorobenzene	10	9.90	99	75 - 124	
1,3-Dichloropropane	10	10.4	104	73 - 126	
1,4-Dichlorobenzene	10	9.77	98	74 - 123	
1-Chlorohexane	10	11.1	111	70 - 125	
2,2-Dichloropropane	10	9.72	97	69 - 137	
2-Butanone	20	19.0	95	49 - 136	
2-Chlorotoluene	10	10.0	100	73 - 126	
4-Chlorotoluene	10	8.65	86	74 - 128	
4-Methyl-2-pentanone	20	16.5	83	58 - 134	
Acetone	20	16.1	80	40 - 135	
Benzene	10	10.0	100	81 - 122	
Bromobenzene	10	9.88	99	76 - 124	
Bromochloromethane	10	10.4	104	65 - 129	
Bromodichloromethane	10	9.69	97	76 - 121	
Bromoform	10	10.5	105	69 - 128	
Bromomethane	10	9.32	93	30 - 141	
Carbon tetrachloride	10	9.14	91	66 - 138	
Chlorobenzene	10	9.99	100	81 - 122	
Chloroethane	10	10.5	105	58 - 133	
Chloroform	10	9.97	100	69 - 128	
Chloromethane	10	9.88	99	56 - 131	
cis-1,2-Dichloroethene	10	10.1	101	72 - 126	
cis-1,3-Dichloropropene	10	10.6	106	69 - 131	
Dibromochloromethane	10	10.0	100	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-11639 **Initial Calibration ID:** 1078

Concentration Units (mg/L or mg/kg): µg/L **File ID:** M3109.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.3	103	76 - 125	
Dichlorodifluoromethane	10	8.51	85	30 - 153	
Ethylbenzene	10	10.4	104	73 - 127	
Hexachlorobutadiene	10	10.1	101	67 - 131	
Isopropylbenzene	10	9.56	96	75 - 127	
Methyl tert-butyl ether	10	10.4	104	65 - 123	
Methylene chloride	10	9.99	100	63 - 137	
n-Butylbenzene	10	9.25	92	69 - 137	
n-Propylbenzene	10	9.84	98	72 - 129	
Naphthalene	10	9.37	94	54 - 138	
o-Xylene	10	10.1	101	80 - 121	
p-Isopropyltoluene	10	8.60	86	73 - 130	
sec-Butylbenzene	10	9.77	98	72 - 127	
Styrene	10	10.4	104	65 - 134	
tert-Butylbenzene	10	9.64	96	70 - 129	
Tetrachloroethene	10	10.5	105	66 - 128	
Toluene	10	10.4	104	77 - 122	
trans-1,2-Dichloroethene	10	10.1	101	63 - 137	
trans-1,3-Dichloropropene	10	10.4	104	59 - 135	
Trichloroethene	10	10.1	101	70 - 127	
Trichlorofluoromethane	10	10.1	101	57 - 129	
Vinyl chloride	10	9.16	92	50 - 134	
Xylenes (total)	30	29.7	99	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	97	72 - 119	
4-Bromofluorobenzene	100	76 - 119	
Dibromofluoromethane	104	85 - 115	
Toluene-d8	108	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	2719262	1123200 - 4492802	
Chlorobenzene-d5	3704219	1595982 - 6383930	
Fluorobenzene	6127801	2658960 - 10635838	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-11639 **MS ID:** LCS-11639 **MSD ID:** LCSD-11639

Calibration ID: 1078

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	20.2	101	19.6	98	3	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	10.8	108	10.6	106	2	81 - 129	20	
1,1,1-Trichloroethane		10.0	9.08	91	9.18	92	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	9.31	93	9.58	96	3	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.2	103	10.6	106	4	75 - 125	20	
1,1-Dichloroethane		10.0	10.4	104	10.4	104	0	69 - 133	20	
1,1-Dichloroethene		10.0	10.4	104	10.6	106	2	68 - 130	20	
1,1-Dichloropropene		10.0	10.3	103	10.4	104	2	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	9.65	97	9.75	98	1	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.2	103	10.5	105	3	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.60	96	9.50	95	1	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.41	94	9.26	93	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	9.10	91	9.04	90	1	50 - 132	20	
1,2-Dibromoethane		10.0	10.7	107	10.7	107	1	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.5	105	10.2	102	2	71 - 122	20	
1,2-Dichloroethane		10.0	9.27	93	9.61	96	4	69 - 132	20	
1,2-Dichloropropane		10.0	10.2	102	10.3	103	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.45	94	9.35	94	1	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.96	100	9.90	99	1	75 - 124	20	
1,3-Dichloropropane		10.0	10.5	105	10.4	104	1	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.99	100	9.77	98	2	74 - 123	20	
1-Chlorohexane		10.0	11.2	112	11.1	111	1	70 - 125	20	
2,2-Dichloropropane		10.0	9.69	97	9.72	97	0	69 - 137	20	
2-Butanone		20.0	18.2	91	19.0	95	4	49 - 136	20	
2-Chlorotoluene		10.0	8.37	84	10.0	100	18	73 - 126	20	
4-Chlorotoluene		10.0	10.5	105	8.65	86	19	74 - 128	20	
4-Methyl-2-pentanone		20.0	15.5	78	16.5	83	6	58 - 134	20	
Acetone		20.0	16.2	81	16.1	80	1	40 - 135	20	
Benzene		10.0	9.86	99	10.0	100	1	81 - 122	20	
Bromobenzene		10.0	9.92	99	9.88	99	0	76 - 124	20	
Bromochloromethane		10.0	10.1	101	10.4	104	3	65 - 129	20	
Bromodichloromethane		10.0	9.52	95	9.69	97	2	76 - 121	20	
Bromoform		10.0	10.4	104	10.5	105	1	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-11639 **MS ID:** LCS-11639 **MSD ID:** LCSD-11639

Calibration ID: 1078

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	9.34	93	9.32	93	0	30 - 141	20	
Carbon tetrachloride		10.0	9.00	90	9.14	91	2	66 - 138	20	
Chlorobenzene		10.0	10.3	103	9.99	100	3	81 - 122	20	
Chloroethane		10.0	10.0	100	10.5	105	5	58 - 133	20	
Chloroform		10.0	9.96	100	9.97	100	0	69 - 128	20	
Chloromethane		10.0	9.37	94	9.88	99	5	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.97	100	10.1	101	1	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.4	104	10.6	106	2	69 - 131	20	
Dibromochloromethane		10.0	9.48	95	10.0	100	5	66 - 133	20	
Dibromomethane		10.0	10.0	100	10.3	103	3	76 - 125	20	
Dichlorodifluoromethane		10.0	8.45	84	8.51	85	1	30 - 153	20	
Ethylbenzene		10.0	10.2	102	10.4	104	2	73 - 127	20	
Hexachlorobutadiene		10.0	10.4	104	10.1	101	3	67 - 131	20	
Isopropylbenzene		10.0	9.87	99	9.56	96	3	75 - 127	20	
Methyl tert-butyl ether		10.0	10.0	101	10.4	104	3	65 - 123	20	
Methylene chloride		10.0	9.70	97	9.99	100	3	63 - 137	20	
n-Butylbenzene		10.0	9.44	94	9.25	92	2	69 - 137	20	
n-Propylbenzene		10.0	9.93	99	9.84	98	1	72 - 129	20	
Naphthalene		10.0	9.23	92	9.37	94	2	54 - 138	20	
o-Xylene		10.0	10.4	104	10.1	101	3	80 - 121	20	
p-Isopropyltoluene		10.0	8.79	88	8.60	86	2	73 - 130	20	
sec-Butylbenzene		10.0	9.90	99	9.77	98	1	72 - 127	20	
Styrene		10.0	10.6	106	10.4	104	2	65 - 134	20	
tert-Butylbenzene		10.0	9.87	99	9.64	96	2	70 - 129	20	
Tetrachloroethene		10.0	10.7	107	10.5	105	2	66 - 128	20	
Toluene		10.0	10.2	102	10.4	104	2	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.1	101	10.1	101	0	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.1	101	10.4	104	2	59 - 135	20	
Trichloroethene		10.0	10.1	101	10.1	101	0	70 - 127	20	
Trichlorofluoromethane		10.0	10.0	101	10.1	101	0	57 - 129	20	
Vinyl chloride		10.0	9.47	95	9.16	92	3	50 - 134	20	
Xylenes (total)		30.0	30.6	102	29.7	99	3	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R11639

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSW0101BB	0710131-001C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.2	
TMCSW0201BB	0710131-002C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.2	
TMCSW0301BB	0710131-003C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.3	
TMCSW0401BB	0710131-004C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.1	
TMCSW0501BB	0710131-005C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.1	
TMCSW0601BB	0710131-006C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.1	
TMCSW0701BB	0710131-007C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7	
TMCSW0801BB	0710131-008C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7	
101807BE	0710131-009C	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.3	
101807BF	0710131-010A	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.2	
101807BR	0710131-011A	18-Oct-07	19-Oct-07	25-Oct-07			25-Oct-07	14	7.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS02_12 **Calibration ID:** 1078

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB100907A2	TB100907A2	09-Oct-07	10:05	09-Oct-07	11:12
ICAL 0.3 ppb	ICAL 0.3 ppb	09-Oct-07	11:12	09-Oct-07	11:50
ICAL 0.5 ppb	ICAL 0.5 ppb	09-Oct-07	11:50	09-Oct-07	12:29
ICAL 2.0 ppb	ICAL 2.0 ppb	09-Oct-07	12:29	09-Oct-07	13:07
ICAL 10 ppb	ICAL 10 ppb	09-Oct-07	13:07	09-Oct-07	13:45
ICAL 20 ppb	ICAL 20 ppb	09-Oct-07	13:45	09-Oct-07	14:24
ICAL 30 ppb	ICAL 30 ppb	09-Oct-07	14:24	09-Oct-07	15:02
ICAL 40 ppb	ICAL 40 ppb	09-Oct-07	15:02	09-Oct-07	16:19
ICV-11406	ICV-11406	09-Oct-07	16:19	09-Oct-07	16:19
TB102507A1	TB102507A1	25-Oct-07	7:42	25-Oct-07	8:18
CCV-11639	CCV-11639	25-Oct-07	8:18	25-Oct-07	8:56
LCS-11639	LCS-11639	25-Oct-07	8:56	25-Oct-07	9:35
LCSD-11639	LCSD-11639	25-Oct-07	9:35	25-Oct-07	10:54
MB-11639	MB-11639	25-Oct-07	10:54	25-Oct-07	11:32
TMCSW0401BB	0710131-004C	25-Oct-07	11:32	25-Oct-07	12:11
TMCSW0501BB	0710131-005C	25-Oct-07	12:11	25-Oct-07	12:49
TMCSW0601BB	0710131-006C	25-Oct-07	12:49	25-Oct-07	13:27
TMCSW0701BB	0710131-007C	25-Oct-07	13:27	25-Oct-07	14:08
TMCSW0801BB	0710131-008C	25-Oct-07	14:08	25-Oct-07	14:46
101807BE	0710131-009C	25-Oct-07	14:46	25-Oct-07	15:24
101807BF	0710131-010A	25-Oct-07	15:24	25-Oct-07	16:03
101807BR	0710131-011A	25-Oct-07	16:03	25-Oct-07	16:41
TMCSW0101BB	0710131-001C	25-Oct-07	16:41	25-Oct-07	17:19
TMCSW0201BB	0710131-002C	25-Oct-07	17:19	25-Oct-07	17:57
TMCSW0301BB	0710131-003C	25-Oct-07	17:57	25-Oct-07	17:57

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS02_12_071009A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS02_12	**Injection Date/Time:**	10/9/2007 10:05:00 AM
Initial Calibration ID:	1078	**File ID:**	C:\HPCHEM\1\DATA\M2774.D
Compound:	SW8260B	**Sample ID:**	TB100907A2

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	26.9	
75	30 - 60% of m/z 95	55.4	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.1	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	57.6	
175	5 - 9% of m/z 174	6.6	
176	Greater than 95% but less than 101% of m/z 174	99.2	
177	5 - 9% of m/z 176	6.6	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS02_12_071025B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS02_12	**Injection Date/Time:**	10/25/2007 7:42:00 AM
Initial Calibration ID:	1078	**File ID:**	C:\HPCHEM\1\DATA\M3106.D
Compound:	SW8260B	**Sample ID:**	TB102507A1

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	25.7	
75	30 - 60% of m/z 95	55.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	5.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	60.1	
175	5 - 9% of m/z 174	5.8	
176	Greater than 95% but less than 101% of m/z 174	98.5	
177	5 - 9% of m/z 176	5.8	

GC/MS Semivolatile Organics Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8270

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5972 GCMS#6

Date of Initial Calibration: 23OCT2007

Initial Calibration ID: 1089

Concentration Units (ug/L or mg/kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report #6MS40

1089

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:41:02 2007
Response via : Initial Calibration

Calibration Files
160 =K3027.D 120 =K3028.D 80 =K3029.D
60 =K3030.D 50 =K3031.D 40 =K3032.D

		Compound	160	120	80	60	50	40	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	T	1,4-Dioxane	0.753	0.733	0.630	0.720	0.719	0.706	0.706	4.96
3)	T	N-nitrosodimethylam	0.755	0.739	0.721	0.723	0.734	0.724	0.710	5.17
4)	T	Pyridine	1.362	1.312	1.292	1.302	1.310	1.294	1.283	3.77
5)	S	2-Fluorophenol	1.150	1.124	1.138	1.146	1.175	1.123	1.119	3.55
6)	S	Phenol-d5	1.381	1.362	1.384	1.386	1.411	1.391	1.368	2.30
7)	MC	Phenol	1.562	1.576	1.612	1.618	1.669	1.631	1.596	2.40
8)	T	Aniline	2.227	2.214	2.251	2.237	2.255	2.249	2.226	1.11
9)	T	bis(2-Chloroethyl)e	1.180	1.183	1.210	1.229	1.243	1.224	1.218	1.90
10)	S	2-Chlorophenol-d4	1.404	1.409	1.460	1.461	1.514	1.500	1.464	2.64
11)	M	2-Chlorophenol	1.256	1.266	1.324	1.330	1.369	1.343	1.321	2.78
12)	T	1,3-Dichlorobenzene	1.418	1.450	1.527	1.545	1.561	1.551	1.537	4.19
13)	MC	1,4-Dichlorobenzene	1.402	1.445	1.508	1.539	1.566	1.537	1.527	4.32
14)	T	Benzyl alcohol	0.929	0.919	0.942	0.939	0.964	0.951	0.933	1.84
15)	S	1,2-Dichlorobenzene	0.786	0.810	0.842	0.848	0.860	0.850	0.849	4.30
16)	T	1,2-Dichlorobenzene	1.305	1.331	1.406	1.431	1.467	1.438	1.425	4.67
)	T	2-Methylphenol	1.186	1.193	1.245	1.272	1.289	1.298	1.253	3.16
18)	T	2,2'-oxybis(1-chlor	1.399	1.377	1.409	1.416	1.427	1.405	1.407	1.33
19)	T	bis(2-Chloroisoprop	1.399	1.377	1.409	1.416	1.427	1.405	1.407	1.33
20)	T	(3+4)-Methylphenol	1.309	1.302	1.344	1.364	1.391	1.384	1.353	2.35
21)	T	4-Methylphenol	1.309	1.302	1.344	1.364	1.391	1.384	1.353	2.35
22)	MP	N-Nitroso-di-n-prop	0.969	0.969	0.966	0.957	0.976	0.968	0.947	3.53
23)	T	Hexachloroethane	0.618	0.630	0.650	0.652	0.668	0.638	0.639	2.45
24)	I	Naphthalene-d8	----------ISTD----------							
25)	S	Nitrobenzene-d5	0.360	0.363	0.354	0.354	0.357	0.354	0.349	4.26
26)	T	Nitrobenzene	0.418	0.419	0.410	0.415	0.406	0.414	0.406	2.87
27)	T	Isophorone	0.707	0.717	0.701	0.687	0.700	0.701	0.684	4.93
28)	TC	2-Nitrophenol	0.223	0.228	0.233	0.231	0.231	0.230	0.218	9.69
29)	T	2,4-Dimethylphenol	0.378	0.381	0.380	0.372	0.378	0.382	0.375	1.73
30)	T	Benzoic acid	0.307	0.308	0.288	0.271	0.272	0.277	0.273	14.41
31)	T	bis(2-Chloroethoxy)	0.383	0.388	0.390	0.392	0.402	0.397	0.392	1.54
32)	TC	2,4-Dichlorophenol	0.313	0.319	0.319	0.321	0.323	0.327	0.318	2.01
33)	M	1,2,4-Trichlorobenz	0.333	0.342	0.342	0.348	0.340	0.347	0.344	1.73
34)	T	Naphthalene	0.904	0.933	0.952	0.980	0.978	0.988	0.976	4.16
35)	T	4-Chloroaniline	0.482	0.488	0.498	0.505	0.502	0.506	0.502	2.11
36)	TC	Hexachlorobutadiene	0.262	0.263	0.242	0.234	0.233	0.236	0.235	7.85
37)	MC	4-Chloro-3-methylph	0.338	0.340	0.340	0.336	0.341	0.344	0.333	3.53
38)	T	2-Methylnaphthalene	0.695	0.715	0.749	0.765	0.773	0.788	0.760	4.51
39)	I	Acenaphthene-d10	----------ISTD----------							
)	T	1,2,4,5-Tetrachloro	0.485	0.491	0.449	0.440	0.440	0.437	0.442	6.02
)	TP	Hexachlorocyclopent	0.548	0.553	0.500	0.482	0.465	0.453	0.469	14.51

(#) = Out of Range ### Number of calibration levels exceeded format ###

10/31/07

Response Factor Report #6MS40

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:41:02 2007
Response via : Initial Calibration

Calibration Files
160 =K3027.D 120 =K3028.D 80 =K3029.D
60 =K3030.D 50 =K3031.D 40 =K3032.D

		Compound	160	120	80	60	50	40	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.375	0.384	0.367	0.371	0.375	0.372	0.363	5.38
43)	T	2,4,5-Trichlorophen	0.458	0.470	0.453	0.442	0.446	0.454	0.451	2.77
44)	S	2-Fluorobiphenyl	1.117	1.141	1.130	1.150	1.153	1.168	1.153	2.02
45)	T	2-Chloronaphthalene	1.082	1.108	1.110	1.148	1.144	1.151	1.138	2.92
46)	T	2-Nitroaniline	0.454	0.458	0.447	0.445	0.448	0.446	0.431	7.66
47)	T	Dimethyl phthalate	1.434	1.497	1.501	1.505	1.504	1.526	1.494	1.98
48)	T	2,6-Dinitrotoluene	0.346	0.364	0.364	0.362	0.366	0.365	0.350	6.06
49)	T	Acenaphthylene	1.741	1.786	1.803	1.845	1.848	1.891	1.833	2.88
50)	T	3-Nitroaniline	0.429	0.436	0.434	0.436	0.445	0.442	0.426	5.09
51)	TCM	Acenaphthene	0.980	1.010	1.031	1.061	1.074	1.082	1.065	4.62
52)	TP	2,4-Dinitrophenol	0.289	0.294	0.276	0.257	0.254	0.241	0.256	15.33
53)	MP	4-Nitrophenol	0.302	0.309	0.296	0.293	0.291	0.287	0.291	5.20
54)	M	2,4-Dinitrotoluene	0.463	0.479	0.477	0.479	0.478	0.473	0.458	7.28
55)	T	Dibenzofuran	1.865	1.904	1.911	1.924	1.953	1.957	1.942	2.48
56)	T	Diethyl phthalate	1.523	1.561	1.582	1.585	1.609	1.617	1.572	2.31
57)	T	4-Chlorophenyl phen	0.663	0.660	0.610	0.588	0.594	0.597	0.604	5.86
58)	T	Fluorene	1.245	1.260	1.260	1.269	1.272	1.287	1.288	2.84
)	T	4-Nitroaniline	0.448	0.461	0.447	0.454	0.460	0.459	0.448	3.45
60)	T	1,2-Diphenylhydrazi	1.456	1.466	1.471	1.472	1.480	1.486	1.466	1.61
61)	S	2,4,6-Tribromopheno	0.311	0.315	0.285	0.266	0.273	0.274	0.261	17.74
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	T	4,6-Dinitro-2-methy	0.185	0.185	0.178	0.173	0.175	0.165	0.165	13.45
64)	TC	n-Nitrosodiphenylam	0.526	0.525	0.525	0.524	0.527	0.540	0.529	1.23
65)	T	4-Bromophenyl pheny	0.257	0.245	0.217	0.200	0.202	0.203	0.204	15.91
66)	T	Hexachlorobenzene	0.328	0.320	0.283	0.266	0.267	0.264	0.268	14.26
67)	MC	Pentachlorophenol	0.205	0.200	0.174	0.159	0.160	0.157	0.167	18.01
68)	T	Phenanthrene	1.052	1.045	1.021	1.023	1.036	1.023	1.034	1.16
69)	T	Anthracene	1.067	1.052	1.032	1.033	1.039	1.052	1.047	1.18
70)	T	Carbazole	0.984	0.993	0.985	0.990	1.017	1.008	0.999	1.56
71)	T	Di-n-butyl phthalat	1.517	1.520	1.535	1.540	1.563	1.567	1.515	4.04
72)	TC	Fluoranthene	1.154	1.140	1.075	1.042	1.072	1.055	1.058	5.88
73)	I	Chrysene-d12	----------ISTD----------							
74)	T	Benzidine	0.470	0.450	0.504	0.559	0.400	0.352	0.468	15.99
75)	M	Pyrene	1.306	1.230	1.240	1.310	1.230	1.255	1.277	2.93
76)	S	Terphenyl-d14	1.012	0.923	0.863	0.842	0.799	0.801	0.820	12.57
77)	T	Butyl benzyl phthal	0.759	0.737	0.789	0.850	0.796	0.828	0.794	5.33
78)	T	3,3'-Dichlorobenzid	0.714	0.643	0.517	0.456	0.448	0.423	0.474	27.54
79)	T	Benzo[a]anthracene	1.205	1.159	1.109	1.080	1.065	1.062	1.091	5.18
80)	T	bis(2-Ethylhexyl)ph	1.083	1.010	1.064	1.144	1.079	1.138	1.092	4.70
81)	T	Chrysene	1.197	1.142	1.054	1.035	1.000	0.978	1.028	8.75
)	TC	Di-n-octyl phthalat	1.832	1.786	1.883	1.968	1.925	1.932	1.844	7.20
)	T	Indeno[1,2,3-cd]pyr	1.273	1.366	1.228	1.151	1.204	1.089	1.128	14.33

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #6MS40

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:41:02 2007
Response via : Initial Calibration

Calibration Files
160 =K3027.D 120 =K3028.D 80 =K3029.D
60 =K3030.D 50 =K3031.D 40 =K3032.D

		Compound	160	120	80	60	50	40	Avg	%RSD
84)	I	Perylene-d12	ISTD							
85)	T	Benzo[b]fluoranthen	1.501	1.390	1.239	1.141	1.133	1.098	1.155	16.72
86)	T	Benzo[k]fluoranthen	1.503	1.418	1.253	1.173	1.120	1.111	1.167	16.60
87)	TC	Benzo[a]pyrene	1.332	1.245	1.108	1.047	1.028	0.997	1.042	15.88
88)	T	Dibenz[a,h]anthrace	1.705	1.627	1.363	1.210	1.214	1.124	1.218	24.93
89)	T	Benzo[g,h,i]perylen	1.255	1.240	1.099	1.054	1.029	0.974	1.027	15.15

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #6MS40

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:45:27 2007
Response via : Initial Calibration

Calibration Files
20 =K3033.D 10 =K3034.D 5.0 =K3035.D
1.0 =K3036.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------					
2)	T	1,4-Dioxane	0.685	0.691	0.715			
3)	T	N-nitrosodimethylam	0.672	0.669	0.649			
4)	T	Pyridine	1.225	1.221	1.228			
5)	S	2-Fluorophenol	1.096	1.064	1.057			
6)	S	Phenol-d5	1.324	1.359	1.315			
7)	MC	Phenol	1.566	1.562	1.567			
8)	T	Aniline	2.209	2.179	2.213			
9)	T	bis(2-Chloroethyl)e	1.224	1.228	1.243			
10)	S	2-Chlorophenol-d4	1.484	1.450	1.495			
11)	M	2-Chlorophenol	1.331	1.327	1.342			
12)	T	1,3-Dichlorobenzene	1.567	1.603	1.609			
13)	MC	1,4-Dichlorobenzene	1.559	1.579	1.608			
14)	T	Benzyl alcohol	0.917	0.913	0.925			
15)	S	1,2-Dichlorobenzene	0.871	0.862	0.915			
16)	T	1,2-Dichlorobenzene	1.466	1.484	1.494			
	T	2-Methylphenol	1.252	1.263	1.276			
18)	T	2,2'-oxybis(1-chlor	1.428	1.381	1.420			
19)	T	bis(2-Chloroisoprop	1.428	1.381	1.420			
20)	T	(3+4)-Methylphenol	1.374	1.369	1.336			
21)	T	4-Methylphenol	1.374	1.369	1.336			
22)	MP	N-Nitroso-di-n-prop	0.923	0.911	0.881			
23)	T	Hexachloroethane	0.636	0.629	0.627			
24)	I	Naphthalene-d8	----------ISTD----------					
25)	S	Nitrobenzene-d5	0.344	0.337	0.315			
26)	T	Nitrobenzene	0.400	0.391	0.386			
27)	T	Isophorone	0.667	0.665	0.607			
28)	TC	2-Nitrophenol	0.215	0.203	0.168			
29)	T	2,4-Dimethylphenol	0.374	0.372	0.361			
30)	T	Benzoic acid	0.191					
31)	T	bis(2-Chloroethoxy)	0.394	0.396	0.385			
32)	TC	2,4-Dichlorophenol	0.320	0.319	0.305			
33)	M	1,2,4-Trichlorobenz	0.351	0.352	0.343			
34)	T	Naphthalene	1.004	1.031	1.016			
35)	T	4-Chloroaniline	0.511	0.511	0.511			
36)	TC	Hexachlorobutadiene	0.220	0.215	0.211			
37)	MC	4-Chloro-3-methylph	0.332	0.320	0.308			
38)	T	2-Methylnaphthalene	0.789	0.793	0.774			
39)	I	Acenaphthene-d10	----------ISTD----------					
40)	T	1,2,4,5-Tetrachloro	0.415	0.425	0.418	0.420		
41)	TP	Hexachlorocyclopent	0.388	0.363				

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #6MS40

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:45:27 2007
Response via : Initial Calibration

Calibration Files
20 =K3033.D 10 =K3034.D 5.0 =K3035.D
1.0 =K3036.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.355	0.346	0.321			
43)	T	2,4,5-Trichlorophen	0.429	0.460				
44)	S	2-Fluorobiphenyl	1.157	1.198	1.161			
45)	T	2-Chloronaphthalene	1.145	1.194	1.161			
46)	T	2-Nitroaniline	0.415	0.406	0.357			
47)	T	Dimethyl phthalate	1.502	1.520	1.457			
48)	T	2,6-Dinitrotoluene	0.345	0.329	0.305			
49)	T	Acenaphthylene	1.866	1.907	1.811			
50)	T	3-Nitroaniline	0.419	0.421	0.373			
51)	TCM	Acenaphthene	1.105	1.119	1.120			
52)	TP	2,4-Dinitrophenol	0.178					
53)	MP	4-Nitrophenol	0.261					
54)	M	2,4-Dinitrotoluene	0.450	0.443	0.376			
55)	T	Dibenzofuran	1.948	2.027	1.989			
56)	T	Diethyl phthalate	1.561	1.599	1.513			
57)	T	4-Chlorophenyl phen	0.565	0.578	0.576			
[illegible])	T	Fluorene	1.319	1.354	1.325			
)	T	4-Nitroaniline	0.447	0.447	0.410			
60)	T	1,2-Diphenylhydrazi	1.466	1.485	1.408			
61)	S	2,4,6-Tribromopheno	0.235	0.210	0.175			
62)	I	Phenanthrene-d10	----------ISTD----------					
63)	T	4,6-Dinitro-2-methy	0.140	0.123				
64)	TC	n-Nitrosodiphenylam	0.529	0.539	0.523			
65)	T	4-Bromophenyl pheny	0.177	0.175	0.158			
66)	T	Hexachlorobenzene	0.237	0.227	0.218			
67)	MC	Pentachlorophenol	0.116					
68)	T	Phenanthrene	1.027	1.051	1.033			
69)	T	Anthracene	1.036	1.052	1.057			
70)	T	Carbazole	1.009	1.024	0.982			
71)	T	Di-n-butyl phthalat	1.539	1.491	1.364			
72)	TC	Fluoranthene	1.011	1.018	0.955			
73)	I	Chrysene-d12	----------ISTD----------					
74)	T	Benzidine	0.543					
75)	M	Pyrene	1.287	1.311	1.320			
76)	S	Terphenyl-d14	0.732	0.703	0.706			
77)	T	Butyl benzyl phthal	0.840	0.811	0.739			
78)	T	3,3'-Dichlorobenzid	0.379	0.354	0.328			
79)	T	Benzo[a]anthracene	1.042	1.043	1.053			
80)	T	bis(2-Ethylhexyl)ph	1.163	1.112	1.037			
81)	T	Chrysene	0.944	0.949	0.951			
	TC	Di-n-octyl phthalat	1.939	1.796	1.536			
83)	T	Indeno[1,2,3-cd]pyr	1.038	0.944	0.860			

(#) = Out of Range ### Number of calibration levels exceeded format ###

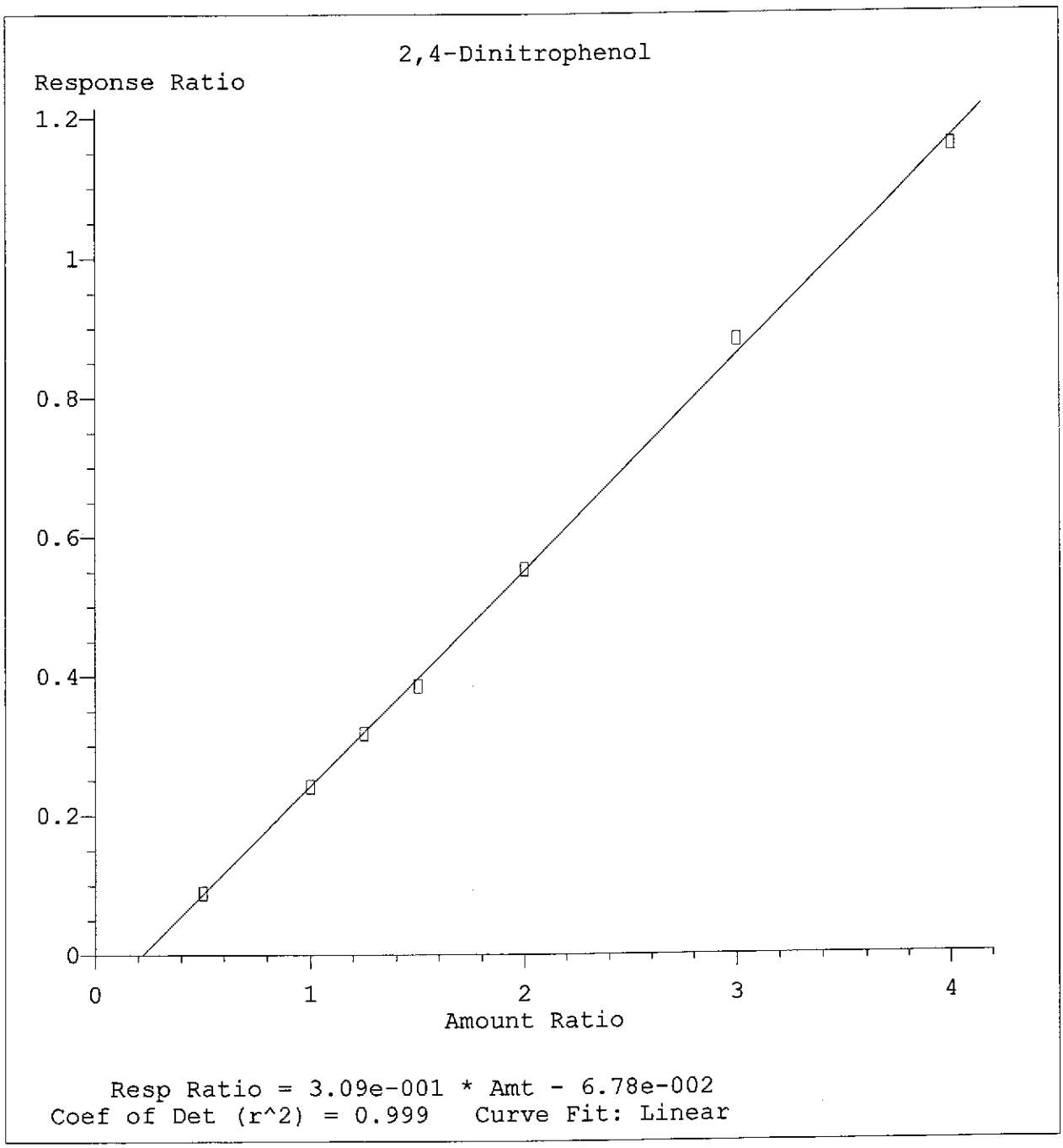
Response Factor Report #6MS40

Method : C:\HPCHEM\1\METHODS\KO23FULL.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Tue Oct 23 14:45:27 2007
Response via : Initial Calibration

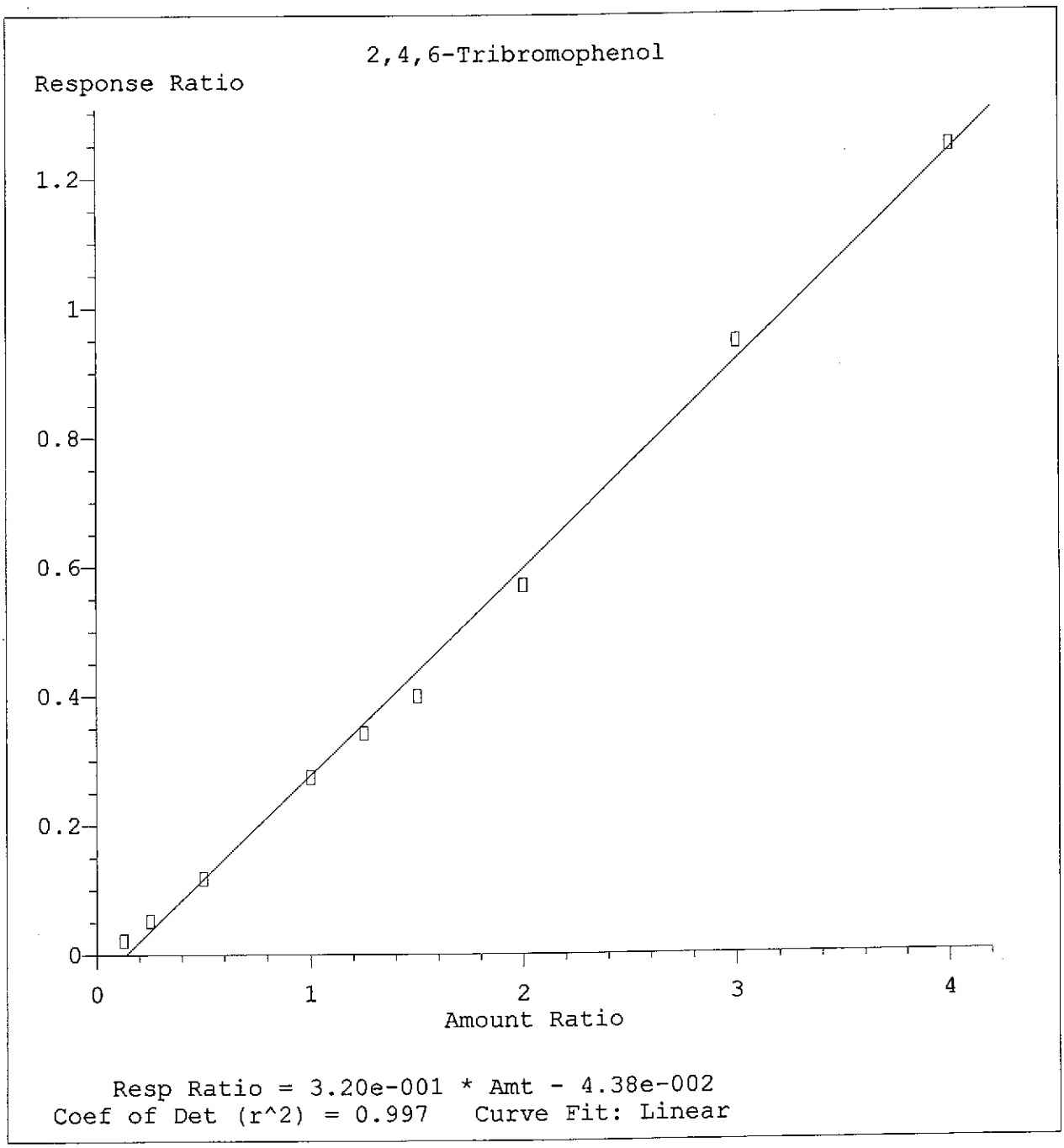
Calibration Files
20 =K3033.D 10 =K3034.D 5.0 =K3035.D
1.0 =K3036.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
84)	I	Perylene-d12	ISTD					
85)	T	Benzo[b]fluoranthen	1.020	0.938	0.938			
86)	T	Benzo[k]fluoranthen	0.986	0.990	0.949			
87)	TC	Benzo[a]pyrene	0.908	0.882	0.833			
88)	T	Dibenz[a,h]anthrace	0.976	0.917	0.826			
89)	T	Benzo[g,h,i]perylen	0.921	0.849	0.817			

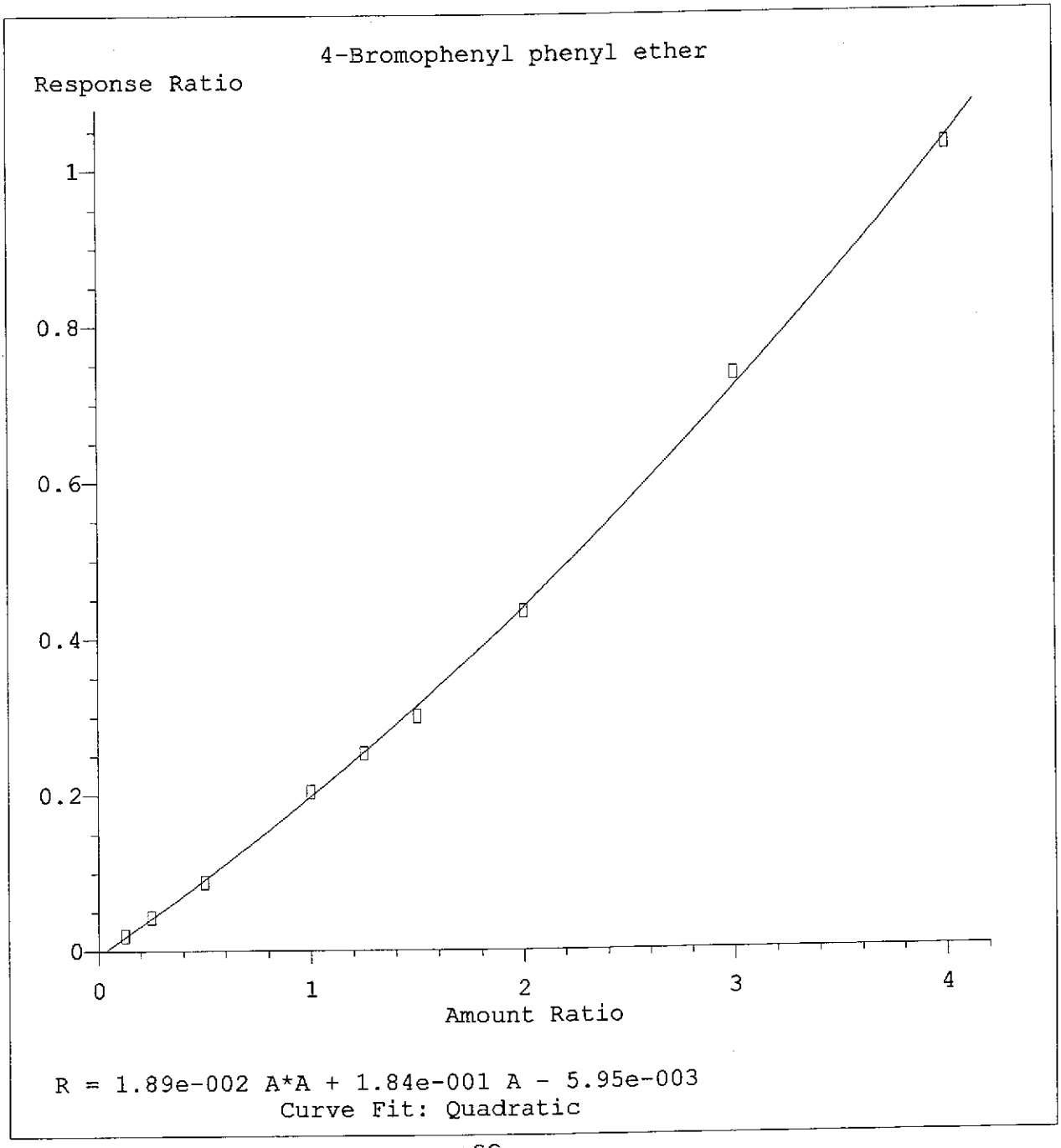
(#) = Out of Range ### Number of calibration levels exceeded format ###



Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007

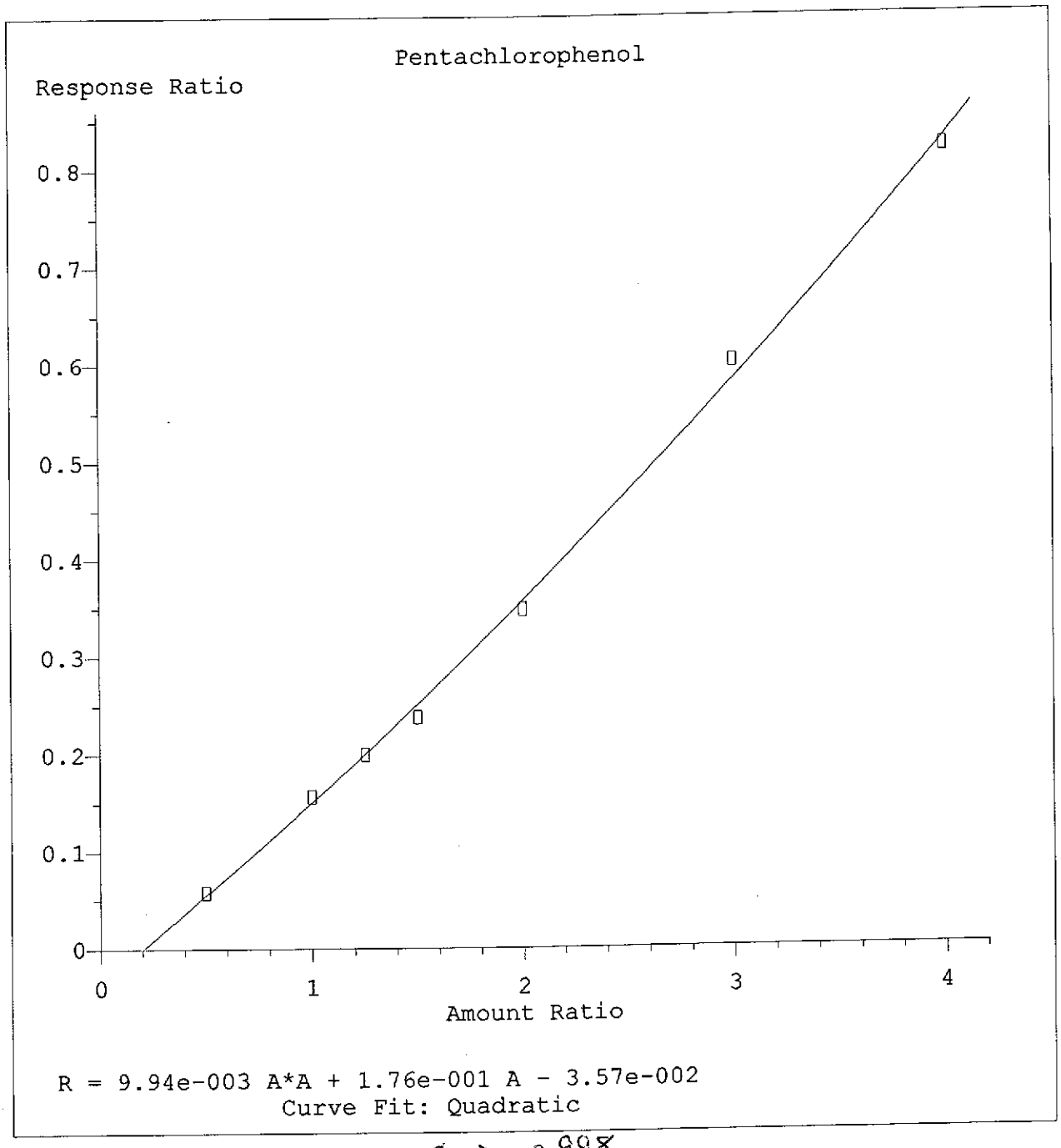


Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



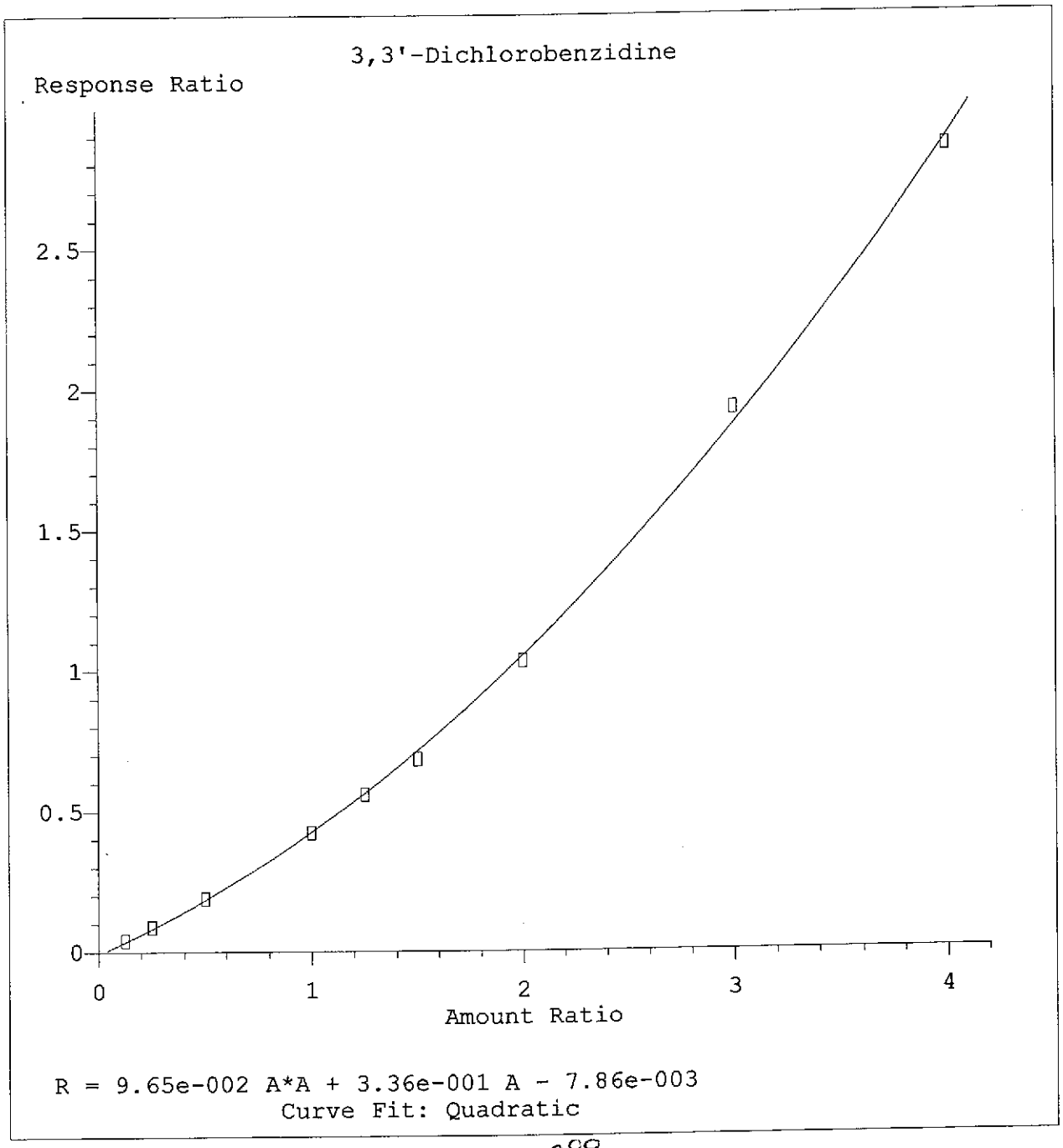
COD = 0.999

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



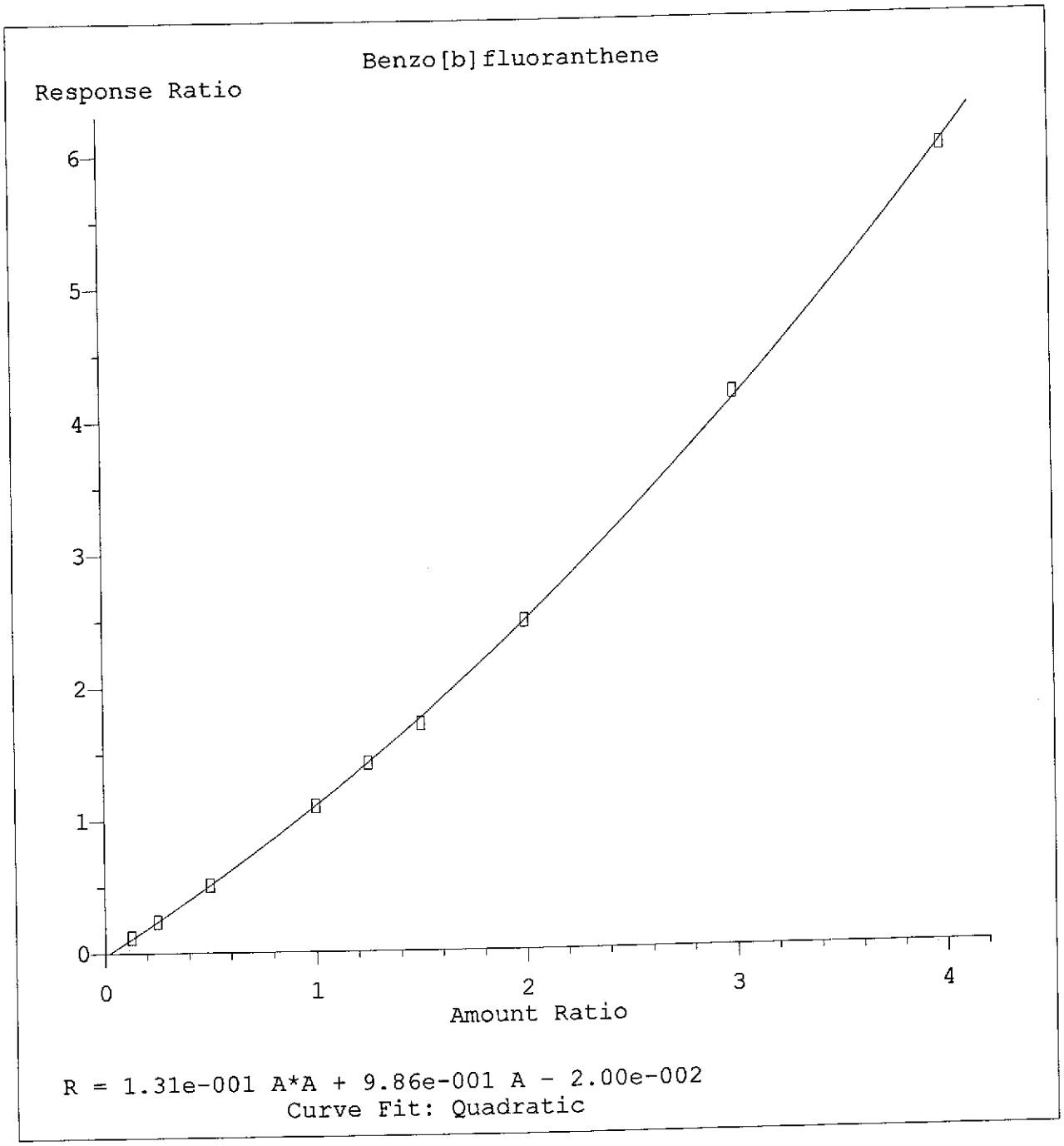
COD = 0.998

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



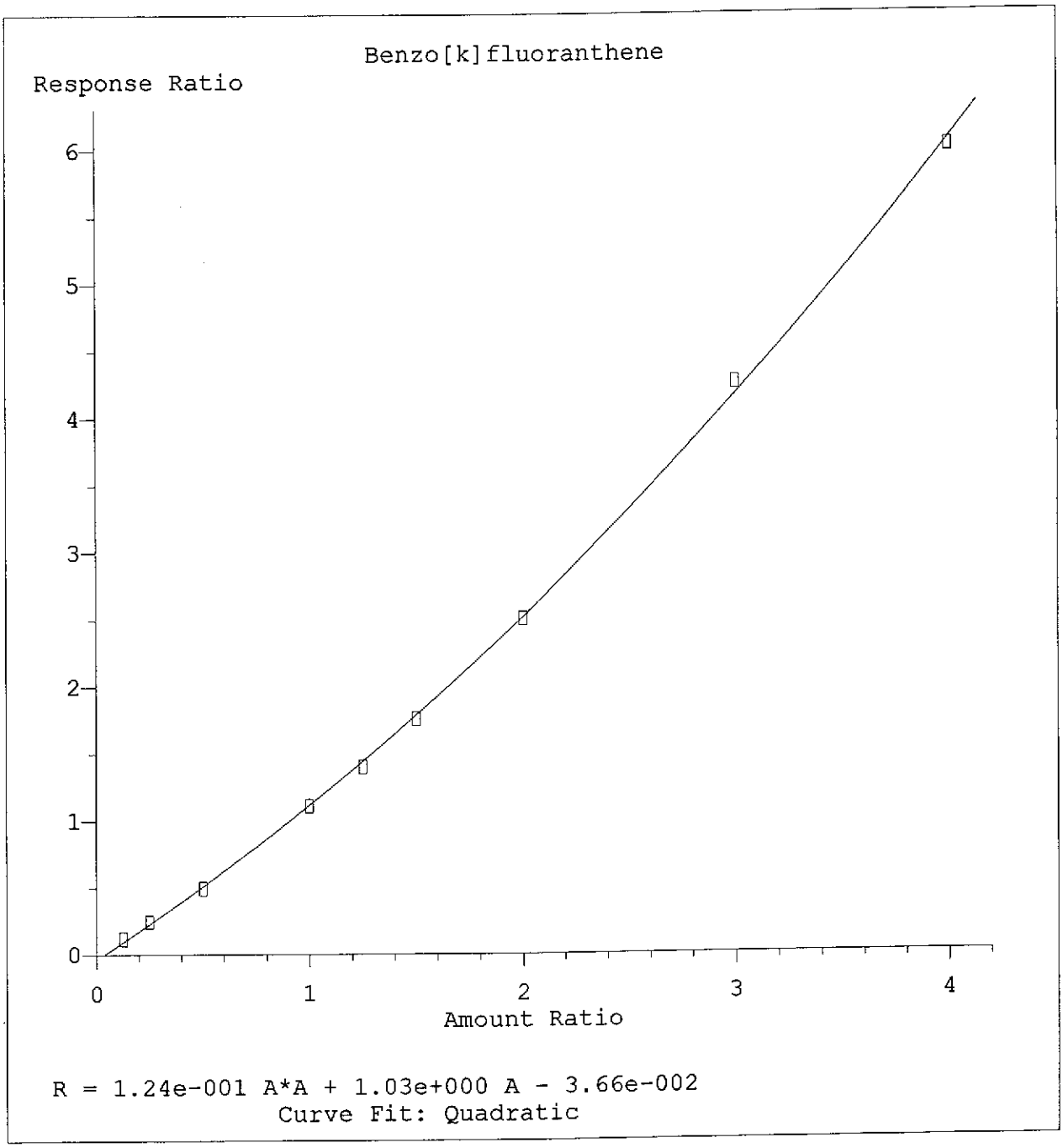
COD = 0.999

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



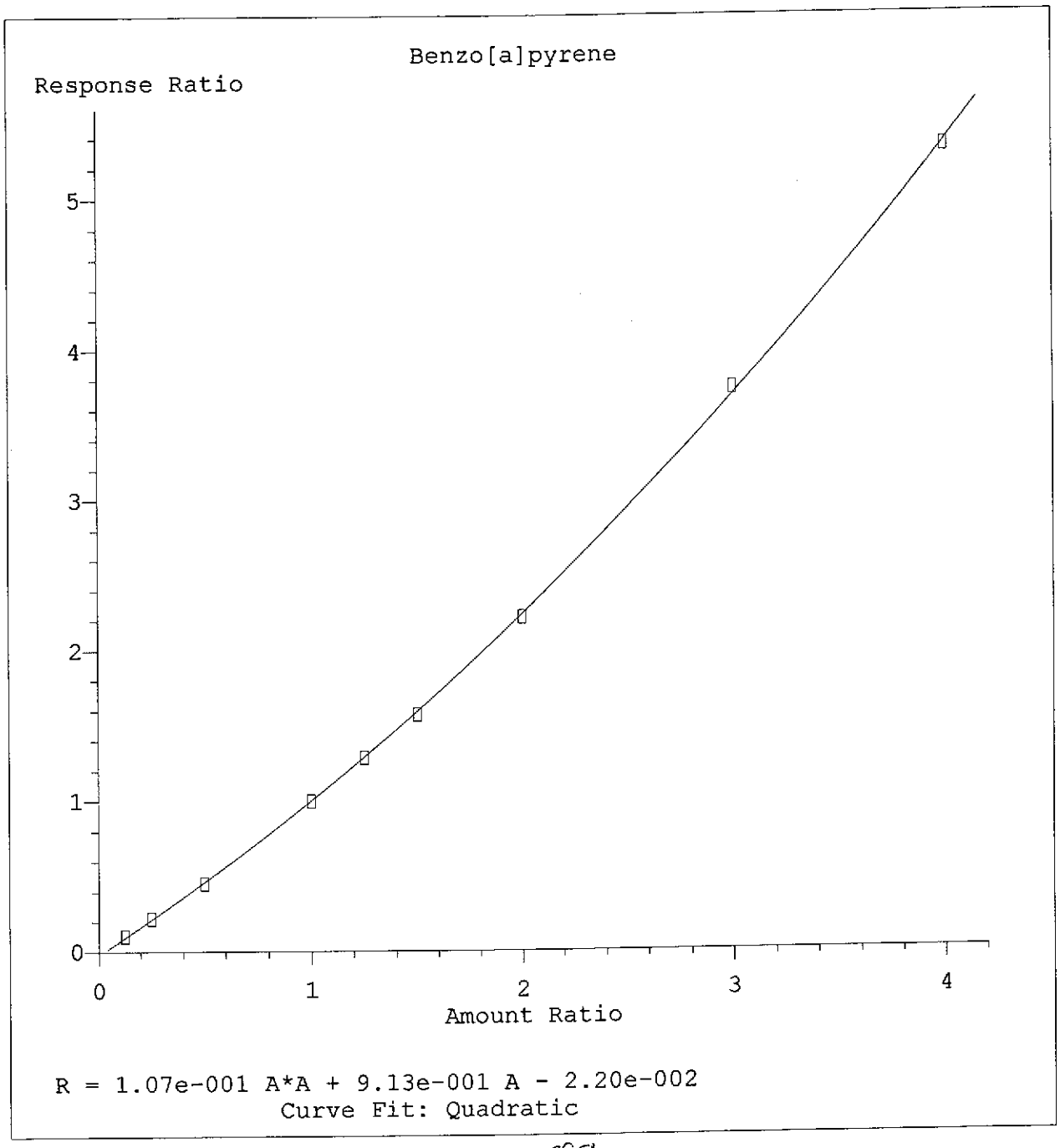
COD = 1.00

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



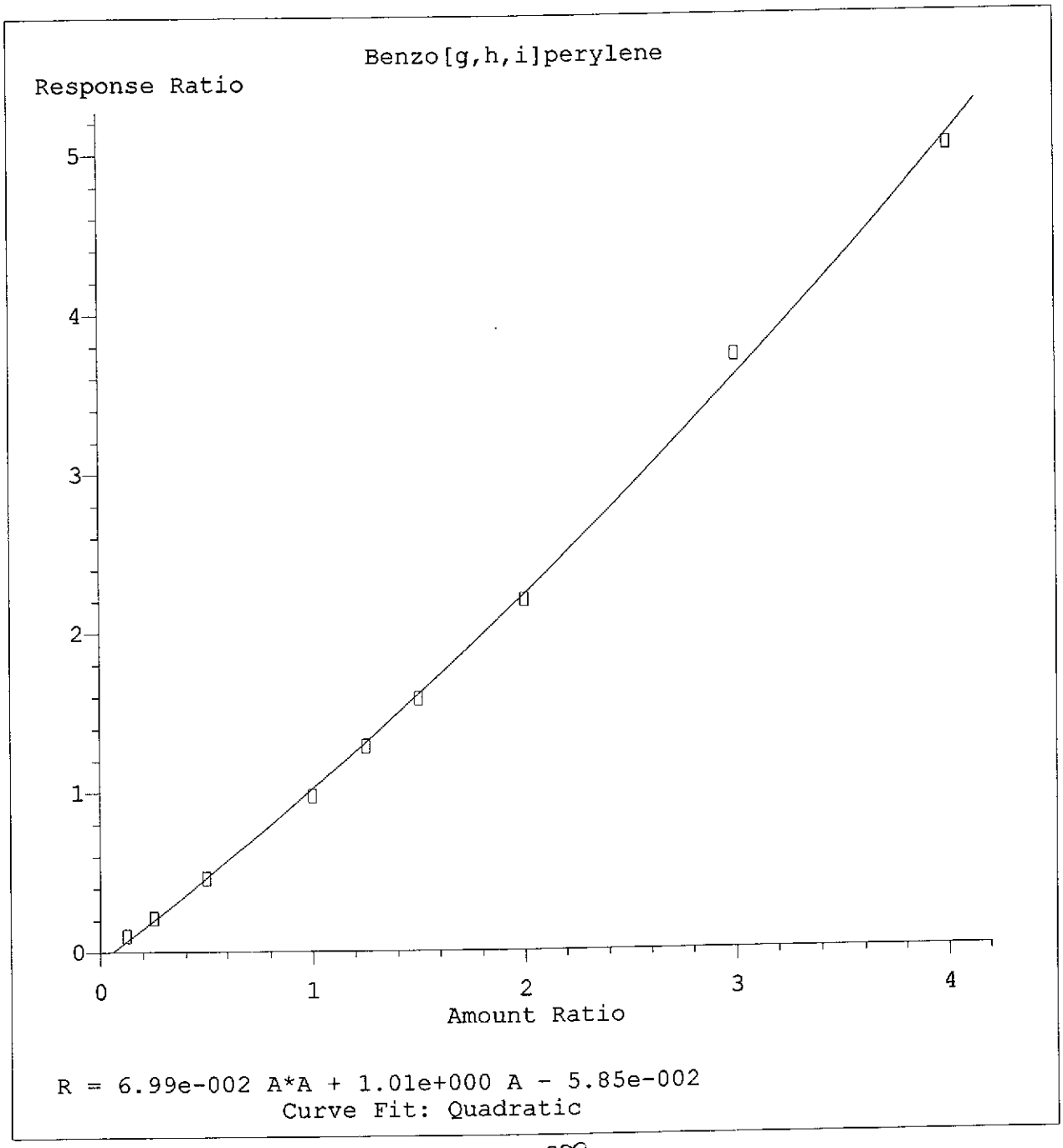
COD=1.00

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



COD = 0.998

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007



COD = 0.999

Method Name: C:\HPCHEM\1\METHODS\KO23FULL.M
Calibration Table Last Updated: Tue Oct 23 14:45:27 2007

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8270C	**AAB #:**	R11605
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS06_40	**Initial Calibration ID:**	1089
Second Source ID:	ICV-102307	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
1,2,4-Trichlorobenzene	50000	48000	4.0	
1,2-Dichlorobenzene	50000	50000	-0.3	
1,3-Dichlorobenzene	50000	50000	0.3	
1,4-Dichlorobenzene	50000	50000	0.4	
2,4,5-Trichlorophenol	50000	46000	8.3	
2,4,6-Trichlorophenol	50000	49000	1.5	
2,4-Dichlorophenol	50000	49000	1.3	
2,4-Dimethylphenol	50000	51000	-2.2	
2,4-Dinitrophenol	50000	45000	10.2	
2,4-Dinitrotoluene	50000	50000	0.2	
2,6-Dinitrotoluene	50000	49000	1.3	
2-Chloronaphthalene	50000	50000	0.5	
2-Chlorophenol	50000	50000	-0.2	
2-Methylnaphthalene	50000	48000	3.9	
2-Methylphenol	50000	48000	4.5	
2-Nitroaniline	50000	47000	5.1	
2-Nitrophenol	50000	50000	0	
3,3´-Dichlorobenzidine	50000	48000	4.1	
3-Nitroaniline	50000	47000	5.5	
4,6-Dinitro-2-methylphenol	50000	47000	5.0	
4-Bromophenyl phenyl ether	50000	47000	5.1	
4-Chloro-3-methylphenol	50000	51000	-1.0	
4-Chloroaniline	50000	48000	4.4	
4-Chlorophenyl phenyl ether	50000	48000	4.0	
4-Methylphenol	50000	48000	4.8	
4-Nitroaniline	50000	46000	7.5	
4-Nitrophenol	50000	48000	4.9	
Acenaphthene	50000	51000	-1.6	
Acenaphthylene	50000	51000	-1.0	
Anthracene	50000	50000	0.6	
Benzo[a]anthracene	50000	50000	-0.3	
Benzo[a]pyrene	50000	50000	0.1	
Benzo[b]fluoranthene	50000	51000	-1.1	
Benzo[g,h,i]perylene	50000	48000	3.2	
Benzo[k]fluoranthene	50000	50000	-0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8270C	**AAB #:**	R11605
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	MS06_40	**Initial Calibration ID:**	1089
Second Source ID:	ICV-102307	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Benzoic acid	50000	41000	18.7	
Benzyl alcohol	50000	47000	5.9	
bis(2-Chloroethoxy)methane	50000	49000	1.7	
bis(2-chloroethyl)ether	50000	49000	2.5	
bis(2-chloroisopropyl)ether	50000	49000	1.1	
bis(2-Ethylhexyl)phthalate	50000	55000	-9.0	
Butyl benzyl phthalate	50000	56000	-11.2	
Chrysene	50000	48000	3.3	
Di-n-butyl phthalate	50000	50000	0.2	
Di-n-octyl phthalate	50000	53000	-6.8	
Dibenz[a,h]anthracene	50000	47000	5.7	
Dibenzofuran	50000	47000	5.4	
Diethyl phthalate	50000	49000	1.2	
Dimethyl phthalate	50000	49000	1.6	
Fluoranthene	50000	48000	4.4	
Fluorene	50000	49000	1.6	
Hexachlorobenzene	50000	47000	6.4	
Hexachlorobutadiene	50000	48000	4.6	
Hexachlorocyclopentadiene	50000	47000	5.8	
Hexachloroethane	50000	50000	-0.7	
Indeno[1,2,3-cd]pyrene	50000	46000	8.0	
Isophorone	50000	49000	1.2	
N-Nitroso-di-n-propylamine	50000	49000	1.6	
N-Nitrosodiphenylamine	50000	49000	2.1	
Naphthalene	50000	50000	-0.2	
Nitrobenzene	50000	48000	3.6	
Pentachlorophenol	50000	45000	10.8	
Phenanthrene	50000	49000	2.1	
Phenol	50000	50000	-0.9	
Pyrene	50000	54000	-8.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8270 AAB #:

Lab Name: Life Science Laboratories, Inc. Contract #:

Instrument ID: HP5972 GCMS #6(40) Initial Calibration ID: KO23FULL.M/1089

ICV ID: ICV-102307 CCV #1 ID:CC102507A6 CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3069.D
Acq On : 25 Oct 2007 7:44
Sample : CC102507A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Wed Oct 24 15:32:09 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	-0.03
2	S	2-Fluorophenol	1.119	1.204	-7.6	93	-0.03
3	S	Phenol-d5	1.368	1.412	-3.2	91	-0.03
4	MC	Phenol	1.596	1.686	-5.6	92	-0.03
5	T	bis(2-Chloroethyl)ether	1.218	1.243	-2.1	91	-0.03
6	M	2-Chlorophenol	1.321	1.372	-3.9	91	-0.03
7	T	1,3-Dichlorobenzene	1.537	1.553	-1.0	90	-0.03
8	MC	1,4-Dichlorobenzene	1.527	1.556	-1.9	90	-0.03
9	T	Benzyl alcohol	0.933	0.947	-1.5	89	-0.03
10	T	1,2-Dichlorobenzene	1.425	1.469	-3.1	91	-0.03
11	T	2-Methylphenol	1.253	1.266	-1.0	89	-0.03
12	T	2,2'-oxybis(1-chloropropane	1.407	1.421	-1.0	90	-0.03
13	T	bis(2-Chloroisopropyl)ether	1.407	1.421	-1.0	90	-0.03
	T	4-Methylphenol	1.353	1.354	-0.1	88	-0.03
15	MP	N-Nitroso-di-n-propylamine	0.947	0.967	-2.1	90	-0.03
16	T	Hexachloroethane	0.639	0.686	-7.4	93	-0.03
17	I	Naphthalene-d8	1.000	1.000	0.0	88	-0.04
18	S	Nitrobenzene-d5	0.349	0.363	-4.0	90	-0.03
19	T	Nitrobenzene	0.406	0.424	-4.4	92	-0.03
20	T	Isophorone	0.684	0.675	1.3	85	-0.03
21	TC	2-Nitrophenol	0.218	0.229	-5.0	88	-0.03
22	T	2,4-Dimethylphenol	0.375	0.334	10.9	78	-0.03
23	T	Benzoic acid	0.273	0.272	0.4	88	-0.04
24	T	bis(2-Chloroethoxy)methane	0.392	0.391	0.3	86	-0.03
25	TC	2,4-Dichlorophenol	0.318	0.312	1.9	85	-0.03
26	M	1,2,4-Trichlorobenzene	0.344	0.335	2.6	87	-0.03
27	T	Naphthalene	0.976	0.979	-0.3	88	-0.03
28	T	4-Chloroaniline	0.502	0.491	2.2	86	-0.03
29	TC	Hexachlorobutadiene	0.235	0.239	-1.7	90	-0.03
30	MC	4-Chloro-3-methylphenol	0.333	0.339	-1.8	88	-0.03
31	T	2-Methylnaphthalene	0.760	0.756	0.5	86	-0.03
32	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.03
33	TC	2,4,6-Trichlorophenol	0.363	0.353	2.8	77	-0.03
34	T	2,4,5-Trichlorophenol	0.451	0.438	2.9	80	-0.03
35	S	2-Fluorobiphenyl	1.153	1.162	-0.8	82	-0.03
36	T	2-Chloronaphthalene	1.138	1.161	-2.0	83	-0.03
	T	2-Nitroaniline	0.431	0.452	-4.9	82	-0.03
	T	Dimethyl phthalate	1.494	1.472	1.5	80	-0.03
39	T	2,6-Dinitrotoluene	0.350	0.344	1.7	77	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3069.D
Acq On : 25 Oct 2007 7:44
Sample : CC102507A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Wed Oct 24 15:32:09 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	Acenaphthylene	1.833	1.876	-2.3	83	-0.03
41	T	3-Nitroaniline	0.426	0.424	0.5	78	-0.03
42	TCM	Acenaphthene	1.065	1.084	-1.8	83	-0.03
43	TP	2,4-Dinitrophenol	0.256	0.216	15.6	70	-0.03
44	MP	4-Nitrophenol	0.291	0.282	3.1	79	-0.03
45	M	2,4-Dinitrotoluene	0.458	0.447	2.4	77	-0.03
46	T	Dibenzofuran	1.942	1.923	1.0	81	-0.03
47	T	Diethyl phthalate	1.572	1.566	0.4	80	-0.03
48	T	4-Chlorophenyl phenyl ether	0.604	0.573	5.1	79	-0.03
49	T	Fluorene	1.288	1.258	2.3	81	-0.03
50	T	4-Nitroaniline	0.448	0.418	6.7	74	-0.03
51	S	2,4,6-Tribromophenol	0.261	0.277	-6.1	83	-0.03
	I	Phenanthrene-d10	1.000	1.000	0.0	75	-0.03
53	T	4,6-Dinitro-2-methylphenol	0.165	0.157	4.8	67	-0.03
54	TC	n-Nitrosodiphenylamine	0.529	0.550	-4.0	78	-0.03
55	T	4-Bromophenyl phenyl ether	0.204	0.208	-2.0	77	-0.03
56	T	Hexachlorobenzene	0.268	0.280	-4.5	79	-0.03
57	MC	Pentachlorophenol	0.167	0.162	3.0	76	-0.03
58	T	Phenanthrene	1.034	1.044	-1.0	76	-0.03
59	T	Anthracene	1.047	1.051	-0.4	76	-0.03
60	T	Di-n-butyl phthalate	1.515	1.564	-3.2	75	-0.03
61	TC	Fluoranthene	1.058	1.000	5.5	70	-0.03
62	I	Chrysene-d12	1.000	1.000	0.0	63	-0.03
63	M	Pyrene	1.277	1.361	-6.6	69	-0.03
64	S	Terphenyl-d14	0.820	0.856	-4.4	67	-0.03
65	T	Butyl benzyl phthalate	0.794	0.877	-10.5	69	-0.03
66	T	3,3'-Dichlorobenzidine	0.474	0.414	12.7	58	-0.03
67	T	Benzo[a]anthracene	1.091	1.067	2.2	63	-0.03
68	T	bis(2-Ethylhexyl)phthalate	1.092	1.204	-10.3	70	-0.03
69	T	Chrysene	1.028	0.994	3.3	62	-0.03
70	TC	Di-n-octyl phthalate	1.844	1.939	-5.2	63	-0.03
71	T	Indeno[1,2,3-cd]pyrene	1.128	1.050	6.9	55	-0.05
72	I	Perylene-d12	1.000	1.000	0.0	58	-0.04
73	T	Benzo[b]fluoranthene	1.155	1.133	1.9	58	-0.04
74	T	Benzo[k]fluoranthene	1.167	1.129	3.3	59	-0.04
	TC	Benzo[a]pyrene	1.042	1.003	3.7	57	-0.04
	T	Dibenz[a,h]anthracene	1.218	1.103	9.4	53	-0.05
77	T	Benzo[g,h,i]perylene	1.027	0.960	6.5	54	-0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3069.D
Acq On : 25 Oct 2007 7:44
Sample : CC102507A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Wed Oct 24 15:32:09 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	91	-0.03
2	S	2-Fluorophenol	50.000	53.795	-7.6	93	-0.03
3	S	Phenol-d5	50.000	51.615	-3.2	91	-0.03
4	MC	Phenol	50.000	52.828	-5.7	92	-0.03
5	T	bis(2-Chloroethyl)ether	50.000	51.028	-2.1	91	-0.03
6	M	2-Chlorophenol	50.000	51.929	-3.9	91	-0.03
7	T	1,3-Dichlorobenzene	50.000	50.530	-1.1	90	-0.03
8	MC	1,4-Dichlorobenzene	50.000	50.940	-1.9	90	-0.03
9	T	Benzyl alcohol	50.000	50.739	-1.5	89	-0.03
10	T	1,2-Dichlorobenzene	50.000	51.564	-3.1	91	-0.03
11	T	2-Methylphenol	50.000	50.517	-1.0	89	-0.03
12	T	2,2'-oxybis(1-chloropropane	50.000	50.504	-1.0	90	-0.03
13	T	bis(2-Chloroisopropyl)ether	50.000	50.504	-1.0	90	-0.03
14	T	4-Methylphenol	50.000	50.043	-0.1	88	-0.03
15	MP	N-Nitroso-di-n-propylamine	50.000	51.077	-2.2	90	-0.03
16	T	Hexachloroethane	50.000	53.728	-7.5	93	-0.03
17	I	Naphthalene-d8	40.000	40.000	0.0	88	-0.04
18	S	Nitrobenzene-d5	50.000	52.062	-4.1	90	-0.03
19	T	Nitrobenzene	50.000	52.221	-4.4	92	-0.03
20	T	Isophorone	50.000	49.331	1.3	85	-0.03
21	TC	2-Nitrophenol	50.000	52.612	-5.2	88	-0.03
22	T	2,4-Dimethylphenol	50.000	44.530	10.9	78	-0.03
23	T	Benzoic acid	50.000	49.827	0.3	88	-0.04
24	T	bis(2-Chloroethoxy)methane	50.000	49.939	0.1	86	-0.03
25	TC	2,4-Dichlorophenol	50.000	48.988	2.0	85	-0.03
26	M	1,2,4-Trichlorobenzene	50.000	48.707	2.6	87	-0.03
27	T	Naphthalene	50.000	50.150	-0.3	88	-0.03
28	T	4-Chloroaniline	50.000	48.937	2.1	86	-0.03
29	TC	Hexachlorobutadiene	50.000	50.814	-1.6	90	-0.03
30	MC	4-Chloro-3-methylphenol	50.000	50.945	-1.9	88	-0.03
31	T	2-Methylnaphthalene	50.000	49.745	0.5	86	-0.03
32	I	Acenaphthene-d10	40.000	40.000	0.0	82	-0.03
33	TC	2,4,6-Trichlorophenol	50.000	48.679	2.6	77	-0.03
34	T	2,4,5-Trichlorophenol	50.000	48.521	3.0	80	-0.03
35	S	2-Fluorobiphenyl	50.000	50.417	-0.8	82	-0.03
36	T	2-Chloronaphthalene	50.000	50.996	-2.0	83	-0.03
37	T	2-Nitroaniline	50.000	52.449	-4.9	82	-0.03
38	T	Dimethyl phthalate	50.000	49.270	1.5	80	-0.03
39	T	2,6-Dinitrotoluene	50.000	49.191	1.6	77	-0.03

(#) = Out of Range
K3069.D KO23AF40.M Fri Oct 26 09:06:43 2007

10/26/07

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3069.D
Acq On : 25 Oct 2007 7:44
Sample : CC102507A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Wed Oct 24 15:32:09 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	T	Acenaphthylene	50.000	51.163	-2.3	83	-0.03
41	T	3-Nitroaniline	50.000	49.710	0.6	78	-0.03
42	TCM	Acenaphthene	50.000	50.891	-1.8	83	-0.03
43	TP	2,4-Dinitrophenol	50.000	43.736	12.5	70	-0.03
44	MP	4-Nitrophenol	50.000	48.438	3.1	79	-0.03
45	M	2,4-Dinitrotoluene	50.000	48.883	2.2	77	-0.03
46	T	Dibenzofuran	50.000	49.507	1.0	81	-0.03
47	T	Diethyl phthalate	50.000	49.805	0.4	80	-0.03
48	T	4-Chlorophenyl phenyl ether	50.000	47.467	5.1	79	-0.03
49	T	Fluorene	50.000	48.859	2.3	81	-0.03
50	T	4-Nitroaniline	50.000	46.683	6.6	74	-0.03
51	S	2,4,6-Tribromophenol	50.000	48.698	2.6	83	-0.03
	I	Phenanthrene-d10	40.000	40.000	0.0	75	-0.03
53	T	4,6-Dinitro-2-methylphenol	50.000	47.521	5.0	67	-0.03
54	TC	n-Nitrosodiphenylamine	50.000	51.990	-4.0	78	-0.03
55	T	4-Bromophenyl phenyl ether	50.000	50.966	-1.9	77	-0.03
56	T	Hexachlorobenzene	50.000	52.346	-4.7	79	-0.03
57	MC	Pentachlorophenol	50.000	50.585	-1.2	76	-0.03
58	T	Phenanthrene	50.000	50.463	-0.9	76	-0.03
59	T	Anthracene	50.000	50.222	-0.4	76	-0.03
60	T	Di-n-butyl phthalate	50.000	51.618	-3.2	75	-0.03
61	TC	Fluoranthene	50.000	47.252	5.5	70	-0.03
62	I	Chrysene-d12	40.000	40.000	0.0	63	-0.03
63	M	Pyrene	50.000	53.297	-6.6	69	-0.03
64	S	Terphenyl-d14	50.000	52.201	-4.4	67	-0.03
65	T	Butyl benzyl phthalate	50.000	55.233	-10.5	69	-0.03
66	T	3,3'-Dichlorobenzidine	50.000	46.800	6.4	58	-0.03
67	T	Benzo[a]anthracene	50.000	48.881	2.2	63	-0.03
68	T	bis(2-Ethylhexyl)phthalate	50.000	55.087	-10.2	70	-0.03
69	T	Chrysene	50.000	48.365	3.3	62	-0.03
70	TC	Di-n-octyl phthalate	50.000	52.577	-5.2	63	-0.03
71	T	Indeno[1,2,3-cd]pyrene	50.000	46.557	6.9	55	-0.05
72	I	Perylene-d12	40.000	40.000	0.0	58	-0.04
73	T	Benzo[b]fluoranthene	50.000	49.933	0.1	58	-0.04
74	T	Benzo[k]fluoranthene	50.000	49.069	1.9	59	-0.04
	TC	Benzo[a]pyrene	50.000	48.884	2.2	57	-0.04
	T	Dibenz[a,h]anthracene	50.000	45.857	8.3	53	-0.05
77	T	Benzo[g,h,i]perylene	50.000	46.343	7.3	54	-0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8270 AAB #:

Lab Name: Life Science Laboratories, Inc. Contract #:

Instrument ID: HP5972 GCMS #6(40) Initial Calibration ID: KO23FULL.M/1089

ICV ID: ICV-102307 CCV #1 ID:CC102607A6 CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3089.D
Acq On : 26 Oct 2007 7:58
Sample : CC102607A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Fri Oct 26 09:43:04 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	129	0.00
2	S	2-Fluorophenol	1.119	1.164	-4.0	128	0.00
3	S	Phenol-d5	1.368	1.400	-2.3	128	0.00
4	MC	Phenol	1.596	1.654	-3.6	128	0.00
5	T	bis(2-Chloroethyl)ether	1.218	1.232	-1.1	128	0.00
6	M	2-Chlorophenol	1.321	1.345	-1.8	127	0.00
7	T	1,3-Dichlorobenzene	1.537	1.539	-0.1	127	0.00
8	MC	1,4-Dichlorobenzene	1.527	1.542	-1.0	127	0.00
9	T	Benzyl alcohol	0.933	0.923	1.1	124	0.00
10	T	1,2-Dichlorobenzene	1.425	1.433	-0.6	126	0.00
11	T	2-Methylphenol	1.253	1.261	-0.6	127	0.00
12	T	2,2'-oxybis(1-chloropropane	1.407	1.439	-2.3	130	0.00
13	T	bis(2-Chloroisopropyl)ether	1.407	1.439	-2.3	130	0.00
	T	4-Methylphenol	1.353	1.352	0.1	126	0.00
15	MP	N-Nitroso-di-n-propylamine	0.947	0.990	-4.5	131	0.00
16	T	Hexachloroethane	0.639	0.665	-4.1	129	-0.01
17	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00
18	S	Nitrobenzene-d5	0.349	0.365	-4.6	127	0.00
19	T	Nitrobenzene	0.406	0.427	-5.2	131	0.00
20	T	Isophorone	0.684	0.704	-2.9	125	0.00
21	TC	2-Nitrophenol	0.218	0.230	-5.5	124	0.00
22	T	2,4-Dimethylphenol	0.375	0.336	10.4	111	0.00
23	T	Benzoic acid	0.273	0.263	3.7	120	0.00
24	T	bis(2-Chloroethoxy)methane	0.392	0.406	-3.6	126	0.00
25	TC	2,4-Dichlorophenol	0.318	0.323	-1.6	124	0.00
26	M	1,2,4-Trichlorobenzene	0.344	0.340	1.2	124	0.00
27	T	Naphthalene	0.976	1.006	-3.1	128	0.00
28	T	4-Chloroaniline	0.502	0.502	0.0	124	0.00
29	TC	Hexachlorobutadiene	0.235	0.241	-2.6	129	-0.01
30	MC	4-Chloro-3-methylphenol	0.333	0.342	-2.7	125	0.00
31	T	2-Methylnaphthalene	0.760	0.790	-3.9	127	0.00
32	I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00
33	TC	2,4,6-Trichlorophenol	0.363	0.359	1.1	115	0.00
34	T	2,4,5-Trichlorophenol	0.451	0.430	4.7	116	0.00
35	S	2-Fluorobiphenyl	1.153	1.161	-0.7	121	0.00
36	T	2-Chloronaphthalene	1.138	1.145	-0.6	120	-0.01
	T	2-Nitroaniline	0.431	0.456	-5.8	122	0.00
	T	Dimethyl phthalate	1.494	1.508	-0.9	120	0.00
39	T	2,6-Dinitrotoluene	0.350	0.350	0.0	115	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3089.D
Acq On : 26 Oct 2007 7:58
Sample : CC102607A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Fri Oct 26 09:43:04 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	Acenaphthylene	1.833	1.868	-1.9	121	0.00
41	T	3-Nitroaniline	0.426	0.425	0.2	115	0.00
42	TCM	Acenaphthene	1.065	1.093	-2.6	122	-0.01
43	TP	2,4-Dinitrophenol	0.256	0.212	17.2	100	0.00
44	MP	4-Nitrophenol	0.291	0.270	7.2	111	0.00
45	M	2,4-Dinitrotoluene	0.458	0.449	2.0	113	0.00
46	T	Dibenzofuran	1.942	1.947	-0.3	120	0.00
47	T	Diethyl phthalate	1.572	1.596	-1.5	119	0.00
48	T	4-Chlorophenyl phenyl ether	0.604	0.591	2.2	119	0.00
49	T	Fluorene	1.288	1.286	0.2	121	0.00
50	T	4-Nitroaniline	0.448	0.427	4.7	111	0.00
51	S	2,4,6-Tribromophenol	0.261	0.274	-5.0	120	0.00
	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00
53	T	4,6-Dinitro-2-methylphenol	0.165	0.155	6.1	100	0.00
54	TC	n-Nitrosodiphenylamine	0.529	0.555	-4.9	119	0.00
55	T	4-Bromophenyl phenyl ether	0.204	0.207	-1.5	115	0.00
56	T	Hexachlorobenzene	0.268	0.278	-3.7	117	0.00
57	MC	Pentachlorophenol	0.167	0.156	6.6	110	-0.01
58	T	Phenanthrene	1.034	1.038	-0.4	113	0.00
59	T	Anthracene	1.047	1.055	-0.8	114	0.00
60	T	Di-n-butyl phthalate	1.515	1.595	-5.3	115	0.00
61	TC	Fluoranthene	1.058	0.999	5.6	105	0.00
62	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
63	M	Pyrene	1.277	1.375	-7.7	103	-0.01
64	S	Terphenyl-d14	0.820	0.883	-7.7	102	0.00
65	T	Butyl benzyl phthalate	0.794	0.920	-15.9	107	-0.01
66	T	3,3'-Dichlorobenzidine	0.474	0.426	10.1	88	0.00
67	T	Benzo[a]anthracene	1.091	1.062	2.7	92	0.00
68	T	bis(2-Ethylhexyl)phthalate	1.092	1.257	-15.1	108	0.00
69	T	Chrysene	1.028	1.006	2.1	93	-0.01
70	TC	Di-n-octyl phthalate	1.844	2.028	-10.0	97	0.00
71	T	Indeno[1,2,3-cd]pyrene	1.128	0.908	19.5	70	0.00
72	I	Perylene-d12	1.000	1.000	0.0	81	-0.01
73	T	Benzo[b]fluoranthene	1.155	1.169	-1.2	83	-0.01
74	T	Benzo[k]fluoranthene	1.167	1.161	0.5	84	0.00
75	TC	Benzo[a]pyrene	1.042	1.005	3.6	79	-0.01
76	T	Dibenz[a,h]anthracene	1.218	1.016	16.6	68	0.00
77	T	Benzo[g,h,i]perylene	1.027	0.861	16.2	68	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3089.D
Acq On : 26 Oct 2007 7:58
Sample : CC102607A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Fri Oct 26 09:43:04 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	129	0.00
2	S	2-Fluorophenol	50.000	52.002	-4.0	128	0.00
3	S	Phenol-d5	50.000	51.154	-2.3	128	0.00
4	MC	Phenol	50.000	51.821	-3.6	128	0.00
5	T	bis(2-Chloroethyl)ether	50.000	50.551	-1.1	128	0.00
6	M	2-Chlorophenol	50.000	50.896	-1.8	127	0.00
7	T	1,3-Dichlorobenzene	50.000	50.056	-0.1	127	0.00
8	MC	1,4-Dichlorobenzene	50.000	50.494	-1.0	127	0.00
9	T	Benzyl alcohol	50.000	49.467	1.1	124	0.00
10	T	1,2-Dichlorobenzene	50.000	50.297	-0.6	126	0.00
11	T	2-Methylphenol	50.000	50.343	-0.7	127	0.00
12	T	2,2'-oxybis(1-chloropropane	50.000	51.147	-2.3	130	0.00
13	T	bis(2-Chloroisopropyl)ether	50.000	51.147	-2.3	130	0.00
	T	4-Methylphenol	50.000	49.983	0.0	126	0.00
15	MP	N-Nitroso-di-n-propylamine	50.000	52.284	-4.6	131	0.00
16	T	Hexachloroethane	50.000	52.076	-4.2	129	-0.01
17	I	Naphthalene-d8	40.000	40.000	0.0	124	0.00
18	S	Nitrobenzene-d5	50.000	52.304	-4.6	127	0.00
19	T	Nitrobenzene	50.000	52.514	-5.0	131	0.00
20	T	Isophorone	50.000	51.500	-3.0	125	0.00
21	TC	2-Nitrophenol	50.000	52.804	-5.6	124	0.00
22	T	2,4-Dimethylphenol	50.000	44.758	10.5	111	0.00
23	T	Benzoic acid	50.000	48.086	3.8	120	0.00
24	T	bis(2-Chloroethoxy)methane	50.000	51.834	-3.7	126	0.00
25	TC	2,4-Dichlorophenol	50.000	50.711	-1.4	124	0.00
26	M	1,2,4-Trichlorobenzene	50.000	49.365	1.3	124	0.00
27	T	Naphthalene	50.000	51.516	-3.0	128	0.00
28	T	4-Chloroaniline	50.000	50.082	-0.2	124	0.00
29	TC	Hexachlorobutadiene	50.000	51.223	-2.4	129	-0.01
30	MC	4-Chloro-3-methylphenol	50.000	51.398	-2.8	125	0.00
31	T	2-Methylnaphthalene	50.000	51.967	-3.9	127	0.00
32	I	Acenaphthene-d10	40.000	40.000	0.0	120	0.00
33	TC	2,4,6-Trichlorophenol	50.000	49.485	1.0	115	0.00
34	T	2,4,5-Trichlorophenol	50.000	47.594	4.8	116	0.00
35	S	2-Fluorobiphenyl	50.000	50.355	-0.7	121	0.00
36	T	2-Chloronaphthalene	50.000	50.299	-0.6	120	-0.01
37	T	2-Nitroaniline	50.000	52.936	-5.9	122	0.00
	T	Dimethyl phthalate	50.000	50.459	-0.9	120	0.00
39	T	2,6-Dinitrotoluene	50.000	50.000	0.0	115	0.00

(#) = Out of Range

Mark Shaw 10/29/07

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K3089.D
Acq On : 26 Oct 2007 7:58
Sample : CC102607A6
Misc : CCV ,8270WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #6MS40
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\KO23AF40.M (RTE Integrator)
Title : BNA's w/J & W DB-5MS .25mm x 30m, 0.5df
Last Update : Fri Oct 26 09:43:04 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	T	Acenaphthylene	50.000	50.952	-1.9	121	0.00
41	T	3-Nitroaniline	50.000	49.890	0.2	115	0.00
42	TCM	Acenaphthene	50.000	51.308	-2.6	122	-0.01
43	TP	2,4-Dinitrophenol	50.000	43.104	13.8	100	0.00
44	MP	4-Nitrophenol	50.000	46.363	7.3	111	0.00
45	M	2,4-Dinitrotoluene	50.000	49.053	1.9	113	0.00
46	T	Dibenzofuran	50.000	50.116	-0.2	120	0.00
47	T	Diethyl phthalate	50.000	50.765	-1.5	119	0.00
48	T	4-Chlorophenyl phenyl ether	50.000	48.949	2.1	119	0.00
49	T	Fluorene	50.000	49.911	0.2	121	0.00
50	T	4-Nitroaniline	50.000	47.607	4.8	111	0.00
51	S	2,4,6-Tribromophenol	50.000	48.289	3.4	120	0.00
	I	Phenanthrene-d10	40.000	40.000	0.0	113	0.00
53	T	4,6-Dinitro-2-methylphenol	50.000	46.902	6.2	100	0.00
54	TC	n-Nitrosodiphenylamine	50.000	52.502	-5.0	119	0.00
55	T	4-Bromophenyl phenyl ether	50.000	50.819	-1.6	115	0.00
56	T	Hexachlorobenzene	50.000	51.879	-3.8	117	0.00
57	MC	Pentachlorophenol	50.000	49.072	1.9	110	-0.01
58	T	Phenanthrene	50.000	50.173	-0.3	113	0.00
59	T	Anthracene	50.000	50.400	-0.8	114	0.00
60	T	Di-n-butyl phthalate	50.000	52.648	-5.3	115	0.00
61	TC	Fluoranthene	50.000	47.193	5.6	105	0.00
62	I	Chrysene-d12	40.000	40.000	0.0	93	0.00
63	M	Pyrene	50.000	53.865	-7.7	103	-0.01
64	S	Terphenyl-d14	50.000	53.807	-7.6	102	0.00
65	T	Butyl benzyl phthalate	50.000	57.913	-15.8	107	-0.01
66	T	3,3'-Dichlorobenzidine	50.000	47.809	4.4	88	0.00
67	T	Benzo[a]anthracene	50.000	48.673	2.7	92	0.00
68	T	bis(2-Ethylhexyl)phthalate	50.000	57.515	-15.0	108	0.00
69	T	Chrysene	50.000	48.940	2.1	93	-0.01
70	TC	Di-n-octyl phthalate	50.000	54.980	-10.0	97	0.00
71	T	Indeno[1,2,3-cd]pyrene	50.000	40.258	19.5	70	0.00
72	I	Perylene-d12	40.000	40.000	0.0	81	-0.01
73	T	Benzo[b]fluoranthene	50.000	51.317	-2.6	83	-0.01
74	T	Benzo[k]fluoranthene	50.000	50.262	-0.5	84	0.00
75	TC	Benzo[a]pyrene	50.000	48.966	2.1	79	-0.01
76	T	Dibenz[a,h]anthracene	50.000	42.848	14.3	68	0.00
77	T	Benzo[g,h,i]perylene	50.000	42.084	15.8	68	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-6422
Initial Calibration ID:	1089	**File ID:**	K3071.D

Analyte	Method Blank	RL	Q
1,2,4-Trichlorobenzene	0.10	10.0	U
1,2-Dichlorobenzene	0.07	10.0	U
1,3-Dichlorobenzene	0.06	10.0	U
1,4-Dichlorobenzene	0.07	10.0	U
2,4,5-Trichlorophenol	0.14	50.0	U
2,4,6-Trichlorophenol	0.10	10.0	U
2,4-Dichlorophenol	0.08	10.0	U
2,4-Dimethylphenol	0.25	10.0	U
2,4-Dinitrophenol	10.0	50.0	U
2,4-Dinitrotoluene	1.20	10.0	U
2,6-Dinitrotoluene	1.20	10.0	U
2-Chloronaphthalene	0.11	10.0	U
2-Chlorophenol	0.12	10.0	U
2-Methylnaphthalene	0.05	10.0	U
2-Methylphenol	0.07	10.0	U
2-Nitroaniline	1.20	50.0	U
2-Nitrophenol	0.07	10.0	U
3,3'-Dichlorobenzidine	1.20	20.0	U
3-Nitroaniline	1.20	50.0	U
4,6-Dinitro-2-methylphenol	0.35	50.0	U
4-Bromophenyl phenyl ether	0.15	10.0	U
4-Chloro-3-methylphenol	0.08	20.0	U
4-Chloroaniline	0.10	20.0	U
4-Chlorophenyl phenyl ether	0.12	10.0	U
4-Methylphenol	0.11	50.0	U
4-Nitroaniline	0.19	50.0	U
4-Nitrophenol	2.00	50.0	U
Acenaphthene	0.08	10.0	U
Acenaphthylene	0.10	10.0	U
Anthracene	0.14	10.0	U
Benzo[a]anthracene	0.08	10.0	U
Benzo[a]pyrene	0.15	10.0	U
Benzo[b]fluoranthene	0.50	10.0	U
Benzo[g,h,i]perylene	0.10	10.0	U
Benzo[k]fluoranthene	0.33	10.0	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	ug/L	**Method Blank ID:**	MB-6422
Initial Calibration ID:	1089	**File ID:**	K3071.D

Analyte	Method Blank	RL	Q
Benzoic acid	5.19	100	U
Benzyl alcohol	0.11	20.0	U
bis(2-Chloroethoxy)methane	0.10	10.0	U
bis(2-chloroethyl)ether	0.04	10.0	U
bis(2-chloroisopropyl)ether	1.20	10.0	U
bis(2-Ethylhexyl)phthalate	0.45	10.0	U
Butyl benzyl phthalate	0.16	10.0	U
Chrysene	0.08	10.0	U
Di-n-butyl phthalate	1.58	10.0	U
Di-n-octyl phthalate	0.18	10.0	U
Dibenz[a,h]anthracene	0.09	10.0	U
Dibenzofuran	0.14	10.0	U
Diethyl phthalate	0.13	10.0	U
Dimethyl phthalate	0.10	10.0	U
Fluoranthene	0.06	10.0	U
Fluorene	0.11	10.0	U
Hexachlorobenzene	0.11	10.0	U
Hexachlorobutadiene	1.20	10.0	U
Hexachloroethane	1.20	10.0	U
Indeno[1,2,3-cd]pyrene	0.09	10.0	U
Isophorone	0.12	10.0	U
N-Nitroso-di-n-propylamine	0.15	10.0	U
N-Nitrosodiphenylamine	0.08	10.0	U
Naphthalene	0.06	10.0	U
Nitrobenzene	0.12	10.0	U
Pentachlorophenol	1.20	50.0	U
Phenanthrene	0.10	10.0	U
Phenol	0.09	10.0	U
Pyrene	0.07	10.0	U

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	107	42 - 124	
2-Fluorobiphenyl	91	48 - 120	
2-Fluorophenol	91	20 - 120	
Nitrobenzene-d5	104	41 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8270C	**AAB #:**	6422
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-6422
Initial Calibration ID:	1089	**File ID:**	K3071.D

Surrogate	Recovery	Control Limits	Qualifier
Phenol-d5	96	20 - 120	
Terphenyl-d14	107	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	135265	83942 - 335766	
Acenaphthene-d10	272149	177876 - 711502	
Chrysene-d12	339204	284174 - 1136694	
Naphthalene-d8	494806	307518 - 1230074	
Perylene-d12	294773	257336 - 1029344	
Phenanthrene-d10	451856	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6422 **Initial Calibration ID:** 1089

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K3072.D

Analyte	Expected	Found	%R	Control Limits	Q
1,2,4-Trichlorobenzene	50	35.6	71	37 - 120	
1,2-Dichlorobenzene	50	37.0	74	33 - 120	
1,3-Dichlorobenzene	50	34.8	70	32 - 120	
1,4-Dichlorobenzene	50	35.8	72	32 - 120	
2,4,5-Trichlorophenol	50	46.5	93	49 - 120	
2,4,6-Trichlorophenol	50	49.5	99	49 - 126	
2,4-Dichlorophenol	50	49.4	99	48 - 120	
2,4-Dimethylphenol	50	48.0	96	28 - 120	
2,4-Dinitrophenol	50	41.6	83	25 - 130	
2,4-Dinitrotoluene	50	51.5	103	51 - 120	
2,6-Dinitrotoluene	50	50.8	102	49 - 120	
2-Chloronaphthalene	50	43.8	88	49 - 120	
2-Chlorophenol	50	49.1	98	37 - 120	
2-Methylnaphthalene	50	40.6	81	46 - 120	
2-Methylphenol	50	48.6	97	38 - 120	
2-Nitroaniline	50	50.4	101	48 - 120	
2-Nitrophenol	50	50.5	101	39 - 123	
3,3'-Dichlorobenzidine	50	26.4	53	20 - 120	
3-Nitroaniline	50	43.0	86	20 - 126	
4,6-Dinitro-2-methylphenol	50	47.9	96	40 - 130	
4-Bromophenyl phenyl ether	50	50.2	100	52 - 120	
4-Chloro-3-methylphenol	50	52.6	105	47 - 120	
4-Chloroaniline	50	44.2	88	20 - 120	
4-Chlorophenyl phenyl ether	50	46.2	92	50 - 120	
4-Methylphenol	50	48.5	97	32 - 120	
4-Nitroaniline	50	47.0	94	36 - 120	
4-Nitrophenol	50	49.8	100	20 - 120	
Acenaphthene	50	47.8	96	47 - 120	
Acenaphthylene	50	46.1	92	50 - 120	
Anthracene	50	49.1	98	54 - 120	
Benzo[a]anthracene	50	49.1	98	56 - 120	
Benzo[a]pyrene	50	47.8	96	53 - 120	
Benzo[b]fluoranthene	50	51.2	102	45 - 124	
Benzo[g,h,i]perylene	50	43.2	86	38 - 123	
Benzo[k]fluoranthene	50	49.4	99	45 - 124	
Benzoic acid	50	6.40	13	20 - 120	*
Benzyl alcohol	50	48.4	97	30 - 120	
bis(2-Chloroethoxy)methane	50	50.9	102	46 - 120	
bis(2-chloroethyl)ether	50	48.5	97	37 - 120	
bis(2-chloroisopropyl)ether	50	45.0	90	26 - 131	
bis(2-Ethylhexyl)phthalate	50	55.2	110	42 - 126	
Butyl benzyl phthalate	50	55.0	110	46 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6422 **Initial Calibration ID:** 1089

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K3072.D

Analyte	Expected	Found	%R	Control Limits	Q
Chrysene	50	48.3	97	55 - 120	
Di-n-butyl phthalate	50	52.7	105	54 - 120	
Di-n-octyl phthalate	50	52.8	106	37 - 137	
Dibenz[a,h]anthracene	50	43.8	88	42 - 127	
Dibenzofuran	50	45.3	91	54 - 120	
Diethyl phthalate	50	52.8	106	41 - 120	
Dimethyl phthalate	50	51.0	102	25 - 127	
Fluoranthene	50	48.6	97	54 - 120	
Fluorene	50	47.6	95	50 - 120	
Hexachlorobenzene	50	53.8	108	52 - 120	
Hexachlorobutadiene	50	32.6	65	27 - 120	
Hexachloroethane	50	34.3	69	28 - 120	
Indeno[1,2,3-cd]pyrene	50	42.1	84	43 - 125	
Isophorone	50	51.3	103	50 - 120	
N-Nitroso-di-n-propylamine	50	53.1	106	34 - 128	
N-Nitrosodiphenylamine	50	48.8	98	48 - 120	
Naphthalene	50	39.9	80	39 - 120	
Nitrobenzene	50	50.3	101	44 - 120	
Pentachlorophenol	50	51.6	103	38 - 120	
Phenanthrene	50	49.2	98	51 - 120	
Phenol	50	50.7	101	20 - 120	
Pyrene	50	51.2	102	49 - 128	

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	126	42 - 124	*
2-Fluorobiphenyl	95	48 - 120	
2-Fluorophenol	95	20 - 120	
Nitrobenzene-d5	106	41 - 120	
Phenol-d5	99	20 - 120	
Terphenyl-d14	101	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	144114	83942 - 335766	
Acenaphthene-d10	300090	177876 - 711502	
Chrysene-d12	409778	284174 - 1136694	
Naphthalene-d8	526673	307518 - 1230074	
Perylene-d12	336962	257336 - 1029344	
Phenanthrene-d10	508792	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6422 **Initial Calibration ID:** 1089

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K3073.D

Analyte	Expected	Found	%R	Control Limits	Q
1,2,4-Trichlorobenzene	50	32.7	65	37 - 120	
1,2-Dichlorobenzene	50	34.9	70	33 - 120	
1,3-Dichlorobenzene	50	33.0	66	32 - 120	
1,4-Dichlorobenzene	50	33.8	68	32 - 120	
2,4,5-Trichlorophenol	50	43.5	87	49 - 120	
2,4,6-Trichlorophenol	50	47.6	95	49 - 126	
2,4-Dichlorophenol	50	46.4	93	48 - 120	
2,4-Dimethylphenol	50	43.4	87	28 - 120	
2,4-Dinitrophenol	50	40.9	82	25 - 130	
2,4-Dinitrotoluene	50	49.0	98	51 - 120	
2,6-Dinitrotoluene	50	48.6	97	49 - 120	
2-Chloronaphthalene	50	41.0	82	49 - 120	
2-Chlorophenol	50	47.5	95	37 - 120	
2-Methylnaphthalene	50	37.4	75	46 - 120	
2-Methylphenol	50	45.6	91	38 - 120	
2-Nitroaniline	50	48.3	97	48 - 120	
2-Nitrophenol	50	47.2	94	39 - 123	
3,3'-Dichlorobenzidine	50	24.2	48	20 - 120	
3-Nitroaniline	50	38.4	77	20 - 126	
4,6-Dinitro-2-methylphenol	50	45.9	92	40 - 130	
4-Bromophenyl phenyl ether	50	47.5	95	52 - 120	
4-Chloro-3-methylphenol	50	49.5	99	47 - 120	
4-Chloroaniline	50	38.1	76	20 - 120	
4-Chlorophenyl phenyl ether	50	42.7	85	50 - 120	
4-Methylphenol	50	45.4	91	32 - 120	
4-Nitroaniline	50	43.1	86	36 - 120	
4-Nitrophenol	50	47.6	95	20 - 120	
Acenaphthene	50	44.6	89	47 - 120	
Acenaphthylene	50	43.1	86	50 - 120	
Anthracene	50	48.0	96	54 - 120	
Benzo[a]anthracene	50	48.5	97	56 - 120	
Benzo[a]pyrene	50	46.8	94	53 - 120	
Benzo[b]fluoranthene	50	49.1	98	45 - 124	
Benzo[g,h,i]perylene	50	43.0	86	38 - 123	
Benzo[k]fluoranthene	50	48.3	97	45 - 124	
Benzoic acid	50	12.1	24	20 - 120	
Benzyl alcohol	50	46.2	92	30 - 120	
bis(2-Chloroethoxy)methane	50	48.2	96	46 - 120	
bis(2-chloroethyl)ether	50	46.0	92	37 - 120	
bis(2-chloroisopropyl)ether	50	42.8	86	26 - 131	
bis(2-Ethylhexyl)phthalate	50	56.0	112	42 - 126	
Butyl benzyl phthalate	50	55.1	110	46 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6422 **Initial Calibration ID:** 1089

Concentration Units (mg/L or mg/kg): ug/L **File ID:** K3073.D

Analyte	Expected	Found	%R	Control Limits	Q
Chrysene	50	47.9	96	55 - 120	
Di-n-butyl phthalate	50	52.6	105	54 - 120	
Di-n-octyl phthalate	50	53.7	107	37 - 137	
Dibenz[a,h]anthracene	50	42.7	85	42 - 127	
Dibenzofuran	50	42.7	85	54 - 120	
Diethyl phthalate	50	50.3	101	41 - 120	
Dimethyl phthalate	50	48.3	97	25 - 127	
Fluoranthene	50	47.3	95	54 - 120	
Fluorene	50	44.9	90	50 - 120	
Hexachlorobenzene	50	50.8	102	52 - 120	
Hexachlorobutadiene	50	29.1	58	27 - 120	
Hexachloroethane	50	32.5	65	28 - 120	
Indeno[1,2,3-cd]pyrene	50	42.5	85	43 - 125	
Isophorone	50	47.5	95	50 - 120	
N-Nitroso-di-n-propylamine	50	47.9	96	34 - 128	
N-Nitrosodiphenylamine	50	49.3	99	48 - 120	
Naphthalene	50	37.4	75	39 - 120	
Nitrobenzene	50	46.9	94	44 - 120	
Pentachlorophenol	50	48.1	96	38 - 120	
Phenanthrene	50	48.0	96	51 - 120	
Phenol	50	48.7	97	20 - 120	
Pyrene	50	51.8	104	49 - 128	

Surrogate	Recovery	Control Limits	Qualifier
2,4,6-Tribromophenol	111	42 - 124	
2-Fluorobiphenyl	90	48 - 120	
2-Fluorophenol	91	20 - 120	
Nitrobenzene-d5	102	41 - 120	
Phenol-d5	94	20 - 120	
Terphenyl-d14	99	51 - 135	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	129091	83942 - 335766	
Acenaphthene-d10	259910	177876 - 711502	
Chrysene-d12	333183	284174 - 1136694	
Naphthalene-d8	465121	307518 - 1230074	
Perylene-d12	280120	257336 - 1029344	
Phenanthrene-d10	424410	311576 - 1246306	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-6422 **MS ID:** LCS-6422 **MSD ID:** LCSD-6422

Calibration ID: 1089

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
1,2,4-Trichlorobenzene		50.0	35.6	71	32.7	65	8	37 - 120	20	
1,2-Dichlorobenzene		50.0	37.0	74	34.9	70	6	33 - 120	20	
1,3-Dichlorobenzene		50.0	34.8	70	33.0	66	5	32 - 120	20	
1,4-Dichlorobenzene		50.0	35.8	72	33.8	68	6	32 - 120	20	
2,4,5-Trichlorophenol		50.0	46.5	93	43.5	87	7	49 - 120	20	
2,4,6-Trichlorophenol		50.0	49.5	99	47.6	95	4	49 - 126	20	
2,4-Dichlorophenol		50.0	49.4	99	46.4	93	6	48 - 120	20	
2,4-Dimethylphenol		50.0	48.0	96	43.4	87	10	28 - 120	20	
2,4-Dinitrophenol		50.0	41.6	83	40.9	82	2	25 - 130	20	
2,4-Dinitrotoluene		50.0	51.5	103	49.0	98	5	51 - 120	20	
2,6-Dinitrotoluene		50.0	50.8	102	48.6	97	4	49 - 120	20	
2-Chloronaphthalene		50.0	43.8	88	41.0	82	7	49 - 120	20	
2-Chlorophenol		50.0	49.1	98	47.5	95	3	37 - 120	20	
2-Methylnaphthalene		50.0	40.6	81	37.4	75	8	46 - 120	20	
2-Methylphenol		50.0	48.6	97	45.6	91	6	38 - 120	20	
2-Nitroaniline		50.0	50.4	101	48.3	97	4	48 - 120	20	
2-Nitrophenol		50.0	50.5	101	47.2	94	7	39 - 123	20	
3,3´-Dichlorobenzidine		50.0	26.4	53	24.2	48	8	20 - 120	20	
3-Nitroaniline		50.0	43.0	86	38.4	77	11	20 - 126	20	
4,6-Dinitro-2-methylphenol		50.0	47.9	96	45.9	92	4	40 - 130	20	
4-Bromophenyl phenyl ether		50.0	50.2	100	47.5	95	6	52 - 120	20	
4-Chloro-3-methylphenol		50.0	52.6	105	49.5	99	6	47 - 120	20	
4-Chloroaniline		50.0	44.2	88	38.1	76	15	20 - 120	20	
4-Chlorophenyl phenyl ether		50.0	46.2	92	42.7	85	8	50 - 120	20	
4-Methylphenol		50.0	48.5	97	45.4	91	7	32 - 120	20	
4-Nitroaniline		50.0	47.0	94	43.1	86	9	36 - 120	20	
4-Nitrophenol		50.0	49.8	100	47.6	95	5	20 - 120	20	
Acenaphthene		50.0	47.8	96	44.6	89	7	47 - 120	20	
Acenaphthylene		50.0	46.1	92	43.1	86	7	50 - 120	20	
Anthracene		50.0	49.1	98	48.0	96	2	54 - 120	20	
Benzo[a]anthracene		50.0	49.1	98	48.5	97	1	56 - 120	20	
Benzo[a]pyrene		50.0	47.8	96	46.8	94	2	53 - 120	20	
Benzo[b]fluoranthene		50.0	51.2	102	49.1	98	4	45 - 124	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-6422 **MS ID:** LCS-6422 **MSD ID:** LCSD-6422

Calibration ID: 1089

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Benzo[g,h,i]perylene		50.0	43.2	86	43.0	86	1	38 - 123	20	
Benzo[k]fluoranthene		50.0	49.4	99	48.3	97	2	45 - 124	20	
Benzoic acid		50.0	6.40	13	12.1	24	61	20 - 120	20	*
Benzyl alcohol		50.0	48.4	97	46.2	92	5	30 - 120	20	
bis(2-Chloroethoxy)methane		50.0	50.9	102	48.2	96	5	46 - 120	20	
bis(2-chloroethyl)ether		50.0	48.5	97	46.0	92	5	37 - 120	20	
bis(2-chloroisopropyl)ether		50.0	45.0	90	42.8	86	5	26 - 131	20	
bis(2-Ethylhexyl)phthalate		50.0	55.2	110	56.0	112	2	42 - 126	20	
Butyl benzyl phthalate		50.0	55.0	110	55.1	110	0	46 - 120	20	
Chrysene		50.0	48.3	97	47.9	96	1	55 - 120	20	
Di-n-butyl phthalate		50.0	52.7	105	52.6	105	0	54 - 120	20	
Di-n-octyl phthalate		50.0	52.8	106	53.7	107	2	37 - 137	20	
Dibenz[a,h]anthracene		50.0	43.8	88	42.7	85	2	42 - 127	20	
Dibenzofuran		50.0	45.3	91	42.7	85	6	54 - 120	20	
Diethyl phthalate		50.0	52.8	106	50.3	101	5	41 - 120	20	
Dimethyl phthalate		50.0	51.0	102	48.3	97	5	25 - 127	20	
Fluoranthene		50.0	48.6	97	47.3	95	3	54 - 120	20	
Fluorene		50.0	47.6	95	44.9	90	6	50 - 120	20	
Hexachlorobenzene		50.0	53.8	108	50.8	102	6	52 - 120	20	
Hexachlorobutadiene		50.0	32.6	65	29.1	58	11	27 - 120	20	
Hexachloroethane		50.0	34.3	69	32.5	65	6	28 - 120	20	
Indeno[1,2,3-cd]pyrene		50.0	42.1	84	42.5	85	1	43 - 125	20	
Isophorone		50.0	51.3	103	47.5	95	8	50 - 120	20	
N-Nitroso-di-n-propylamine		50.0	53.1	106	47.9	96	10	34 - 128	20	
N-Nitrosodiphenylamine		50.0	48.8	98	49.3	99	1	48 - 120	20	
Naphthalene		50.0	39.9	80	37.4	75	6	39 - 120	20	
Nitrobenzene		50.0	50.3	101	46.9	94	7	44 - 120	20	
Pentachlorophenol		50.0	51.6	103	48.1	96	7	38 - 120	20	
Phenanthrene		50.0	49.2	98	48.0	96	2	51 - 120	20	
Phenol		50.0	50.7	101	48.7	97	4	20 - 120	20	
Pyrene		50.0	51.2	102	51.8	104	1	49 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8270C **AAB #:** 6422

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSW0101BB	0710131-001A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.1	25-Oct-07	40	3.1	
TMCSW0201BB	0710131-002A	18-Oct-07	19-Oct-07	22-Oct-07	7	4	26-Oct-07	40	4.1	
TMCSW0301BB	0710131-003A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.2	25-Oct-07	40	3.2	
TMCSW0401BB	0710131-004A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.2	26-Oct-07	40	3.7	
TMCSW0501BB	0710131-005A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.2	26-Oct-07	40	3.8	
TMCSW0601BB	0710131-006A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.2	26-Oct-07	40	3.8	
TMCSW0701BB	0710131-007A	18-Oct-07	19-Oct-07	22-Oct-07	7	4	26-Oct-07	40	4.1	
TMCSW0801BB	0710131-008A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.1	26-Oct-07	40	3.9	
101807BE	0710131-009A	18-Oct-07	19-Oct-07	22-Oct-07	7	4.3	26-Oct-07	40	3.9	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8270C **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS06_40 **Calibration ID:** 1089

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TD102307A6	TD102307A6	23-Oct-07	7:25	23-Oct-07	7:46
SSTD160PPM	SSTD160PPM	23-Oct-07	7:46	23-Oct-07	8:24
SSTD120PPM	SSTD120PPM	23-Oct-07	8:24	23-Oct-07	9:02
SSTD080PPM	SSTD080PPM	23-Oct-07	9:02	23-Oct-07	9:41
SSTD060PPM	SSTD060PPM	23-Oct-07	9:41	23-Oct-07	10:19
SSTD050PPM	SSTD050PPM	23-Oct-07	10:19	23-Oct-07	10:57
SSTD040PPM	SSTD040PPM	23-Oct-07	10:57	23-Oct-07	11:35
SSTD020PPM	SSTD020PPM	23-Oct-07	11:35	23-Oct-07	12:14
SSTD010PPM	SSTD010PPM	23-Oct-07	12:14	23-Oct-07	12:52
SSTD005PPM	SSTD005PPM	23-Oct-07	12:52	23-Oct-07	13:30
SSTD001PPM	SSTD001PPM	23-Oct-07	13:30	23-Oct-07	14:08
ICV-102307	ICV-102307	23-Oct-07	14:08	23-Oct-07	14:47
SSTD160PPM O	SSTD160PPM OLM	23-Oct-07	14:47	23-Oct-07	15:25
SSTD120PPM O	SSTD120PPM OLM	23-Oct-07	15:25	23-Oct-07	16:03
SSTD080PPM O	SSTD080PPM OLM	23-Oct-07	16:03	23-Oct-07	16:42
SSTD050PPM O	SSTD050PPM OLM	23-Oct-07	16:42	23-Oct-07	17:20
SSTD040PPM O	SSTD040PPM OLM	23-Oct-07	17:20	23-Oct-07	17:58
SSTD020PPM O	SSTD020PPM OLM	23-Oct-07	17:58	23-Oct-07	18:37
SSTD010PPM O	SSTD010PPM OLM	23-Oct-07	18:37	23-Oct-07	19:15
SSTD005PPM O	SSTD005PPM OLM	23-Oct-07	19:15	23-Oct-07	19:15
TD102507A6	TD102507A6	25-Oct-07	7:24	25-Oct-07	9:01
MB-6422	MB-6422	25-Oct-07	9:01	25-Oct-07	9:39
LCS-6422	LCS-6422	25-Oct-07	9:39	25-Oct-07	10:17
LCSD-6422	LCSD-6422	25-Oct-07	10:17	25-Oct-07	10:55
TMCSW0101BB	0710131-001A	25-Oct-07	17:56	25-Oct-07	19:12
TMCSW0301BB	0710131-003A	25-Oct-07	19:12	25-Oct-07	19:12
TD102607A6	TD102607A6	26-Oct-07	7:37	26-Oct-07	7:58
CC102607A6	CC102607A6	26-Oct-07	7:58	26-Oct-07	8:36
TMCSW0401BB	0710131-004A	26-Oct-07	8:36	26-Oct-07	9:14
TMCSW0501BB	0710131-005A	26-Oct-07	9:14	26-Oct-07	9:52
TMCSW0601BB	0710131-006A	26-Oct-07	9:52	26-Oct-07	11:09
TMCSW0801BB	0710131-008A	26-Oct-07	11:09	26-Oct-07	11:47
101807BE	0710131-009A	26-Oct-07	11:47	26-Oct-07	16:51
TMCSW0201BB	0710131-002A	26-Oct-07	16:51	26-Oct-07	17:29
TMCSW0701BB	0710131-007A	26-Oct-07	17:29	26-Oct-07	17:29

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8270C	**AAB #:**	MS06_40_071023A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS06_40	**Injection Date/Time:**	10/23/2007 7:25:00 AM
Initial Calibration ID:	1089	**File ID:**	C:\HPCHEM\1\DATA\K3026.D
Compound:	SW8270C	**Sample ID:**	TD102307A6

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60% of mass 198	38.1	
68	Less than 2% of mass 69	0	
69	Mass 69 relative abundance	49.9	
70	Less than 2% of mass 69	0.3	
127	40 - 60% of mass 198	50.5	
197	Less than 1% of mass 198	0	
198	Base peak, 100% relative abundance	100	
199	5 - 9% of mass 198	6.6	
275	10 - 30% of mass 198	22.9	
365	Greater than 1 % of mass 198	4.2	
441	Present, but less than mass 443	9.4	
442	Greater than 40% of mass 198	56.7	
443	17 - 23% of mass 442	20.1	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8270C	**AAB #:**	MS06_40_071025B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS06_40	**Injection Date/Time:**	10/25/2007 7:24:00 AM
Initial Calibration ID:	1089	**File ID:**	C:\HPCHEM\1\DATA\K3068.D
Compound:	SW8270C	**Sample ID:**	TD102507A6

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60% of mass 198	39.4	
68	Less than 2% of mass 69	0	
69	Mass 69 relative abundance	52.3	
70	Less than 2% of mass 69	0	
127	40 - 60% of mass 198	51.5	
197	Less than 1% of mass 198	0	
198	Base peak, 100% relative abundance	100	
199	5 - 9% of mass 198	7.0	
275	10 - 30% of mass 198	25.5	
365	Greater than 1 % of mass 198	5.5	
441	Present, but less than mass 443	10.5	
442	Greater than 40% of mass 198	62.0	
443	17 - 23% of mass 442	20.2	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8270C	**AAB #:**	MS06_40_071026A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS06_40	**Injection Date/Time:**	10/26/2007 7:37:00 AM
Initial Calibration ID:	1089	**File ID:**	C:\HPCHEM\1\DATA\K3088.D
Compound:	SW8270C	**Sample ID:**	TD102607A6

Mass	Ion Abundance Criteria	% Relative Abundance	Q
51	30 - 60% of mass 198	39.8	
68	Less than 2% of mass 69	0	
69	Mass 69 relative abundance	49.7	
70	Less than 2% of mass 69	0	
127	40 - 60% of mass 198	52.1	
197	Less than 1% of mass 198	0	
198	Base peak, 100% relative abundance	100	
199	5 - 9% of mass 198	6.9	
275	10 - 30% of mass 198	25.1	
365	Greater than 1 % of mass 198	5.1	
441	Present, but less than mass 443	10.7	
442	Greater than 40% of mass 198	65.3	
443	17 - 23% of mass 442	18.6	

Trace Metals Data

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW6010B **AAB #:** R11690

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Date of Calibration: 26-Oct-07 **Initial Calibration ID:** 1095

Instrument ID: ICAP 61E **Concentration Units (mg/L or mg/kg):** mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	r	Q
Aluminum	0	0	10	0	0	0	1	
Antimony	0	0	1	0	0	0	1	
Arsenic	0	0	1	0	0	0	1	
Barium	0	0	1	0	0	0	1	
Beryllium	0	0	1	0	0	0	1	
Boron	0	0	1	0	0	0	1	
Cadmium	0	0	1	0	0	0	1	
Calcium	0	100	20	0	0	0	1	
Chromium	0	10	1	0	0	0	1	
Cobalt	0	0	1	0	0	0	1	
Copper	0	0	1	0	0	0	1	
Iron	0	20	2	0	0	0	1	
Lead	0	20	1	0	0	0	1	
Magnesium	0	0	20	0	0	0	1	
Manganese	0	0	1	0	0	0	1	
Molybdenum	0	0	1	0	0	0	1	
Nickel	0	0	1	0	0	0	1	
Potassium	20	0	0	0	0	0	1	
Selenium	0	0	1	0	0	0	1	
Silver	0	0	0.5	0	0	0	1	
Sodium	0	100	20	0	0	0	1	
Thallium	0	0	1	0	0	0	1	
Vanadium	0	0	1	0	0	0	1	
Zinc	0	0	1	0	0	0	1	

r = correlation coefficient

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICVH	**ICV ID:**	ICVH
CCV #1 ID:	CCVH1	**CCV #2 ID:**	CCVH2
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Calcium	50.0	49.1	-1.8	50.0	49.1	-1.8	50.0	47.9	-4.2	48.6	-2.7	
Chromium	5.00	5.04	0.8	5.00	5.04	0.8	5.00	4.97	-0.5	5.01	0.3	
Iron	10.0	10.2	2.0	10.0	10.2	2.0	10.0	10.0	0.3	10.4	3.5	
Lead	10.0	10.1	1.4	10.0	10.1	1.4	10.0	10.0	0	10.2	1.9	
Sodium	50.0	50.0	0	50.0	50.0	0	50.0	49.7	-0.6	50.5	0.9	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICVH	**ICV ID:**	ICVH
CCV #1 ID:	CCVH3	**CCV #2 ID:**	CCVH4
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Calcium	50.0	49.1	-1.8	50.0	49.1	-1.8	50.0	48.7	-2.6	48.7	-2.5	
Chromium	5.00	5.04	0.8	5.00	5.04	0.8	5.00	5.01	0.3	5.01	0.3	
Iron	10.0	10.2	2.0	10.0	10.2	2.0	10.0	10.2	1.7	10.2	1.7	
Lead	10.0	10.1	1.4	10.0	10.1	1.4	10.0	10.2	1.9	10.2	2.0	
Sodium	50.0	50.0	0	50.0	50.0	0	50.0	50.5	1.0	50.6	1.1	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICVH	**ICV ID:**	ICVH
CCV #1 ID:	CCVH5	**CCV #2 ID:**	CCVH6
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Calcium	50.0	49.1	-1.8	50.0	49.1	-1.8	50.0	48.1	-3.8	47.6	-4.8	
Chromium	5.00	5.04	0.8	5.00	5.04	0.8	5.00	4.94	-1.2	4.89	-2.2	
Iron	10.0	10.2	2.0	10.0	10.2	2.0	10.0	10.0	0.5	9.97	-0.3	
Lead	10.0	10.1	1.4	10.0	10.1	1.4	10.0	10.1	0.8	10.1	0.6	
Sodium	50.0	50.0	0	50.0	50.0	0	50.0	50.2	0.4	50.0	0	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV/IPC	**CCV #2 ID:**	CCV1
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-1.0	1.00	1.01	-1.0	5.00	4.82	3.6	4.72	5.6	
Antimony	0.200	0.208	-4.2	0.200	0.208	-4.2	0.500	0.490	1.9	0.484	3.3	
Arsenic	0.200	0.202	-1.0	0.200	0.202	-1.0	0.500	0.492	1.6	0.485	2.9	
Barium	0.200	0.192	3.8	0.200	0.192	3.8	0.500	0.496	0.9	0.491	1.9	
Beryllium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.494	1.2	0.488	2.4	
Cadmium	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.493	1.3	0.487	2.6	
Calcium	10.0	9.87	1.3	10.0	9.87	1.3	10.0	9.66	3.4	9.50	5.0	
Chromium	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.493	1.3	0.487	2.6	
Cobalt	0.200	0.197	1.3	0.200	0.197	1.3	0.500	0.485	3.0	0.478	4.3	
Copper	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.496	0.7	0.491	1.7	
Iron	1.00	1.02	-1.6	1.00	1.02	-1.6	1.00	0.976	2.4	0.957	4.3	
Lead	0.200	0.203	-1.7	0.200	0.203	-1.7	0.500	0.493	1.3	0.490	2.0	
Magnesium	10.0	9.91	0.9	10.0	9.91	0.9	10.0	9.87	1.3	9.68	3.2	
Manganese	0.200	0.200	-0.2	0.200	0.200	-0.2	0.500	0.490	1.9	0.482	3.5	
Molybdenum	0.200	0.198	0.8	0.200	0.198	0.8	0.500	0.492	1.7	0.485	3.0	
Nickel	0.200	0.200	0	0.200	0.200	0	0.500	0.495	1.0	0.488	2.5	
Potassium	10.0	10.0	-0.3	10.0	10.0	-0.3	10.0	9.96	0.4	9.89	1.1	
Selenium	0.200	0.198	1.1	0.200	0.198	1.1	0.500	0.486	2.8	0.477	4.5	
Silver	0.0500	0.0499	0.2	0.0500	0.0499	0.2	0.250	0.244	2.6	0.240	3.9	
Sodium	10.0	10.4	-4.1	10.0	10.4	-4.1	10.0	10.0	-0.3	10.0	-0	
Thallium	0.200	0.200	0.1	0.200	0.200	0.1	0.500	0.489	2.1	0.481	3.8	
Vanadium	0.200	0.202	-1.2	0.200	0.202	-1.2	0.500	0.483	3.5	0.476	4.8	
Zinc	0.200	0.203	-1.3	0.200	0.203	-1.3	0.500	0.494	1.3	0.489	2.1	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV2	**CCV #2 ID:**	CCV3
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-1.0	1.00	1.01	-1.0	5.00	4.86	2.8	4.82	3.6	
Antimony	0.200	0.208	-4.2	0.200	0.208	-4.2	0.500	0.495	1.1	0.490	1.9	
Arsenic	0.200	0.202	-1.0	0.200	0.202	-1.0	0.500	0.497	0.5	0.491	1.7	
Barium	0.200	0.192	3.8	0.200	0.192	3.8	0.500	0.503	-0.6	0.501	-0.3	
Beryllium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.498	0.3	0.495	0.9	
Cadmium	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.497	0.6	0.493	1.5	
Calcium	10.0	9.87	1.3	10.0	9.87	1.3	10.0	9.71	2.9	9.64	3.6	
Chromium	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.496	0.8	0.492	1.6	
Cobalt	0.200	0.197	1.3	0.200	0.197	1.3	0.500	0.488	2.5	0.483	3.4	
Copper	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.505	-1.0	0.502	-0.5	
Iron	1.00	1.02	-1.6	1.00	1.02	-1.6	1.00	0.982	1.8	0.970	3.0	
Lead	0.200	0.203	-1.7	0.200	0.203	-1.7	0.500	0.498	0.3	0.498	0.4	
Magnesium	10.0	9.91	0.9	10.0	9.91	0.9	10.0	9.87	1.3	9.80	2.0	
Manganese	0.200	0.200	-0.2	0.200	0.200	-0.2	0.500	0.492	1.6	0.487	2.5	
Molybdenum	0.200	0.198	0.8	0.200	0.198	0.8	0.500	0.496	0.7	0.490	2.0	
Nickel	0.200	0.200	0	0.200	0.200	0	0.500	0.499	0.2	0.493	1.3	
Potassium	10.0	10.0	-0.3	10.0	10.0	-0.3	10.0	10.1	-1.5	10.0	-0.2	
Selenium	0.200	0.198	1.1	0.200	0.198	1.1	0.500	0.492	1.7	0.488	2.5	
Silver	0.0500	0.0499	0.2	0.0500	0.0499	0.2	0.250	0.246	1.7	0.245	2.2	
Sodium	10.0	10.4	-4.1	10.0	10.4	-4.1	10.0	10.2	-2.5	10.2	-2.5	
Thallium	0.200	0.200	0.1	0.200	0.200	0.1	0.500	0.492	1.7	0.484	3.1	
Vanadium	0.200	0.202	-1.2	0.200	0.202	-1.2	0.500	0.487	2.6	0.483	3.4	
Zinc	0.200	0.203	-1.3	0.200	0.203	-1.3	0.500	0.501	-0.2	0.498	0.4	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV4	**CCV #2 ID:**	CCV5
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-1.0	1.00	1.01	-1.0	5.00	4.85	3.0	4.84	3.1	
Antimony	0.200	0.208	-4.2	0.200	0.208	-4.2	0.500	0.492	1.6	0.492	1.5	
Arsenic	0.200	0.202	-1.0	0.200	0.202	-1.0	0.500	0.495	0.9	0.494	1.3	
Barium	0.200	0.192	3.8	0.200	0.192	3.8	0.500	0.503	-0.6	0.501	-0.2	
Beryllium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.496	0.8	0.495	1.0	
Cadmium	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.495	1.0	0.494	1.2	
Calcium	10.0	9.87	1.3	10.0	9.87	1.3	10.0	9.68	3.2	9.71	2.9	
Chromium	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.493	1.3	0.493	1.5	
Cobalt	0.200	0.197	1.3	0.200	0.197	1.3	0.500	0.484	3.1	0.484	3.2	
Copper	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.504	-0.9	0.503	-0.5	
Iron	1.00	1.02	-1.6	1.00	1.02	-1.6	1.00	0.974	2.6	0.980	2.0	
Lead	0.200	0.203	-1.7	0.200	0.203	-1.7	0.500	0.498	0.5	0.497	0.6	
Magnesium	10.0	9.91	0.9	10.0	9.91	0.9	10.0	9.82	1.8	9.80	2.0	
Manganese	0.200	0.200	-0.2	0.200	0.200	-0.2	0.500	0.488	2.4	0.486	2.8	
Molybdenum	0.200	0.198	0.8	0.200	0.198	0.8	0.500	0.494	1.2	0.493	1.5	
Nickel	0.200	0.200	0	0.200	0.200	0	0.500	0.496	0.8	0.496	0.8	
Potassium	10.0	10.0	-0.3	10.0	10.0	-0.3	10.0	10.1	-1.0	10.1	-1.1	
Selenium	0.200	0.198	1.1	0.200	0.198	1.1	0.500	0.491	1.8	0.490	2.1	
Silver	0.0500	0.0499	0.2	0.0500	0.0499	0.2	0.250	0.245	2.1	0.244	2.4	
Sodium	10.0	10.4	-4.1	10.0	10.4	-4.1	10.0	10.3	-2.7	10.3	-3.1	
Thallium	0.200	0.200	0.1	0.200	0.200	0.1	0.500	0.488	2.4	0.488	2.4	
Vanadium	0.200	0.202	-1.2	0.200	0.202	-1.2	0.500	0.485	3.1	0.484	3.2	
Zinc	0.200	0.203	-1.3	0.200	0.203	-1.3	0.500	0.499	0.1	0.498	0.3	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW6010B	**AAB #:**	R11690
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	ICAP 61E	**Initial Calibration ID:**	1095
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV6	**CCV #2 ID:**	
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Aluminum	1.00	1.01	-1.0	1.00	1.01	-1.0	5.00	4.81	3.8			
Antimony	0.200	0.208	-4.2	0.200	0.208	-4.2	0.500	0.489	2.2			
Arsenic	0.200	0.202	-1.0	0.200	0.202	-1.0	0.500	0.490	1.9			
Barium	0.200	0.192	3.8	0.200	0.192	3.8	0.500	0.499	0.2			
Beryllium	0.200	0.203	-1.6	0.200	0.203	-1.6	0.500	0.493	1.5			
Cadmium	0.200	0.199	0.7	0.200	0.199	0.7	0.500	0.492	1.7			
Calcium	10.0	9.87	1.3	10.0	9.87	1.3	10.0	9.65	3.5			
Chromium	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.490	2.0			
Cobalt	0.200	0.197	1.3	0.200	0.197	1.3	0.500	0.481	3.8			
Copper	0.200	0.203	-1.4	0.200	0.203	-1.4	0.500	0.500	-0			
Iron	1.00	1.02	-1.6	1.00	1.02	-1.6	1.00	0.989	1.1			
Lead	0.200	0.203	-1.7	0.200	0.203	-1.7	0.500	0.494	1.2			
Magnesium	10.0	9.91	0.9	10.0	9.91	0.9	10.0	9.76	2.4			
Manganese	0.200	0.200	-0.2	0.200	0.200	-0.2	0.500	0.483	3.3			
Molybdenum	0.200	0.198	0.8	0.200	0.198	0.8	0.500	0.490	2.1			
Nickel	0.200	0.200	0	0.200	0.200	0	0.500	0.494	1.2			
Potassium	10.0	10.0	-0.3	10.0	10.0	-0.3	10.0	10.0	-0.1			
Selenium	0.200	0.198	1.1	0.200	0.198	1.1	0.500	0.487	2.6			
Silver	0.0500	0.0499	0.2	0.0500	0.0499	0.2	0.250	0.243	2.9			
Sodium	10.0	10.4	-4.1	10.0	10.4	-4.1	10.0	10.3	-2.7			
Thallium	0.200	0.200	0.1	0.200	0.200	0.1	0.500	0.486	2.9			
Vanadium	0.200	0.202	-1.2	0.200	0.202	-1.2	0.500	0.481	3.7			
Zinc	0.200	0.203	-1.3	0.200	0.203	-1.3	0.500	0.496	0.8			

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 6
ICP-AES and ICP-MS SERIAL DILUTIONS

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710131-001B **Analysis Date:** 10/26/2007

Parent Field Sample ID: TMCSW0101BB **Matrix:** Surface Water

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Sample Result		Serial Dilution Result (S)			
		Qual		Qual	% Difference	Q
Aluminum	0.040	U	0.200	U		
Antimony	0.0015	U	0.00760	U		
Arsenic	0.0040	U	0.0200	U		
Barium	0.059		0.0594	F	0.7	
Beryllium	0.00010	U	0.000500	U		
Cadmium	0.00042	U	0.00210	U		
Calcium	120		124		3.3	
Chromium	0.0014	U	0.00720	U		
Cobalt	0.0060	U	0.0300	U		
Copper	0.0019	U	0.00940	U		
Iron	0.15	F	0.142	F		
Lead	0.0040	U	0.0200	U		
Magnesium	16		16.3		1.9	
Manganese	0.10		0.106		6.0	
Molybdenum	0.0029	U	0.0146	U		
Nickel	0.0051	F	0.00565	F		
Potassium	2.4		2.12	F		
Selenium	0.0026	U	0.0132	U		
Silver	0.00090	U	0.00450	U		
Sodium	160		154		3.8	
Thallium	0.0059	U	0.0294	U		
Vanadium	0.00088	F	0.00330	U		
Zinc	0.044		0.0448	F		

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 7
POST-DIGESTION SPIKE SAMPLE RECOVERY

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710131-001B **Date of Analysis:** 10/26/2007

Concentration Units (mg/L or mg/Kg): mg/L **Matrix (soil/water):** Surface Water

Analyte	Control Limit %R	Spiked Sample Result	Qual	Sample Result	Qual	Spike Added	% R	Q
Aluminum	75 - 125	1.01		0.040	U	1.0	101	
Antimony	75 - 125	0.202		0.0015	U	0.20	101	
Arsenic	75 - 125	0.199		0.0040	U	0.20	100	
Barium	75 - 125	0.249		0.059		0.20	95	
Beryllium	75 - 125	0.196		0.00010	U	0.20	98	
Cadmium	75 - 125	0.188		0.00042	U	0.20	94	
Calcium	75 - 125	131		120		10	110	
Chromium	75 - 125	0.194		0.0014	U	0.20	97	
Cobalt	75 - 125	0.187		0.0060	U	0.20	93	
Copper	75 - 125	0.201		0.0019	U	0.20	101	
Iron	75 - 125	1.12		0.15	F	1.0	97	
Lead	75 - 125	0.196		0.0040	U	0.20	98	
Magnesium	75 - 125	24.9		16		10	89	
Manganese	75 - 125	0.295		0.10		0.20	97	
Molybdenum	75 - 125	0.193		0.0029	U	0.20	97	
Nickel	75 - 125	0.198		0.0051	F	0.20	96	
Potassium	75 - 125	12.9		2.4		10	105	
Selenium	75 - 125	0.195		0.0026	U	0.20	98	
Silver	75 - 125	0.0497		0.00090	U	0.050	99	
Sodium	75 - 125	165		160		10	50	*
Thallium	75 - 125	0.193		0.0059	U	0.20	97	
Vanadium	75 - 125	0.198		0.00088	F	0.20	99	
Zinc	75 - 125	0.246		0.044		0.20	101	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/L

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1095

CCB #1 ID: CCB1 **CCB #2 ID:** CCB2 **CCB #3 ID:** CCB3

Method Blank ID: MB-6442 **Initial Calibration ID:** 1095

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Aluminum	0.0073	0.0069	0.0075	-0.0046	0.040	0.20	
Antimony	0.00037	0.0024	0.00081	0.00090	0.0015	0.050	
Arsenic	-0.00084	0.00012	-0.00097	-0.00024	0.0040	0.030	
Barium	0.000070	0.000090	-0.000070	-0.000020	0.00054	0.050	
Beryllium	0.000060	0.00010	0.000040	0.000050	0.00010	0.0040	
Cadmium	0.000090	0.000040	-0.000010	-0.000050	0.00042	0.0050	
Calcium	0.0029	0.0032	0.00080	0.0073	0.040	1.1	
Chromium	0.00019	-0.00021	-0.00032	-0.00083	0.0014	0.010	
Cobalt	0.00024	-0.00015	-0.00020	-0.00081	0.0060	0.060	
Copper	0.00023	0.00034	0.00025	0.00070	0.0019	0.010	
Iron	-0.0015	-0.00029	-0.0018	-0.0025	0.0050	0.20	
Lead	0.000090	0.00079	0.00074	0.00073	0.0040	0.025	
Magnesium	0.0032	-0.0022	-0.0034	-0.0064	0.040	1.0	
Manganese	0.000040	0.000010	-0.000070	-0.000070	0.0015	0.010	
Molybdenum	0.0031	0.0031	0.0013	0.0022	0.0029	0.015	
Nickel	0.000090	0.000030	0.00028	-0.000090	0.0011	0.020	
Potassium	0.016	-0.00051	-0.0037	-0.018	0.084	1.0	
Selenium	-0.00045	-0.00032	-0.000030	0.00077	0.0026	0.030	
Silver	0.00039	0.00048	0.0010	0.00013	0.00090	0.010	
Sodium	0.0021	0.0037	0.0017	0.0034	0.12	1.0	
Thallium	0.0021	0.00073	0.00033	-0.00050	0.0059	0.080	
Vanadium	0.00067	0.00049	0.00097	0.00034	0.00066	0.010	
Zinc	-0.0013	0.00030	0.00022	0.00068	0.0050	0.020	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/L

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1095

CCB #1 ID: CCB4 **CCB #2 ID:** CCB5 **CCB #3 ID:** CCB6

Method Blank ID: MB-6442 **Initial Calibration ID:** 1095

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Aluminum	0.0073	0.000030	0.012	0.011	0.040	0.20	
Antimony	0.00037	0.0012	0.00076	-0.00042	0.0015	0.050	
Arsenic	-0.00084	0.00011	-0.00086	-0.00058	0.0040	0.030	
Barium	0.000070	-0.000090	0.00054	0.00054	0.00054	0.050	
Beryllium	0.000060	0.000070	0.00011	0.00011	0.00010	0.0040	
Cadmium	0.000090	-0.00013	-0.000020	-0.000050	0.00042	0.0050	
Calcium	0.0029	0.00066	0.0033	0.0087	0.040	1.1	
Chromium	0.00019	-0.00092	-0.00055	-0.00087	0.0014	0.010	
Cobalt	0.00024	-0.00071	-0.00045	-0.00075	0.0060	0.060	
Copper	0.00023	0.00058	0.00017	0.0019	0.0019	0.010	
Iron	-0.0015	-0.0019	-0.0020	-0.0023	0.0050	0.20	
Lead	0.000090	0.00045	0.00047	0.00079	0.0040	0.025	
Magnesium	0.0032	-0.0074	-0.0044	-0.0072	0.040	1.0	
Manganese	0.000040	-0.00011	-0.000060	-0.00011	0.0015	0.010	
Molybdenum	0.0031	0.0023	0.0029	0.0022	0.0029	0.015	
Nickel	0.000090	0.00040	0.0011	0.00012	0.0011	0.020	
Potassium	0.016	-0.0016	-0.014	-0.027	0.084	1.0	
Selenium	-0.00045	0.000020	-0.000040	0.00022	0.0026	0.030	
Silver	0.00039	0.00051	0.00046	0.00037	0.00090	0.010	
Sodium	0.0021	0.014	0.011	0.0068	0.12	1.0	
Thallium	0.0021	-0.0020	0.00048	-0.0011	0.0059	0.080	
Vanadium	0.00067	0.00077	0.00070	0.00069	0.00066	0.010	
Zinc	-0.0013	0.00028	0.00030	0.00018	0.0050	0.020	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 9
LABORATORY CONTROL SAMPLE

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6442 **Initial Calibration ID:** 1095

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Aluminum	1	0.950	95	80 - 120	
Antimony	0.2	0.206	103	80 - 120	
Arsenic	0.2	0.192	96	80 - 120	
Barium	0.2	0.185	93	80 - 120	
Beryllium	0.2	0.191	96	80 - 120	
Cadmium	0.2	0.186	93	80 - 120	
Calcium	10	9.17	92	80 - 120	
Chromium	0.2	0.189	95	80 - 120	
Cobalt	0.2	0.185	92	80 - 120	
Copper	0.2	0.193	97	80 - 120	
Iron	1	0.953	95	80 - 120	
Lead	0.2	0.194	97	80 - 120	
Magnesium	10	9.39	94	80 - 120	
Manganese	0.2	0.188	94	80 - 120	
Molybdenum	0.2	0.197	98	79 - 120	
Nickel	0.2	0.190	95	80 - 120	
Potassium	10	9.64	96	80 - 120	
Selenium	0.2	0.188	94	80 - 120	
Silver	0.05	0.0494	99	80 - 120	
Sodium	10	9.89	99	80 - 120	
Thallium	0.2	0.187	93	80 - 120	
Vanadium	0.2	0.192	96	80 - 120	
Zinc	0.2	0.197	98	80 - 120	

AFCEE
INORGANIC ANALYSES DATA SHEET 10
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/L **% Solids:** 0

Parent Field Sample ID: TMCSW0101BB **MS ID:** 0710131-001BMS **MSD ID:** 0710131-001BMSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Aluminum		1.00	0.928	93	0.925	92	0	80 - 120	20	
Antimony		0.200	0.199	100	0.199	100	0	80 - 120	20	
Arsenic		0.200	0.185	93	0.185	92	0	80 - 120	20	
Barium	0.0593	0.200	0.237	89	0.237	89	0	80 - 120	20	
Beryllium		0.200	0.183	91	0.184	92	0	80 - 120	20	
Cadmium		0.200	0.175	88	0.175	88	0	80 - 120	20	
Calcium	124	10.0	132	78	128	46	2	80 - 120	20	M
Chromium		0.200	0.180	90	0.181	90	0	80 - 120	20	
Cobalt		0.200	0.174	87	0.174	87	0	80 - 120	20	
Copper		0.200	0.189	94	0.189	95	0	80 - 120	20	
Iron	0.150	1.00	1.01	86	1.06	91	5	80 - 120	20	
Lead		0.200	0.182	91	0.184	92	1	80 - 120	20	
Magnesium	15.8	10.0	24.4	86	24.0	82	2	80 - 120	20	
Manganese	0.105	0.200	0.283	89	0.281	88	1	80 - 120	20	
Molybdenum		0.200	0.188	94	0.188	94	0	79 - 120	20	
Nickel	0.00508	0.200	0.179	87	0.179	87	0	80 - 120	20	
Potassium	2.35	10.0	12.1	98	12.2	98	0	80 - 120	20	
Selenium		0.200	0.181	91	0.183	91	1	80 - 120	20	
Silver		0.0500	0.0480	96	0.0481	96	0	80 - 120	20	
Sodium	157	10.0	166	84	162	44	2	80 - 120	20	M
Thallium		0.200	0.175	88	0.176	88	1	80 - 120	20	
Vanadium	0.000880	0.200	0.184	92	0.185	92	0	80 - 120	20	
Zinc	0.0440	0.200	0.214	85	0.216	86	1	80 - 120	20	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 11
HOLDING TIMES

Analytical Method: SW6010B **AAB #:** 6442

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
TMCSW0101BB	0710131-001B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.2	
TMCSW0101BB	0710131-001BMS	18-Oct-07	19-Oct-07	26-Oct-07	180	8.2	
TMCSW0101BB	0710131-001BMSD	18-Oct-07	19-Oct-07	26-Oct-07	180	8.2	
TMCSW0201BB	0710131-002B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.1	
TMCSW0301BB	0710131-003B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.2	
TMCSW0401BB	0710131-004B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.3	
TMCSW0501BB	0710131-005B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.3	
TMCSW0601BB	0710131-006B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.2	
TMCSW0701BB	0710131-007B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.1	
TMCSW0801BB	0710131-008B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.1	
101807BE	0710131-009B	18-Oct-07	19-Oct-07	26-Oct-07	180	8.3	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 12
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW6010B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: ICAP 61E

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
BLANK	BLANK	26-Oct-07	10:31	26-Oct-07	10:34
STD3	STD3	26-Oct-07	10:34	26-Oct-07	10:38
STD2	STD2	26-Oct-07	10:38	26-Oct-07	10:40
STD1	STD1	26-Oct-07	10:40	26-Oct-07	11:29
ICVH	ICVH	26-Oct-07	11:29	26-Oct-07	11:33
ICV	ICV	26-Oct-07	11:33	26-Oct-07	11:37
CCV/IPC	CCV/IPC	26-Oct-07	11:37	26-Oct-07	11:41
ICB	ICB	26-Oct-07	11:41	26-Oct-07	11:53
LOW LEVEL CA	LOW LEVEL CAL STD	26-Oct-07	11:53	26-Oct-07	12:07
ICSA	ICSA	26-Oct-07	12:07	26-Oct-07	12:11
ICSAB	ICSAB	26-Oct-07	12:11	26-Oct-07	12:51
CCVH1	CCVH1	26-Oct-07	12:51	26-Oct-07	12:54
CCV1	CCV1	26-Oct-07	12:54	26-Oct-07	12:58
CCB1	CCB1	26-Oct-07	12:58	26-Oct-07	13:23
CCVH2	CCVH2	26-Oct-07	13:37	26-Oct-07	13:40
CCV2	CCV2	26-Oct-07	13:40	26-Oct-07	13:45
CCB2	CCB2	26-Oct-07	13:45	26-Oct-07	14:33
CCVH3	CCVH3	26-Oct-07	14:33	26-Oct-07	14:36
CCV3	CCV3	26-Oct-07	14:36	26-Oct-07	14:40
CCB3	CCB3	26-Oct-07	14:40	26-Oct-07	15:25
MB-6442	MB-6442	26-Oct-07	15:25	26-Oct-07	15:29
CCVH4	CCVH4	26-Oct-07	15:29	26-Oct-07	15:32
CCV4	CCV4	26-Oct-07	15:32	26-Oct-07	15:36
CCB4	CCB4	26-Oct-07	15:36	26-Oct-07	15:39
LCS-6442	LCS-6442	26-Oct-07	15:39	26-Oct-07	15:43
TMCSW0101BB	0710131-001B	26-Oct-07	15:43	26-Oct-07	15:47
TMCSW0101BB	0710131-001BMS	26-Oct-07	15:47	26-Oct-07	15:50
TMCSW0101BB	0710131-001BMSD	26-Oct-07	15:50	26-Oct-07	15:54
TMCSW0101BB	0710131-001B	26-Oct-07	15:54	26-Oct-07	15:57
TMCSW0101BB	0710131-001B	26-Oct-07	15:57	26-Oct-07	16:01
TMCSW0201BB	0710131-002B	26-Oct-07	16:01	26-Oct-07	16:04
TMCSW0301BB	0710131-003B	26-Oct-07	16:04	26-Oct-07	16:08
TMCSW0401BB	0710131-004B	26-Oct-07	16:08	26-Oct-07	16:11
TMCSW0501BB	0710131-005B	26-Oct-07	16:11	26-Oct-07	16:15
CCVH5	CCVH5	26-Oct-07	16:15	26-Oct-07	16:18
CCV5	CCV5	26-Oct-07	16:18	26-Oct-07	16:22
CCB5	CCB5	26-Oct-07	16:22	26-Oct-07	16:25
TMCSW0601BB	0710131-006B	26-Oct-07	16:25	26-Oct-07	16:29

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 12
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW6010B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: ICAP 61E

TMCSW0701BB	0710131-007B	26-Oct-07	16:29	26-Oct-07	16:33
TMCSW0801BB	0710131-008B	26-Oct-07	16:33	26-Oct-07	16:36
101807BE	0710131-009B	26-Oct-07	16:36	26-Oct-07	17:10
CCVH6	CCVH6	26-Oct-07	17:10	26-Oct-07	17:13
CCV6	CCV6	26-Oct-07	17:13	26-Oct-07	17:17
CCB6	CCB6	26-Oct-07	17:17	26-Oct-07	17:17

Comments:

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710131
Project: Griffiss AFB - TMC LTM-SW

CLIENT: FPM Group

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010W05AF**	Units: **mg/L**	Prep Date:		RunNo:	**11690**
Client ID: **ZZZZZ**	Batch ID: **R11690**	Method: **SW6010B**		Analysis Date:	**10/26/2007**	SeqNo:	**315926**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	458	0.20	500	0	92	80	120				
Antimony	-0.000470	0.050									
Arsenic	-0.000330	0.030									
Barium	0.000620	0.050									
Beryllium	-0.0000100	0.0040									
Cadmium	0.000780	0.0050									
Calcium	488	1.1	500	0	98	80	120				
Chromium	-0.000740	0.010									
Cobalt	0.00424	0.060									
Copper	0.000500	0.010									
Iron	181	0.20	200	0	90	80	120				
Lead	-0.000110	0.025									
Magnesium	482	1.0	500	0	96	80	120				
Manganese	0.000760	0.010									
Molybdenum	0.000110	0.015									
Nickel	0.000540	0.020									
Potassium	0.0936	1.0									
Selenium	0.00201	0.030									
Silver	0.000270	0.010									
Sodium	0.00759	1.0									
Thallium	0.00224	0.080									
Vanadium	0.000210	0.010									
Zinc	0.00195	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

212

e: *06-Nov-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710131
Project: Griffiss AFB - TMC LTM-SW

CLIENT: FPM Group

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010W05AF**	Units: **mg/L**	Prep Date:		RunNo:	**11690**
Client ID: **ZZZZZ**	Batch ID: **R11690**	Method: **SW6010B**		Analysis Date:	**10/26/2007**	SeqNo:	**315927**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	455	0.20	500	0	91	80	120				
Antimony	0.595	0.050	0.6	0	99	80	120				
Arsenic	0.0947	0.030	0.1	0	95	80	120				
Barium	0.470	0.050	0.5	0	94	80	120				
Beryllium	0.467	0.0040	0.5	0	93	80	120				
Cadmium	0.873	0.0050	1	0	87	80	120				
Calcium	483	1.1	500	0	97	80	120				
Chromium	0.452	0.010	0.5	0	90	80	120				
Cobalt	0.450	0.060	0.5	0	90	80	120				
Copper	0.504	0.010	0.5	0	101	80	120				
Iron	180	0.20	200	0	90	80	120				
Lead	0.0458	0.025	0.05	0	92	80	120				
Magnesium	478	1.0	500	0	96	80	120				
Manganese	0.461	0.010	0.5	0	92	80	120				
Molybdenum	0.447	0.015	0.5	0	89	80	120				
Nickel	0.888	0.020	1	0	89	80	120				
Potassium	5.23	1.0	5	0	105	80	120				
Selenium	0.0505	0.030	0.05	0	101	80	120				
Silver	0.197	0.010	0.2	0	99	80	120				
Sodium	0.992	1.0	1	0	99	80	120				
Thallium	0.0952	0.080	0.1	0	95	80	120				
Vanadium	0.463	0.010	0.5	0	93	80	120				
Zinc	0.953	0.020	1	0	95	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

213 : *06-Nov-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0710131

CLIENT: FPM Group

Project: Griffiss AFB - TMC LTM-SW

Sample ID:	**LOW LEVEL CAL S**	SampType:	**CRI**	TestCode:	**6010W05AF**	Units:	**mg/L**	Prep Date:	RunNo: **11690**
Client ID:	**ZZZZZ**	Batch ID:	**R11690**	Method:	**SW6010B**			Analysis Date: **10/26/2007**	SeqNo: **315925**
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.202	0.20	0.2	0	101	80	120				
Antimony	0.0527	0.050	0.05	0	105	80	120				
Arsenic	0.0296	0.030	0.03	0	99	80	120				
Barium	0.0481	0.050	0.05	0	96	80	120				
Beryllium	0.00402	0.0040	0.004	0	101	80	120				
Cadmium	0.00417	0.0050	0.005	0	83	80	120				
Calcium	1.05	1.1	1.1	0	96	80	120				
Chromium	0.0100	0.010	0.01	0	100	80	120				
Cobalt	0.0588	0.060	0.06	0	98	80	120				
Copper	0.0110	0.010	0.01	0	110	80	120				
Iron	0.199	0.20	0.2	0	99	80	120				
Lead	0.0267	0.025	0.025	0	107	80	120				
Magnesium	1.01	1.0	1	0	101	80	120				
Manganese	0.00991	0.010	0.01	0	99	80	120				
Molybdenum	0.0158	0.015	0.015	0	106	80	120				
Nickel	0.0199	0.020	0.02	0	99	80	120				
Potassium	0.965	1.0	1	0	97	80	120				
Selenium	0.0291	0.030	0.03	0	97	80	120				
Silver	0.0102	0.010	0.01	0	102	80	120				
Sodium	0.977	1.0	1	0	98	80	120				
Thallium	0.0781	0.080	0.08	0	98	80	120				
Vanadium	0.0105	0.010	0.01	0	105	80	120				
Zinc	0.0230	0.020	0.02	0	115	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

METALS MDL Verification Summary (AFCEE)

Instrument ID(s):		TJA ICAP-61E												Verification Dates: 8/15/2007		Units = mg/L
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified MDL	RL	Is Verified MDL < .5*RL?
6010B	3005A	Water	Aluminum	0.01245	0.040	0.04	0.05025	126%	yes	n/a	n/a			0.040	0.200	yes
6010B	3005A	Water	Antimony	0.00152	0.00152	0.003	0.00282	94%	yes	n/a	n/a			0.00152	0.050	yes
6010B	3005A	Water	Arsenic	0.00120	0.0040	0.004	0.00395	99%	yes	n/a	n/a			0.0040	0.030	yes
6010B	3005A	Water	Barium	0.00054	0.00054	0.002	0.00193	97%	yes	n/a	n/a			0.00054	0.050	yes
6010B	3005A	Water	Beryllium	0.00010	0.00010	0.0002	0.00021	105%	yes	n/a	n/a			0.00010	0.004	yes
6010B	3005A	Water	Boron	0.00300	0.00300	0.005	0.00521	104%	yes	n/a	n/a			0.0030	0.050	yes
6010B	3005A	Water	Cadmium	0.00042	0.00042	0.001	0.00113	113%	yes	n/a	n/a			0.00042	0.005	yes
6010B	3005A	Water	Calcium	0.00688	0.040	0.04	0.02782	70%	yes	n/a	n/a			0.040	1.100	yes
6010B	3005A	Water	Chromium	0.00144	0.00144	0.004	0.00455	114%	yes	n/a	n/a			0.00144	0.010	yes
6010B	3005A	Water	Cobalt	0.00192	0.0060	0.006	0.0066	110%	yes	n/a	n/a			0.0060	0.060	yes
6010B	3005A	Water	Copper	0.00188	0.00188	0.004	0.00372	93%	yes	n/a	n/a			0.00188	0.010	yes
6010B	3005A	Water	Iron	0.00500	0.00500	0.01	0.01051	105%	yes	n/a	n/a			0.0050	0.200	yes
6010B	3005A	Water	Lead	0.00084	0.0040	0.004	0.00434	109%	yes	n/a	n/a			0.0040	0.025	yes
6010B	3005A	Water	Magnesium	0.01266	0.040	0.04	0.04306	108%	yes	n/a	n/a			0.040	1.000	yes
6010B	3005A	Water	Manganese	0.00026	0.0015	0.0015	0.00154	103%	yes	n/a	n/a			0.0015	0.010	yes
6010B	3005A	Water	Molybdenum	0.00292	0.00292	0.005	0.00452	90%	yes	n/a	n/a			0.00292	0.015	yes
6010B	3005A	Water	Nickel	0.00112	0.00112	0.002	0.00189	95%	yes	n/a	n/a			0.00112	0.020	yes
6010B	3005A	Water	Potassium	0.06756	0.06756	0.2	0.12979	65%	yes	n/a	n/a			0.06756	1.000	yes
6010B	3005A	Water	Selenium	0.00264	0.00264	0.005	0.00494	99%	yes	n/a	n/a			0.00264	0.030	yes
6010B	3005A	Water	Silver	0.00090	0.00090	0.002	0.00175	88%	yes	n/a	n/a			0.00090	0.010	yes
6010B	3005A	Water	Sodium	0.00846	0.040	0.04	0.0277	69%	yes	n/a	n/a			0.040	1.000	yes
6010B	3005A	Water	Thallium	0.00587	0.00587	0.01	0.01393	139%	yes	n/a	n/a			0.00587	0.080	yes
6010B	3005A	Water	Vanadium	0.00066	0.00066	0.002	0.00199	100%	yes	n/a	n/a			0.00066	0.010	yes
6010B	3005A	Water	Zinc	0.00135	0.0040	0.004	0.00521	130%	yes	n/a	n/a			0.0040	0.020	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Mercury Data

AFCEE
INORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW7470A **AAB #:** R11703

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Date of Calibration: 30-Oct-07 **Initial Calibration ID:** 1102

Instrument ID: FIMS 100 **Concentration Units (mg/L or mg/kg):** mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Mercury	0	0.0002	0.0005	0.001	0.002	0.005	0.01	0	0	0	0.9999	

r = correlation coefficient

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW7470A	**AAB #:**	R11703
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	FIMS 100	**Initial Calibration ID:**	1102
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV1	**CCV #2 ID:**	CCV2
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury	0.00400	0.00411	-2.9	0.00400	0.00411	-2.9	0.00200	0.00201	-0.7	0.00201	-0.5	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW7470A	**AAB #:**	R11703
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	FIMS 100	**Initial Calibration ID:**	1102
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV3	**CCV #2 ID:**	CCV4
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury	0.00400	0.00411	-2.9	0.00400	0.00411	-2.9	0.00200	0.00202	-0.9	0.00203	-1.6	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW7470A	**AAB #:**	R11703
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	FIMS 100	**Initial Calibration ID:**	1102
2nd Source ID:	ICV	**ICV ID:**	ICV
CCV #1 ID:	CCV5	**CCV #2 ID:**	CCV6
Concentration Units (mg/L or mg/kg):	mg/L		

Analyte	2nd Source Calibration Verification			Initial Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Mercury	0.00400	0.00411	-2.9	0.00400	0.00411	-2.9	0.00200	0.00207	-3.5	0.00207	-3.7	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 6
ICP-AES and ICP-MS SERIAL DILUTIONS

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710131-002B **Analysis Date:** 10/30/2007

Parent Field Sample ID: TMCSW0201BB **Matrix:** Surface Water

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Initial Sample Result		Serial Dilution Result (S)			
		Qual		Qual	% Difference	Q
Mercury	0.000026	U	0.00013	U		

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 7
POST-DIGESTION SPIKE SAMPLE RECOVERY

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Lab Sample ID: 0710131-002B **Date of Analysis:** 10/30/2007

Concentration Units (mg/L or mg/Kg): mg/L **Matrix (soil/water):** Surface Water

Analyte	Control Limit %R	Spiked Sample Result	Qual	Sample Result	Qual	Spike Added	% R	Q
Mercury	85 - 115	0.0020		0.000026	U	0.0020	100	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/L

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1102

CCB #1 ID: CCB1 **CCB #2 ID:** CCB2 **CCB #3 ID:** CCB3

Method Blank ID: MB-6473 **Initial Calibration ID:** 1102

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury	0.0000020	0.0000019	0.0000035	0.0000040	0.000026	0.0010	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 8
BLANKS

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units: mg/L

Init. Calibraton Blank ID: ICB **Initial Calibration ID:** 1102

CCB #1 ID: CCB4 **CCB #2 ID:** CCB5 **CCB #3 ID:** CCB6

Method Blank ID: MB-6473 **Initial Calibration ID:** 1102

Analyte	Initial Calibration Blank	Continuing Calibration Blank			Method Blank	RL	Q
		1	2	3			
Mercury	0.0000020	0.0000025	0.0000032	0.0000029	0.000026	0.0010	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 9
LABORATORY CONTROL SAMPLE

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6473 **Initial Calibration ID:** 1102

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Mercury	0.005	0.00493	99	80 - 120	

AFCEE
INORGANIC ANALYSES DATA SHEET 10
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): mg/L **% Solids:** 0

Parent Field Sample ID: TMCSW0201BB **MS ID:** 0710131-002BMS **MSD ID:** 0710131-002BMSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Mercury		0.00200	0.00200	100	0.00203	102	2	80 - 120	15	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 11
HOLDING TIMES

Analytical Method: SW7470A **AAB #:** 6473

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
TMCSW0101BB	0710131-001B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.1	
TMCSW0201BB	0710131-002B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.0	
TMCSW0201BB	0710131-002BMS	18-Oct-07	19-Oct-07	30-Oct-07	28	12.0	
TMCSW0201BB	0710131-002BMSD	18-Oct-07	19-Oct-07	30-Oct-07	28	12.0	
TMCSW0301BB	0710131-003B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.1	
TMCSW0401BB	0710131-004B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.2	
TMCSW0501BB	0710131-005B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.2	
TMCSW0601BB	0710131-006B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.1	
TMCSW0701BB	0710131-007B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.0	
TMCSW0801BB	0710131-008B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.0	
101807BE	0710131-009B	18-Oct-07	19-Oct-07	30-Oct-07	28	12.2	

Comments:

AFCEE
INORGANIC ANALYSES DATA SHEET 12
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW7470A

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: FIMS 100

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
Blank	Blank	30-Oct-07	10:24	30-Oct-07	10:27
0.2 ppb	0.2 ppb	30-Oct-07	10:27	30-Oct-07	10:29
0.5 ppb	0.5 ppb	30-Oct-07	10:29	30-Oct-07	10:31
1.0 ppb	1.0 ppb	30-Oct-07	10:31	30-Oct-07	10:33
2.0 ppb	2.0 ppb	30-Oct-07	10:33	30-Oct-07	10:35
5.0 ppb	5.0 ppb	30-Oct-07	10:35	30-Oct-07	10:38
10.0 ppb	10.0 ppb	30-Oct-07	10:38	30-Oct-07	10:51
ICV	ICV	30-Oct-07	10:51	30-Oct-07	10:53
ICB	ICB	30-Oct-07	10:53	30-Oct-07	10:55
CRA	CRA	30-Oct-07	10:55	30-Oct-07	11:19
CCV1	CCV1	30-Oct-07	11:19	30-Oct-07	11:21
CCB1	CCB1	30-Oct-07	11:21	30-Oct-07	11:55
CCV2	CCV2	30-Oct-07	12:02	30-Oct-07	12:04
CCB2	CCB2	30-Oct-07	12:04	30-Oct-07	12:28
CCV3	CCV3	30-Oct-07	12:28	30-Oct-07	12:30
CCB3	CCB3	30-Oct-07	12:30	30-Oct-07	13:06
MB-6473	MB-6473	30-Oct-07	13:06	30-Oct-07	13:08
LCS-6473	LCS-6473	30-Oct-07	13:08	30-Oct-07	13:10
CCV4	CCV4	30-Oct-07	13:10	30-Oct-07	13:13
CCB4	CCB4	30-Oct-07	13:13	30-Oct-07	13:34
TMCSW0101BB	0710131-001B	30-Oct-07	13:34	30-Oct-07	13:36
TMCSW0201BB	0710131-002B	30-Oct-07	13:36	30-Oct-07	13:38
TMCSW0201BB	0710131-002BMS	30-Oct-07	13:38	30-Oct-07	13:40
TMCSW0201BB	0710131-002BMSD	30-Oct-07	13:40	30-Oct-07	13:42
CCV5	CCV5	30-Oct-07	13:42	30-Oct-07	13:44
CCB5	CCB5	30-Oct-07	13:44	30-Oct-07	13:46
TMCSW0301BB	0710131-003B	30-Oct-07	13:46	30-Oct-07	13:49
TMCSW0401BB	0710131-004B	30-Oct-07	13:49	30-Oct-07	13:51
TMCSW0501BB	0710131-005B	30-Oct-07	13:51	30-Oct-07	13:53
TMCSW0601BB	0710131-006B	30-Oct-07	13:53	30-Oct-07	13:55
TMCSW0701BB	0710131-007B	30-Oct-07	13:55	30-Oct-07	13:57
TMCSW0801BB	0710131-008B	30-Oct-07	13:57	30-Oct-07	13:59
101807BE	0710131-009B	30-Oct-07	13:59	30-Oct-07	14:17
TMCSW0201BB	0710131-002B	30-Oct-07	14:17	30-Oct-07	14:19
TMCSW0201BB	0710131-002B	30-Oct-07	14:19	30-Oct-07	14:24
CCV6	CCV6	30-Oct-07	14:24	30-Oct-07	14:26
CCB6	CCB6	30-Oct-07	14:26	30-Oct-07	14:26

Comments:

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0710131
Project: Griffiss AFB - TMC LTM-SW

CLIENT: FPM Group

Sample ID: **CRA**	SampType: **CRA**	TestCode: **HG7470WAF**	Units: **mg/L**		Prep Date:				RunNo: **11703**			
Client ID: **ZZZZZ**	Batch ID: **R11703**	Method: **SW7470A**			Analysis Date: **10/30/2007**				SeqNo: **316386**			
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000205	0.00100	0.0002	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

METALS MDL Verification Summary

Instrument ID(s): FIMS-100												Verification Date:6/20/2007				
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (ug/L)	RL (ug/L)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 70-130%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New MDL ug/L	Is New MDL < .5*RL?
7470A	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0519	104%	yes	yes	yes					0.02600	yes
245.1	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0519	104%	yes	yes	yes					0.02600	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-TMC LTM Surfacewater- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperatures of the coolers ranged from -0.2°C to -2.0°C.

This is an addendum report and contains Pesticide and PCB analysis only. All other requested analyses were reported in a earlier report.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Pesticides	8081A	1
PCBs	8082	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC Semi-Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-SW
Work Order. #:	0710131
Methodology:	8081A

Analyzed/Reviewed by (Initials/Date): MW 1-17-08

Supervisor/Reviewed by (Initials/Date): GW 1-17-08

QA/QC Review (Initials/Date): LW 1-17-08

File Name: G:\Narratives\GCSemi\0710131pstnar.doc

Pesticides

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples

All spike recoveries met method and/or project specific QC criteria.

Surrogates

The following samples did not meet criteria for surrogate recoveries for Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
TMCSW0801BB	0710131-008A	RTXCLP/RTXCLP2	1

1. One of the two surrogates met criteria. The DCBP surrogate exceeded the lower control limit and Pesticides were not detected in the sample. The surrogate met criteria in the QC samples. Matrix effects are suspected. The sample results were qualified accordingly.

Calibrations

All continuing calibration compounds met method and/or project specific QC criteria.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

GC Semivolatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – TMC LTM-SW
Work Order:	0710131
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): MLY 1-10-08

Supervisor/Reviewed by (Initials/Date): JD 1-11-08

QA/QC Review (Initials/Date): ac for LK 1-14-08

File Name: G:\Narratives\GCSemi\0710131pcbnar.doc

PCBs

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples

All spike recoveries met method and/or project specific QC criteria.

Surrogates

The following sample did not meet criteria for surrogate recoveries for Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
TMCSW0801BB	0710131-008A	DB1701	1

1. The surrogate exceeded the lower control limit and PCBs were not detected in the sample. The surrogate met criteria in the QC samples. Matrix effects are suspected. The sample results were qualified accordingly.

Calibrations

All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *17-Jan-08*

CLIENT: FPM Group
Project: Griffiss AFB - TMC LTM-SW
Lab Order: 0710131

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710131-001A	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-001B	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-001C	TMCSW0101BB	TMCSW-13	10/18/2007	10/19/2007
0710131-002A	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-002B	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-002C	TMCSW0201BB	TMCSW-903	10/18/2007	10/19/2007
0710131-003A	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-003B	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-003C	TMCSW0301BB	TMCSW-902	10/18/2007	10/19/2007
0710131-004A	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-004B	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-004C	TMCSW0401BB	RV-TMCFSS-4	10/18/2007	10/19/2007
0710131-005A	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-005B	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-005C	TMCSW0501BB	RV-TMCFSS-5	10/18/2007	10/19/2007
0710131-006A	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-006B	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-006C	TMCSW0601BB	TMCSW-14	10/18/2007	10/19/2007
0710131-007A	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-007B	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-007C	TMCSW0701BB	RV-TMCFSS-7	10/18/2007	10/19/2007
0710131-008A	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-008B	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-008C	TMCSW0801BB	RV-TMCFSS-8	10/18/2007	10/19/2007
0710131-009A	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-009B	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-009C	101807BE	FIELDQC	10/18/2007	10/19/2007
0710131-010A	101807BF	FIELDQC	10/18/2007	10/19/2007
0710131-011A	101807BR	FIELDQC	10/18/2007	10/19/2007

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-001A	TMCSW0101BB	10/18/2007 11:30:00 AM	Surface Water	Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/25/2007
0710131-001B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-001C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-002A	TMCSW0201BB	10/18/2007 1:40:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-002B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-002C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-003A	TMCSW0301BB	10/18/2007 10:15:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/25/2007
0710131-003B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-003C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-004A	TMCSW0401BB	10/18/2007 9:40:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-004B				Mercury		10/29/2007	10/30/2007

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-004B	TMCSW0401BB	10/18/2007 9:40:00 AM	Surface Water	Total Metals by ICP		10/24/2007	10/26/2007
0710131-004C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-005A	TMCSW0501BB	10/18/2007 9:10:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-005B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-005C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-006A	TMCSW0601BB	10/18/2007 11:00:00 AM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-006B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-006C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-007A	TMCSW0701BB	10/18/2007 2:00:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-007B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-007C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-008A	TMCSW0801BB	10/18/2007 1:10:00 PM		Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007

Lab Order: 0710131
Client: FPM Group
Project: Griffiss AFB - TMC LTM-SW

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710131-008A	TMCSW0801BB	10/18/2007 1:10:00 PM	Surface Water	Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-008B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-008C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-009A	101807BE	10/18/2007 8:30:00 AM	Water Q	Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Organochlorine Pesticides by GC/ECD		10/24/2007	11/15/2007
				Polychlorinated Biphenyls in Water by GC/ECD		10/24/2007	10/31/2007
				Semivolatile Organic Compounds by GC/MS		10/22/2007	10/26/2007
0710131-009B				Mercury		10/29/2007	10/30/2007
				Total Metals by ICP		10/24/2007	10/26/2007
0710131-009C				Volatile Organic Compounds by GC/MS			10/25/2007
0710131-010A	101807BF	10/18/2007 11:45:00 AM		Volatile Organic Compounds by GC/MS			10/25/2007
0710131-011A	101807BR	10/18/2007 8:20:00 AM		Volatile Organic Compounds by GC/MS			10/25/2007

7

Chain of Custody

External Chain of Custody

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _173_ (Open/Closed) Cooler ID#: _A_

Ship to: Monika Santucci Life Science Laboratories, Inc. 5000 Brittonfield Pkwy, Suite 200 East Syracuse, NY 13057 Tel: (315)437-0200	Project Name: Griffiss AFB TMC LTM Sampler Name: Niels van Hoesel	Send Results to: Niels van Hoesel FPM Group Ltd. 153 Brooks Road Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2006	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL Vials (HCl)	SVOCs note 2 1 L amber bottle	PCBs note 3 1 L amber bottle	Pesticides note 4 1 L amber bottle	Metals note 5 250 mL poly bottle HNO3	Comments
TMCSW0101BB	TMCSW-13	10/18	1130	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0201BB	TMCSW-903	10/18	1340	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0301BB	TMCSW-902	10/18	1015	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0401BB	RV-TMCFSS-4	10/18	0940	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0501BB	RV-TMCFSS-5	10/18	0910	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0601BB	TMCSW-14	10/18	1100	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0701BB	RV-TMCSS-7	10/18	1400	WS	G	N	0/0	8	3	2	1	1	1	
TMCSW0801BB	RV-TMCSS-8	10/18	1310	WS	G	N	0/0	8	3	2	1	1	1	
101807BE	FIELDQC	10/18	0830	WQ	G	EB	0/0	8	3	2	1	1	1	
101807BF	FIELDQC	10/18	1145	WQ	NA	AB	0/0	3	3	-	-	-	-	
101807BR	FIELDQC	10/18	0820	WQ	NA	TB	0/0	3	3	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Good Custody Seals INTACT

Cooler temperature: -0.2°, -2.0°, -1.8°, -1.2° on ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: Method SW8260 for AFCEE QAPP 4.0 List.
Note 2: SVOCs: Method SW8270 for AFCEE QAPP 4.0 List.
Note 3: PCBs: Method SW8082 for AFCEE QAPP 4.0 List.
Note 4: Pesticides: Method SW8081 for AFCEE QAPP 4.0 List
Note 5: Metals: Method SW6010B for AFCEE QAPP 4.0 List and Mercury: Method SW7471.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/19/07	#3 Released by: (Sig)	Date: 10/19/07
Company Name:	Time:	Company Name: FPM Group Ltd	Time:	Company Name: LSL	Time: 1440
#1 Received by: (Sig) Niels van Hoesel	Date: 10/17/07	#2 Received by: (Sig)	Date: 10/19/07	#3 Received by: (Sig)	Date: 10/19/07
Company Name: FPM Group Ltd	Time: 1200	Company Name: LSL	Time: 855	Company Name: LSL	Time: 0945

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **10/19/2007 9:45:00 AM**

Work Order Number **0710131**

Received by: **ads**

Checklist completed by: _____ Initials 10/19/07 Date

Reviewed by: MS Initials 10/19/07 Date

Matrix:

Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☐ N ☐ NA ☑		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

Corrective Action::

Client/Project 0710131 & FPM

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001-009	A		JR	10/22/07 0958	8270	N/R
-001-009	B		BW	10/24/07 8:45	3005A	10/24/07 14:30

G:\QAQC\forms\GeneralLaboratory\Sign out.xls

Client/Project FPM Griffiss 0710131

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0710131-001→011	A		YA	10/23/07 15:30	8260	N/R
- 001 → 009	A		CO	10/24/07 14:50	8081w/8082w	NR
001 → 009	B		BW	10/29/07 8:30	Hg 7470WA	12:45/10/26/07

G:\QAQC\forms\GeneralLaboratory\Sign out.xls

Internal Chain of Custody

GC SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6449 Date Extracted: 10-24-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
FPM	0710131-001A -002A -003A -004A -005A -006A -007A -008A -009A	10-26-07 15:30	GL	0710131-001→009A	11/15/07 14:20	SB	8081A	11/15/07 9:00	SB

Reviewed by: _____ Date: 1-16-08

G:\Logbooks 2006\Organics\SVOA37.SampleControl Revised

ORGANICS SAMPLE CONTROL LOG

QC Batch #: 6450 Date Extracted: 10-24-07

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
FPD	0710131-001A -002A -003A -004A -005A -006A -007A -008A -009A	10-26-07 15:30	G. C.	0710131-001A — 009A	10/30/07 09:15	SDC	8082	10/31/07 08:10	SDC

Reviewed by: [signature] Date: 1-10-08

G:\Logbooks 2006\Organics\SVOA37.SampleControl Revised

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111512.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4´-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4´-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4´-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	95	32 - 135	
Tetrachloro-m-xylene	85	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0101BB	**Lab Sample ID:**	0710131-001A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111512.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	94	32 - 135	
Tetrachloro-m-xylene	91	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111516.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4´-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4´-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4´-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	32 - 135	
Tetrachloro-m-xylene	88	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111516.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111517.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4'-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4'-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4'-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	32 - 135	
Tetrachloro-m-xylene	92	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111517.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	32 - 135	
Tetrachloro-m-xylene	98	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111518.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4´-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4´-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4´-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	32 - 135	
Tetrachloro-m-xylene	85	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111518.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	32 - 135	
Tetrachloro-m-xylene	91	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111519.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0070	0.10	0.0070	1	0.0070	U
beta-BHC	0.036	0.10	0.036	1	0.036	U
delta-BHC	0.0086	0.10	0.0086	1	0.0086	U
gamma-BHC	0.0076	0.10	0.0076	1	0.0076	U
alpha-Chlordane	0.010	0.10	0.010	1	0.010	U
gamma-Chlordane	0.0085	0.10	0.0085	1	0.0085	U
4,4´-DDD	0.0091	0.10	0.0091	1	0.0091	U
4,4´-DDE	0.0077	0.10	0.0077	1	0.0077	U
4,4´-DDT	0.0070	0.10	0.0070	1	0.0070	U
Aldrin	0.010	0.10	0.010	1	0.010	U
Dieldrin	0.0092	0.10	0.0092	1	0.0092	U
Endosulfan I	0.012	0.10	0.012	1	0.012	U
Endosulfan II	0.0094	0.10	0.0094	1	0.0094	U
Endosulfan sulfate	0.0098	0.10	0.0098	1	0.0098	U
Endrin	0.014	0.10	0.014	1	0.014	U
Endrin aldehyde	0.011	0.10	0.011	1	0.011	U
Heptachlor	0.016	0.10	0.016	1	0.016	U
Heptachlor epoxide	0.028	0.10	0.028	1	0.028	U
Methoxychlor	0.012	0.50	0.012	1	0.012	U
Toxaphene	0.29	1.0	0.29	1	0.29	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	32 - 135	
Tetrachloro-m-xylene	88	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111519.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	1000 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	86	32 - 135	
Tetrachloro-m-xylene	95	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111520.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0078	0.11	0.0078	1	0.0078	U
beta-BHC	0.040	0.11	0.040	1	0.040	U
delta-BHC	0.0096	0.11	0.0096	1	0.0096	U
gamma-BHC	0.0084	0.11	0.0084	1	0.0084	U
alpha-Chlordane	0.012	0.11	0.012	1	0.012	U
gamma-Chlordane	0.0095	0.11	0.0095	1	0.0095	U
4,4´-DDD	0.010	0.11	0.010	1	0.010	U
4,4´-DDE	0.0086	0.11	0.0086	1	0.0086	U
4,4´-DDT	0.0078	0.11	0.0078	1	0.0078	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Dieldrin	0.010	0.11	0.010	1	0.010	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.56	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111520.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	900 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111521.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0078	0.11	0.0078	1	0.0078	U
beta-BHC	0.040	0.11	0.040	1	0.040	U
delta-BHC	0.0096	0.11	0.0096	1	0.0096	U
gamma-BHC	0.0084	0.11	0.0084	1	0.0084	U
alpha-Chlordane	0.012	0.11	0.012	1	0.012	U
gamma-Chlordane	0.0095	0.11	0.0095	1	0.0095	U
4,4'-DDD	0.010	0.11	0.010	1	0.010	U
4,4'-DDE	0.0086	0.11	0.0086	1	0.0086	U
4,4'-DDT	0.0078	0.11	0.0078	1	0.0078	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.56	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	57	32 - 135	
Tetrachloro-m-xylene	67	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111521.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dieldrin	0.010	0.11	0.029	1	0.022	F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	60	32 - 135	
Tetrachloro-m-xylene	69	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111522.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	980 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0071	0.10	0.0071	1	0.0071	UJ
beta-BHC	0.037	0.10	0.037	1	0.037	UJ
delta-BHC	0.0088	0.10	0.0088	1	0.0088	UJ
gamma-BHC	0.0077	0.10	0.0077	1	0.0077	UJ
alpha-Chlordane	0.011	0.10	0.011	1	0.011	UJ
gamma-Chlordane	0.0087	0.10	0.0087	1	0.0087	UJ
4,4´-DDD	0.0093	0.10	0.0093	1	0.0093	UJ
4,4´-DDE	0.0079	0.10	0.0079	1	0.0079	UJ
4,4´-DDT	0.0072	0.10	0.0072	1	0.0072	UJ
Aldrin	0.010	0.10	0.010	1	0.010	UJ
Dieldrin	0.0094	0.10	0.0094	1	0.0094	UJ
Endosulfan I	0.013	0.10	0.013	1	0.013	UJ
Endosulfan II	0.0096	0.10	0.0096	1	0.0096	UJ
Endosulfan sulfate	0.0099	0.10	0.0099	1	0.0099	UJ
Endrin	0.014	0.10	0.014	1	0.014	UJ
Endrin aldehyde	0.011	0.10	0.011	1	0.011	UJ
Heptachlor	0.016	0.10	0.016	1	0.016	UJ
Heptachlor epoxide	0.029	0.10	0.029	1	0.029	UJ
Methoxychlor	0.012	0.51	0.012	1	0.012	UJ
Toxaphene	0.30	1.0	0.30	1	0.30	UJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	28	32 - 135	*
Tetrachloro-m-xylene	83	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111522.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	980 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	31	32 - 135	*
Tetrachloro-m-xylene	87	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1110	**File ID:**	F:\GTnov07\G111523.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
alpha-BHC	0.0077	0.11	0.0077	1	0.0077	U
beta-BHC	0.039	0.11	0.039	1	0.039	U
delta-BHC	0.0095	0.11	0.0095	1	0.0095	U
gamma-BHC	0.0083	0.11	0.0083	1	0.0083	U
alpha-Chlordane	0.011	0.11	0.011	1	0.011	U
gamma-Chlordane	0.0094	0.11	0.0094	1	0.0094	U
4,4´-DDD	0.010	0.11	0.010	1	0.010	U
4,4´-DDE	0.0085	0.11	0.0085	1	0.0085	U
4,4´-DDT	0.0077	0.11	0.0077	1	0.0077	U
Aldrin	0.011	0.11	0.011	1	0.011	U
Dieldrin	0.010	0.11	0.010	1	0.010	U
Endosulfan I	0.014	0.11	0.014	1	0.014	U
Endosulfan II	0.010	0.11	0.010	1	0.010	U
Endosulfan sulfate	0.011	0.11	0.011	1	0.011	U
Endrin	0.015	0.11	0.015	1	0.015	U
Endrin aldehyde	0.012	0.11	0.012	1	0.012	U
Heptachlor	0.017	0.11	0.017	1	0.017	U
Heptachlor epoxide	0.031	0.11	0.031	1	0.031	U
Methoxychlor	0.013	0.55	0.013	1	0.013	U
Toxaphene	0.32	1.1	0.32	1	0.32	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	97	32 - 135	
Tetrachloro-m-xylene	82	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8081A	**Preparatory Method:**	SW3520C	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1111	**File ID:**	F:\GTnov07\H111523.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	15-Nov-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	910 mL

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	98	32 - 135	
Tetrachloro-m-xylene	90	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
TMCSW0101BB	0710131-001A
TMCSW0201BB	0710131-002A
TMCSW0301BB	0710131-003A
TMCSW0401BB	0710131-004A
TMCSW0501BB	0710131-005A
TMCSW0601BB	0710131-006A
TMCSW0701BB	0710131-007A
TMCSW0801BB	0710131-008A
101807BE	0710131-009A

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager's designee, as verified by the following signature.

Signature: Monika Santucci Name: Monika Santucci

Date: 1/16/08 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8082
Preparatory Method: SW3520C
AAB #: 6450

Lab Name: Life Science Laboratories, Inc.
Contract #:

Field Sample ID: TMCSW0101BB
Lab Sample ID: 0710131-001A
Matrix: Surface Water

% Solids: 0
Initial Calibration ID: 1112
File ID: F:\90oct07\D103019.rst

Date Received: 19-Oct-07
Date Extracted: 24-Oct-07
Date Analyzed: 31-Oct-07

Concentration Units (ug/L or mg/Kg dry weight): ug/L
Sample Size: 1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0201BB	**Lab Sample ID:**	0710131-002A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103020.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0301BB	**Lab Sample ID:**	0710131-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103021.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0401BB	**Lab Sample ID:**	0710131-004A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103022.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0163	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0501BB	**Lab Sample ID:**	0710131-005A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103026.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	1000 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0147	0.500	0.0147	1		U
Aroclor 1221	0.110	0.500	0.110	1		U
Aroclor 1232	0.0617	0.500	0.0617	1		U
Aroclor 1242	0.0820	0.500	0.0820	1		U
Aroclor 1248	0.128	0.500	0.128	1		U
Aroclor 1254	0.140	0.500	0.140	1		U
Aroclor 1260	0.0163	0.500	0.0170	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0601BB	**Lab Sample ID:**	0710131-006A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103027.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0163	0.556	0.0163	1		U
Aroclor 1221	0.122	0.556	0.122	1		U
Aroclor 1232	0.0686	0.556	0.0686	1		U
Aroclor 1242	0.0911	0.556	0.0911	1		U
Aroclor 1248	0.143	0.556	0.143	1		U
Aroclor 1254	0.155	0.556	0.155	1		U
Aroclor 1260	0.0181	0.556	0.0181	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	88	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0701BB	**Lab Sample ID:**	0710131-007A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103028.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	900 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0163	0.556	0.0163	1		U
Aroclor 1221	0.122	0.556	0.122	1		U
Aroclor 1232	0.0686	0.556	0.0686	1		U
Aroclor 1242	0.0911	0.556	0.0911	1		U
Aroclor 1248	0.143	0.556	0.143	1		U
Aroclor 1254	0.155	0.556	0.155	1		U
Aroclor 1260	0.0181	0.556	0.227	1		F

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	58	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	TMCSW0801BB	**Lab Sample ID:**	0710131-008A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103029.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	980 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0150	0.510	0.0150	1		UJ
Aroclor 1221	0.112	0.510	0.112	1		UJ
Aroclor 1232	0.0630	0.510	0.0630	1		UJ
Aroclor 1242	0.0837	0.510	0.0837	1		UJ
Aroclor 1248	0.131	0.510	0.131	1		UJ
Aroclor 1254	0.142	0.510	0.142	1		UJ
Aroclor 1260	0.0166	0.510	0.0166	1		UJ

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	32	42 - 133	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8082	**Preparatory Method:**	SW3520C	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	101807BE	**Lab Sample ID:**	0710131-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1112	**File ID:**	F:\90oct07\D103030.rst
Date Received:	19-Oct-07	**Date Extracted:**	24-Oct-07	**Date Analyzed:**	31-Oct-07
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	910 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Aroclor 1016	0.0162	0.549	0.0162	1		U
Aroclor 1221	0.120	0.549	0.120	1		U
Aroclor 1232	0.0678	0.549	0.0678	1		U
Aroclor 1242	0.0901	0.549	0.0901	1		U
Aroclor 1248	0.141	0.549	0.141	1		U
Aroclor 1254	0.153	0.549	0.153	1		U
Aroclor 1260	0.0179	0.549	0.0179	1		U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	96	42 - 133	

Comments:

Quality Control Results

Pesticide Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8081A	**AAB #:**	11827
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT 57G	**Date of Initial Calibration:**	11-Nov-07
Initial Calibration ID:	1110	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File E:\Methods\GAB110707.mth
Printed by : manager on: 11/27/07 14:59:51
Created by : manager on: 11/08/07 11:05:48
Edited by : manager on: 11/26/07 08:55:31
Number of Times Edited : 14
Number of Times Calibrated : 109
Description: PESTICIDE IND."AB" CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 4.339 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8742.71	2721.47	----------	----------	1
5	0.0050	17697.51	5521.19	----------	----------	1
4	0.0100	35822.53	10967.94	----------	----------	1
3	0.0200	69275.77	21515.47	----------	----------	1
2	0.0400	134694.03	41412.74	----------	----------	1
1	0.0800	258909.97	78575.74	----------	----------	1

Average Calibration Factor = 3.472011e+06 (%RSD = 4.32)

ALPHA-BHC
Component Type : Single Peak Component
Retention Time : 5.318 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8293.06	2719.54	----------	----------	1
5	0.0050	16597.47	5483.66	----------	----------	1
4	0.0100	31830.00	10531.32	----------	----------	1
3	0.0200	69910.77	23804.09	----------	----------	1
2	0.0400	141740.41	48782.23	----------	----------	1
1	0.0800	304417.00	104929.44	----------	----------	1

Average Calibration Factor = 3.467033e+06 (%RSD = 6.10)

INDANE
Component Type : Single Peak Component
Retention Time : 5.917 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8391.42	2759.33	----------	----------	1
5	0.0050	16726.00	5563.38	----------	----------	1
4	0.0100	31904.03	10573.53	----------	----------	1
3	0.0200	69422.18	23560.10	----------	----------	1
2	0.0400	138662.39	47387.60	----------	----------	1
1	0.0800	289562.59	98856.85	----------	----------	1

Average Calibration Factor = 3.431538e+06 (%RSD = 4.28)

-BHC
Component Type : Single Peak Component
Retention Time : 6.093 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5712.28	1860.89	----------	----------	1
5	0.0050	11348.60	3706.85	----------	----------	1
4	0.0100	21239.56	6891.14	----------	----------	1
3	0.0200	44692.33	14534.12	----------	----------	1
2	0.0400	84559.34	27304.66	----------	----------	1
1	0.0800	164324.25	53075.54	----------	----------	1

Average Calibration Factor = 2.196074e+06 (%RSD = 5.50)

)-BHC
Component Type : Single Peak Component
Retention Time : 6.438 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	7846.32	2592.79	----------	----------	1
5	0.0050	15707.14	5225.57	----------	----------	1
4	0.0100	30001.37	10050.09	----------	----------	1
3	0.0200	66092.04	22534.24	----------	----------	1
2	0.0400	134627.06	46411.50	----------	----------	1
1	0.0800	284482.56	98133.30	----------	----------	1

Average Calibration Factor = 3.272862e+06 (%RSD = 5.82)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 6.846 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9250.88	2981.07	----------	----------	1
5	0.0050	18210.12	5830.36	----------	----------	1
4	0.0100	33623.22	10745.06	----------	----------	1
3	0.0200	69185.16	21967.25	----------	----------	1
2	0.0400	130021.48	41294.63	----------	----------	1
1	0.0800	248497.97	79340.82	----------	----------	1

Average Calibration Factor = 3.445816e+06 (%RSD = 7.85)

LDRIN
Component Type : Single Peak Component
Retention Time : 7.452 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8059.45	2614.53	----------	----------	1
5	0.0050	15948.70	5177.87	----------	----------	1
4	0.0100	29872.34	9620.03	----------	----------	1
3	0.0200	62427.43	20344.95	----------	----------	1
2	0.0400	119574.81	39285.01	----------	----------	1
1	0.0800	239081.56	79220.78	----------	----------	1

Average Calibration Factor = 3.105724e+06 (%RSD = 4.83)

IEPTACHLOR EPOXIDE
Component Type : Single Peak Component
Retention Time : 8.723 min
Search Window : 1.44 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9123.33	2926.96	----------	----------	1
5	0.0050	17963.48	5757.64	----------	----------	1
4	0.0100	33208.75	10581.87	----------	----------	1
3	0.0200	68302.23	21928.10	----------	----------	1
2	0.0400	128113.54	41284.64	----------	----------	1
1	0.0800	247553.69	79833.42	----------	----------	1

Average Calibration Factor = 3.404555e+06 (%RSD = 7.62)

3-CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.982 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9157.27	2923.81	----------	----------	1
5	0.0050	17903.47	5716.60	----------	----------	1
4	0.0100	33027.98	10509.45	----------	----------	1
3	0.0200	68034.30	21751.17	----------	----------	1
2	0.0400	128368.79	41366.86	----------	----------	1
1	0.0800	250764.39	81488.84	----------	----------	1

Average Calibration Factor = 3.407419e+06 (%RSD = 7.44)

-CHLORDANE
Component Type : Single Peak Component
Retention Time : 9.263 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	9220.54	2962.09	----------	----------	1
5	0.0050	18060.62	5787.74	----------	----------	1
4	0.0100	33541.65	10711.38	----------	----------	1
3	0.0200	69209.74	22313.24	----------	----------	1
2	0.0400	130813.24	42078.64	----------	----------	1
1	0.0800	255212.96	82606.11	----------	----------	1

Average Calibration Factor = 3.454860e+06 (%RSD = 6.96)

-4-DDE
Component Type : Single Peak Component
Retention Time : 9.464 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	13729.28	4506.43	----------	----------	1
5	0.0100	27069.58	8935.96	----------	----------	1
4	0.0200	50869.03	16960.86	----------	----------	1
3	0.0400	108514.02	36607.41	----------	----------	1
2	0.0800	214916.76	73043.40	----------	----------	1
1	0.1600	440282.20	147590.35	----------	----------	1

Average Calibration Factor = 2.710291e+06 (%RSD = 3.79)

:NDOSULFAN I
Component Type : Single Peak Component
Retention Time : 9.545 min
Search Window : 1.36 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8812.87	2768.86	----------	----------	1
5	0.0050	17379.74	5454.61	----------	----------	1
4	0.0100	32294.73	10040.70	----------	----------	1
3	0.0200	66862.10	20894.55	----------	----------	1
2	0.0400	125219.59	39152.77	----------	----------	1
1	0.0800	241487.36	76188.88	----------	----------	1

Average Calibration Factor = 3.311607e+06 (%RSD = 7.19)

IELDRIN
Component Type : Single Peak Component
Retention Time : 10.055 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15108.45	4773.88	----------	----------	1
5	0.0100	29575.51	9325.25	----------	----------	1
4	0.0200	54828.11	17354.58	----------	----------	1
3	0.0400	115209.55	36263.00	----------	----------	1
2	0.0800	219220.75	69858.94	----------	----------	1
1	0.1600	426486.38	135364.43	----------	----------	1

Average Calibration Factor = 2.855431e+06 (%RSD = 6.24)

NDRIN
Component Type : Single Peak Component
Retention Time : 10.542 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	12422.73	3912.77	----------	----------	1
5	0.0100	24600.38	7669.52	----------	----------	1
4	0.0200	46034.42	14321.02	----------	----------	1
3	0.0400	95563.04	29937.91	----------	----------	1
2	0.0800	181667.37	57188.80	----------	----------	1
1	0.1600	353110.68	110873.51	----------	----------	1

Average Calibration Factor = 2.369448e+06 (%RSD = 5.88)

-4-DDD
Component Type : Single Peak Component
Retention Time : 10.740 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

Jser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	0.0048	10923.93	3506.18	----------	----------	1
5	0.0100	21573.75	6885.09	----------	----------	1
4	0.0200	40217.29	12788.96	----------	----------	1
3	0.0400	83793.21	26819.25	----------	----------	1
2	0.0800	159133.11	51509.12	----------	----------	1
1	0.1600	310929.01	101487.67	----------	----------	1

Average Calibration Factor = 2.078560e+06 (%RSD = 5.94)

NDOSULFAN II
Component Type : Single Peak Component
Retention Time : 11.026 min
Search Window : 1.18 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15939.31	4937.19	----------	----------	1
5	0.0100	31009.34	9579.41	----------	----------	1
4	0.0200	57499.96	17785.24	----------	----------	1
3	0.0400	120280.97	37064.86	----------	----------	1
2	0.0800	226482.83	69780.25	----------	----------	1
1	0.1600	435344.09	132493.82	----------	----------	1

Average Calibration Factor = 2.975930e+06 (%RSD = 7.23)

-4-DDT
Component Type : Single Peak Component
Retention Time : 11.335 min
Search Window : 1.28 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	11657.56	3723.72	----------	----------	1
5	0.0100	23353.13	7434.51	----------	----------	1
4	0.0200	44028.27	14101.78	----------	----------	1
3	0.0400	93075.14	29874.08	----------	----------	1
2	0.0800	180848.71	58281.66	----------	----------	1
1	0.1600	360066.30	116396.03	----------	----------	1

Average Calibration Factor = 2.300548e+06 (%RSD = 3.49)

ENDRIN ALDEHYDE
Component Type : Single Peak Component
Retention Time : 11.940 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	13863.18	4237.36	----------	----------	1
5	0.0100	27265.26	8224.75	----------	----------	1
4	0.0200	49791.88	14965.68	----------	----------	1
3	0.0400	100943.42	30284.66	----------	----------	1
2	0.0800	186323.01	55862.32	----------	----------	1
1	0.1600	350718.80	104564.66	----------	----------	1

Average Calibration Factor = 2.524816e+06 (%RSD = 10.07)

ETHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 12.419 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0240	31175.17	9806.92	----------	----------	1
5	0.0500	59461.98	18635.47	----------	----------	1
4	0.1000	108002.19	33864.94	----------	----------	1
3	0.2000	216086.08	67474.13	----------	----------	1
2	0.4000	388250.87	120237.55	----------	----------	1
1	0.8000	696264.74	213617.39	----------	----------	1

Calibration Curve : y = (6696.661263) + (1065004.358847)x + (-254673.462261)x^2 + (0.000000)x^3
R-squared : 0.999799

ENDOSULFAN SULFATE
Component Type : Single Peak Component
Retention Time : 12.883 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	15883.29	4834.37	----------	----------	1
5	0.0100	30429.85	9133.48	----------	----------	1
4	0.0200	55753.52	16651.77	----------	----------	1
3	0.0400	115233.61	34208.61	----------	----------	1
2	0.0800	213180.97	63349.09	----------	----------	1
1	0.1600	403394.42	118200.92	----------	----------	1

Average Calibration Factor = 2.867750e+06 (%RSD = 9.78)

ENDRIN KETONE
Component Type : Single Peak Component
Retention Time : 13.469 min
Search Window : 1.20 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window

1/27/07 14:59:51 Method: E:\Methods\GAB110707.mth

Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	17388.80	5182.87	----------	----------	1
5	0.0100	33484.16	9974.03	----------	----------	1
4	0.0200	61718.27	18562.56	----------	----------	1
3	0.0400	127706.32	38442.71	----------	----------	1
2	0.0800	240168.25	72194.14	----------	----------	1
1	0.1600	454655.30	134260.30	----------	----------	1

Average Calibration Factor = 3.182225e+06 (%RSD = 8.66)

ECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 15.693 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	10185.57	3092.54	----------	----------	1
5	0.0050	20243.50	6092.93	----------	----------	1
4	0.0100	39805.28	11779.75	----------	----------	1
3	0.0200	73426.22	21586.72	----------	----------	1
2	0.0400	135233.00	39255.35	----------	----------	1
1	0.0800	243385.37	70474.11	----------	----------	1

Calibration Curve : y = (2412.246274) + (3680543.469807)x + (-8382850.307607)x^2 + (0.000000)x^3
R-squared : 0.999879

alibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
742.71	2721.47	0.0024	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7697.51	5521.19	0.0050	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5822.53	10967.94	0.0100	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110707.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
9275.77	21515.47	0.0200	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110706.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
134694.03	41412.74	0.0400	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110705.rst

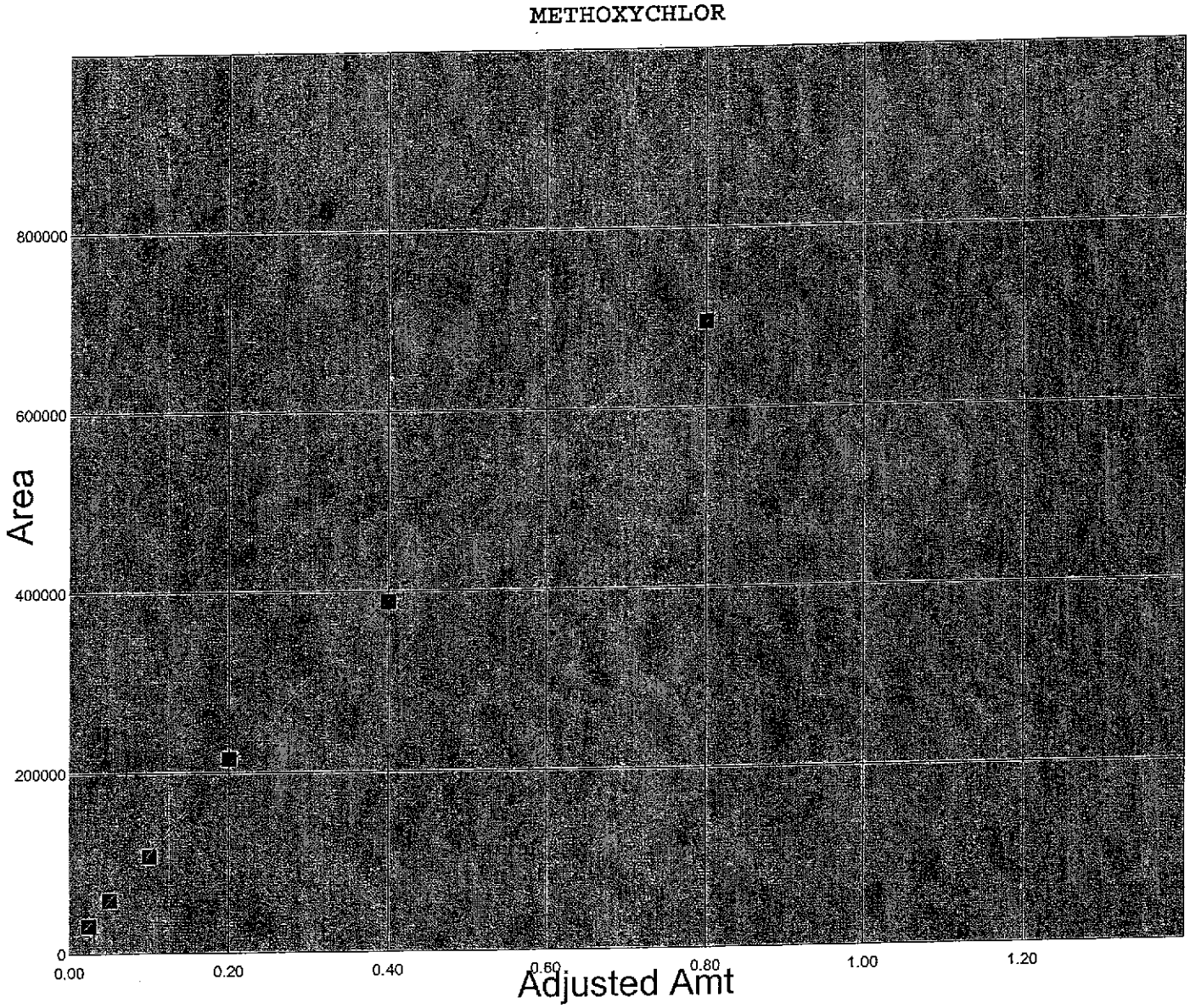
Fit Analysis Output For Method File: E:\METHODS\GAB110707.MTH
Component Name : METHOXYCHLOR
Date : 11/27/07 15:01:32

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999799
Calibration Curve : Y = (6696.661263) +(1065004.358847) X +(-254673.462261) X^2

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.024000	0.023112	0.000888	3.841	31175.167013	32110.074	-934.907	-2.912
	0.050000	0.050146	-1.460e-04	-0.291	59461.975858	59310.196	151.780	0.256
	0.100000	0.097390	0.002610	2.680	108002.187981	110650.363	-2648.175	-2.393
	0.200000	0.206840	-0.006840	-3.307	216086.075650	209510.595	6575.481	3.138
	0.400000	0.395710	0.004290	1.084	388250.866031	391950.651	-3699.785	-0.944
	0.800000	0.800845	-8.453e-04	-0.106	696264.737378	695709.132	555.605	0.080



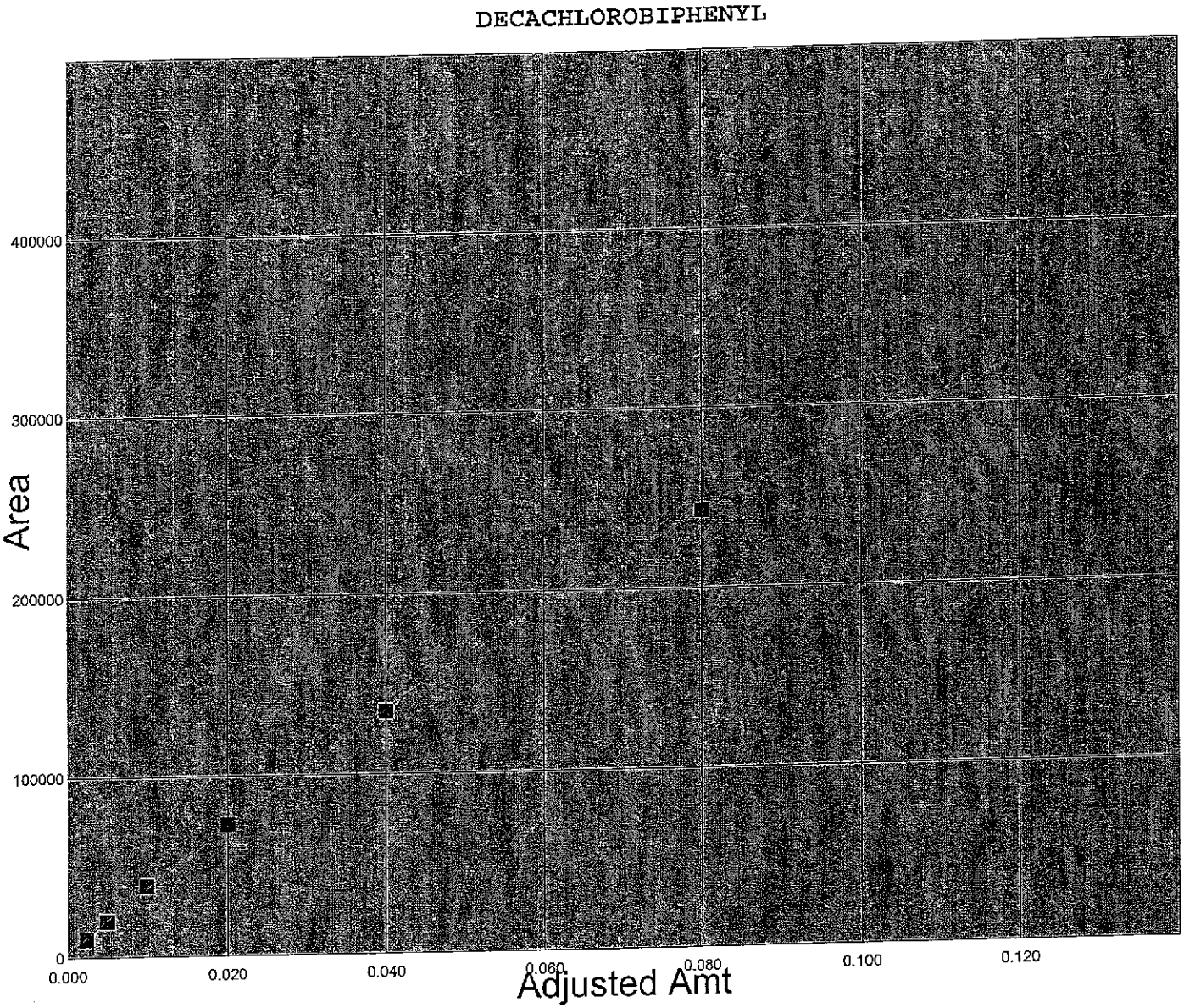
Analysis Output For Method File: E:\METHODS\GAB110707.MTH
mponent Name : DECACHLOROBIPHENYL
te : 11/27/07 15:01:22

rve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999879
Calibration Curve : Y = (2412.246274) +(3680543.469807) X +(-8382850.307607) X^2

rve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.002400	0.002122	0.000278	13.087	10185.565901	11197.265	-1011.699	-9.035
	0.005000	0.004899	0.000101	2.053	20243.503559	20605.392	-361.889	-1.756
	0.010000	0.010406	-4.063e-04	-3.904	39805.281643	38379.396	1425.886	3.715
	0.020000	0.020226	-2.262e-04	-1.118	73426.220900	72669.976	756.245	1.041
	0.040000	0.039672	0.000328	0.827	135232.995073	136221.425	-988.430	-0.726
	0.080000	0.080077	-7.692e-05	-0.096	243385.368624	243205.482	179.887	0.074



Turbochrom Method File E:\Methods\GTOX110707.mth
Printed by : manager on: 11/27/07 15:02:40
Created by : manager on: 11/08/07 11:07:09
Edited by : manager on: 11/16/07 08:43:23
Number of Times Edited : 5
Number of Times Calibrated : 113
Description: TOXAPHENE CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 4.359 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	8742.71	2721.47	----------	----------	1
5	0.0050	17697.51	5521.19	----------	----------	1
4	0.0100	35822.53	10967.94	----------	----------	1
3	0.0200	69275.77	21515.47	----------	----------	1
2	0.0400	134694.03	41412.74	----------	----------	1
1	0.0800	258909.97	78575.74	----------	----------	1

Average Calibration Factor = 3.472011e+06 (%RSD = 4.32)

OX-1
Component Type : Single Peak Component
Retention Time : 9.257 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	3009.54	598.14	----------	----------	1
2	1.0000	32228.31	5636.14	----------	----------	1
1	2.0000	61288.04	10710.91	----------	----------	1
3	0.5000	15804.09	2872.27	----------	----------	1
5	0.0500	1416.12	282.55	----------	----------	1

Average Calibration Factor = 30579.671225 (%RSD = 4.94)

OX-2
Component Type : Single Peak Component
Retention Time : 10.633 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

/27/07 15:02:40 Method: E:\Methods\GTOX110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	8824.63	1416.53	----------	----------	1
2	1.0000	83507.55	12962.16	----------	----------	1
1	2.0000	160440.15	24836.38	----------	----------	1
3	0.5000	42846.78	6661.46	----------	----------	1
5	0.0500	4147.04	664.08	----------	----------	1

Average Calibration Factor = 84121.669703 (%RSD = 3.59)

)X-3
Component Type : Single Peak Component
Retention Time : 11.033 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	7113.20	1515.42	----------	----------	1
2	1.0000	65517.51	13609.31	----------	----------	1
1	2.0000	125448.31	26177.30	----------	----------	1
3	0.5000	33997.59	7018.79	----------	----------	1
5	0.0500	3314.61	736.38	----------	----------	1

Average Calibration Factor = 66732.221647 (%RSD = 4.66)

)X-4
Component Type : Single Peak Component
Retention Time : 11.774 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	12626.34	2148.67	----------	----------	1
2	1.0000	117543.13	19561.16	----------	----------	1
1	2.0000	229146.44	38191.33	----------	----------	1
3	0.5000	60127.85	10078.64	----------	----------	1
5	0.0500	5736.06	1009.79	----------	----------	1

Average Calibration Factor = 118671.328051 (%RSD = 4.08)

)X-5
Component Type : Single Peak Component
Retention Time : 12.669 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

i/27/07 15:02:40 Method: E:\Methods\GTOX110707.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	0.1000	15788.54	3243.36	----------	----------	1
2	1.0000	150348.47	29851.94	----------	----------	1
1	2.0000	293570.08	58335.73	----------	----------	1
3	0.5000	76814.31	15277.54	----------	----------	1
5	0.0500	7131.17	1514.98	----------	----------	1

Average Calibration Factor = 150254.187961 (%RSD = 3.94)

ECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 15.721 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	0.0024	10185.57	3092.54	----------	----------	1
5	0.0050	20243.50	6092.93	----------	----------	1
4	0.0100	39805.28	11779.75	----------	----------	1
3	0.0200	73426.22	21586.72	----------	----------	1
2	0.0400	135233.00	39255.35	----------	----------	1
1	0.0800	243385.37	70474.11	----------	----------	1

Calibration Curve : y = (2412.246274) + (3680543.469807)x + (-8382850.307607)x^2 + (0.000000)x^3
R-squared : 0.999879

alibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
42.71	2721.47	0.0024	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
697.51	5521.19	0.0050	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
822.53	10967.94	0.0100	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110707.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
275.77	21515.47	0.0200	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110706.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4694.03	41412.74	0.0400	----------	----------	11/08/07	10:41:08	G:\TcData\GTnov07\G110705.rst

Level : 1

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8081A	**AAB #:**	11828
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT 57H	**Date of Initial Calibration:**	11-Nov-07
Initial Calibration ID:	1111	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File E:\Methods\hab110707.mth
Printed by : manager on: 11/27/07 15:04:06
Created by : manager on: 11/08/07 11:06:05
Edited by : manager on: 11/26/07 08:59:16
Number of Times Edited : 12
Number of Times Calibrated : 91
Description: INDIV.AB PEST CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.097 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5122.16	1532.98	----------	----------	1
5	0.0050	10473.81	3149.88	----------	----------	1
4	0.0100	21668.81	6483.29	----------	----------	1
3	0.0200	43253.03	13099.60	----------	----------	1
2	0.0400	87584.92	26411.88	----------	----------	1
1	0.0800	176009.12	52801.45	----------	----------	1

Average Calibration Factor = 2.158044e+06 (%RSD = 1.79)

ALPHA-BHC
Component Type : Single Peak Component
Retention Time : 6.393 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4366.17	1380.96	----------	----------	1
5	0.0050	8768.63	2811.66	----------	----------	1
4	0.0100	17119.27	5549.54	----------	----------	1
3	0.0200	39013.72	13063.11	----------	----------	1
2	0.0400	83979.35	28793.11	----------	----------	1
1	0.0800	195890.00	67368.22	----------	----------	1

Calibration Curve : y = (-359.147225) + (1766890.504668)x + (8578774.489766)x^2 + (0.000000)x^3
R-squared : 0.999938

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

NDANE
Component Type : Single Peak Component
Retention Time : 7.181 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4465.33	1415.12	----------	----------	1
5	0.0050	8980.11	2881.39	----------	----------	1
4	0.0100	17386.74	5648.61	----------	----------	1
3	0.0200	39265.68	13075.06	----------	----------	1
2	0.0400	83000.12	28116.68	----------	----------	1
1	0.0800	186792.61	63154.32	----------	----------	1

Calibration Curve : y = (-448.803891) + (1831554.736752)x + (6364813.542072)x^2 + (0.000000)x^3
R-squared : 0.999927

-BHC
Component Type : Single Peak Component
Retention Time : 7.368 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	3340.72	1047.45	----------	----------	1
5	0.0050	6753.15	2115.65	----------	----------	1
4	0.0100	12936.40	4073.16	----------	----------	1
3	0.0200	28046.63	8852.02	----------	----------	1
2	0.0400	55325.14	17548.86	----------	----------	1
1	0.0800	112910.85	35554.55	----------	----------	1

Average Calibration Factor = 1.372180e+06 (%RSD = 3.19)

-BHC
Component Type : Single Peak Component
Retention Time : 8.023 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4253.16	1311.39	----------	----------	1
5	0.0050	8322.98	2622.06	----------	----------	1
4	0.0100	16036.61	5135.41	----------	----------	1
3	0.0200	35740.26	12002.54	----------	----------	1
2	0.0400	75995.51	26111.37	----------	----------	1
1	0.0800	173537.71	60218.57	----------	----------	1

Calibration Curve : y = (-92.576532) + (1634766.317890)x + (6696877.723434)x^2 + (0.000000)x^3
R-squared : 0.999945

ENDRIN
Component Type : Single Peak Component
Retention Time : 8.143 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5279.08	1587.44	----------	----------	1
5	0.0050	10401.88	3138.85	----------	----------	1
4	0.0100	20047.24	5916.22	----------	----------	1
3	0.0200	41989.44	12499.90	----------	----------	1
2	0.0400	80740.98	24256.12	----------	----------	1
1	0.0800	164063.08	49308.31	----------	----------	1

Average Calibration Factor = 2.075583e+06 (%RSD = 3.40)

ALDRIN
Component Type : Single Peak Component
Retention Time : 8.866 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4564.44	1390.22	----------	----------	1
5	0.0050	9109.60	2764.95	----------	----------	1
4	0.0100	17340.26	5271.72	----------	----------	1
3	0.0200	37653.39	11657.23	----------	----------	1
2	0.0400	76124.99	24253.20	----------	----------	1
1	0.0800	165449.21	53375.83	----------	----------	1

Average Calibration Factor = 1.885284e+06 (%RSD = 5.85)

HEPTACHLOR EPOXIDE
Component Type : Single Peak Component
Retention Time : 10.159 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5084.28	1526.56	----------	----------	1
5	0.0050	10084.72	3012.59	----------	----------	1
4	0.0100	18955.03	5680.44	----------	----------	1
3	0.0200	40199.50	12248.80	----------	----------	1
2	0.0400	79185.85	24324.17	----------	----------	1
1	0.0800	163941.38	50690.24	----------	----------	1

Average Calibration Factor = 2.011631e+06 (%RSD = 3.68)

-CHLORDANE
Component Type : Single Peak Component
Retention Time : 10.571 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5455.53	1606.12	----------	----------	1
5	0.0050	10770.32	3179.30	----------	----------	1
4	0.0100	20426.58	6045.14	----------	----------	1
3	0.0200	43692.44	13048.50	----------	----------	1
2	0.0400	86612.74	26496.28	----------	----------	1
1	0.0800	181065.80	55376.01	----------	----------	1

Average Calibration Factor = 2.180520e+06 (%RSD = 3.86)

-CHLORDANE
Component Type : Single Peak Component
Retention Time : 10.900 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5413.45	1604.10	----------	----------	1
5	0.0050	10723.68	3191.63	----------	----------	1
4	0.0100	20300.92	6091.15	----------	----------	1
3	0.0200	43718.22	13266.88	----------	----------	1
2	0.0400	86971.31	26947.50	----------	----------	1
1	0.0800	182370.86	56316.75	----------	----------	1

Average Calibration Factor = 2.178377e+06 (%RSD = 4.08)

NDOSULFAN I
Component Type : Single Peak Component
Retention Time : 11.032 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	4831.88	1408.89	----------	----------	1
5	0.0050	9599.35	2799.83	----------	----------	1
4	0.0100	18079.58	5308.16	----------	----------	1
3	0.0200	38646.15	11490.32	----------	----------	1
2	0.0400	75935.26	22916.16	----------	----------	1
1	0.0800	157479.34	47902.51	----------	----------	1

Average Calibration Factor = 1.923382e+06 (%RSD = 3.61)

4-DDE
Component Type : Single Peak Component
Retention Time : 11.281 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	9090.48	2697.77	----------	----------	1
5	0.0100	18140.20	5405.23	----------	----------	1
4	0.0200	34792.07	10583.73	----------	----------	1
3	0.0400	77924.49	24205.80	----------	----------	1
2	0.0800	163636.93	51762.47	----------	----------	1
1	0.1600	355384.43	110669.97	----------	----------	1

Average Calibration Factor = 1.943700e+06 (%RSD = 8.86)

IELDRIN
Component Type : Single Peak Component
Retention Time : 11.644 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8598.34	2511.90	----------	----------	1
5	0.0100	16945.89	4971.10	----------	----------	1
4	0.0200	32179.31	9544.46	----------	----------	1
3	0.0400	70518.94	21421.40	----------	----------	1
2	0.0800	143441.54	43754.61	----------	----------	1
1	0.1600	301720.57	92020.68	----------	----------	1

Average Calibration Factor = 1.756104e+06 (%RSD = 5.40)

NDRIN
Component Type : Single Peak Component
Retention Time : 12.329 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

1/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6813.95	1965.09	----------	----------	1
5	0.0100	13357.48	3866.78	----------	----------	1
4	0.0200	25546.77	7494.10	----------	----------	1
3	0.0400	55266.71	16509.73	----------	----------	1
2	0.0800	110884.22	33405.72	----------	----------	1
1	0.1600	230726.23	68358.85	----------	----------	1

Average Calibration Factor = 1.373737e+06 (%RSD = 4.33)

4-DDD
Component Type : Single Peak Component
Retention Time : 12.574 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6853.12	1979.11	----------	----------	1
5	0.0100	13288.45	3899.03	----------	----------	1
4	0.0200	25030.89	7416.02	----------	----------	1
3	0.0400	54079.37	16430.90	----------	----------	1
2	0.0800	108510.98	33881.42	----------	----------	1
1	0.1600	226829.25	71050.15	----------	----------	1

Average Calibration Factor = 1.355696e+06 (%RSD = 4.74)

NDOSULFAN II
Component Type : Single Peak Component
Retention Time : 12.805 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8887.58	2580.17	----------	----------	1
5	0.0100	17459.66	5077.90	----------	----------	1
4	0.0200	33140.11	9684.98	----------	----------	1
3	0.0400	72389.03	21241.11	----------	----------	1
2	0.0800	144756.57	42973.91	----------	----------	1
1	0.1600	298571.97	87366.16	----------	----------	1

Average Calibration Factor = 1.789968e+06 (%RSD = 4.33)

4-DDT
Component Type : Single Peak Component
Retention Time : 13.266 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	6905.86	2030.27	----------	----------	1
5	0.0100	14019.91	4127.38	----------	----------	1
4	0.0200	27146.68	8154.41	----------	----------	1
3	0.0400	60878.96	18491.50	----------	----------	1
2	0.0800	124355.44	38026.46	----------	----------	1
1	0.1600	262599.38	79868.93	----------	----------	1

Average Calibration Factor = 1.485951e+06 (%RSD = 7.12)

NDRIN ALDEHYDE
Component Type : Single Peak Component
Retention Time : 13.568 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8667.75	2481.62	----------	----------	1
5	0.0100	16934.89	4866.59	----------	----------	1
4	0.0200	31837.43	9106.18	----------	----------	1
3	0.0400	66998.16	19293.18	----------	----------	1
2	0.0800	128689.60	36949.93	----------	----------	1
1	0.1600	253491.55	72280.87	----------	----------	1

Average Calibration Factor = 1.659840e+06 (%RSD = 5.08)

NDOSULFAN SULFATE
Component Type : Single Peak Component
Retention Time : 14.183 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	8364.23	2439.30	----------	----------	1
5	0.0100	16342.90	4803.60	----------	----------	1
4	0.0200	30628.45	8994.59	----------	----------	1
3	0.0400	66257.66	19631.07	----------	----------	1
2	0.0800	134484.51	38729.20	----------	----------	1
1	0.1600	274953.51	78134.01	----------	----------	1

Average Calibration Factor = 1.660703e+06 (%RSD = 4.50)

IETHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 14.812 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

/27/07 15:04:06 Method: E:\Methods\hab110707.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0240	17963.46	5445.05	----------	----------	1
5	0.0500	35411.18	10662.85	----------	----------	1
4	0.1000	66611.16	19973.05	----------	----------	1
3	0.2000	141066.75	41996.01	----------	----------	1
2	0.4000	267147.74	78121.10	----------	----------	1
1	0.8000	505110.31	145318.11	----------	----------	1

Average Calibration Factor = 687900.647026 (%RSD = 5.98)

IDRIN KETONE
Component Type : Single Peak Component
Retention Time : 15.383 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0048	9348.39	2669.58	----------	----------	1
5	0.0100	18652.34	5383.87	----------	----------	1
4	0.0200	36040.26	10474.67	----------	----------	1
3	0.0400	80103.67	23298.49	----------	----------	1
2	0.0800	161544.01	46888.98	----------	----------	1
1	0.1600	329518.12	93526.87	----------	----------	1

Average Calibration Factor = 1.949368e+06 (%RSD = 5.06)

ECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 18.311 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	6983.41	1588.76	----------	----------	1
5	0.0050	14218.13	3189.28	----------	----------	1
4	0.0100	28959.97	6501.39	----------	----------	1
3	0.0200	57631.37	12626.42	----------	----------	1
2	0.0400	111764.34	24253.66	----------	----------	1
1	0.0800	216189.35	45909.69	----------	----------	1

Average Calibration Factor = 2.837904e+06 (%RSD = 2.76)

alibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22.16	1532.98	0.0024	----------	----------	11/08/07	10:55:04	G:\TcData\GTnov07\H110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
9473.81	3149.88	0.0050	----------	----------	11/08/07	10:55:04	G:\TcData\GTnov07\H110708.rst

Level : 4

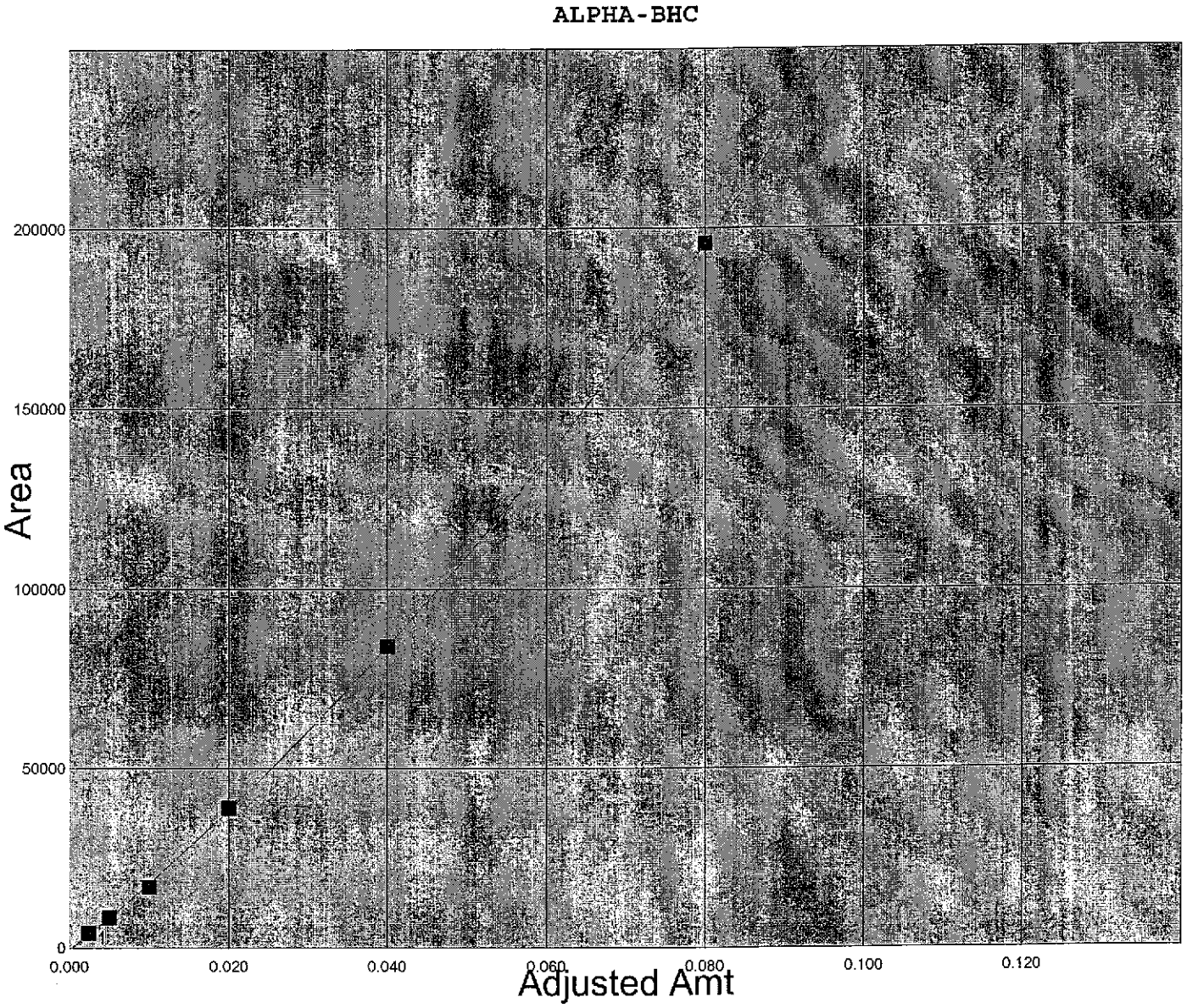
t Analysis Output For Method File: E:\METHODS\HAB110707.MTH
ɔmponent Name : ALPHA-BHC
ate : 11/27/07 15:05:25

ɹrve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999938
Calibration Curve : Y = (-359.147225) +(1766890.504668) X +(8578774.489766) X^2

ɹrve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.002400	0.002641	-2.405e-04	-9.109	4366.173972	3930.804	435.370	11.076
	0.005000	0.005043	-4.256e-05	-0.844	8768.630968	8689.775	78.856	0.907
	0.010000	0.009458	0.000542	5.732	17119.273861	18167.635	-1048.361	-5.770
	0.020000	0.020286	-2.857e-04	-1.408	39013.718721	38410.173	603.546	1.571
	0.040000	0.039974	2.5749e-05	0.064	83979.351676	84042.512	-63.160	-0.075
	0.080000	0.079998	1.9910e-06	0.002	195889.999153	195896.250	-6.251	-0.003



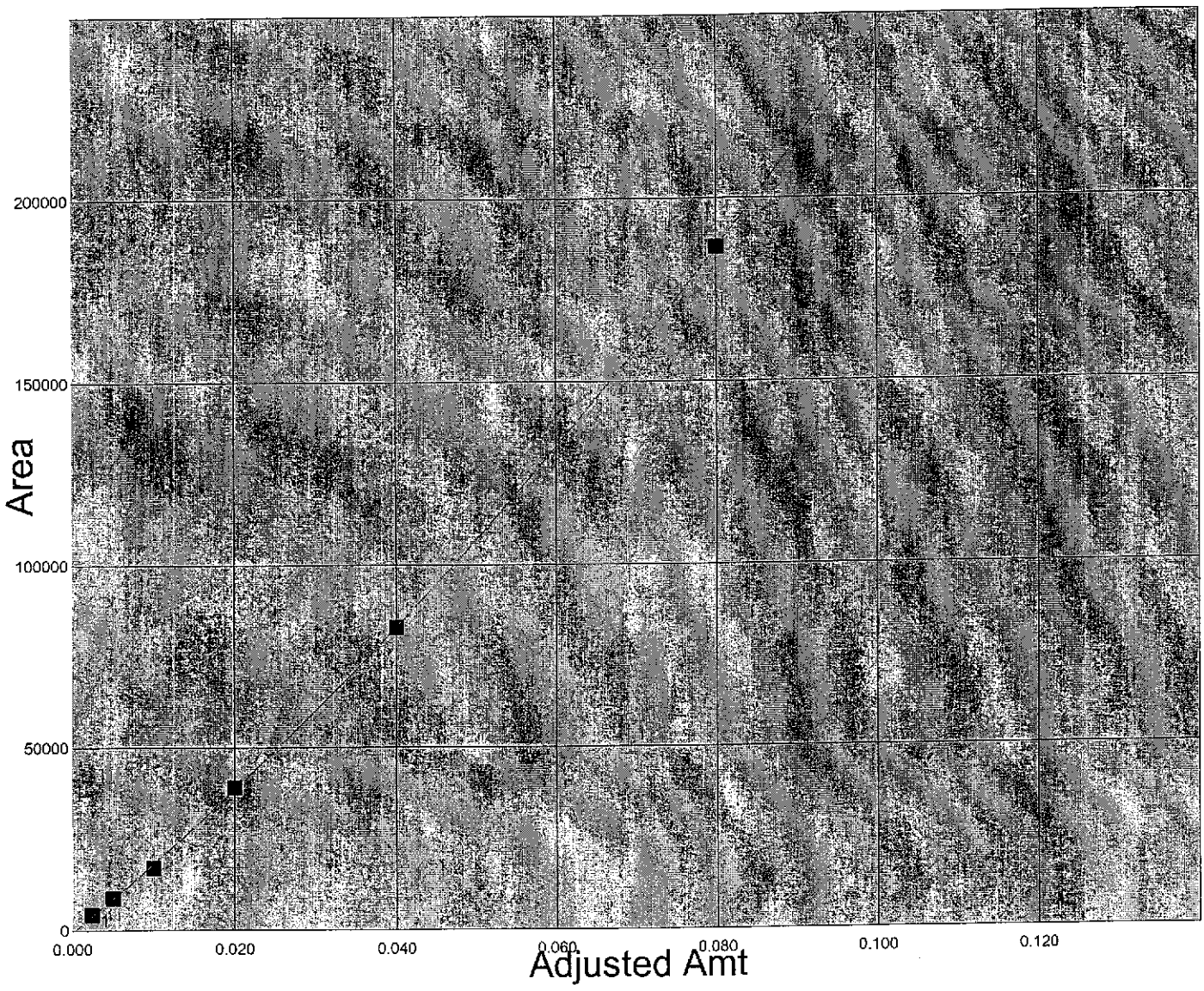
: Analysis Output For Method File: E:\METHODS\HAB110707.MTH
)mponent Name : LINDANE
ite : 11/27/07 15:05:36

irve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999927
Calibration Curve : Y = (-448.803891) +(1831554.736752) X +(6364813.542072) X^2

irve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.002400	0.002658	-2.585e-04	-9.723	4465.330563	3983.589	481.742	12.093
	0.005000	0.005059	-5.910e-05	-1.168	8980.111890	8868.090	112.022	1.263
	0.010000	0.009429	0.000571	6.056	17386.741592	18503.225	-1116.483	-6.034
	0.020000	0.020257	-2.574e-04	-1.271	39265.675300	38728.216	537.459	1.388
	0.040000	0.040001	-1.298e-06	-0.003	83000.124544	82997.087	3.037	0.004
	0.080000	0.079994	6.2377e-06	0.008	186792.605102	186810.382	-17.777	-0.010



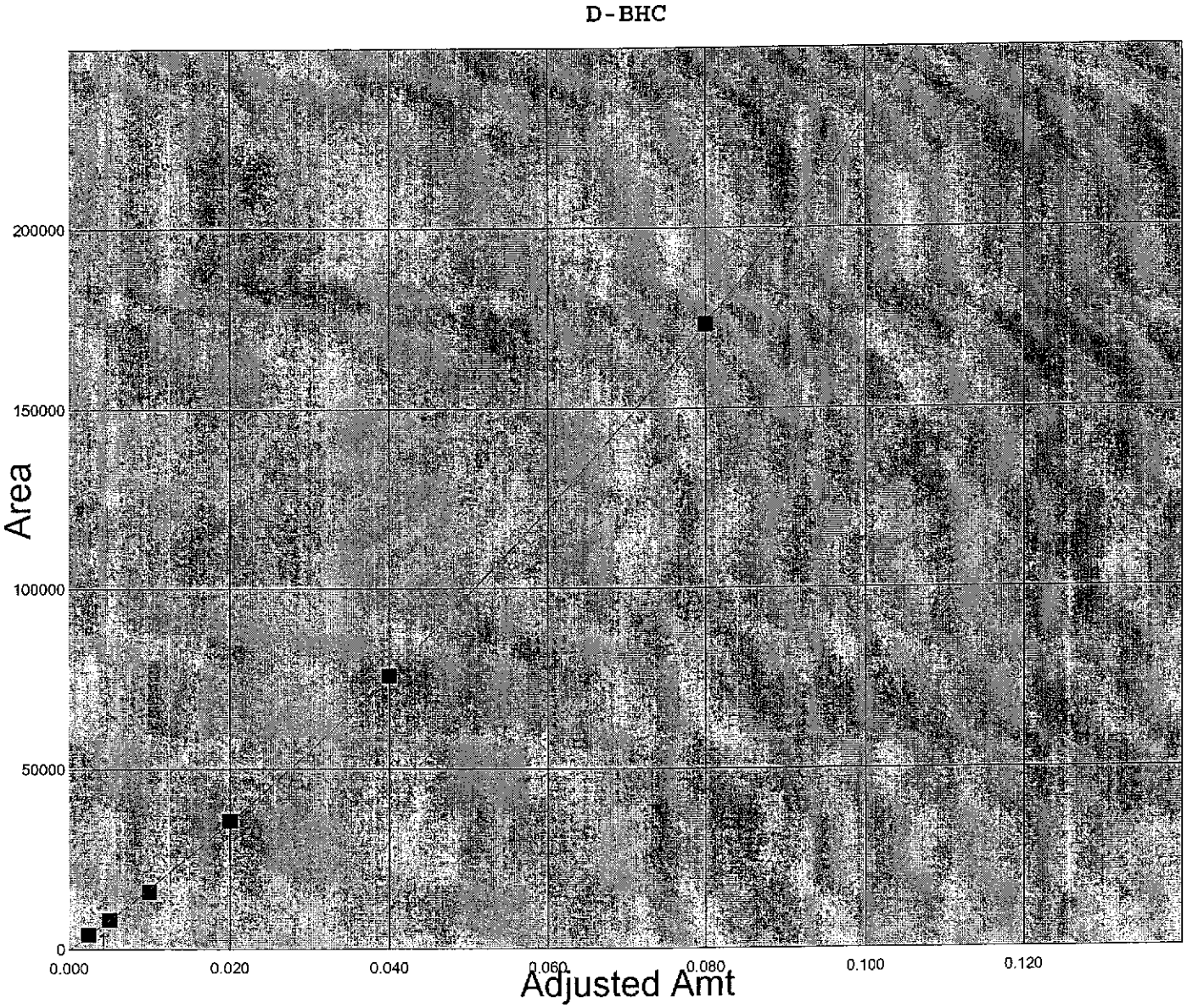
t Analysis Output For Method File: E:\METHODS\HAB110707.MTH
omponent Name : D-BHC
ate : 11/27/07 15:05:47

urve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999945
Calibration Curve : Y = (-92.576532) +(1634766.317890) X +(6696877.723434) X^2

urve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.002400	0.002630	-2.300e-04	-8.745	4253.156932	3869.437	383.720	9.917
	0.005000	0.005044	-4.365e-05	-0.866	8322.976700	8248.677	74.300	0.901
	0.010000	0.009497	0.000503	5.298	16036.609517	16924.774	-888.165	-5.248
	0.020000	0.020241	-2.409e-04	-1.190	35740.255819	35281.501	458.755	1.300
	0.040000	0.039992	8.0965e-06	0.020	75995.507475	76013.081	-17.573	-0.023
	0.080000	0.079996	4.0783e-06	0.005	173537.709409	173548.746	-11.037	-0.006



urbochrom Method File E:\Methods\HTOX110707.mth
Printed by : manager on: 11/27/07 15:06:33
Created by : manager on: 11/08/07 11:06:38
Edited by : manager on: 11/16/07 08:51:41
Number of Times Edited : 4
Number of Times Calibrated : 88
Description: INDIV.AB PEST CALIBRATION

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.123 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	5122.16	1532.98	----------	----------	1
5	0.0050	10473.81	3149.88	----------	----------	1
4	0.0100	21668.81	6483.29	----------	----------	1
3	0.0200	43253.03	13099.60	----------	----------	1
2	0.0400	87584.92	26411.88	----------	----------	1
1	0.0800	176009.12	52801.45	----------	----------	1

Average Calibration Factor = 2.158044e+06 (%RSD = 1.79)

OX-1
Component Type : Single Peak Component
Retention Time : 10.765 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	591.56	130.40	----------	----------	1
4	0.1000	1461.38	285.57	----------	----------	1
2	1.0000	21121.08	2976.77	----------	----------	1
1	2.0000	43640.50	6029.31	----------	----------	1
3	0.5000	9370.95	1451.09	----------	----------	1

Calibration Curve : y = (-961.114113) + (22189.325721)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999312

OX-2
Component Type : Single Peak Component
Retention Time : 11.643 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window

/27/07 15:06:33 Method: E:\Methods\HTOX110707.mth

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	1424.73	265.86	----------	----------	1
4	0.1000	2968.01	569.95	----------	----------	1
2	1.0000	35803.61	5958.95	----------	----------	1
1	2.0000	72912.36	12010.22	----------	----------	1
3	0.5000	17241.39	2936.68	----------	----------	1

Calibration Curve : y = (-753.262039) + (36744.220425)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999907

OX-3
Component Type : Single Peak Component
Retention Time : 13.021 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	3425.38	732.24	----------	----------	1
4	0.1000	7511.49	1550.62	----------	----------	1
2	1.0000	92581.43	16105.97	----------	----------	1
1	2.0000	192993.31	33737.41	----------	----------	1
3	0.5000	44827.51	7914.89	----------	----------	1

Calibration Curve : y = (-2744.669723) + (97277.389694)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999661

OX-4
Component Type : Single Peak Component
Retention Time : 13.598 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	2609.94	576.13	----------	----------	1
4	0.1000	5671.07	1181.28	----------	----------	1
2	1.0000	67469.85	12630.10	----------	----------	1
1	2.0000	141855.78	26772.68	----------	----------	1
3	0.5000	32424.71	6140.07	----------	----------	1

i/27/07 15:06:33 Method: E:\Methods\HTOX110707.mth

Calibration Curve : y = (-2135.756724) + (71427.434869)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999415

DX-5
Component Type : Single Peak Component
Retention Time : 14.742 min
Search Window : 1.08 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	4665.18	788.74	----------	----------	1
4	0.1000	10014.25	1630.35	----------	----------	1
2	1.0000	115109.16	17051.82	----------	----------	1
1	2.0000	241088.37	35543.40	----------	----------	1
3	0.5000	55694.02	8276.02	----------	----------	1

Calibration Curve : y = (-3187.983862) + (121235.865717)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999495

ECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 18.359 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	6983.41	1588.76	----------	----------	1
5	0.0050	14218.13	3189.28	----------	----------	1
4	0.0100	28959.97	6501.39	----------	----------	1
3	0.0200	57631.37	12626.42	----------	----------	1
2	0.0400	111764.34	24253.66	----------	----------	1
1	0.0800	216189.35	45909.69	----------	----------	1

Average Calibration Factor = 2.837904e+06 (%RSD = 2.76)

alibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22.16	1532.98	0.0024	----------	----------	11/08/07	10:55:04	G:\TcData\GTnov07\H110709.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
473.81	3149.88	0.0050	----------	----------	11/08/07	10:55:04	G:\TcData\GTnov07\H110708.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
668.81	6483.29	0.0100	----------	----------	11/08/07	10:55:04	G:\TcData\GTnov07\H110707.rst

Level : 3

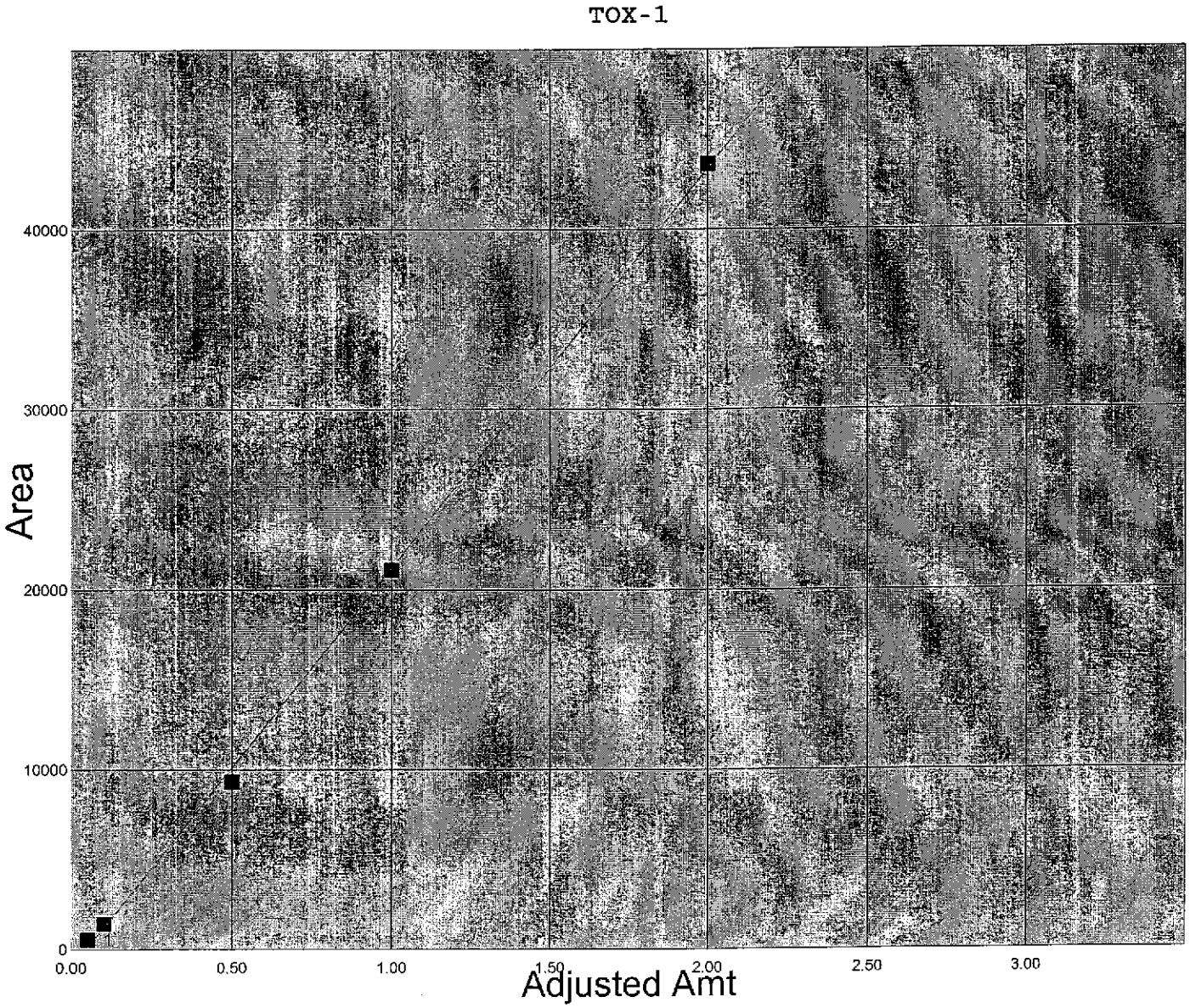
Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
mponent Name : TOX-1
ite : 11/27/07 15:07:03

rve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999312
Calibration Curve : Y = (-961.114113) +(22189.325721) X

rve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.069974	-0.019974	-28.545	591.564451	148.352	443.212	298.757
	0.100000	0.109174	-0.009174	-8.403	1461.382493	1257.818	203.564	16.184
	0.500000	0.465632	0.034368	7.381	9370.947578	10133.549	-762.601	-7.526
	1.000000	0.995172	0.004828	0.485	21121.077755	21228.212	-107.134	-0.505
	2.000000	2.010048	-0.010048	-0.500	43640.496038	43417.537	222.959	0.514



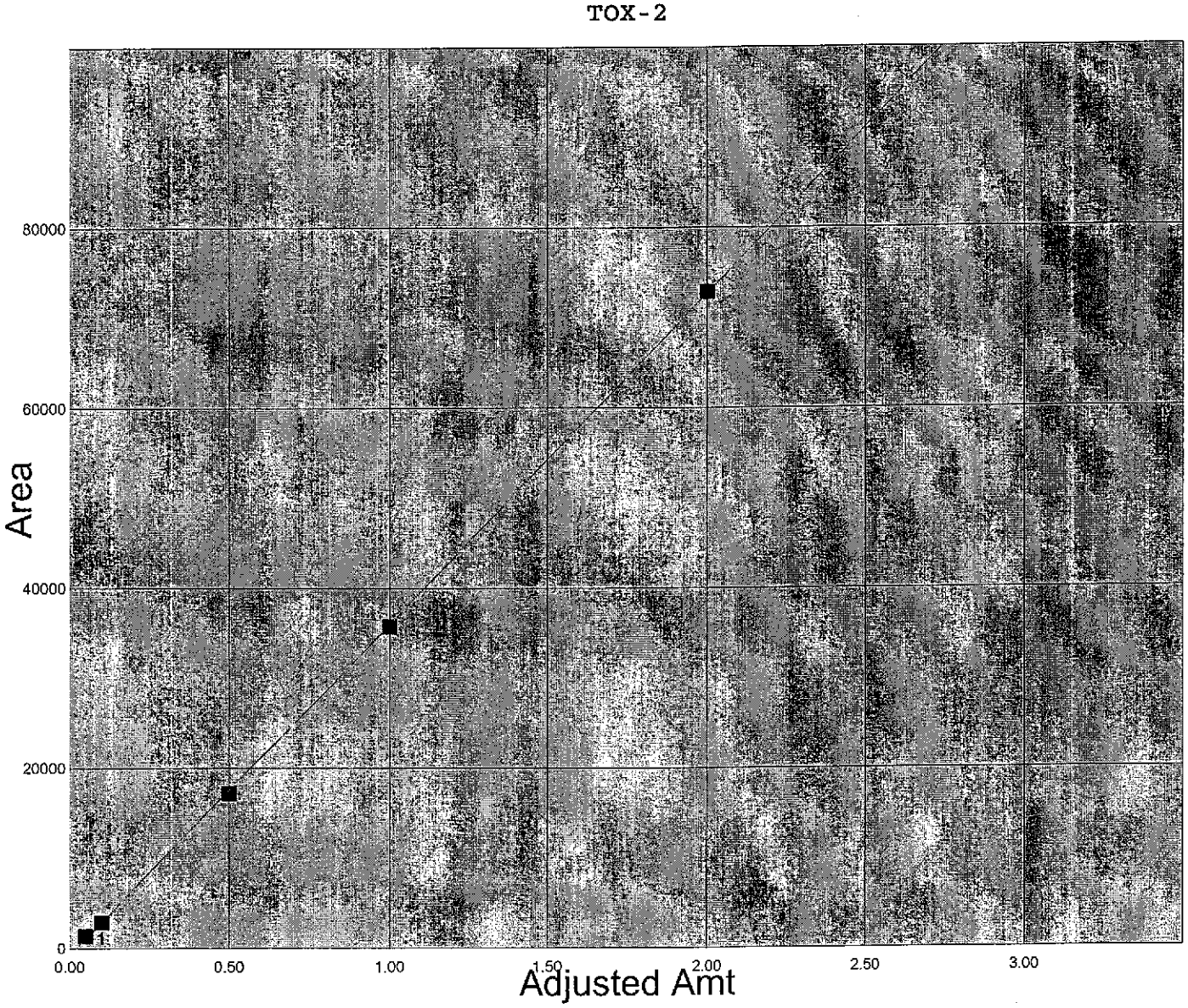
t Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
ɔmponent Name : TOX-2
ate : 11/27/07 15:07:09

ɹrve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999907
Calibration Curve : Y = (-753.262039) +(36744.220425) X

ɹrve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.059274	-0.009274	-15.647	1424.730363	1083.949	340.781	31.439
	0.100000	0.101275	-0.001275	-1.259	2968.011577	2921.160	46.852	1.604
	0.500000	0.489727	0.010273	2.098	17241.385720	17618.848	-377.462	-2.142
	1.000000	0.994901	0.005099	0.512	35803.610381	35990.958	-187.348	-0.521
	2.000000	2.004822	-0.004822	-0.241	72912.356312	72735.179	177.178	0.244



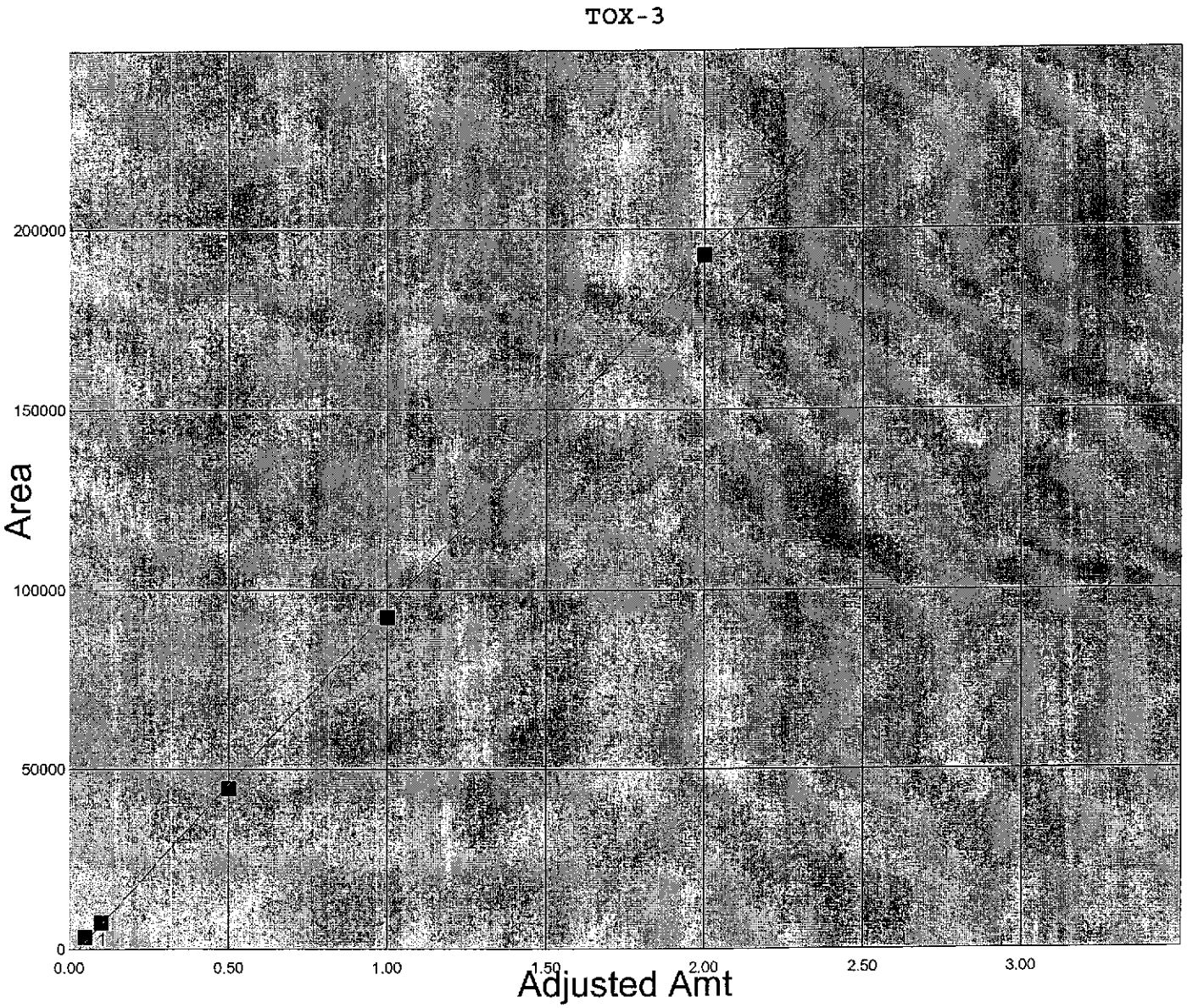
t Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
ɔmponent Name : TOX-3
ate : 11/27/07 15:07:14

urve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999661
Calibration Curve : Y = (-2744.669723) +(97277.389694) X

urve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.063427	-0.013427	-21.170	3425.380717	2119.200	1306.181	61.636
	0.100000	0.105432	-0.005432	-5.152	7511.494524	6983.069	528.425	7.567
	0.500000	0.489036	0.010964	2.242	44827.512934	45894.025	-1066.512	-2.324
	1.000000	0.979941	0.020059	2.047	92581.427364	94532.720	-1951.293	-2.064
	2.000000	2.012163	-0.012163	-0.604	192993.308227	191810.110	1183.199	0.617



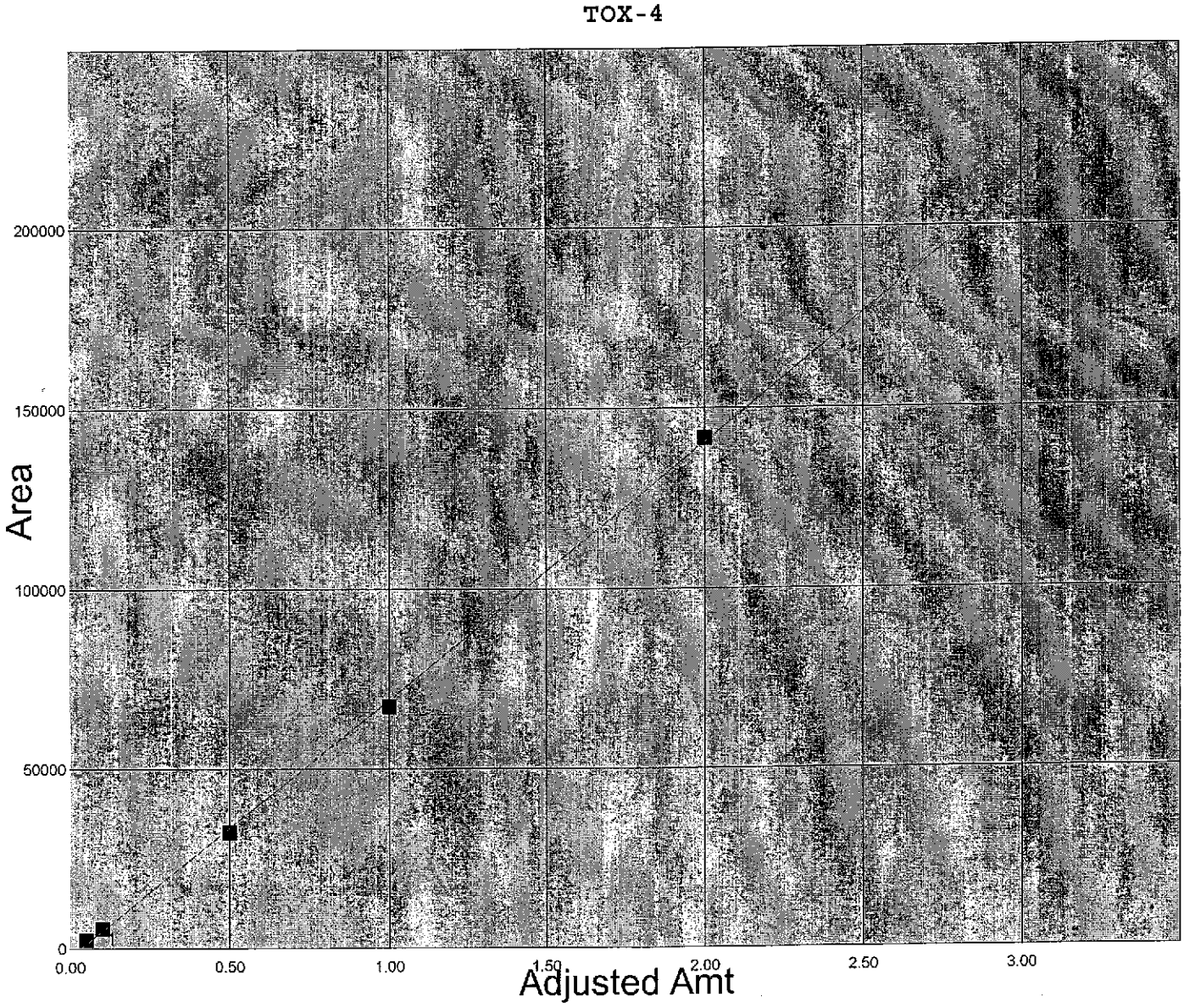
Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
mponent Name : TOX-4
te : 11/27/07 15:07:19

rve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999415
Calibration Curve : Y = (-2135.756724) +(71427.434869) X

rve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.066441	-0.016441	-24.745	2609.944417	1435.615	1174.329	81.800
	0.100000	0.109297	-0.009297	-8.506	5671.072354	5006.987	664.086	13.263
	0.500000	0.483854	0.016146	3.337	32424.707312	33577.961	-1153.253	-3.435
	1.000000	0.974494	0.025506	2.617	67469.853294	69291.678	-1821.825	-2.629
	2.000000	2.015914	-0.015914	-0.789	141855.776274	140719.113	1136.663	0.808



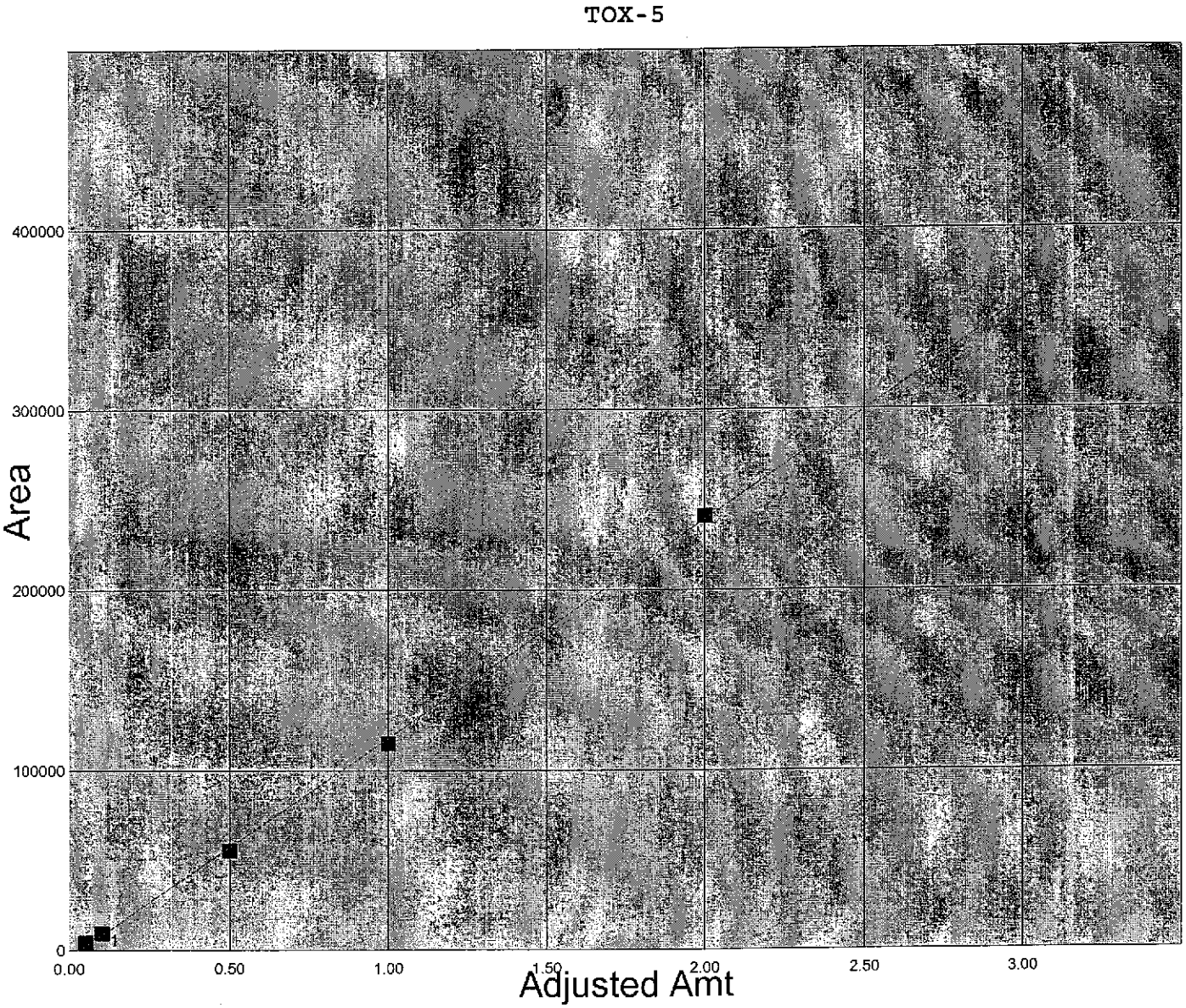
Analysis Output For Method File: E:\METHODS\HTOX110707.MTH
ɔmponent Name : TOX-5
ıte : 11/27/07 15:07:24

ırve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.999495
Calibration Curve : Y = (-3187.983862) +(121235.865717) X

ırve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.064776	-0.014776	-22.811	4665.180965	2873.809	1791.372	62.334
	0.100000	0.108897	-0.008897	-8.170	10014.254278	8935.603	1078.652	12.071
	0.500000	0.485681	0.014319	2.948	55694.024223	57429.949	-1735.925	-3.023
	1.000000	0.975760	0.024240	2.484	115109.156527	118047.882	-2938.725	-2.489
	2.000000	2.014885	-0.014885	-0.739	241088.374562	239283.748	1804.627	0.754



AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11828
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111
Second Source ID:	I110707PEST	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
alpha-BHC	0.05	0.057	-14.0	
beta-BHC	0.05	0.058	-15.6	
delta-BHC	0.05	0.056	-12.4	
gamma-BHC	0.05	0.058	-15.0	
alpha-Chlordane	0.05	0.059	-18.0	
gamma-Chlordane	0.05	0.059	-17.8	
4,4´-DDD	0.05	0.056	-12.8	
4,4´-DDE	0.05	0.057	-13.6	
4,4´-DDT	0.05	0.055	-10	
Aldrin	0.05	0.06	-19.4	
Dieldrin	0.05	0.057	-14.4	
Endosulfan I	0.05	0.057	-13.0	
Endosulfan II	0.05	0.057	-13.8	
Endosulfan sulfate	0.05	0.057	-14.8	
Endrin	0.05	0.057	-13.8	
Endrin aldehyde	0.05	0.055	-10.4	
Heptachlor	0.05	0.056	-11.2	
Heptachlor epoxide	0.05	0.057	-14.0	
Methoxychlor	0.05	0.06	-20.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11827
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110
Second Source ID:	I110707PEST	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
alpha-BHC	0.05	0.06	-20.0	
beta-BHC	0.05	0.054	-8.8	
delta-BHC	0.05	0.06	-19.0	
gamma-BHC	0.05	0.06	-19.8	
alpha-Chlordane	0.05	0.055	-9.2	
gamma-Chlordane	0.05	0.055	-9.6	
4,4´-DDD	0.05	0.056	-11.4	
4,4´-DDE	0.05	0.056	-11.0	
4,4´-DDT	0.05	0.054	-7.8	
Aldrin	0.05	0.056	-11.6	
Dieldrin	0.05	0.056	-11.2	
Endosulfan I	0.05	0.053	-5.2	
Endosulfan II	0.05	0.055	-9.8	
Endosulfan sulfate	0.05	0.055	-9.8	
Endrin	0.05	0.056	-11.6	
Endrin aldehyde	0.05	0.055	-9.4	
Heptachlor	0.05	0.052	-4.0	
Heptachlor epoxide	0.05	0.053	-6.0	
Methoxychlor	0.05	0.059	-18.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11828
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111
Second Source ID:	I110707TOX	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Toxaphene	0.5	0.44	11.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	R11827
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110
Second Source ID:	I110707TOX	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Toxaphene	0.5	0.53	-5.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	11920
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT_57G	**Initial Calibration ID:**	1110

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP

		Name: INDAB-3 File: G111503 Date: 11/15/07 Time 15:05		Name: INDAB-3 File: G111515 Date: 11/15/07 Time 19:42		Name: INDAB-3 File: G111527 Date: 11/16/07 Time 00:18	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0205	3	.0215	7	.0214	7
LINDANE	0.02	.0204	2	.0214	7	.0214	7
HEPTACHLOR	0.02	.0200	0	.0205	3	.0207	4
ENDOSULFAN I	0.02	.0205	3	.0214	7	.0212	6
DIELDRIN	0.04	.0412	3	.0431	8	.0437	9
ENDRIN	0.04	.0414	4	.0420	5	.0431	8
4-4-DDD	0.04	.0414	4	.0432	8	.0437	9
4-4-DDT	0.04	.0382	5	.0399	0	.0396	1
METHOXYCHLOR	0.20	.193	4	.202	1	.209	4
B-BHC	0.02	.0202	1	.0213	6	.0208	4
D-BHC	0.02	.0200	0	.0213	6	.0212	6
ALDRIN	0.02	.0205	3	.0214	7	.0214	7
HEPTACHLOR EPOXIDE	0.02	.0202	1	.0211	6	.0209	4
G-CHLORDANE	0.02	.0200	0	.0210	5	.0208	4
A-CHLORDANE	0.02	.0202	1	.0211	6	.0205	3
4-4-DDE	0.04	.0403	1	.0422	6	.0424	6
ENDOSULFAN II	0.04	.0407	2	.0426	6	.0415	4
ENDRIN ALDEHYDE	0.04	.0385	4	.0405	1	.0401	0
ENDOSULFAN SULFATE	0.04	.0399	0	.0420	5	.0419	5
ENDRIN KETONE	0.04	.0410	3	.0433	8	.0431	8
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			2		5		5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP

		Name: INDAB-3		Name: TOX-3		Name:	
		File: G111542		File: G111543		File:	
		Date: 11/16/07		Date: 11/16/07		Date:	
		Time 06:02		Time 06:25		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0198	1				
LINDANE	0.02	.0199	0				
HEPTACHLOR	0.02	.0192	4				
ENDOSULFAN I	0.02	.0197	2				
DIELDRIN	0.04	.0408	2				
ENDRIN	0.04	.0397	1				
4-4-DDD	0.04	.0430	7				
4-4-DDT	0.04	.0314	22 *				
METHOXYCHLOR	0.20	.181	10				
B-BHC	0.02	.0195	3				
D-BHC	0.02	.0196	2				
ALDRIN	0.02	.0200	0				
HEPTACHLOR EPOXIDE	0.02	.0196	2				
G-CHLORDANE	0.02	.0195	3				
A-CHLORDANE	0.02	.0196	2				
4-4-DDE	0.04	.0396	1				
ENDOSULFAN II	0.04	.0398	0				
ENDRIN ALDEHYDE	0.04	.0386	4				
ENDOSULFAN SULFATE	0.04	.0393	2				
ENDRIN KETONE	0.04	.0411	3				
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50			.562	12		
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			4		12		#DIV/0!

Page 1
Page 3
Page 2

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8081A	**AAB #:**	11921
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCGT_57H	**Initial Calibration ID:**	1111

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H111503 Date: 11/15/07 Time 15:05		Name: INDAB-3 File: H111515 Date: 11/15/07 Time 19:42		Name: INDAB-3 File: H111527 Date: 11/16/07 Time 00:18	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0208	4	.0213	6	.0212	6
LINDANE	0.02	.0206	3	.0212	6	.0208	4
HEPTACHLOR	0.02	.0200	0	.0204	2	.0206	3
ENDOSULFAN I	0.02	.0205	3	.0211	6	.0212	6
DIELDRIN	0.04	.0414	4	.0425	6	.0430	7
ENDRIN	0.04	.0419	5	.0411	3	.0423	6
4-4-DDD	0.04	.0409	2	.0417	4	.0429	7
4-4-DDT	0.04	.0385	4	.0390	3	.0381	5
METHOXYCHLOR	0.20	.187	7	.196	2	.205	2
B-BHC	0.02	.0207	4	.0212	6	.0206	3
D-BHC	0.02	.0213	6	.0211	6	.0215	7
ALDRIN	0.02	.0205	3	.0210	5	.0210	5
HEPTACHLOR EPOXIDE	0.02	.0203	1	.0210	5	.0212	6
G-CHLORDANE	0.02	.0201	0	.0207	4	.0207	4
A-CHLORDANE	0.02	.0202	1	.0206	3	.0209	4
4-4-DDE	0.04	.0409	2	.0415	4	.0415	4
ENDOSULFAN II	0.04	.0409	2	.0421	5	.0423	6
ENDRIN ALDEHYDE	0.04	.0384	4	.0399	0	.0399	0
ENDOSULFAN SULFATE	0.04	.0400	0	.0411	3	.0422	6
ENDRIN KETONE	0.04	.0420	5	.0438	9	.0440	10
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50						
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			3		4		5

PESTICIDE/PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-GT SEQUENCE: gt111507.SEQ COLUMN: RTXCLP2

		Name: INDAB-3 File: H111542 Date: 11/16/07 Time 06:02		Name: TOX-3 File: H111543 Date: 11/16/07 Time 06:25		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
ALPHA-BHC	0.02	.0203	1				
LINDANE	0.02	.0199	0				
HEPTACHLOR	0.02	.0197	2				
ENDOSULFAN I	0.02	.0202	1				
DIELDRIN	0.04	.0412	3				
ENDRIN	0.04	.0392	2				
4-4-DDD	0.04	.0422	6				
4-4-DDT	0.04	.0295	26 *				
METHOXYCHLOR	0.20	.182	9				
B-BHC	0.02	.0198	1				
D-BHC	0.02	.0204	2				
ALDRIN	0.02	.0201	0				
HEPTACHLOR EPOXIDE	0.02	.0201	0				
G-CHLORDANE	0.02	.0198	1				
A-CHLORDANE	0.02	.0198	1				
4-4-DDE	0.04	.0398	0				
ENDOSULFAN II	0.04	.0400	0				
ENDRIN ALDEHYDE	0.04	.0388	3				
ENDOSULFAN SULFATE	0.04	.0402	0				
ENDRIN KETONE	0.04	.0420	5				
TECH. CHLORDANE	0.20						
TOXAPHENE	0.50			.470	6		
AR1016	0.40						
AR1221	0.40						
AR1232	0.40						
AR1242	0.40						
AR1248	0.40						
AR1254	0.40						
AR1260	0.40						
HEXACHLOROBENZENE	0.10						
AVERAGE % D			3		6		#DIV/0!

Page 1
Page 3
Page 2

AFCEE
ORGANIC ANALYSES DATA SHEET 6
SECOND COLUMN/DETECTOR CONFIRMATION

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Matrix Solid

SEE ATTACHED SECOND COLUMN/DETECTOR CONFIRMATION

Comments:

AFCEE FORM O-6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

TMCSW0701BB

Lab Name: Life Science Laborator Contract: _____

Lab Code: LSLB Case No.: FPM SAS No.: F4624-03- SDG No.: 0710131

Lab Sample ID: 0710131-007A Date(s) Analyzed: 11/15/07 11/15/07

Instrument ID (1): GCGT 57G Instrument ID (2): GCGT 57H

GC Column(1): RtxCLP ID: 0.5 (mm) GC Column(2): RtxCLP2 ID: 0.5 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	10.10	-0.07	0.07	0.022	
	2	11.69	-0.07	0.07	0.029	27.5

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8081A	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-6449
Initial Calibration ID:	1111	**File ID:**	F:\GTnov07\H111504.rst

Analyte	Method Blank	RL	Q
alpha-BHC	0.0070	0.10	U
beta-BHC	0.036	0.10	U
delta-BHC	0.0086	0.10	U
gamma-BHC	0.0076	0.10	U
alpha-Chlordane	0.010	0.10	U
gamma-Chlordane	0.0085	0.10	U
4,4´-DDD	0.0091	0.10	U
4,4´-DDE	0.0077	0.10	U
4,4´-DDT	0.0070	0.10	U
Aldrin	0.010	0.10	U
Dieldrin	0.0092	0.10	U
Endosulfan I	0.012	0.10	U
Endosulfan II	0.0094	0.10	U
Endosulfan sulfate	0.0098	0.10	U
Endrin	0.014	0.10	U
Endrin aldehyde	0.011	0.10	U
Heptachlor	0.016	0.10	U
Heptachlor epoxide	0.028	0.10	U
Methoxychlor	0.012	0.50	U
Toxaphene	0.29	1.0	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	85	32 - 135	
Tetrachloro-m-xylene	89	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8081A	**AAB #:**	6449
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-6449
Initial Calibration ID:	1110	**File ID:**	F:\GTnov07\G111504.rst

Analyte	Method Blank	RL	Q
alpha-BHC	0.0070	0.10	U
beta-BHC	0.036	0.10	U
delta-BHC	0.0086	0.10	U
gamma-BHC	0.0076	0.10	U
alpha-Chlordane	0.010	0.10	U
gamma-Chlordane	0.0085	0.10	U
4,4'-DDD	0.0091	0.10	U
4,4'-DDE	0.0077	0.10	U
4,4'-DDT	0.0070	0.10	U
Aldrin	0.010	0.10	U
Dieldrin	0.0092	0.10	U
Endosulfan I	0.012	0.10	U
Endosulfan II	0.0094	0.10	U
Endosulfan sulfate	0.0098	0.10	U
Endrin	0.014	0.10	U
Endrin aldehyde	0.011	0.10	U
Heptachlor	0.016	0.10	U
Heptachlor epoxide	0.028	0.10	U
Methoxychlor	0.012	0.50	U
Toxaphene	0.29	1.0	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	87	32 - 135	
Tetrachloro-m-xylene	83	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6449 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): ug/L **File ID:** F:\GTnov07\H111505.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.5	0.51	101	60 - 128	
beta-BHC	0.5	0.54	108	66 - 126	
delta-BHC	0.5	0.42	84	46 - 136	
gamma-BHC	0.5	0.51	103	30 - 146	
alpha-Chlordane	0.5	0.52	104	63 - 123	
gamma-Chlordane	0.5	0.52	104	67 - 120	
4,4´-DDD	0.5	0.50	100	50 - 139	
4,4´-DDE	0.5	0.51	103	48 - 137	
4,4´-DDT	0.5	0.49	99	47 - 138	
Aldrin	0.5	0.50	99	42 - 138	
Dieldrin	0.5	0.52	104	62 - 129	
Endosulfan I	0.5	0.50	101	49 - 120	
Endosulfan II	0.5	0.50	100	42 - 130	
Endosulfan sulfate	0.5	0.48	97	54 - 137	
Endrin	0.5	0.56	111	56 - 134	
Endrin aldehyde	0.5	0.45	90	56 - 137	
Heptachlor	0.5	0.46	93	51 - 128	
Heptachlor epoxide	0.5	0.51	102	62 - 131	
Methoxychlor	0.5	0.58	117	56 - 150	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	32 - 135	
Tetrachloro-m-xylene	94	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6449 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\G111505.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.5	0.53	106	60 - 128	
beta-BHC	0.5	0.49	98	66 - 126	
delta-BHC	0.5	0.41	82	46 - 136	
gamma-BHC	0.5	0.53	106	30 - 146	
alpha-Chlordane	0.5	0.49	98	63 - 123	
gamma-Chlordane	0.5	0.49	98	67 - 120	
4,4´-DDD	0.5	0.50	100	50 - 139	
4,4´-DDE	0.5	0.49	98	48 - 137	
4,4´-DDT	0.5	0.48	96	47 - 138	
Aldrin	0.5	0.47	94	42 - 138	
Dieldrin	0.5	0.51	102	62 - 129	
Endosulfan I	0.5	0.47	94	49 - 120	
Endosulfan II	0.5	0.49	98	42 - 130	
Endosulfan sulfate	0.5	0.47	94	54 - 137	
Endrin	0.5	0.54	108	56 - 134	
Endrin aldehyde	0.5	0.46	92	56 - 137	
Heptachlor	0.5	0.44	88	51 - 128	
Heptachlor epoxide	0.5	0.47	94	62 - 131	
Methoxychlor	0.5	0.53	106	56 - 150	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	32 - 135	
Tetrachloro-m-xylene	87	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS2-6449 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\H111507.rst

Analyte	Expected	Found	%R	Control Limits	Q
Toxaphene	5	4.8	95	41 - 126	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	90	32 - 135	
Tetrachloro-m-xylene	89	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS2-6449 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\G111507.rst

Analyte	Expected	Found	%R	Control Limits	Q
Toxaphene	5	5.5	111	41 - 126	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	32 - 135	
Tetrachloro-m-xylene	83	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6449 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\H111506.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.5	0.53	105	60 - 128	
beta-BHC	0.5	0.56	111	66 - 126	
delta-BHC	0.5	0.44	87	46 - 136	
gamma-BHC	0.5	0.53	107	30 - 146	
alpha-Chlordane	0.5	0.54	108	63 - 123	
gamma-Chlordane	0.5	0.54	108	67 - 120	
4,4´-DDD	0.5	0.52	105	50 - 139	
4,4´-DDE	0.5	0.53	106	48 - 137	
4,4´-DDT	0.5	0.51	103	47 - 138	
Aldrin	0.5	0.50	100	42 - 138	
Dieldrin	0.5	0.54	109	62 - 129	
Endosulfan I	0.5	0.52	105	49 - 120	
Endosulfan II	0.5	0.52	105	42 - 130	
Endosulfan sulfate	0.5	0.50	101	54 - 137	
Endrin	0.5	0.58	116	56 - 134	
Endrin aldehyde	0.5	0.47	94	56 - 137	
Heptachlor	0.5	0.47	95	51 - 128	
Heptachlor epoxide	0.5	0.53	105	62 - 131	
Methoxychlor	0.5	0.60	119	56 - 150	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	32 - 135	
Tetrachloro-m-xylene	92	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6449 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): ug/L **File ID:** F:\GTnov07\G111506.rst

Analyte	Expected	Found	%R	Control Limits	Q
alpha-BHC	0.5	0.56	112	60 - 128	
beta-BHC	0.5	0.51	102	66 - 126	
delta-BHC	0.5	0.43	86	46 - 136	
gamma-BHC	0.5	0.55	110	30 - 146	
alpha-Chlordane	0.5	0.51	102	63 - 123	
gamma-Chlordane	0.5	0.51	102	67 - 120	
4,4´-DDD	0.5	0.52	104	50 - 139	
4,4´-DDE	0.5	0.52	104	48 - 137	
4,4´-DDT	0.5	0.50	100	47 - 138	
Aldrin	0.5	0.47	94	42 - 138	
Dieldrin	0.5	0.53	106	62 - 129	
Endosulfan I	0.5	0.49	98	49 - 120	
Endosulfan II	0.5	0.51	102	42 - 130	
Endosulfan sulfate	0.5	0.49	98	54 - 137	
Endrin	0.5	0.56	112	56 - 134	
Endrin aldehyde	0.5	0.48	96	56 - 137	
Heptachlor	0.5	0.45	90	51 - 128	
Heptachlor epoxide	0.5	0.49	98	62 - 131	
Methoxychlor	0.5	0.55	110	56 - 150	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	32 - 135	
Tetrachloro-m-xylene	87	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD2-6449 **Initial Calibration ID:** 1111

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\H111508.rst

Analyte	Expected	Found	%R	Control Limits	Q
Toxaphene	5	4.9	98	41 - 126	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	89	32 - 135	
Tetrachloro-m-xylene	93	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD2-6449 **Initial Calibration ID:** 1110

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\GTnov07\G111508.rst

Analyte	Expected	Found	%R	Control Limits	Q
Toxaphene	5	5.8	116	41 - 126	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	93	32 - 135	
Tetrachloro-m-xylene	85	33 - 138	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-6449 **MS ID:** LCS-6449 **MSD ID:** LCSD-6449

Calibration ID: 1111

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
alpha-BHC		0.50	0.51	101	0.53	105	4	60 - 128	30	
beta-BHC		0.50	0.54	108	0.56	111	3	66 - 126	30	
delta-BHC		0.50	0.42	84	0.44	87	4	46 - 136	30	
gamma-BHC		0.50	0.51	103	0.53	107	4	30 - 146	30	
alpha-Chlordane		0.50	0.52	104	0.54	108	4	63 - 123	30	
gamma-Chlordane		0.50	0.52	104	0.54	108	4	67 - 120	30	
4,4´-DDD		0.50	0.50	100	0.52	105	4	50 - 139	30	
4,4´-DDE		0.50	0.51	103	0.53	106	3	48 - 137	30	
4,4´-DDT		0.50	0.49	99	0.51	103	4	47 - 138	30	
Aldrin		0.50	0.50	99	0.50	100	1	42 - 138	30	
Dieldrin		0.50	0.52	104	0.54	109	4	62 - 129	30	
Endosulfan I		0.50	0.50	101	0.52	105	4	49 - 120	30	
Endosulfan II		0.50	0.50	100	0.52	105	4	42 - 130	30	
Endosulfan sulfate		0.50	0.48	97	0.50	101	4	54 - 137	30	
Endrin		0.50	0.56	111	0.58	116	4	56 - 134	30	
Endrin aldehyde		0.50	0.45	90	0.47	94	4	56 - 137	30	
Heptachlor		0.50	0.46	93	0.47	95	2	51 - 128	30	
Heptachlor epoxide		0.50	0.51	102	0.53	105	3	62 - 131	30	
Methoxychlor		0.50	0.58	117	0.60	119	2	56 - 150	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-6449 **MS ID:** LCS-6449 **MSD ID:** LCSD-6449

Calibration ID: 1110

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
alpha-BHC		0.50	0.53	106	0.56	112	6	60 - 128	30	
beta-BHC		0.50	0.49	98	0.51	102	4	66 - 126	30	
delta-BHC		0.50	0.41	82	0.43	86	5	46 - 136	30	
gamma-BHC		0.50	0.53	106	0.55	110	4	30 - 146	30	
alpha-Chlordane		0.50	0.49	98	0.51	102	4	63 - 123	30	
gamma-Chlordane		0.50	0.49	98	0.51	102	4	67 - 120	30	
4,4´-DDD		0.50	0.50	100	0.52	104	4	50 - 139	30	
4,4´-DDE		0.50	0.49	98	0.52	104	6	48 - 137	30	
4,4´-DDT		0.50	0.48	96	0.50	100	4	47 - 138	30	
Aldrin		0.50	0.47	94	0.47	94	0	42 - 138	30	
Dieldrin		0.50	0.51	102	0.53	106	4	62 - 129	30	
Endosulfan I		0.50	0.47	94	0.49	98	4	49 - 120	30	
Endosulfan II		0.50	0.49	98	0.51	102	4	42 - 130	30	
Endosulfan sulfate		0.50	0.47	94	0.49	98	4	54 - 137	30	
Endrin		0.50	0.54	108	0.56	112	4	56 - 134	30	
Endrin aldehyde		0.50	0.46	92	0.48	96	4	56 - 137	30	
Heptachlor		0.50	0.44	88	0.45	90	2	51 - 128	30	
Heptachlor epoxide		0.50	0.47	94	0.49	98	4	62 - 131	30	
Methoxychlor		0.50	0.53	106	0.55	110	4	56 - 150	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD2-6449 **MS ID:** LCS2-6449 **MSD ID:** LCSD2-6449

Calibration ID: 1111

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Toxaphene		5.0	4.8	95	4.9	98	3	41 - 126	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD2-6449 **MS ID:** LCS2-6449 **MSD ID:** LCSD2-6449

Calibration ID: 1110

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Toxaphene		5.0	5.5	111	5.8	116	5	41 - 126	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8081A **AAB #:** 6449

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSW0101BB	0710131-001A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22	
TMCSW0101BB	0710131-001A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22	
TMCSW0201BB	0710131-002A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.1	
TMCSW0201BB	0710131-002A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.1	
TMCSW0301BB	0710131-003A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22.1	
TMCSW0301BB	0710131-003A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22.1	
TMCSW0401BB	0710131-004A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.1	
TMCSW0401BB	0710131-004A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.1	
TMCSW0501BB	0710131-005A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.1	
TMCSW0501BB	0710131-005A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.1	
TMCSW0601BB	0710131-006A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22.1	
TMCSW0601BB	0710131-006A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	15-Nov-07	40	22.1	
TMCSW0701BB	0710131-007A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.1	
TMCSW0701BB	0710131-007A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.1	
TMCSW0801BB	0710131-008A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.2	
TMCSW0801BB	0710131-008A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	15-Nov-07	40	22.2	
101807BE	0710131-009A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.2	
101807BE	0710131-009A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	15-Nov-07	40	22.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	07-Nov-07	17:42	07-Nov-07	18:05
PEM	PEM	07-Nov-07	18:05	07-Nov-07	18:28
RESC	RESC	07-Nov-07	18:28	07-Nov-07	18:51
INDAB-1	INDAB-1	07-Nov-07	18:51	07-Nov-07	19:14
INDAB-2	INDAB-2	07-Nov-07	19:14	07-Nov-07	19:37
INDAB-3	INDAB-3	07-Nov-07	19:37	07-Nov-07	20:00
INDAB-4	INDAB-4	07-Nov-07	20:00	07-Nov-07	20:23
INDAB-5	INDAB-5	07-Nov-07	20:23	07-Nov-07	20:46
INDAB-6	INDAB-6	07-Nov-07	20:46	07-Nov-07	21:09
TOX-1	TOX-1	07-Nov-07	21:09	07-Nov-07	21:32
TOX-2	TOX-2	07-Nov-07	21:32	07-Nov-07	21:55
TOX-3	TOX-3	07-Nov-07	21:55	07-Nov-07	22:18
TOX-4	TOX-4	07-Nov-07	22:18	07-Nov-07	22:41
TOX-5	TOX-5	07-Nov-07	22:41	07-Nov-07	23:04
I110707PEST	I110707PEST	08-Nov-07	0:13	08-Nov-07	0:36
I110707TOX	I110707TOX	08-Nov-07	0:36	08-Nov-07	0:59
PIBLK	PIBLK	15-Nov-07	14:19	15-Nov-07	14:42
PEM	PEM	15-Nov-07	14:42	15-Nov-07	15:05
INDAB-3	INDAB-3	15-Nov-07	15:05	15-Nov-07	15:30
MB-6449	MB-6449	15-Nov-07	15:30	15-Nov-07	15:53
LCS-6449	LCS-6449	15-Nov-07	15:53	15-Nov-07	16:16
LCSD-6449	LCSD-6449	15-Nov-07	16:16	15-Nov-07	16:39
LCS2-6449	LCS2-6449	15-Nov-07	16:39	15-Nov-07	17:02
LCSD2-6449	LCSD2-6449	15-Nov-07	17:02	15-Nov-07	17:24
TMCSW0101BB	0710131-001A	15-Nov-07	18:34	15-Nov-07	19:19
PIBLK	PIBLK	15-Nov-07	19:19	15-Nov-07	19:42
INDAB-3	INDAB-3	15-Nov-07	19:42	15-Nov-07	20:05
TMCSW0201BB	0710131-002A	15-Nov-07	20:05	15-Nov-07	20:28
TMCSW0301BB	0710131-003A	15-Nov-07	20:28	15-Nov-07	20:51
TMCSW0401BB	0710131-004A	15-Nov-07	20:51	15-Nov-07	21:14
TMCSW0501BB	0710131-005A	15-Nov-07	21:14	15-Nov-07	21:37
TMCSW0601BB	0710131-006A	15-Nov-07	21:37	15-Nov-07	22:00
TMCSW0701BB	0710131-007A	15-Nov-07	22:00	15-Nov-07	22:23
TMCSW0801BB	0710131-008A	15-Nov-07	22:23	15-Nov-07	22:46
101807BE	0710131-009A	15-Nov-07	22:46	15-Nov-07	23:55
PIBLK	PIBLK	15-Nov-07	23:55	16-Nov-07	0:18
INDAB-3	INDAB-3	16-Nov-07	0:18	16-Nov-07	5:39
PIBLK	PIBLK	16-Nov-07	5:39	16-Nov-07	6:02
TOX-3	TOX-3	16-Nov-07	6:25	16-Nov-07	6:25

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	07-Nov-07	17:42	07-Nov-07	18:05
PEM	PEM	07-Nov-07	18:05	07-Nov-07	18:28
RESC	RESC	07-Nov-07	18:28	07-Nov-07	18:51
INDAB-1	INDAB-1	07-Nov-07	18:51	07-Nov-07	19:14
INDAB-2	INDAB-2	07-Nov-07	19:14	07-Nov-07	19:37
INDAB-3	INDAB-3	07-Nov-07	19:37	07-Nov-07	20:00
INDAB-4	INDAB-4	07-Nov-07	20:00	07-Nov-07	20:23
INDAB-5	INDAB-5	07-Nov-07	20:23	07-Nov-07	20:46
INDAB-6	INDAB-6	07-Nov-07	20:46	07-Nov-07	21:09
TOX-1	TOX-1	07-Nov-07	21:09	07-Nov-07	21:32
TOX-2	TOX-2	07-Nov-07	21:32	07-Nov-07	21:55
TOX-3	TOX-3	07-Nov-07	21:55	07-Nov-07	22:18
TOX-4	TOX-4	07-Nov-07	22:18	07-Nov-07	22:41
TOX-5	TOX-5	07-Nov-07	22:41	07-Nov-07	23:04
I110707PEST	I110707PEST	08-Nov-07	0:13	08-Nov-07	0:36
I110707TOX	I110707TOX	08-Nov-07	0:36	08-Nov-07	0:59
PIBLK	PIBLK	15-Nov-07	14:19	15-Nov-07	14:42
PEM	PEM	15-Nov-07	14:42	15-Nov-07	15:05
INDAB-3	INDAB-3	15-Nov-07	15:05	15-Nov-07	15:30
MB-6449	MB-6449	15-Nov-07	15:30	15-Nov-07	15:53
LCS-6449	LCS-6449	15-Nov-07	15:53	15-Nov-07	16:16
LCSD-6449	LCSD-6449	15-Nov-07	16:16	15-Nov-07	16:39
LCS2-6449	LCS2-6449	15-Nov-07	16:39	15-Nov-07	17:02
LCSD2-6449	LCSD2-6449	15-Nov-07	17:02	15-Nov-07	17:24
TMCSW0101BB	0710131-001A	15-Nov-07	18:34	15-Nov-07	19:19
PIBLK	PIBLK	15-Nov-07	19:19	15-Nov-07	19:42
INDAB-3	INDAB-3	15-Nov-07	19:42	15-Nov-07	20:05
TMCSW0201BB	0710131-002A	15-Nov-07	20:05	15-Nov-07	20:28
TMCSW0301BB	0710131-003A	15-Nov-07	20:28	15-Nov-07	20:51
TMCSW0401BB	0710131-004A	15-Nov-07	20:51	15-Nov-07	21:14
TMCSW0501BB	0710131-005A	15-Nov-07	21:14	15-Nov-07	21:37
TMCSW0601BB	0710131-006A	15-Nov-07	21:37	15-Nov-07	22:00
TMCSW0701BB	0710131-007A	15-Nov-07	22:00	15-Nov-07	22:23
TMCSW0801BB	0710131-008A	15-Nov-07	22:23	15-Nov-07	22:46
101807BE	0710131-009A	15-Nov-07	22:46	15-Nov-07	23:55
PIBLK	PIBLK	15-Nov-07	23:55	16-Nov-07	0:18
INDAB-3	INDAB-3	16-Nov-07	0:18	16-Nov-07	5:39
PIBLK	PIBLK	16-Nov-07	5:39	16-Nov-07	6:02
TOX-3	TOX-3	16-Nov-07	6:25	16-Nov-07	6:25

Comments:

PCB Data

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	SW8082	**AAB #:**	11850
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90 20D	**Date of Initial Calibration:**	29-Jun-07
Initial Calibration ID:	1112	**Concentration Units:**	ug/mL

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

bochrom Method File F:\Methods\d60062907.mth
rinted by : manager on: 7/2/07 12:36:31
reated by : manager on: 7/2/07 10:17:18
dited by : manager on: 7/2/07 12:36:23
umber of Times Edited : 3
umber of Times Calibrated : 60
escription: AR1016/AR1260 - CHANNEL D

lobal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
oid Time : 0.000 min
orrect amounts during calibration : No
onvert unknowns to concentration units : Yes
eject outliers during calibration : No

n External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
irst peak will be relative retention reference

omponent Information

1016-1
omponent Type : Single Peak Component
etention Time : 6.925 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	11905.13	2144.23	----------	----------	1
	0.1000	24569.91	4293.95	----------	----------	1
	0.2000	44542.66	8156.71	----------	----------	1
	0.3000	72807.59	12774.61	----------	----------	1
	0.5000	116474.06	20641.66	----------	----------	1

verage Calibration Factor = 236431.032022 (%RSD = 3.83)

1016-2
omponent Type : Single Peak Component
etention Time : 7.990 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	226007.27	45243.70	----------	----------	1
	0.3000	143725.25	28737.36	----------	----------	1
	0.2000	96309.62	19252.51	----------	----------	1
	0.1000	51437.42	10286.53	----------	----------	1
	0.0500	26873.75	5375.65	----------	----------	1

verage Calibration Factor = 492899.216897 (%RSD = 6.76)

1016-3
omponent Type : Single Peak Component
etention Time : 9.313 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

'07 12:36:31 Method: F:\Methods\d60062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	36647.57	6092.38	----------	----------	1
	0.1000	72871.00	12357.37	----------	----------	1
	0.2000	143369.41	24916.04	----------	----------	1
	0.3000	223355.40	39165.26	----------	----------	1
	0.5000	367536.45	66632.11	----------	----------	1

verage Calibration Factor = 731619.842927 (%RSD = 1.38)

1016-4
omponent Type : Single Peak Component
etention Time : 9.681 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	19153.99	2772.41	----------	----------	1
	0.1000	36975.23	5520.18	----------	----------	1
	0.2000	71933.81	10840.54	----------	----------	1
	0.3000	108929.66	16838.52	----------	----------	1
	0.5000	176760.97	27704.38	----------	----------	1

verage Calibration Factor = 365824.364410 (%RSD = 3.09)

1016-5
omponent Type : Single Peak Component
etention Time : 10.982 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	19313.53	3100.70	----------	----------	1
	0.1000	37286.99	6151.58	----------	----------	1
	0.2000	71373.87	11796.37	----------	----------	1
	0.3000	117978.35	18654.56	----------	----------	1
	0.5000	193756.27	30632.70	----------	----------	1

verage Calibration Factor = 379356.732415 (%RSD = 3.85)

1260-1
omponent Type : Single Peak Component
etention Time : 13.924 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

07 12:36:31 Method: F:\Methods\d60062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

vel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	18306.70	3353.52	----------	----------	1
	0.1000	34711.36	6675.25	----------	----------	1
	0.2000	66033.69	12746.18	----------	----------	1
	0.3000	103213.76	20234.04	----------	----------	1
	0.5000	166494.65	32648.42	----------	----------	1

verage Calibration Factor = 344090.237855 (%RSD = 4.14)

1260-2
omponent Type : Single Peak Component
etention Time : 14.341 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

vel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	33020.64	6195.38	----------	----------	1
	0.1000	65138.11	12152.67	----------	----------	1
	0.2000	122128.76	22880.63	----------	----------	1
	0.3000	189763.28	35686.40	----------	----------	1
	0.5000	301363.95	56295.81	----------	----------	1

verage Calibration Factor = 631541.956084 (%RSD = 3.95)

1260-3
omponent Type : Single Peak Component
etention Time : 15.003 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

vel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	36864.42	6478.83	----------	----------	1
	0.1000	72057.96	13030.94	----------	----------	1
	0.2000	139555.99	24594.46	----------	----------	1
	0.3000	218528.19	38583.60	----------	----------	1
	0.5000	351308.46	62420.26	----------	----------	1

verage Calibration Factor = 717338.430449 (%RSD = 2.34)

1260-4
omponent Type : Single Peak Component
etention Time : 16.965 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

'07 12:36:31 Method: F:\Methods\d60062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	28455.49	5505.32	----------	----------	1
	0.1000	56398.23	10998.72	----------	----------	1
	0.2000	108586.39	21264.15	----------	----------	1
	0.3000	172502.50	33734.97	----------	----------	1
	0.5000	285823.02	56005.47	----------	----------	1

verage Calibration Factor = 564535.683834 (%RSD = 2.25)

1260-5
omponent Type : Single Peak Component
etention Time : 18.755 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0500	47252.60	6410.73	----------	----------	1
	0.1000	94609.75	12862.05	----------	----------	1
	0.2000	179513.77	25257.35	----------	----------	1
	0.3000	288481.34	41038.83	----------	----------	1
	0.5000	479434.53	69114.36	----------	----------	1

verage Calibration Factor = 941838.357825 (%RSD = 2.74)

ibration Replicate Lists
omponent : AR1016-1
Level : 5

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
05.13	2144.23	0.0500	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062906.rst

evel : 4

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
69.91	4293.95	0.1000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062905.rst

evel : 3

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
42.66	8156.71	0.2000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062904.rst

evel : 2

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
07.59	12774.61	0.3000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062903.rst

evel : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
474.06	20641.66	0.5000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062902.rst

mponent : AR1016-2
evel : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
007.27	45243.70	0.5000	----------	----------	7/2/07	12:36:07	G:\TcData\90jun07\D062902.rst

evel : 2

bochrom Method File F:\Methods\d21062907.mth
rinted by : manager on: 7/2/07 12:37:48
reated by : manager on: 7/2/07 10:17:32
dited by : manager on: 7/2/07 12:37:46
umber of Times Edited : 3
umber of Times Calibrated : 52
escription: AR1221- CHANNEL D

lobal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
oid Time : 0.000 min
orrect amounts during calibration : No
onvert unknowns to concentration units : Yes
eject outliers during calibration : No

n External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
irst peak will be relative retention reference

omponent Information

1221-1
omponent Type : Single Peak Component
etention Time : 4.381 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	54531.47	10164.02	----------	----------	1
	0.3000	35013.95	6587.98	----------	----------	1
	0.2000	23832.97	4298.24	----------	----------	1
	0.1000	12337.12	2322.55	----------	----------	1
	0.0500	6179.75	1165.04	----------	----------	1

verage Calibration Factor = 118381.418747 (%RSD = 5.04)

1221-2
omponent Type : Single Peak Component
etention Time : 6.321 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	47655.36	9859.50	----------	----------	1
	0.3000	33903.73	6296.74	----------	----------	1
	0.2000	21116.08	3902.05	----------	----------	1
	0.1000	10891.11	2100.16	----------	----------	1
	0.0500	5533.81	1063.88	----------	----------	1

verage Calibration Factor = 106698.178055 (%RSD = 6.49)

1221-3
omponent Type : Single Peak Component
etention Time : 6.751 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

'07 12:37:48 Method: F:\Methods\d21062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	40305.56	8387.64	----------	----------	1
	0.3000	25767.85	5239.84	----------	----------	1
	0.2000	16956.31	3324.44	----------	----------	1
	0.1000	8384.35	1697.05	----------	----------	1
	0.0500	4217.87	848.31	----------	----------	1

verage Calibration Factor = 83897.287412 (%RSD = 2.37)

1221-4
omponent Type : Single Peak Component
etention Time : 6.924 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	155572.20	27974.10	----------	----------	1
	0.3000	100302.69	17676.35	----------	----------	1
	0.2000	62757.23	11226.57	----------	----------	1
	0.1000	33188.54	5917.50	----------	----------	1
	0.0500	16837.18	2936.66	----------	----------	1

verage Calibration Factor = 325580.384471 (%RSD = 3.73)

ibration Replicate Lists
omponent : AR1221-1
Level : 1

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
31.47	10164.02	0.5000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062907.rst

evel : 2

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13.95	6587.98	0.3000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062908.rst

evel : 3

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
32.97	4298.24	0.2000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062909.rst

evel : 4

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
37.12	2322.55	0.1000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062910.rst

evel : 5

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
9.75	1165.04	0.0500	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062911.rst

mponent : AR1221-2
evel : 1

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
55.36	9859.50	0.5000	----------	----------	7/2/07	12:37:40	G:\TcData\90jun07\D062907.rst

evel : 2

bochrom Method File F:\Methods\d32062907.mth
rinted by : manager on: 7/2/07 12:39:59
reated by : manager on: 7/2/07 10:17:48
dited by : manager on: 7/2/07 12:39:57
umber of Times Edited : 4
umber of Times Calibrated : 61
escription: AR1232 - CHANNEL D

lobal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
oid Time : 0.000 min
orrect amounts during calibration : Yes
onvert unknowns to concentration units : Yes
ject outliers during calibration : No

n External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
irst peak will be relative retention reference

omponent Information

1232-1
omponent Type : Single Peak Component
etention Time : 6.924 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	136255.70	24139.44	----------	----------	1
	0.3000	86662.58	15078.63	----------	----------	1
	0.2000	59393.82	10356.23	----------	----------	1
	0.1000	28729.63	5069.14	----------	----------	1
	0.0500	14138.09	2540.88	----------	----------	1

verage Calibration Factor = 285682.757656 (%RSD = 3.14)

1232-2
omponent Type : Single Peak Component
etention Time : 7.991 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	95953.01	18948.43	----------	----------	1
	0.3000	60562.40	12069.85	----------	----------	1
	0.2000	42402.62	8394.65	----------	----------	1
	0.1000	21194.07	4191.61	----------	----------	1
	0.0500	10669.69	2169.58	----------	----------	1

verage Calibration Factor = 206225.662746 (%RSD = 4.48)

1232-3
omponent Type : Single Peak Component
etention Time : 9.315 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

07 12:39:59 Method: F:\Methods\d32062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	139923.10	24284.74	----------	----------	1
	0.3000	86176.32	14585.59	----------	----------	1
	0.2000	58114.65	9754.41	----------	----------	1
	0.1000	28413.21	4620.99	----------	----------	1
	0.0500	14095.30	2271.10	----------	----------	1

verage Calibration Factor = 284742.384417 (%RSD = 1.50)

1232-4
omponent Type : Single Peak Component
etention Time : 11.248 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
alibrating Area versus Amount using a 1st Order Fit
urve will ignore the origin
mounts will not be scaled prior to the regression
/eighting factor for the regression: 1
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	59694.96	8934.43	----------	----------	1
	0.3000	36410.49	5477.87	----------	----------	1
	0.2000	25083.51	3733.42	----------	----------	1
	0.1000	11885.62	1804.40	----------	----------	1
	0.0500	4729.05	830.18	----------	----------	1

alibration Curve : y = (-322.296715) + (121230.532109)x + (0.000000)x^2 + (0.000000)x^3
-squared : 0.998481

1232-5
omponent Type : Single Peak Component
etention Time : 12.845 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
alibrating Area versus Amount using a 1st Order Fit
urve will ignore the origin
mounts will not be scaled prior to the regression
/eighting factor for the regression: 1
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	62875.85	6456.88	----------	----------	1
	0.3000	37706.11	3924.54	----------	----------	1
	0.2000	26103.12	2679.06	----------	----------	1
	0.1000	11733.36	1247.12	----------	----------	1
	0.0500	4399.85	575.12	----------	----------	1

alibration Curve : y = (-1112.637217) + (129027.365017)x + (0.000000)x^2 + (0.000000)x^3
-squared : 0.998519

libration Replicate Lists
omponent : AR1232-1
Level : 1

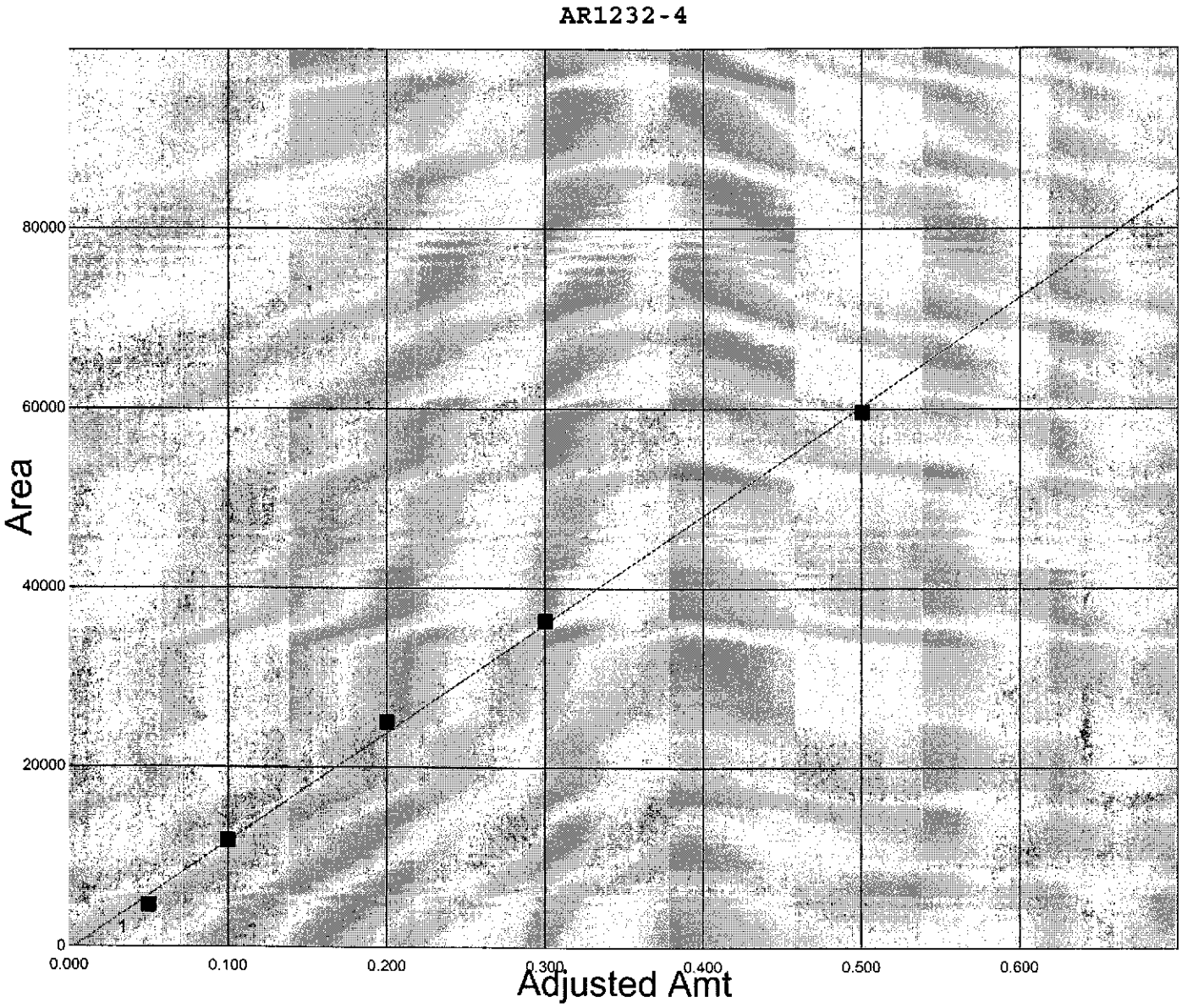
Analysis Output For Method File: F:\METHODS\D32062907.MTH
mponent Name : AR1232-4
e : 7/2/07 12:40:12

ve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998481
Calibration Curve : Y = (-322.296715) +(121230.532109) X

ve #1 :

evel lame	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.041667	0.008333	19.998	4729.045890	5739.230	-1010.184	-17.601
	0.100000	0.100700	-7.000e-04	-0.695	11885.623056	11800.756	84.867	0.719
	0.200000	0.209566	-0.009566	-4.565	25083.512745	23923.810	1159.703	4.847
	0.300000	0.302999	-0.002999	-0.990	36410.489242	36046.863	363.626	1.009
	0.500000	0.495067	0.004933	0.996	59694.957417	60292.969	-598.012	-0.992



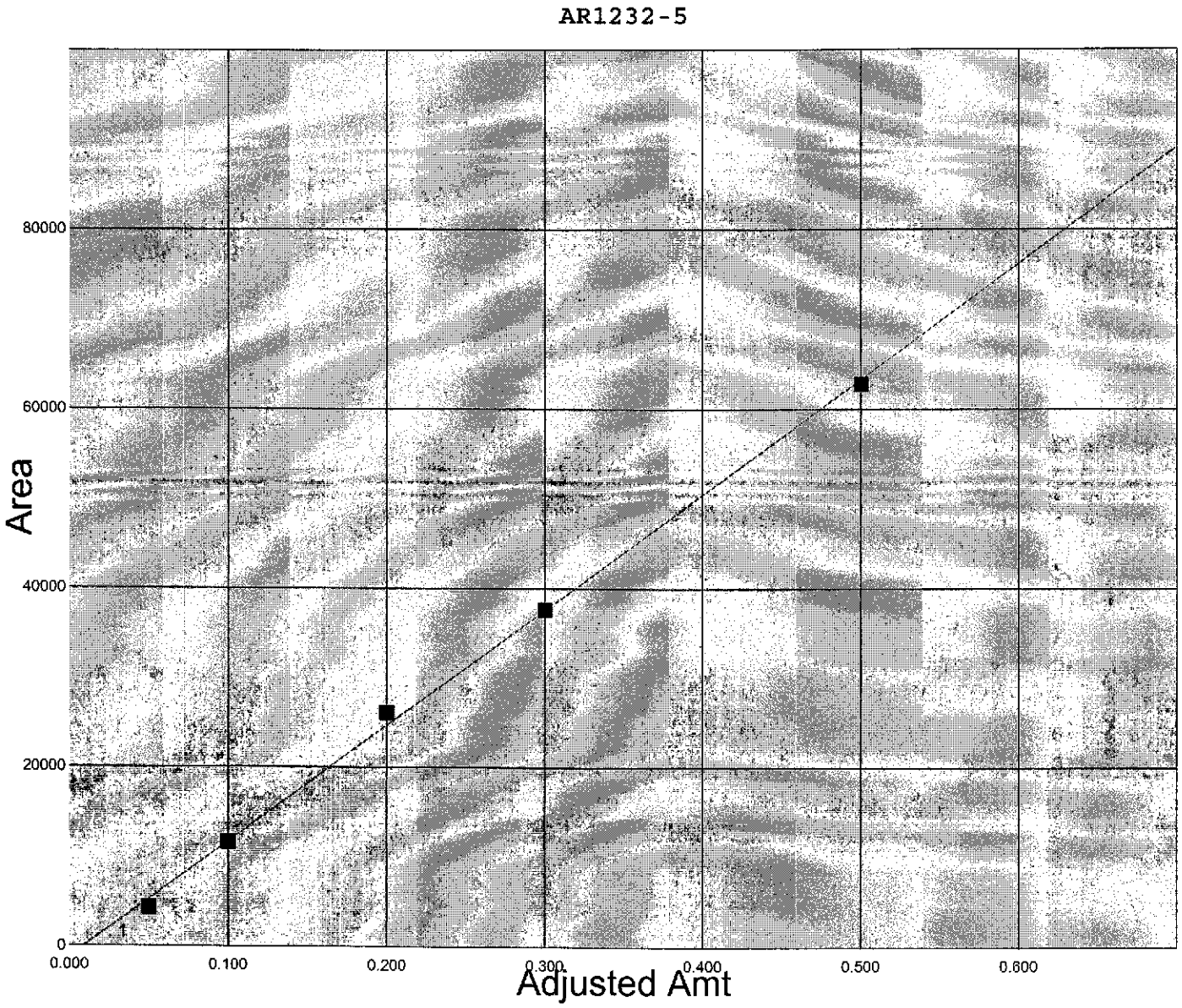
Analysis Output For Method File: F:\METHODS\D32062907.MTH
nponent Name : AR1232-5
e : 7/2/07 12:40:16

ve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.998519
Calibration Curve : Y = (-1112.637217) +(129027.365017) X

ve #1 :

evel ame	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
	0.050000	0.042723	0.007277	17.032	4399.847660	5338.731	-938.883	-17.586
	0.100000	0.099560	0.000440	0.442	11733.362340	11790.099	-56.737	-0.481
	0.200000	0.210930	-0.010930	-5.182	26103.118416	24692.836	1410.283	5.711
	0.300000	0.300857	-8.567e-04	-0.285	37706.109826	37595.572	110.538	0.294
	0.500000	0.495930	0.004070	0.821	62875.845443	63401.045	-525.200	-0.828



ɔochrom Method File E:\Methods\d42062907.mth
'inted by : manager on: 07/03/07 16:19:28
'eated by : manager on: 07/02/07 10:18:04
dited by : manager on: 07/03/07 16:19:25
ɹmber of Times Edited : 5
ɹmber of Times Calibrated : 43
escription: AR1242 - CHANNEL D

.obal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
ɔid Time : 0.000 min
ɔrrect amounts during calibration : Yes
ɔnvert unknowns to concentration units : Yes
ject outliers during calibration : No

ı External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
rst peak will be relative retention reference

ɔmponent Information

1242-1
ɔmponent Type : Single Peak Component
etention Time : 6.924 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level
evel Name | Amount | Area | Height | ISTD Amt. | ISTD Resp. | # Replicates

	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	88683.50	15437.73			1
	0.3000	55248.73	9474.49			1
	0.2000	34879.81	5875.57			1
	0.1000	17501.13	3186.43			1
	0.0500	9128.89	1632.97			1

verage Calibration Factor = 178703.495583 (%RSD = 2.48)

1242-2
omponent Type : Single Peak Component
etention Time : 7.989 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level
evel Name | Amount | Area | Height | ISTD Amt. | ISTD Resp. | # Replicates

	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	175939.70	35103.17			1
	0.3000	111367.18	22361.45			1
	0.2000	71795.62	14362.29			1
	0.1000	40128.31	8057.57			1
	0.0500	21471.76	4277.81			1

verage Calibration Factor = 382559.967468 (%RSD = 8.44)

1242-3
omponent Type : Single Peak Component
etention Time : 9.312 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

)3/07 16:19:28 Method: E:\Methods\d42062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	276896.71	49213.01	----------	----------	1
	0.3000	166124.72	28931.76	----------	----------	1
	0.2000	103292.61	17443.42	----------	----------	1
	0.1000	55060.92	9283.38	----------	----------	1
	0.0500	28969.57	4703.72	----------	----------	1

verage Calibration Factor = 550801.246320 (%RSD = 4.07)

1242-4
omponent Type : Single Peak Component
etention Time : 10.980 min
earch Window : 1.04 s, 0.00 %
eference Component :
nd peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	152685.02	24146.59	----------	----------	1
	0.3000	92266.94	14633.62	----------	----------	1
	0.2000	58531.23	9173.68	----------	----------	1
	0.1000	32500.36	5008.18	----------	----------	1
	0.0500	16209.77	2567.02	----------	----------	1

verage Calibration Factor = 310956.311769 (%RSD = 4.40)

1242-5
omponent Type : Single Peak Component
etention Time : 13.923 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	60509.14	9196.50	----------	----------	1
	0.3000	33925.60	5371.93	----------	----------	1
	0.2000	22913.54	3337.53	----------	----------	1
	0.1000	14217.78	2019.76	----------	----------	1
	0.0500	6352.93	928.85	----------	----------	1

verage Calibration Factor = 123581.527689 (%RSD = 9.54)

ibration Replicate Lists
omponent : AR1242-1
Level : 1

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
83.50	15437.73	0.5000	----------	---------	07/03/07	16:19:20	E:\90jun07\D062917.rst

evel : 2

bochrom Method File F:\Methods\d48062907.mth
rinted by : manager on: 7/2/07 12:48:04
reated by : manager on: 7/2/07 10:18:20
dited by : manager on: 7/2/07 12:48:02
lumber of Times Edited : 4
lumber of Times Calibrated : 46
escription: AR1248 - CHANNEL D

lobal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
old Time : 0.000 min
orrect amounts during calibration : Yes
onvert unknowns to concentration units : Yes
eject outliers during calibration : No

n External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
irst peak will be relative retention reference

omponent Information

1248-1
omponent Type : Single Peak Component
etention Time : 7.990 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	98449.58	19925.24	----------	----------	1
	0.3000	63621.26	12426.02	----------	----------	1
	0.2000	42887.15	8172.65	----------	----------	1
	0.1000	22532.10	4441.85	----------	----------	1
	0.0500	11901.78	2334.86	----------	----------	1

verage Calibration Factor = 217352.472201 (%RSD = 7.08)

1248-2
omponent Type : Single Peak Component
etention Time : 9.312 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	185246.94	32383.36	----------	----------	1
	0.3000	111655.93	19141.81	----------	----------	1
	0.2000	75423.50	11780.30	----------	----------	1
	0.1000	37366.25	6100.62	----------	----------	1
	0.0500	19089.59	3067.42	----------	----------	1

verage Calibration Factor = 375050.415365 (%RSD = 1.20)

1248-3
omponent Type : Single Peak Component
etention Time : 10.979 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

'07 12:48:04 Method: F:\Methods\d48062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	235474.88	38934.10	----------	----------	1
	0.3000	143684.49	23724.03	----------	----------	1
	0.2000	96099.91	15227.31	----------	----------	1
	0.1000	49420.73	8071.38	----------	----------	1
	0.0500	26196.77	4200.97	----------	----------	1

verage Calibration Factor = 489708.040699 (%RSD = 4.26)

1248-4
omponent Type : Single Peak Component
etention Time : 11.245 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	197615.45	31258.58	----------	----------	1
	0.3000	118751.56	18940.55	----------	----------	1
	0.2000	78651.07	11827.02	----------	----------	1
	0.1000	36653.79	6055.42	----------	----------	1
	0.0500	18996.13	3089.88	----------	----------	1

verage Calibration Factor = 386157.055778 (%RSD = 3.30)

1248-5
omponent Type : Single Peak Component
etention Time : 13.922 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	120465.97	19951.13	----------	----------	1
	0.3000	71584.80	11915.25	----------	----------	1
	0.2000	46508.55	7361.58	----------	----------	1
	0.1000	22184.04	3796.81	----------	----------	1
	0.0500	9792.54	1835.43	----------	----------	1

verage Calibration Factor = 225956.378551 (%RSD = 8.13)

ibration Replicate Lists
omponent : AR1248-1
Level : 1

rea	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
49.58	19925.24	0.5000	---------	---------	7/2/07	12:47:53	G:\TcData\90jun07\D062922.rst

evel : 2

bochrom Method File F:\Methods\d54062907.mth
rinted by : manager on: 7/2/07 12:57:31
reated by : manager on: 7/2/07 10:18:36
dited by : manager on: 7/2/07 12:57:30
umber of Times Edited : 3
umber of Times Calibrated : 52
escription: AR1254 - CHANNEL D

lobal Sample Information

efault Sample Volume : 1.000 uL
uantitation Units : ng
oid Time : 0.000 min
orrect amounts during calibration : Yes
onvert unknowns to concentration units : Yes
eject outliers during calibration : No

n External Standard calibration will be used
nknown peaks will use the response factor of the nearest component
irst peak will be relative retention reference

omponent Information

1254-1
omponent Type : Single Peak Component
etention Time : 10.257 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	152382.54	23219.26	----------	----------	1
	0.3000	95993.02	14718.96	----------	----------	1
	0.2000	62623.09	9490.47	----------	----------	1
	0.1000	35365.84	5446.36	----------	----------	1
	0.0500	16481.26	2597.37	----------	----------	1

verage Calibration Factor = 324228.177330 (%RSD = 5.80)

1254-2
omponent Type : Single Peak Component
etention Time : 12.106 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	315909.95	44772.71	----------	----------	1
	0.3000	197500.23	27786.01	----------	----------	1
	0.2000	127146.91	17815.59	----------	----------	1
	0.1000	72308.98	10147.18	----------	----------	1
	0.0500	36060.48	4897.58	----------	----------	1

verage Calibration Factor = 674037.566137 (%RSD = 6.69)

1254-3
omponent Type : Single Peak Component
etention Time : 12.640 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

'07 12:57:31 Method: F:\Methods\d54062907.mth

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	338995.95	45713.83	----------	----------	1
	0.3000	213188.10	29258.51	----------	----------	1
	0.2000	137062.38	18684.09	----------	----------	1
	0.1000	77490.13	10582.00	----------	----------	1
	0.0500	37977.86	5070.29	----------	----------	1

verage Calibration Factor = 721677.874960 (%RSD = 6.05)

1254-4
omponent Type : Single Peak Component
etention Time : 15.003 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	198288.73	33318.92	----------	----------	1
	0.3000	126518.84	20614.30	----------	----------	1
	0.2000	80653.56	13050.95	----------	----------	1
	0.1000	42969.56	7281.48	----------	----------	1
	0.0500	24707.91	3873.84	----------	----------	1

verage Calibration Factor = 429077.706246 (%RSD = 9.04)

1254-5
omponent Type : Single Peak Component
etention Time : 16.979 min
earch Window : 1.04 s, 0.00 %
eference Component :
ind peak closest to expected RT in window
se Average Calibration Factor (Area / Amount)
omponent standard purity percentage : 100.0000%

ser Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

alibration Level

evel Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.5000	98300.75	18072.41	----------	----------	1
	0.3000	59345.09	10867.23	----------	----------	1
	0.2000	36671.77	6663.03	----------	----------	1
	0.1000	20334.94	3643.25	----------	----------	1
	0.0500	10314.30	1760.77	----------	----------	1

verage Calibration Factor = 197482.544595 (%RSD = 4.47)

ibration Replicate Lists
omponent : AR1254-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2382.54	23219.26	0.5000	----------	----------	7/2/07	12:57:19	G:\TcData\90jun07\D062927.rst

evel : 2

rbochrom Method File F:\Methods\dSURR062907.mth
Printed by : manager on: 7/3/07 09:31:07
Created by : manager on: 7/2/07 10:19:30
Edited by : manager on: 7/3/07 09:31:03
Number of Times Edited : 2
Number of Times Calibrated : 49
Description: surr - CHANNEL D

lobal Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

omponent Information

,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 5.308 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0800	652573.57	151038.65	----------	----------	1
	0.0400	318101.61	74981.43	----------	----------	1
	0.0200	148186.79	34676.59	----------	----------	1
	0.0100	72043.42	16486.86	----------	----------	1
	0.0050	36277.79	8088.15	----------	----------	1
	0.0024	16961.77	3708.32	----------	----------	1

Average Calibration Factor = 7.507742e+06 (%RSD = 5.89)

CACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 21.957 min
Search Window : 3.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
	0.0800	1014501.98	139441.63	----------	----------	1
	0.0400	525665.47	71633.03	----------	----------	1
	0.0200	267274.07	36217.33	----------	----------	1
	0.0100	136034.49	18574.97	----------	----------	1
	0.0050	70063.54	9799.90	----------	----------	1
	0.0024	33308.45	4758.01	----------	----------	1

Average Calibration Factor = 1.344688e+07 (%RSD = 3.67)

libration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2573.57	151038.65	0.0800	----------	----------	7/3/07	09:30:57	G:\TcData\90jun07\D062942.rst

Level : 2

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290721	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1221	200	191	4.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290732	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1232	200	195	2.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290742	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1242	200	193	3.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290748	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1248	200	184	8.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290754	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1254	200	187	6.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	R11850
Lab Name:	Life Science Laboratories, Inc	**Contract Number:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112
Second Source ID:	I06290760	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Aroclor 1016	200	192	4.1	
Aroclor 1260	200	193	3.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	SW8082	**AAB #:**	11741
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GC90_20D	**Initial Calibration ID:**	1112

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-90 SEQUENCE: 90103007.SEQ COLUMN: DB-1701

		Name:	AR1660-3	Name:	AR1660-3	Name:	AR1660-3	Name:	AR1660-3
		File:	D103002	File:	D103014	File:	D103025	File:	D103034
		Date:	10/30/07	Date:	10/30/07	Date:	10/31/07	Date:	10/31/07
		Time	16:51	Time	23:01	Time	04:40	Time	09:17
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.193	4	0.194	3	0.198	1	0.193	4
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20	0.190	5	0.191	4	0.195	3	0.191	5
AR1268	0.20								
Hexachlorobenzene	0.10								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20								
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20								
AR1268	0.20								
Hexachlorobenzene	0.10								

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8082	**AAB #:**	6450
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-6450
Initial Calibration ID:	1112	**File ID:**	F:\90oct07\D103006.rst

Analyte	Method Blank	RL	Q
Aroclor 1016	0.0147	0.500	U
Aroclor 1221	0.110	0.500	U
Aroclor 1232	0.0617	0.500	U
Aroclor 1242	0.0820	0.500	U
Aroclor 1248	0.128	0.500	U
Aroclor 1254	0.140	0.500	U
Aroclor 1260	0.0163	0.500	U

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-6450 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\90oct07\D103007.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	2	2.08	104	50 - 135	
Aroclor 1260	2	2.25	113	50 - 135	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	92	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-6450 **Initial Calibration ID:** 1112

Concentration Units (mg/L or mg/kg): µg/L **File ID:** F:\90oct07\D103008.rst

Analyte	Expected	Found	%R	Control Limits	Q
Aroclor 1016	2	2.01	100	50 - 135	
Aroclor 1260	2	2.26	113	50 - 135	

Surrogate	Recovery	Control Limits	Qualifier
Decachlorobiphenyl	91	42 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-6450 **MS ID:** LCS-6450 **MSD ID:** LCSD-6450

Calibration ID: 1112

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Aroclor 1016		2.00	2.08	104	2.01	100	4	50 - 135	30	
Aroclor 1260		2.00	2.25	113	2.26	113	0	50 - 135	30	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8082 **AAB #:** 6450

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
TMCSW0101BB	0710131-001A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	31-Oct-07	40	6.3	
TMCSW0201BB	0710131-002A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	31-Oct-07	40	6.3	
TMCSW0301BB	0710131-003A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	31-Oct-07	40	6.3	
TMCSW0401BB	0710131-004A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	31-Oct-07	40	6.4	
TMCSW0501BB	0710131-005A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	31-Oct-07	40	6.4	
TMCSW0601BB	0710131-006A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.3	31-Oct-07	40	6.5	
TMCSW0701BB	0710131-007A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	31-Oct-07	40	6.5	
TMCSW0801BB	0710131-008A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.2	31-Oct-07	40	6.5	
101807BE	0710131-009A	18-Oct-07	19-Oct-07	24-Oct-07	7	6.4	31-Oct-07	40	6.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
PIBLK	PIBLK	29-Jun-07	17:12	29-Jun-07	17:42
AR1660-1	AR1660-1	29-Jun-07	17:42	29-Jun-07	18:13
AR1660-2	AR1660-2	29-Jun-07	18:13	29-Jun-07	18:44
AR1660-3	AR1660-3	29-Jun-07	18:44	29-Jun-07	19:15
AR1660-4	AR1660-4	29-Jun-07	19:15	29-Jun-07	19:46
AR1660-5	AR1660-5	29-Jun-07	19:46	29-Jun-07	20:17
AR1221-1	AR1221-1	29-Jun-07	20:17	29-Jun-07	20:48
AR1221-2	AR1221-2	29-Jun-07	20:48	29-Jun-07	21:19
AR1221-3	AR1221-3	29-Jun-07	21:19	29-Jun-07	21:50
AR1221-4	AR1221-4	29-Jun-07	21:50	29-Jun-07	22:21
AR1221-5	AR1221-5	29-Jun-07	22:21	29-Jun-07	22:51
AR1232-1	AR1232-1	29-Jun-07	22:51	29-Jun-07	23:22
AR1232-2	AR1232-2	29-Jun-07	23:22	29-Jun-07	23:53
AR1232-3	AR1232-3	29-Jun-07	23:53	30-Jun-07	0:24
AR1232-4	AR1232-4	30-Jun-07	0:24	30-Jun-07	0:55
AR1232-5	AR1232-5	30-Jun-07	0:55	30-Jun-07	1:26
AR1242-1	AR1242-1	30-Jun-07	1:26	30-Jun-07	1:56
AR1242-2	AR1242-2	30-Jun-07	1:56	30-Jun-07	2:27
AR1242-3	AR1242-3	30-Jun-07	2:27	30-Jun-07	2:58
AR1242-4	AR1242-4	30-Jun-07	2:58	30-Jun-07	3:29
AR1242-5	AR1242-5	30-Jun-07	3:29	30-Jun-07	4:00
AR1248-1	AR1248-1	30-Jun-07	4:00	30-Jun-07	4:31
AR1248-2	AR1248-2	30-Jun-07	4:31	30-Jun-07	5:01
AR1248-3	AR1248-3	30-Jun-07	5:01	30-Jun-07	5:32
AR1248-4	AR1248-4	30-Jun-07	5:32	30-Jun-07	6:03
AR1248-5	AR1248-5	30-Jun-07	6:03	30-Jun-07	6:34
AR1254-1	AR1254-1	30-Jun-07	6:34	30-Jun-07	7:04
AR1254-2	AR1254-2	30-Jun-07	7:04	30-Jun-07	7:35
AR1254-3	AR1254-3	30-Jun-07	7:35	30-Jun-07	8:06
AR1254-4	AR1254-4	30-Jun-07	8:06	30-Jun-07	8:37
AR1254-5	AR1254-5	30-Jun-07	8:37	30-Jun-07	9:08
AR1262-1	AR1262-1	30-Jun-07	9:08	30-Jun-07	9:38
AR1262-2	AR1262-2	30-Jun-07	9:38	30-Jun-07	10:09
AR1262-3	AR1262-3	30-Jun-07	10:09	30-Jun-07	10:40
AR1262-4	AR1262-4	30-Jun-07	10:40	30-Jun-07	11:11
AR1262-5	AR1262-5	30-Jun-07	11:11	30-Jun-07	11:42
AR1268-1	AR1268-1	30-Jun-07	11:42	30-Jun-07	12:12
AR1268-2	AR1268-2	30-Jun-07	12:12	30-Jun-07	12:43
AR1268-3	AR1268-3	30-Jun-07	12:43	30-Jun-07	13:14
AR1268-4	AR1268-4	30-Jun-07	13:14	30-Jun-07	13:45
AR1268-5	AR1268-5	30-Jun-07	13:45	02-Jul-07	15:09
INDAB-1	INDAB-1	02-Jul-07	15:09	02-Jul-07	15:40
INDAB-2	INDAB-2	02-Jul-07	15:40	02-Jul-07	16:11

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
INDAB-3	INDAB-3	02-Jul-07	16:11	02-Jul-07	16:42
INDAB-4	INDAB-4	02-Jul-07	16:42	02-Jul-07	17:12
INDAB-5	INDAB-5	02-Jul-07	17:12	02-Jul-07	17:43
INDAB-6	INDAB-6	02-Jul-07	17:43	03-Jul-07	9:32
I06290721	I06290721	03-Jul-07	9:32	03-Jul-07	10:03
I06290732	I06290732	03-Jul-07	10:03	03-Jul-07	10:33
I06290742	I06290742	03-Jul-07	10:33	03-Jul-07	11:04
I06290748	I06290748	03-Jul-07	11:04	03-Jul-07	11:35
I06290754	I06290754	03-Jul-07	11:35	03-Jul-07	12:06
I06290760	I06290760	03-Jul-07	12:06	03-Jul-07	12:37
AR1242-3	AR1242-3	03-Jul-07	12:37	03-Jul-07	12:37
PIBLK	PIBLK	30-Oct-07	16:21	30-Oct-07	16:51
AR1660-3	AR1660-3	30-Oct-07	16:51	30-Oct-07	17:22
MB-6450	MB-6450	30-Oct-07	18:55	30-Oct-07	19:26
LCS-6450	LCS-6450	30-Oct-07	19:26	30-Oct-07	19:57
LCSD-6450	LCSD-6450	30-Oct-07	19:57	30-Oct-07	22:30
PIBLK	PIBLK	30-Oct-07	22:30	30-Oct-07	23:01
AR1660-3	AR1660-3	30-Oct-07	23:01	31-Oct-07	1:35
TMCSW0101BB	0710131-001A	31-Oct-07	1:35	31-Oct-07	2:06
TMCSW0201BB	0710131-002A	31-Oct-07	2:06	31-Oct-07	2:37
TMCSW0301BB	0710131-003A	31-Oct-07	2:37	31-Oct-07	3:08
TMCSW0401BB	0710131-004A	31-Oct-07	3:08	31-Oct-07	4:09
PIBLK	PIBLK	31-Oct-07	4:09	31-Oct-07	4:40
AR1660-3	AR1660-3	31-Oct-07	4:40	31-Oct-07	5:11
TMCSW0501BB	0710131-005A	31-Oct-07	5:11	31-Oct-07	5:42
TMCSW0601BB	0710131-006A	31-Oct-07	5:42	31-Oct-07	6:13
TMCSW0701BB	0710131-007A	31-Oct-07	6:13	31-Oct-07	6:43
TMCSW0801BB	0710131-008A	31-Oct-07	6:43	31-Oct-07	7:14
101807BE	0710131-009A	31-Oct-07	7:14	31-Oct-07	8:46
PIBLK	PIBLK	31-Oct-07	8:46	31-Oct-07	9:17
AR1660-3	AR1660-3	31-Oct-07	9:17	31-Oct-07	9:17

Comments:

Appendix D

Potentially Impacting Site Results and Maps

This page is intentionally left blank.

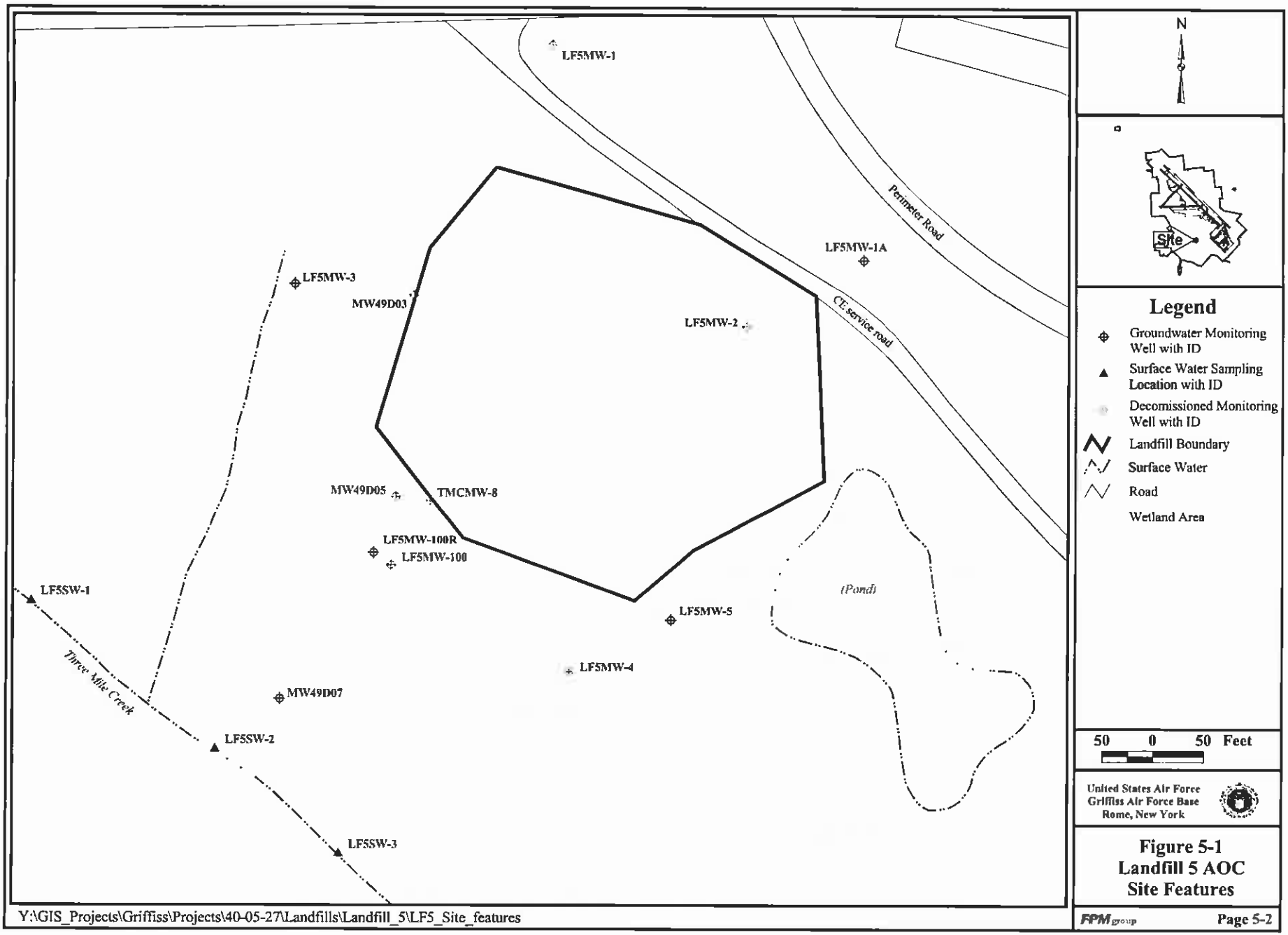

LF5MW-1
Perimeter Road
LF5MW-1A
LF5MW-3
MW49D03
CE service road
LF5MW-2
MW49D05
TMCMW-8
LF5MW-100R
LF5MW-100
LF5SW-1
(Pond)
LF5MW-5
LF5MW-4
Three Mile Creek
MW49D07
LF5SW-2
LF5SW-3
N
Site
Legend
Groundwater Monitoring Well with ID
Surface Water Sampling Location with ID
Decomissioned Monitoring Well with ID
Landfill Boundary
Surface Water
Road
Wetland Area
50 0 50 Feet
United States Air Force
Griffiss Air Force Base
Rome, New York
Figure 5-1
Landfill 5 AOC
Site Features
Y:\GIS_Projects\Griffiss\Projects\40-05-27\Landfills\Landfill_5\LF5_Site_features

Table 5-3
Landfill 5 AOC Groundwater Analytical Results

Location of Well			LF5MW-1A																		
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	2/3/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/21/2004	9/13/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/13/2005	3/9/2006	9/12/2006		3/27/2007		9/24/2007	
Sample ID No.			LF5M1A22AA	LF5M1A21BB	LF5M1A22CA	LF5M1A21DA	LF5M1A21EA	LF5M1A21FA	LF5M1A21GA	LF5M1A21HA	LF5M1A22IA	LF5M1A22JA	LF5M1A22KA	LF5M1A22LA	LF5M1A23MA	LF5M1A22NA		LF51A21OA		LF5M1A22PA	
Depth to Water (ft)			21.80	20.99	21.59	21.16	20.98	21.10	21.33	21.81	21.84	21.80	22.46	21.78	22.53	21.91		20.52		22.2	
VOCs (µg/L)																					
1,2,3-trichlorobenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trichlorobenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trimethylbenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	UM	NA		NA		NA	
1,3,5-trimethylbenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	U	NA		NA		NA	
4-chlorotoluene	5*	1	U	0.20 M	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	1.7 F	NA	NA	NA	U	NA		NA		NA	
carbon disulfide	1,000	0.5	U	U	NA	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chlorobenzene	5*	0.5	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chloroform	7	0.3	0.35 B	UM	NA	NA	0.26 F	NA	NA	NA	0.33 J	NA	NA	NA	U	NA		NA		NA	
naphthalene	10	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
o-xylene	5*	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
styrene	50*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	UM	NA		NA		NA	
toluene	5*	1	0.16 F	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
trichlorofluoromethane	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	UM	NA		NA		NA	
vinyl acetate	--	5	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
Metals (µg/L) [Dissolved / Total]**																					
aluminum	2,000	200	33,118.6	11,000 M	10,400	23,500	15,600 M	12,200 M	3,920	6,020	8,370 M	9,220 M	3,530 J	1,900 J	1,520	U	1,870	U	13,000	U	5,700
antimony	3	50	21.8 F	21.0 F	17.5 F	14.3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2.5F
arsenic	25	30	20.5 F	6.1 F	8.7 F	20.9 F	10.3 F	8.1 F	U	5.2 F	3.1 F	3.8 F	U	U	U	U	U	U	8.3 F	U	5F
barium	1,000	50	233.1	91.7	92.9	152	117	108	68	74.8	99.1 M	98.2	80.4	70.2	54.2	46 F	55.7	34 F	93	341	65
beryllium	3	4	1.79 F	0.50 F	0.6 F	1.2 F	0.8 F	U	U	U	0.5 F	0.5 F	U	U	U	U	U	U	0.73 F	U	28F
boron, Total	1,000	10	75.5 F	60.6 B	NA	NS	24.4	NA	NA	NA	17.8	NA	NA	NA	15.1	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	0.5 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	99,808.9	65,000	86,500	75,800	90,700	118,000 M	106,000	145,000	140,000	126,000	191,000	139,000	101,000	108,000	105,000	110,000	110,000	120,000	120,000
chromium	50	10	14,112.7	1,160	1,100 M	749 J	346 M	1,000 M	248 M	394 J	447 M	945 M	458 M	219 M	610 M	U	189	3.6 F	1,400 J	U	[illegible]
cobalt	--	60	52.5	10.1 F	11.2 F	22.8 F	12.7 F	11.3 F	2.6 F	4.5 F	7.7 F	11.5 F	4.5 F	2.2 F	1.9 F	U	U	U	9.1 F	U	U
copper	200	10	328.6	43.7	47.2	93.6	52.8 M	56.4	15.5	22 J	30.3 J	37.6	18.1 J	9 F	13	U	9.79 F	4.0 F	55	U	26J
iron	300	200	134,816.7	19,500	23,600 M	51,400	29,500	26,000 M	7,610	31,000	14,700 M	18,400 M	7,980 J	3,480 J	3,350 M	13.8 F	4,740	U	25,000	U	[illegible]
lead	25	25	22 F	8.0 F	9.2 F	22.5 F	12.6 F	8.9 F	U	3.9 F	5.1 F	4.1 F	U	U	U	U	U	U	9.7 F	U	U
magnesium	35,000	1,000	19,850.2	6,510	6,890	11,600	9,270	9,600 M	6,300	9,000	8,060	8,810 M	9,590	7,050	5,020	4,560	5,010	6,700	10,000	5,400	7,300
manganese	300	10	4,461.8	1,000	941 M	2,560	1,450	1,100 M	310	419	620 M	869 M	340 M	136 M	124 M	8.63 F	130	23	[illegible]	30J	[illegible]
molybdenum	--	15	151.1	13.1 F	14.1 F	8.8 F	4.6 F	11.4 F	2.9 F	2.9 F	3.1 F	9.8 F	5.4 F	2.7 F	9.9 F	U	U	U	13 F	U	7.3F
nickel	100	20	757.2	80.9	82.4	187	72.2 M	81	33.1 J	64.5	207 M	109 M	122	59.8 J	45.3 M	30.9	43.1	44	[illegible]	66.0	[illegible]
potassium	--	1,000	6,355.4	4,850 M	4,450.0	7,710	6,190	5,040	2,750	2,260	1,720	4,390	2,560	2,260	1,530	1,060	1,720	1,000	4,500	1,100	2,600
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	2.2 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	70,416.3	32,400	72,900 M	74,000	47,400	47,600 M	31,500	92,200	126,000	111,000	135,000	166,000 M	104,000	146,000	142,000	57,000	58,000	[illegible]	[illegible]
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	6.85 F	U	U	U	U
vanadium	--	10	107.8	26.1	24.4	46.8	31.3	25.7	7.3 F	11.4	16.4 J	18 F	7.5 F	4 F	4.9 F	U	4.35 F	U	27	U	12
zinc	2,000	20	171.3	42.7	59	116	69.1	55.2 M	17 F	24.9	34.9	37.7 M	17.2 F	7.3 F	7.4 F	29.2 B	37.1 B	U	59	U	30
mercury	0.7	1	0.06 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA
PCBs (µg/L) [Filtered/Unfiltered]																					
aroclor 1242	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
aroclor 1248	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
Leachate Indicators (mg/L)																					
alkalinity, Total	--	10	247	180	252 M	219	205	168	212	379	356	249	342 M	252	240	NA		NA		NA	
ammonia	2	0.2	U	0.15	UM	0.11 J	0.078	U	0.03 F	0.14	U	U	0.029 F	U	U	NA		NA		NA	
BOD5	--	2.4	U	6.1 B	UM	U	U	U	UM	U	UM	U	U	U	U	NA		NA		NA	
bromide	2	0.5	U	UM	UM	U	U	UM	U	U	U	U	U	U	U	NA		NA		NA	
COD	--	5	12.54	19.1 M	UM	U	U	U	U	U	U	6.3 M	U	19.4 M	UM	NA		NA		NA	
chloride	250	1	74.323 R	27.9	71.3 M	83.2	126	184	231	147	184	262	325	363 M	203 M	NA		NA		NA	
color	15	5	50	100	NA	NA	250	NA	NA	NA	400 J	NA	NA	NA	20	NA		NA		NA	
cyanide	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0071 F	NA		NA		NA	
hardness, Total	--	1	1.94	221	269	300	272	308	320	444	290	304	U	80.3 M	300 M	NA		NA		NA	
nitrate	10	1	5.6315	5 M	14.5 J	U	3.8 J	UM	3.7 M	3.4	3.3 M	3.3 M	3.3 M	3.1 M	2.6	NA		NA		NA	
TKN	1	1	1.11	0.43	0.79 M	0.45	0.34 J	0.36	0.17 F	0.73 B	0.34	0.22	0.36 M	0.89 M	0.91 M	NA		NA		NA	
sulfate	250	1	16.6555	14	15.9 M	16	10.7	12	11	15.1	19.1 M	15.2	14.9	23.4 M	14	NA		NA		NA	
TDS	500	10	275.6	325	451	434	494	608	626	667	649	707	1,040	848	577	NA		NA		NA	
TOC	--	1	5.99	2.7	3.1	3.7	2.5	0.95 F	2.7	4.2	3.9	3.5	3.2	2.2	2.3	NA		NA		NA	
phenolics, Total	--	0.005	0.0062	0.019 B	U	0.014 J	U	U	U	U	0.0069 F	U	U	U	U	NA		NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
NA = Not analyzed.
NS = Not sampled.
R = The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present; the analyte was not detected above the method detection limit.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
‡ = 1999 Baseline Study results.
-- = No value reported.
* = The principle organic contaminant standard for groundwater of 5 µg/L applies to this substance.
** = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
[shaded box] = Value exceeded NYSDEC Groundwater Standard.

Table 5-3 (continued)
Landfill 5 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-3																			
Date of Collection			1/8/1999[1]	2/5/2003	6/16/2003	9/8/2003	12/1/2003	3/29/2004	6/18/2004	9/16/2004	12/29/2004	3/30/2005	6/20/2005	9/6/2005	12/13/2005	3/9/2006	9/12/2006		3/28/2007		9/24/2007	
Sample ID No.			LF5MD308AB	LF5MD314AA	LF5MD314BA	LF5MD315CA	LF5MD315DA	LF5MD315EA	LF5MD315FA	LF5MD315GA	LF5MD315HA	LF5MD315IA	LF5MD315JA	LF5MD315KA	LF5MD315LA	LF5MD315MA	LF5MD315NA		LF5MD315OA		LF5MD315PA	
Depth to Water (ft)			8.11	7.83	7.62	7.46	6.16	5.67	7.00	8.11	7.28	5.21	7.28	7.69	7.08	7.01	7.61		3.97		7.93	
VOCs (ug/L)																						
1,2,3-trichlorobenzene	5	1	NA	0.10 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trichlorobenzene	5*	1	NA	0.07 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trimethylbenzene	5*	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,3,5-trimethylbenzene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
4-chlorotoluene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
acetone	50	10	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
carbon disulfide	1,000	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chlorobenzene	5*	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chloroform	7	0.3	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
naphthalene	10	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
o-xylene	5*	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
styrene	50*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
toluene	5*	1	U	0.43 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
trichlorofluoromethane	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
vinyl acetate	–	5	NA	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
Metals (ug/L) Dissolved / Total)**																						
aluminum	2,000	200	570 J	3,154.6	10,600	992	17,000	6,290	4,410	1,500	568	518	256	192 F	195 F	498	44.5 F	107 F	190 F	920	44F	210
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	6.3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	13.98	58.1	113	45.6 F	170	63.1	63.1	43.9 F	50.6	66.4	42.3 F	51.7	69	62.3	67.7	68.9	97	100	69	70
beryllium	3	4	U	U	0.60 F	0.40 F	0.9 F	0.3 U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	10	U	6.2 F	68.5 B	NA	NS	17.6	NA	NA	NA	22.7	NA	NA	NA	47.7	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	0.4 F	0.3 F	U	U	1 B	U	U	U	U	U	U
calcium	–	1,100	209,400 M	84,004	54,000	83,900	56,600	37,700	64,400	61,600	128,000	118,000	122,000	134,000	183,000	188,000	201,000	199,000	200,000	200,000	210,000	200,000
chromium	50	10	1.0 F	4.4 F	14.3	2.3 F	22	8.9 F	7.3 F	5.1 F	1.9 F	1.6 F	0.9 F	U	U	2.1 F	3.04 F	4.3 F	6.5 F	7.7 F	3.1F	3.2F
cobalt	–	60	0.7 F	0.5 F	3.7 F	U	7.6 F	2.4 F	2.2 F	U	U	U	U	U	U	1 F	U	U	U	U	U	U
copper	200	10	U	21.8	47.8	34.9	59.1	32.7	41.2	20.1	16	11.8	14	13	17.6	12.2	12.7	12.4	15	17	14	15
iron	300	200	647.8 J	2,929.5	8,590	948	14,900	5,180	3,690	1,390	527	222	252	217	186 F	502	166 F	70.7 F	80 F	920	470	200
lead	25	25	3.0 F	2.7 F	4.9 F	U	7.3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	25,945	10,255.1	6,120	6,130	7,650	7,940	5,680	5,140	12,900	11,100	12,600	13,400	17,800	18,100	21,100	20,900	23,000	23,000	21,000	21,000
manganese	300	10	1,766.3	999.9	859	186	144	48.7	90.1	32.4	335	77.2	151	294	661	452	251	255	56	190	290	320
molybdenum	–	15	U	4.3 F	U	2.2 F	U	U	U	U	U	0.7 F	U	U	U	U	U	U	U	U	U	U
nickel	100	20	6.0 F	9.7 F	12.6 F	5.1 F	18.9 F	8.7 F	8.0 F	5.8 F	3.6 F	3.5 F	2.3 F	2.5 F	2.6 F	3.4 F	3.33 F	3.54 F	6.8 F	9.1 F	3.6F	4.1F
potassium	–	1,000	4,630	21,330	3,090	1,340	4,480	1,770	1,560	975 F	1,440	1,070	1,460	1,490	1,780	1,600	1,910	1,910	1,400	1,600	1,700	1,700
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	13,570	4,088.7	2,580	4,190	4,240	3,570	3,960	2,680	1,410	2,210	1,440	1,240	8,370	3,250	2,850 B	2,840 B	3,300	3,200	2,700	2,600
thallium	0.5	80	U	U	18 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	–	10	U	4.5 F	18.0	2.8 F	29.4	11.7	8.5 F	3.2 F	1.6 F	1.1 F	U	U	U	1.3 F	U	U	U	1.8 F	U	U
zinc	2,000	20	U	13.4 F	29.8	U	50.1	18.6 F	14.5 F	5.8 F	U	7.1 F	U	7.7 F	U	5.8	16 U	20.9 B	6.9 F	13 F	U	5.2F
mercury	0.7	1	U	U	NA	NA	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA
PCBs (ug/L) Filtered/Unfiltered																						
aroclor 1242	0.09	0.5	NA	U	UJ	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
aroclor 1248	0.09	0.5	NA	U	UJ	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
Leachate Indicators (mg/L)																						
alkalinity, Total	–	10	362	186	142	202	89.6	63.6	162	140	326	111	232	247	247	223	NA		NA		NA	
ammonia	2	0.2	U	U	U	U	U	U	0.071	0.13	0.14 B	0.1	U	0.015 F	U	U	NA		NA		NA	
BOD5	–	2.4	2.4 J	U	6.5 B	U	U	U	U	U	U	U	U	U	U	U	NA		NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	0.28 F	U	0.21 F	U	U	U	U	NA		NA		NA	
COD	–	5	27.5 M	47.74	58.4	67.8	77.8	54.2	64.9	64.5	33.6	22.9	19.8	16.2	32.8	15.5	NA		NA		NA	
chloride	250	1	84 F	99.047	1.7	1.2	U	1.5	1.4	1.2	1.4	6.6	4.1	8	18.8	4.7	NA		NA		NA	
color	15	5	60	90	160	NA	NA	280	NA	NA	NA	50.7	NA	NA	NA	25	NA		NA		NA	
cyanide	200	0.02	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.01 F	NA		NA		NA	
hardness, Total	–	1	752 J	247.09	198	268	230	104	204	350	400	344	352	460	221	560	NA		NA		NA	
nitrate	10	1	0.02 M	3.6409	U	U	8.9	6.8	0.81 F	7.2	0.98 F	5.8	0.38 F	0.2 F	2.5	2.1	NA		NA		NA	
TKN	1	1	U	2.36	1	1.4	3	4	2	1	0.89	1.3	0.48	0.86	0.66	0.79 B	NA		NA		NA	
sulfate	250	1	175 F	30.2992	15	13.3	35.8	9.6	12	14.5	36.3	236	141	146	334	188	NA		NA		NA	
TDS	500	10	854	396	355	325	463	200	319	276	440	450	445	524	705	626	NA		NA		NA	
TOC	–	1	20.8	21.55	21.2	27.6	27.8	19.4	23.4	22.6	11.9	11.3	9.8	10.1	9.6	8.8	NA		NA		NA	
phenolics, Total	–	0.005	U	0.00595	0.015 B	U	U	U	U	U	U	U	0.0040 F	U	U	U	NA		NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL)
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present
NA = Not analyzed
NS = Not sampled
R = The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
UJ = The result is estimated at the method detection limit
UM = A matrix effect was present, the analyte was not detected above the method detection limit
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
# = 1999 Baseline Study results.
-- = No value reported.
* = The principle organic contaminant standard for groundwater of 5 µg/L applies to this substance
** = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.

Table 5-3 (continued)
Landfill 5 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-5																
Date of Collection			2/5/2003	6/16/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006		3/27/2007	9/24/2007
Sample ID No.			LF5MW512AA	LF5W0505BB	LF5MW513CA	LF5MW512DA	LF5MW512EA	LF5MW512FA	LF5MW512GA	LF5MW512HA	LF5MW512IA	LF5MW512JA	LF5MW512KA	LF5MW512LA	LF5MW512MA	LF5MW511NA		LF5MW511OA	LF5MW512PA
Depth to Water (ft)			5.60	4.92	5.53	4.75	4.35	5.17	5.42	5.03	5.33	5.66	6.17	5.61	5.52	5.86		3.45	6.01
VOCs (µg/L)																			
1,2,3-trichlorobenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
1,2,4-trichlorobenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
1,2,4-trimethylbenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
1,3,5-trimethylbenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
4-chlorotoluene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
carbon disulfide	1,000	0.5	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
chlorobenzene	5*	0.5	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
chloroform	7	0.3	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
o-xylene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
styrene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
toluene	5*	1	0.15 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
trichlorofluoromethane	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
vinyl acetate	--	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	NA
Metals (µg/L) [Dissolved / Total]																			
aluminum	2,000	200	2,162.1	2,420	195 F	1,720	1,470	536	3,330	1,660	1,080	1,130	924	1,830	1,710	293 B	1,140	510	170 F	290
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	59	50 0	62.3	45 2	41 6 F	54	51.5	54 6	39.5 F	46 1 F	50 1	58 4	49 6 F	41 7 F	47.3 F	26 F	43 F	57	58
beryllium	3	4	U	0 30 F	U	0 50 F	U	U	U	U	U	U	U	0 3 F	U	U	U	U	12F	U
boron, Total	1,000	10	U	51 2 B	NA	NS	10.3	NA	NA	NA	13 3	NA	NA	NA	14 6	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	0 3 F	U	U	U	U	U	U
calcium	--	1,100	78,853 6	21,300	97 600	25 700	19,400	53 400	27,800	20,000	18,600	76,500	54,600	35,500	33,300	39,800	39,000	14 000	14 000	93,000	92,000
chromium	50	10	2 9 F	4 1 F	U	3 1 F	2 F	1 2 F	4 1 F	U	1 8 F	1 7 F	U	2 1 F	3 4 F	U	2 15 F	2 0 F	4 1 F	5F	4F
cobalt	--	60	6 8 F	4 9 F	1 7 F	7 F	7 1 F	5.2 F	9 9 F	3 8 F	4 9 F	6 6 F	2 6 F	5 F	6 9 F	U	U	U	7 4 F	7 6F	6 4F
copper	200	10	30 7	36 1	33 8	35	33	27	40 9	34 4	31 8	31 4	35 3	35 2	32 6 F	27 8	32 2	27	33	7 6F	9 7F
iron	300	200	2,387.3	2,380	519	1,540	1,500	1,010	3,500	1,890	1,310	1,240	1,250	1,730	2,400	476	1,290	310	1,900	230	1,010
lead	25	25	U	U	U	U	U	U	U	U	U	U	2 F	U	2 7 F	U	U	U	U	U	U
magnesium	35,000	1,000	6,631 1	5,450	15,200	6,240	4 470	13,300	6,600	4,340	3,780	6,600	10,300	6,740	7,630	8,650	8,510	2,600	2,900	26,000	26 000
manganese	300	10	315 1	146	834	267	231	686	490	202	151	506	448	212	277	266	272	81	190	2,000	2,000
molybdenum	--	15	1 9 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	11 0 F	10 3 F	5 5 F	9 9 F	11 1 F	8 6 F	11 8 F	10 7 F	8 6 F	10 7 F	6 4 F	10 9 F	12 F	9 3 F	10 5 F	7 3 F	12	9 1F	9 7F
potassium	--	1,000	1,322 9	1,620	1,660	1,540	1,200	1,270	2,270	1,340	1,060	1,110	1,900	1,870	980 F	950 F	1,200	680 F	1,100	1,400	1,400
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	2 79 F	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	2,290.3	1,820	2,270	1,750	1,370	1,820	1,250	2,080	2,340	2,050	6,950	3,460	2,560	4,180 B	3,910 B	2,200	2,200	3,300	3,200
thallium	0.5	40	U	3 3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	4 6 F	U	3 2 F	2 F	0 9 F	6 1 F	2 1 F	1 7 F	1 6 F	1 2 F	3 F	3 5 F	U	2 1N F	0 95 F	3 5 F	1 8F	2F
zinc	2,000	20	23	U	U	18 9 F	19 5 F	10 3 F	18 6 F	20 6	16 2 F	12 7	8 6 F	15 6 F	17 2 F	27 B	24 B	16 F	U	8 5F	11F
mercury	0 7	1	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA
PCBs (ug/L) [Filtered/Unfiltered]																			
aroclor 1242	0 09	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	U		NA		NA	
aroclor 1248	0 09	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	U		NA		NA	
Leachate Indicators (mg/L)																			
alkalinity, Total	--	10	90	60	274	78	48 6	148	27 5	62 9	52 8	102	161	90 7	95 5	NA		NA		NA	
ammonia	2	0 2	U	0 093	0 052 B	U	U	0 024 F	0 059	0 026 F	U	U	0 014 F	U	U	NA		NA		NA	
BOD5	--	2 4	U	6 6 B	U	U	U	U	U	U	U	U	U	U	U	NA		NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA		NA	
COD	--	5	19 53	66 4	33 7	56 1	52 5	49 6	63 8	35 6	21 5	40 6	29	39 6	48 2	NA		NA		NA	
chloride	250	1	3 7745	2	1 6	U	1 4	2 1	1 2	2 5	2 3	2 2	2 7	1 5	1 5	NA		NA		NA	
color	15	5	50	20	NA	NA	20	NA	NA	NA	100 7	NA	NA	NA	20	NA		NA		NA	
cyanide	200	0 02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0 01 F	NA		NA		NA	
hardness, Total	--	1	121 58	96 6	495	300	U	192	170	68	84	128	220	200	180	NA		NA		NA	
nitrate	10	1	1 7616	U	U	U	0 12 F	U	0 03 F	0 14 F	0 19 F	0 040 F	0 03 F	0 34 F	0 19 F	NA		NA		NA	
TKN	1	1	0 64	0 94	0 55	1 4	0 59	0 7	0 9	0 84 B	0 42	0 37	0 59	1 3 B	0 52 B	NA		NA		NA	
sulfate	250	1	14 9267	9 1	18 5	11 9	U	13 8	10 1	13 8	14 8	19 5	35 5	22	21 6	NA		NA		NA	
TDS	500	10	85	191	350	161	124	245	163	126	123	195	277	172	170	NA		NA		NA	
TOC	--	1	15 72	17 2	13 3	20 2	16 8	15 6	22 3	18 3	16 2	16 1	17	15 3	13 9	NA		NA		NA	
phenolics, Total	--	0 005	0 0144	U	U	U	0 0039 F	U	U	U	U	U	U	U	U	NA		NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentra ti is below the reporting limit (RL)
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present
NA = Not analyzed
NS = Not sampled
R = The data is unusable due to deficiencies in the ability to analyze the mple and meet QC criteria
UJ = The result is estimated at the method detection limit
UM = A matrix effect was present, the analyte was not detected above the method detection limit
U = The analyte was analyzed for, but not detected The associated numerical value is at or below the method detection limit
§ = 1999 Baseline Study results
-- = No value reported.
* = The principle organic contaminant standard for groundwater of 5 µg/L applies to this substance.
** = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.

Table 5-3 (continued)
Landfill 5 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-100				LF5MW-100R													
Date of Collection			2/5/2003	6/17/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006	3/27/2007***		9/25/2007	
Sample ID No.			LF5MI00009AA	LF5MI00009RB	NS	NS	LF5MI00R08EA	LF5MI00R08FA	LF5MI00R10GA	LF5MI00R11HA	LF5MI00R10IA	LF5MI00R10JA	LF5MI00R10KA	LF5MI00R10LA	LF5MI00R10MA	LF5MI00R10NA	LF5MI00R00OA		LF5MI00R10PA	
Depth to Water (ft)			9.50	9.08	NS	NS	8.47	19.48	9.79	11.16	9.73	9.85	10.26	9.78	9.79	10.00	8.09		10.17	
VOCs (ug/L)																				
1,2,3-trichlorobenzene	5	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
1,2,4-trichlorobenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
1,2,4-trimethylbenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
1,3,5-trimethylbenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
4-chlorotoluene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
acetone	50	10	U	U	NS	NS	3.3 F	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
carbon disulfide	1,000	0.5	U	U	NS	NS	U	NA	NA	NA	0.42 F	NA	NA	NA	U	NA	NA		NA	
chlorobenzene	5*	0.5	0.52	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
chloroform	7	0.3	U	U	NS	NS	2.0 B	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
naphthalene	10	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
o-xylene	5*	1	0.08 F	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
styrene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
toluene	5*	1	0.20 F	0.27 F	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
trichlorofluoromethane	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
vinyl acetate	--	5	UJ	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA		NA	
Metals (ug/L) [Dissolved / Total]**																				
aluminum	2,000	200	1,882	2,030	NS	NS	9,770	28,200	2,020	2,260	7,520	4,970	5,910	2,140	6,360	U	3,420	U	850	U	160 F
antimony	3	50	U	6.4 F	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	NS	NS	U	12.1 F	U	U	3.5 F	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	11,488.7	266	NS	NS	511	9,420	7,350	7,590	6,200	7,510	8,990	6,850	7,890	5,970	6,050	5,700	5,700	8,500J	4,000J
beryllium	3	4	U	U	NS	NS	0.7 F	1.7 F	1.4 F	U	1.4 F	0.6 F	0.4 F	0.6 F	0.8 F	U	U	U	U	U	U
boron, Total	1,000	10	U	67.1	NS	NS	24	NA	NA	NA	565	NA	NA	NA	500	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	NS	NS	U	0.6 F	U	U	U	U	U	U	0.4 F	U	U	U	U	U	U
calcium	--	1,100	512,223.6	87,600	NS	NS	510,000	482,000	44,900	411,000	455,000	397,000	390,000	386,000	434,000	309,000	311,000	370,000	360,000	330,000	290,000
chromium	50	10	23.6 F	7.1 F	NS	NS	89.2	50.7	12.2	22	55.2	25.9	15	10.8	28.5	U	12.6	6.9 F	11	U	6.2F
cobalt	--	60	U	U	NS	NS	6.4 F	25.1 F	2.9 F	3.1 F	9.4	3.8 F	5.3 F	2 F	4.8 F	U	U	U	U	U	U
copper	200	10	8.0F	U	NS	NS	34.5	88.1	7.7 F	7.2 F	49	14.5	25.2	7 F	17.8	U	19.4	U	U	U	U
iron	300	200	4,216.7	21,840	NS	NS	14,300	51,900	3,810	5,760	22,900	7,820	9,480	3,090	10,260	U	7,770	U	1,200	U	240
lead	25	25	U	U	NS	NS	5.3 F	16.8 F	U	U	22.4 F	2.2 F	2.5 F	U	3.8 F	U	U	U	U	U	U
magnesium	35,000	1,000	115,200.5	23,700	NS	NS	4,160	122,000	14,600	19,400	91,200	45,000	77,600	18,700	42,600	30,000	32,900	45,000	37,000	20,000J	19,000J
manganese	300	10	754	1,320	NS	NS	259	1,620	133	109	2,840	313	307	110	325	5.68 F	130	U	140	140J	79J
molybdenum	--	15	U	U	NS	NS	19.7	5.5 F	5.2 F	5 F	4.4 F	5 F	5 F	4.6 F	4.8 F	3.63 F	5.01 F	U	U	U	3 F
nickel	100	20	24.6 F	U	NS	NS	20.4	49.8	6.6 F	13 F	42.2	16.1 F	14.7 F	5.9 F	18.1 F	U	11.9 F	U	3.4 F	U	2.2F
potassium	--	1,000	68,473	1,770	NS	NS	40,100	59,300 F	5,300	48,700 F	87,400	86,400	101,000	79,500	82,900	62,800	61,700	65,000	54,000	62,000J	37,000J
selenium	10	30	U	U	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	4,697,594	1,380	NS	NS	138,000	3,460,000	286,000	2,310,000	3,520,000	2,950,000	3,270,000	2,540,000	2,850,000	2,920,000	2,890,000	3,360,000	2,920,000	3,000,000J	1,800,000J
thallium	0.5	10	U	7.2 F	NS	NS	U	U	U	U	U	U	U	U	U	16.8 F	24.7 F	U	U	U	U
vanadium	--	10	11.1F	5.5 F	NS	NS	17.5	45.8	4.1 F	3.3 F	16.6	7.8 F	9.4 F	3.7 F	11	U	6.94 B	U	2.0 F	U	U
zinc	2,000	20	48.4 F	U	NS	NS	47.6	141.0	12.5 F	16.5	63	23.4 B	33.3	10.2 F	38.5	24.7 B	62.6 B	U	U	26F	43
mercury	0.7	1	U	NA	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA
PCBs (ug/L) [Filtered/Unfiltered]																				
aroclor 1242	0.09	0.5	UJ	U	NS	NS	U	U	U	U	0.45 F	NA	NA	NA	U	UJ		U	U	NA	
aroclor 1248	0.09	0.5	UJ	U	NS	NS	U	U	U	U	U	NA	NA	NA	U	0.253 F		U	U	NA	
Leachate Indicators (ug/L)																				
alkalinity, Total	--	10	76	149	NS	NS	1,080	391	104	81.1	362	76	89.4	96.8	90.9	NA		NA		NA	
ammonia	2	0.2	18.31	8.7	NS	NS	1.9	18.4	18.5	14.2	20.1	13.4	19.2	13.5	15.5	NA		NA		NA	
BOD5	--	2.4	U	15.7	NS	NS	U	U	U	U	3.2	U	U	U	U	NA		NA		NA	
bromide	2	0.5	160.4724	46.8	NS	NS	4.3	252	83	36.4	216	134	130	57.3	72	NA		NA		NA	
COD	--	5	119.35	16	NS	NS	16	664	U	U	118	94.5	54.3	132	132	NA		NA		NA	
chloride	250	1	8,715.04	2,720	NS	NS	375	13,500	2,110	7,820	12,900	8,370	9,240	10,200	6,560	NA		NA		NA	
color	15	5	10	15	NS	NS	250	NA	NA	NA	2,000 J	NA	NA	NA	5	NA		NA		NA	
cyanide	200	0.02	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	0.0059 F	NA		NA		NA	
hardness, Total	--	1	1,082.56	308	NS	NS	1,210	1,800	1,270	1,210	430	1,210	1,510	3,200	1,600	NA		NA		NA	
nitrate	10	1	U	U	NS	NS	U	U	U	U	U	U	U	U	U	NA		NA		NA	
TKN	1	1	18.68	10.4	NS	NS	3.2	17.9	14.8	13.9	12.2	15	16.1	2.6	15.9	NA		NA		NA	
sulfate	250	1	11.2708	33.9	NS	NS	3.2	U	U	U	U	1.3	U	0.87 F	1.1	NA		NA		NA	
TDS	500	10	13,874	2,950	NS	NS	1,640	11,400	13,300	10,100	15,400	8,750	8,410	7,220	8,240	NA		NA		NA	
TOC	--	1	U	U	NS	NS	13.2	U	U	U	1.5	U	U	U	U	NA		NA		NA	
phenolics, Total	--	0.005	0.09368	U	NS	NS	U	U	U	U	0.008 F	0.0050 F	U	0.013	0.004 F	NA		NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the samp
F = Analyte was positively identified above MDL, however the concentra n is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present.
NA = Not analyzed.
NS = Not sampled.
R = The data is unusable due to deficiencies in the ability to analyze the sple and meet QC criteria
UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection lim
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
§ = 1999 Baseline Study results.
-- = No value reported
* = The principle organic contaminant standard for groundwater of 5 µg/L applies to this substance
** = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.

Table 5-3 (continued)
Landfill 5 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MW49D007																			
Date of Collection			1/9/1999§	2/3/2003	6/17/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/31/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006		3/28/2007		9/24/2007	
Sample ID No.			MW49D0706AB	MW49D0709AA	MW49D0705BB	LF5M49D0707CA	MW49D0704DA	MW49D0704EA	M49D0705FA	M49D0705GA	M49D0705HA	M49D0705IA	M49D0705JA	M49D0705KA	M49D0705LA	M49D0705MA	M49D0705NA		M49D0703OA		MW49D0705PA	
Depth to Water (ft)			5.55	4.90	4.87	7.48	4.69	3.85	4.47	4.88	4.91	5.80	4.79	5.11	4.65	4.78	4.89		3.32		5.15	
VOCs (ug/L)																						
1,2,3-trichlorobenzene	5	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trichlorobenzene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,2,4-trimethylbenzene	5*	1	NA	0.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
1,3,5-trimethylbenzene	5*	1	NA	0.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
4-chlorotoluene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
acetone	50	10	5.5 F	U	U	NA	NA	U	NA	NA	NA	1.9 F	NA	NA	NA	U	NA		NA		NA	
carbon disulfide	1,000	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chlorobenzene	5*	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
chloroform	7	0.3	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
naphthalene	10	1	0.06 F	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
o-xylene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
styrene	50*	1	NA	0.05 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
toluene	5*	1	U	0.40 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
trichlorofluoromethane	5*	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
vinyl acetate	--	5	NA	1.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA		NA	
Metals (ug/L) [Dissolved / Total]**																						
aluminum	2,000	200	13,220	U	360	1,300	2,100	1,270	5,640	11,100	4,630	1,080	7,590	5,100	13,200	4,150	U	2,190	U	3,300	U	3,400
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	9 F	U	U	U	U	U	U	U	U	3 F	U	U	5 F	U	U	U	U	U	U	U
barium	1,000	50	192 3	151 8	5,110	171	208	192	199	236	198	164	172	186	230	184	155	172	150	170	170	210
beryllium	3	4	0.4 F	U	0.60 F	U	U	U	U	U	U	U	U	U	0.7 F	U	U	U	U	U	U	U
boron, Total	1,000	10	78 F	U	438	NA	NS	19 9	NA	NA	NA	19.5	NA	NA	NA	24 2	NA	NA	NA	NA	NA	NA
cadmium	5	5	2 8 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	103,330	91,608.3	266 000	97,700	97,200	95,200	102,000	114,000	101.000	89,500	93,200	95,900	115,000	99,400	90,700	92,100	93,000	99 000	100,000	120,000
chromium	50	10	18	2 2 F	17 7	U	2 9 F	U	7 5 F	12 9	6 F	1 5 F	2 7 F	5 8 F	15 4	5 3 F	U	3 65 F	2 9 F	7 2 F	3F	6.7F
cobalt	--	60	6 5	U	2 8 F	U	U	U	3 2 F	6 1 F	1 5 F	U	1 2 F	3 4 F	7 5 F	2 1 F	U	U	U	U	U	U
copper	200	10	14	U	15 5	U	4 1 F	U	15 8	20 7	6 1 F	1 6 F	U	10 3	24 9	5 9 F	U	3 05 F	U	5 3 F	U	4 9F
iron	300	200	18,170	3,634.3	646	1,420	2,210	1,330	5,630	15,000	4,110	3,190	1,810	7,760	18,700	4,840	65 8 F	2,050	U	3,300	10F	5,180
lead	25	25	10 0 F	U	U	U	U	U	3 8 F	6 1 F	U	U	2 6 F	6 5 F	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	31,652	27,269.3	66,800	26,300	26,900	25,800	30,000	35,200	26,900	21,800	23,600	23,600	30,500	23,800	20,600	20,900	20,000	22 000	22,000	26 000
manganese	300	10	1,147.7	318.3	407	264	813	645	543	747	624	830	305	446	700	379	242	316	180	458	530	498
molybdenum	--	15	U	4 9 F	9 2 F	U	U	U	U	U	U	0 8 F	U	U	U	U	U	U	U	U	U	U
nickel	100	20	14	U	59 3	U	U	U	5 4 F	13 4	4 4 F	1 5 F	1 8 F	7 F	17 F	4 3 F	U	2 7 F	U	3 0 F	U	4 6F
potassium	--	1,000	31,652	843 5 F	38,200	1,760	1,990	1,530	2,950	4,920	2,500	1,460	1,960	2,480	5,100	2,390	924 F	1,740	1,100	2,300	1,200	2,300
selenium	10	30	U	10.6 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	7,950	1,660 6	2,440,000	1,510	1,800	1,230	3,200	2,500	2,420	2,390	2,960	1,930	2,380	3,190	3,250 B	3,120 B	3,900	4,200	4 400	5,000
thallium	0.5	80	U	U	6.2 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	28	1 7 F	U	3 F	4 5 F	2 8 F	10	19	7 7 F	2 F	4 3 F	8 2 F	22 2	7 1 F	U	4 18 F	U	5 9 F	U	5 8F
zinc	2,000	20	45	8 2 F	28	U	13 1 F	7 3 F	20 3	40 1	18 6 F	8 1 F	4 9 F	25 1	37.5	13.5 F	35 8 B	35.2 B	U	12 F	U	15F
mercury	0.7	1	U	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA
PCBs (ug/L) [Filtered/Unfiltered]			U																			
aroclor 1242	0.09	0.5	NA	U	U	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
aroclor 1248	0.09	0.5	NA	U	U	U	U	U	U	U	U	U	NA	NA	NA	U	NA		NA		NA	
Leachate Indicators (ug/L)																						
alkalinity, Total	--	10	296	295	273	296	331	288	264	90 2	181	270	270	280	299	267	NA		NA		NA	
ammonia	2	0.2	U	U	U	U	U	U	0 029 F	0 064	0 046 F	0 062	U	0 052	U	0 023 F	NA		NA		NA	
BOD5	--	2 4	2 40 UJ	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	0 19 U	U	NA		NA		NA	
COD	--	5	8 7	19.38	24 2	U	12 B	40	16 4	U	U	37 3	U	13 3	3 1 F	22 9	NA		NA		NA	
chloride	250	1	6 78 F	3 0623	1 8	1 9	2 3	0 41 F	2 1	5 4	4 8	1 9	2 3	4	7 5	4 7	NA		NA		NA	
color	15	5	10 J	10	120	NA	NA	10	NA	NA	NA	400 J	NA	NA	NA	240	NA		NA		NA	
cyanide	200	0 02	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0 0052 F	NA		NA		NA	
hardness, Total	--	1	12	271 88	960	421	430	352	349	460	360	708	328	390	620	370	NA		NA		NA	
nitrate	10	1	0 19 UJ	U	U	U	U	U	0 027 F	U	0 030 F	U	U	U	U	U	NA		NA		NA	
TKN	1	1	U	U	0 46	0 74	0 29	0 50	U	0 56	0 58 B	0 46 B	0 2	0 62	0 91 B	0 58 B	NA		NA		NA	
sulfate	250	1	29 60 F	26 4659	30 4	27 9	29 8	27 6	30 2	35 9	43 3	44 2	39 7	33 1	40 7	39 8	NA		NA		NA	
TDS	500	10	355	278	353	358	764	333	372	411	372	317	346	370	419	334	NA		NA		NA	
TOC	--	1	5 09	4 53	2 9	3 7	4	2 7	2 7	3 8	5 2	4 8	5 3	4 6	7 5	4 3	NA		NA		NA	
phosphorus, Total	--	0.005	0.00336 UJ	U	U	U	U	U	U	U	0 0097 F	U	0 0070 F	U	U	U	NA		NA		NA	

Notes
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL)
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present
NA = Not analyzed
NS = Not sampled
R = The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
UJ = The result is estimated at the method detection limit
UM = A matrix effect was present; the analyte was not detected above the method detection limit
U = The analyte was analyzed for, but not detected. **The associated numerical value is at or below the method detection limit**
§ = 1999 Baseline Study results
-- = No value reported.
* = The principle organic contaminant standard for groundwater of 5 µg/L applies to this substance
** = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations

Table 5-4
Landfill 5 AOC Surface Water Analytical Results

Location of Well			LF5SW-1															
Date of Collection	NYSDEC Class A Surface Water Standards	Reporting Limit	2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006		3/28/2007	
Sample ID No.			LF5SW0101AA	LF5SW0100BA	LF5SW0101CA	LF5SW0101DA	LF5SW0101EA	LF5SW0101FA	LF5SW0101GA	LF5SW0101HA	LF5SW0101IA	LF5SW0101JA	LF5SW0101KA	LF5SW0101LA	LF5SW0101MA	LF5SW0101NA		LF5SW0101OA	
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		Surface	
VOCs (µg/L)																			
1,2,4-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	1.7	NA	NA	NA	U	NA		NA	
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	0.96	NA	NA	NA	U	NA		NA	
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	3.5 F	NA	NA	NA	U	NA		NA	
benzene	1	0.1	0.13 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
chlorobenzene	5	0.5	0.45 F	0.52	NA	NA	0.26 F	NA	NA	NA	6.7	NA	NA	NA	0.53	NA		NA	
chloroform	7	0.3	0.17 F	U	NA	NA	0.29 F	NA	NA	NA	0.29 F	NA	NA	NA	U	NA		NA	
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	0.21 F	NA	NA	NA	U	NA		NA	
trichloroethene	5	1	0.31 F	U	NA	NA	0.26 F	NA	NA	NA	0.27 F	NA	NA	NA	U	NA		NA	
toluene	5	1	0.10 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
vinyl acetate	–	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
Metals (µg/L) [Dissolved / Total]*																			
aluminum	100	200	U	508	42.9 F	111 F	203	U	U	379	102	137 F	U	441	50.2 F	U	51.1 F	U	70 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	44.5 F	60.2	57.8	77.6 F	34.6 F	49.9 F	48.2 F	32.7 F	41.7 F	46.5 F	49.8 F	48.8 F	48.3 F	36.4 F	37 F	37 F	37 F
beryllium	3	4	U	U	0.3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	67.5 B	NA	NS	17.8	NA	NA	NA	24.2	NA	NA	NA	25.8	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	–	1,100	95,594.8	101,000	112,000	68,800	85,900	111,000	102,000	77,800	120,000	142,000	131,000	117,000	117,000	109,000	107,000	96,000	95,000
chromium	50	10	U	2.5 F	U	U	U	1.1 F	U	U	0.8 F	U	U	U	0.9 F	U	U	3.2 F	2.0 F
cobalt	5	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	3.9 F	U	2.5 F	U	4.2 F	2 F	3.1 F	U	3.3 F	U	2.4 F	U	U	U	U	U
iron	300	200	78.6 F	991	58.4 F	232	298	98.1 F	139 F	442	166 F	472	237	622	241	25.8	319	6.3 F	180 F
lead	50	25	U	6.2 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,486.9	16,500	18,500	9,380	11,800	16,900	15,500	9,510	14,900	18,900	20,100	16,500	17,200	17,600	17,600	13,000	12,000
manganese	300	10	62.8	164	71.8	68.3	64.9	65.2	71.4	139	326	258	569	446	432	250	249	120	130
molybdenum	–	15	3.9 F	U	U	U	U	2.1 F	U	2.6 F	2 F	6.2 F	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	U	U	U	U	1.7 F	U	U	U	U	U	U	U	U
potassium	–	1,000	1,492.5	2,180	2,050	2,080	1,880	2,210	2,230	1,980 F	2,500	3,070	2,440	2,680	2,280	1,910	1,970	2,000	2,000
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	–	1,000	90,342	76,300	94,000	199,000	88,200	98,400	92,400	98,500	110,000	101,000	109,000	102,000	110,000	97,700	99,200	110,000	110,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	–	10	U	3.9 F	U	U	U	U	U	3.3 F	2.5 F	1.9 F	U	1.7 F	U	U	U	U	U
zinc	2,000	20	14.5 F	U	U	27.3	10.7 F	12.1 F	U	12.4 F	10 F	7.4 F	5.1 F	9.4 F	6.6 F	25.8 B	22.5 B	6.3 F	7.6 F
Leachate Indicators (mg/L)																			
alkalinity, Total	–	10	232	222	254	166	172	222	241	163	207	262	285	241	230	NA		NA	
ammonia	2	0.2	U	U	0.092 B	U	U	U	0.037	0.13	U	0.076 F	0.024 F	0.029 F	0.025 F	NA		NA	
BOD5	–	2.4	U	7.1 B	U	U	U	U	U	U	U	U	U	2.5	U	NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	6.6	U	NA		NA	
COD	–	5	U	U	U	U	U	U	U	U	U	9.3 F	U	U	U	NA		NA	
chloride	250	1	160.3862	148	163	300	195	192	172	209	274	250	218	180	224	NA		NA	
color	15	5	U	10	NA	NA	20	NA	NA	NA	15.J	NA	NA	NA	5	NA		NA	
cyanide	200	0.02	0.00173 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0084 F	NA		NA	
hardness, Total	–	1	298.07	451	295	280	276	300	340	288	344	432	470	410	440	NA		NA	
nitrate	10	1	1.4562	1	1.2	1.6	1.2	1.4	1.1	0.96 F	1.1	0.5 F	0.35 F	U	1.1	NA		NA	
TKN	1	1	0.56	0.43	0.37	0.5	0.16 F	0.34 B	U	0.74	0.32	0.72	0.55	0.61 B	U	NA		NA	
sulfate	250	1	42.954	48.8	46.8	29.3	33	43	0.14 F	53.1	62.6	99	67.8	58.6	53.6	NA		NA	
TDS	500	10	259	577	641	712	536	657	598	535	668	813	771	684	677	NA		NA	
TOC	–	1	1.01	1.2	1.1	1.4	1.1	0.85 J	0.75 F	2.3	1.8	3.4	2	0.37 F	0.85 F	NA		NA	
phenolics, Total	–	0.005	U	U	U	U	0.0048 F	U	U	U	U	0.011	0.017	U	U	NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL)
NA = Not analyzed
NS = Not sampled
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
UJ = The result is estimated at the method detection limit
– = No value reported
* = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations
[redacted] = Value exceeded NYSDEC Surface Water standard

Table 5-4 (continued)
Landfill 5 AOC Surface Water Analytical Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-2																	
Date of Collection			2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006		3/28/2007	
Sample ID No.			LF5SW0101AA	LF5SW0201BA	LF5SW0201CA	LF5SW0201DA	LF5SW0201EA	LF5SW0201FA	LF5SW0201GA	LF5SW0201HA	LF5SW0201IA	LF5SW0201JA	LF5SW0201KA	LF5SW0201LA	LF5SW0201MA	LF5SW0201NA		LF5SW0201OA	
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		Surface	
VOCs (µg/L)																			
1,2,4-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.47 F	NA	NA	NA	U	NA		NA	
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	4.3	NA	NA	NA	0.82 F	NA		NA	
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.78 F	NA	NA	NA	U	NA		NA	
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	2.1	NA	NA	NA	0.41 F	NA		NA	
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	12	NA	NA	NA	2.8 F	NA		NA	
benzene	1	0.1	2.79	0.34 F	NA	NA	2.2	NA	NA	NA	3.5	NA	NA	NA	0.62	NA		NA	
chlorobenzene	5	0.5	2.55	1.3	NA	NA	1.8	NA	NA	NA	22	NA	NA	NA	5.5	NA		NA	
chloroform	7	0.3	0.15 F	U	NA	NA	0.29 F	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
trichloroethene	5	1	0.25 F	U	NA	NA	0.28 F	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
toluene	5	1	0.13 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
vinyl acetate	--	5	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
Metals (µg/L) [Dissolved / Total]*																			
aluminum	100	200	U	70.4 F	25.5 F	129 F	229	U	115 F	290	786	224	U	166 F	37.8 F	U	96.6 F	U	87 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	44.8 F	51.1	58.3	37.6 F	34.6 F	48.0 F	57.2	43.5 F	50.5	43.7 F	45.4 F	42.5 F	47.7 F	43.5 F	44.9 F	36 F	37 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	63.6 B	NA	NS	18.3	NA	NA	NA	74.2	NA	NA	NA	23	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	95,166.7	98,200	113,000	69,900	84,300	104,000	112,000	91,000	203,000	127,000	123,000	110,000	114,000	111,000	110,000	96,000	95,000
chromium	50	10	1.0 F	U	U	U	U	U	U	U	1 F	U	U	U	1.1 F	U	2.12 F	2.1 F	2.5 F
cobalt	5	60	U	U	U	U	U	U	U	U	1.4 F	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	2.8 F	U	3.4 F	2.8 F	3.2 F	8.3 F	3.7 F	U	1.7 F	U	U	U	U	U
iron	700	200	128.0 F	109 F	50.3 F	215	382	119 F	382	540	1,320	457	214	288	205	29.8 F	167 F	8.4 F	190 F
lead	50	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,931.8	15,500	19,200	9,510	11,500	16,200	15,900	11,400	12,800	19,200	19,500	15,600	16,900	17,600	17,700	12,000	12,000
manganese	300	10	82.3	76.9	82.5	63.6	66.7	67.2	185	244	495	536	502	348	344	198	201	120	120
molybdenum	--	15	4.0 F	U	U	U	U	U	3.5 F	3.5 F	19.8	4 F	U	2.9 F	U	U	U	U	U
nickel	100	20	U	U	U	U	U	U	1.7 F	1.5 F	6.7 F	1.7 F	U	U	U	1.58 F	U	U	U
potassium	--	1,000	1,356.3	2,030	1,990	2,040	1,820	2,070	2,660	2,270	4,540	2,790	2,180	2,650	2,010	1,850	1,960	2,100	2,000
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	1,000	86,248.3	83,000	94,800	185,000	82,700	90,200	89,400	98,500	34,100	102,000	105,000	102,000	113,000	101,000	102,000	110,000	110,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	1.7 F	U	U	1.9 F	1.1 F	2.4 F	3.6 F	23.8	1.5 F	U	U	U	U	U	U	U
zinc	2,000	20	13.5 F	U	U	19 F	11.6 F	11.0 F	7.3 F	11.5 F	6.6 F	8.4 F	4.4 F	6.7 F	8.7 F	30.5 B	2.62 B	6.2 F	7.6 F
Leachate Indicators (mg/L)																			
alkalinity, Total	--	10	240	229	258	170	172	224	246	161	184	253	274	233	233	NA		NA	
ammonia	2	0.2	U	U	U	U	U	0.1	0.079	0.068	0.2	0.069	0.013 F	U	0.057	NA		NA	
BOD5	--	2.4	U	6.9 B	U	U	U	U	U	U	7.5	U	U	U	U	NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	U	0.6	U	U	6.6	U	NA		NA	
COD	--	5	U	U	U	U	U	U	U	10.8	29.6	17.1	5.6 F	U	U	NA		NA	
chloride	250	1	154.286	155	170	234	178	184	177	195	79.1	241	217	180	230	NA		NA	
color	15	5	U	5	NA	NA	20	NA	NA	NA	70.7	NA	NA	NA	5	NA		NA	
cyanide	200	0.02	U	U	NA	NA	0.0086 F	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
hardness, Total	--	1	298.07	300	400	250	268	296	350	312	594	424	440	460	370	NA		NA	
nitrate	10	1	1.1061	1.1	1.1	1.7	1.3	1.3	0.99 F	0.94 F	1.6	0.55 F	0.32 F	U	0.99 F	NA		NA	
TKN	1	1	U	0.44	0.43	0.59	0.24	0.40 B	0.21	0.72	1.3	0.47	0.51	0.42 B	0.57 B	NA		NA	
sulfate	250	1	43.0834	44	46.5	29.6	32.3	42.1	57.6	67.6	573	79.1	66.9	61	62	NA		NA	
TDS	500	10	550	583	633	707	516	631	618	586	874	764	748	706	657	NA		NA	
TOC	--	1	1.57	1	1.1	1.5	2.3	0.87 F	2.2	2.9	13.8	2.9	2	0.47 F	1.2	NA		NA	
phenolics, Total	--	0.005	U	0.011 B	U	U	U	U	U	U	0.0047 F	0.01	U	U	U	NA		NA	

Notes
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL)
NA = Not analyzed
NS = Not sampled
U = The analyte was analyzed for, but not detected The associated numerical value is at or below the method detection limit
UJ = The result is estimated at the method detection limit
-- = No value reported
* = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations
[ ] = Value exceeded NYSDEC Surface Water standard

Table 5-4 (continued)
Landfill 5 AOC Surface Water Analytical Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-3																	
Date of Collection			2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/16/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	9/12/2006		3/28/2007	
Sample ID No.			LF5SW0301AA	LF5SW0301BA	LF5SW0301CA	LF5SW0301DA	LF5SW0301EA	LF5SW0301FA	LF5SW0301GA	LF5SW0301HA	LF5SW0301IA	LF5SW0301JA	LF5SW0301KA	LF5SW0301LA	LF5SW0301MA	LF5SW0301NA		LF5SW0301OA	
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		Surface	
VOCs (µg/L)																			
1,2,4-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.27 F	NA	NA	NA	U	NA		NA	
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	2.3	NA	NA	NA	0.44 F	NA		NA	
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.37 F	NA	NA	NA	U	NA		NA	
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	1.1	NA	NA	NA	U	NA		NA	
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	8.4 F	NA	NA	NA	2.7 F	NA		NA	
benzene	1	0.1	1.43	0.22 F	NA	NA	1.1	NA	NA	NA	1.5	NA	NA	NA	0.49 F	NA		NA	
chlorobenzene	5	0.5	1.35	0.96	NA	NA	1.1	NA	NA	NA	11	NA	NA	NA	0.4	NA		NA	
chloroform	7	0.3	0.10 F	U	NA	NA	0.22 F	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	0.2 F	NA	NA	NA	U	NA		NA	
trichloroethene	5	1	0.18 F	U	NA	NA	0.21 F	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
toluene	5	1	0.22 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
vinyl acetate	--	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	NA		NA	
Metals (µg/L) [Dissolved / Total]*																			
aluminum	100	200	U	153 F	52.3 F	247	196 F	U	164 F	4,280	551	152 F	U	136 F	63.3 F	U	62.4 F	U	97.1 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	48.1 F	59.3	61.8	40.9 F	31.5 F	52.5	64.3	63.9	79.9	42.9 F	45.3 F	40.1 F	49.2 F	42.2 F	44.1 F	36 F	37 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	61.1 B	NA	NS	15.7	NA	NA	NA	48.7	NA	NA	NA	26.2	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	0.6 F	0.4 F	U	U	U	U	U	U	U	U
calcium	--	1,100	91,794.4	95,700	110,000	68,000	66,000	102,000	109,000	92,400	129,000	127,000	123,000	105,000	119,000	108,000	109,000	93,000	90,000
chromium	50	10	U	U	U	1.8 F	1.8 F	1.0 F	U	5.6 F	1.2 F	U	U	U	1.3 F	U	3.1 B F	2.9 F	2.3 F
cobalt	5	60	U	U	U	U	U	U	U	2.2 F	0.9 F	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	4.7 F	5.1 F	4.1 F	2.6 F	12.4	5.5 F	2.9 F	U	1.9 F	U	U	U	2.3 F	2.5 F
iron	300	200	171.0 F	295	60 F	528	540	165 F	516	4,320	894	352	179	242	260	22.9 F	162 F	31 F	300
lead	50	25	U	U	U	33.3	U	U	U	13.2	2.5 F	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	16,006.9	16,200	19,100	9,670	9,440	16,500	16,500	10,700	11,700	19,400	19,800	15,700	17,400	17,400	17,700	12,000	12,000
manganese	300	10	90.6	87.4	67.8	87.5	56.9	70.5	184	293	347	572	487	271	408	193	198	140	140
molybdenum	--	15	4.5 F	U	U	U	U	2.1 F	U	3 F	10.7 F	4.4 F	U	U	1.7 F	U	U	U	U
nickel	100	20	U	U	U	U	U	U	U	7.2 F	4.6 F	1.6 F	U	U	U	U	U	U	U
potassium	--	1,000	1,335.1	1,980	2,170	1,940	1,290	2,080	2,500	3,150 F	2,740	2,690	2,780	2,440	2,240	1,890	1,950	2,000	2,000
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	1,000	82,992.5	79,000	97,400	182,000	55,800	88,000	85,100	323,000	23,600	101,000	106,000	103,000	132,000	100,000	103,000	100,000	100,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	6.81 F	U	U
vanadium	--	10	U	2.3 F	U	2.2	2.2 F	1.4 F	1.8 F	19.8	13.3	1.4 F	U	U	0.9 F	U	U	0.71 F	0.94 F
zinc	2,000	20	13.3 F	U	U	20	10.9 F	9.9 F	5.8	41	11.4 F	7.7 F	4.4 F	7.2 F	10.1 F	49.9 B	29 B	U	9.4 F
Leachate Indicators (mg/L)																			
alkalinity, Total	--	10	203	219	246	157	142	223	245	161	146	250	270	228	229	NA		NA	
ammonia	2	0.2	U	U	U	0.05	U	0.024 F	0.11	0.062	0.18	U	0.022 F	0.023 F	0.028 F	NA		NA	
BOD5	--	2.4	U	7.2 B	U	U	1.8 F	U	U	U	4.4	U	U	U	U	NA		NA	
bromide	2	0.5	U	U	U	U	U	U	U	U	0.62	U	U	6.9	U	NA		NA	
COD	--	5	9.77	U	U	12 B	35.4	U	22	U	28.6	U	U	U	U	NA		NA	
chloride	250	1	142.9855	148	110	293	114	184	172	726	59.5	243	216	187	254	NA		NA	
color	15	5	30	20	NA	NA	60	NA	NA	NA	100 J	NA	NA	NA	3	NA		NA	
cyanide	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0072 F	NA		NA	
hardness, Total	--	1	298.07	349	358	400	212	308	335	320	414	396	420	340	430	NA		NA	
nitrate	10	1	1.3597	U	1	1.7	1.9	1.3	0.97 F	1.2	2.4	0.53 F	0.28 F	U	1	NA		NA	
TKN	1	1	U	0.45	0.49	0.75	0.63	0.51 B	0.14 F	0.16 F	1.3	0.36	0.58	0.77 B	0.91 B	NA		NA	
sulfate	250	1	41.4313	42.9	45.8	28.9	25.1	43.2	49.7	80.8	319	79	65.8	53.2	58.6	NA		NA	
TDS	500	10	532	577	599	666	388	615	627	1,170	634	711	731	670	660	NA		NA	
TOC	--	1	4.42	1.9	1.3	4	5.6	1.1	2	2.4	17.6	2.9	2	0.62 F	1.1	NA		NA	
phenolics, Total	--	0.005	U	U	U	U	0.0093 F	U	U	0.0091 F	U	0.014	0.009 F	U	U	NA		NA	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL)
NA = Not analyzed
NS = Not sampled
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
UJ = The result is estimated at the method detection limit
-- = No value reported
* = Beginning in the September 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations
[ ] = Value exceeded NYSDEC Surface Water standard

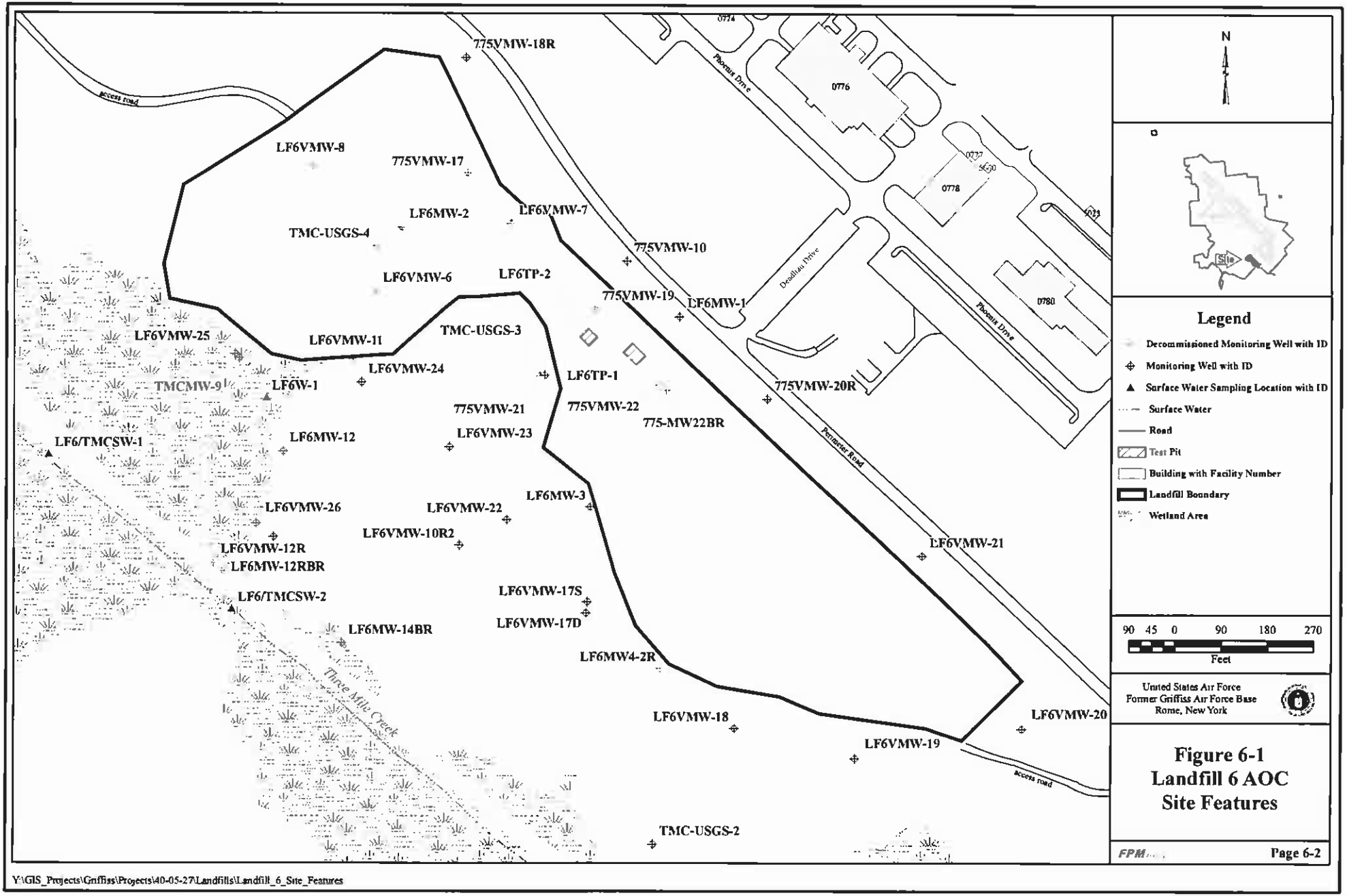

775VMW-18R
access road
LF6VMW-8
775VMW-17
LF6MW-2
LF6VMW-7
TMC-USGS-4
775VMW-10
LF6VMW-6
LF6TP-2
775VMW-19
LF6MW-1
LF6VMW-25
LF6VMW-11
TMC-USGS-3
LF6VMW-24
LF6TP-1
TMCMW-9
LF6W-1
775VMW-21
775VMW-22
775-MW22BR
775VMW-20R
LF6/TMCSW-1
LF6MW-12
LF6VMW-23
LF6MW-3
LF6VMW-26
LF6VMW-22
LF6VMW-10R2
LF6VMW-12R
LF6MW-12RBR
LF6VMW-21
LF6/TMCSW-2
LF6VMW-17S
LF6VMW-17D
LF6MW-14BR
LF6MW4-2R
Three Mile Creek
LF6VMW-18
LF6VMW-20
LF6VMW-19
access road
TMC-USGS-2
Phoenix Drive
Deadlau Drive
Perimeter Road
0774
0776
0777
0778
0780
N
Site
Legend
Decommissioned Monitoring Well with ID
Monitoring Well with ID
Surface Water Sampling Location with ID
Surface Water
Road
Test Pit
Building with Facility Number
Landfill Boundary
Wetland Area
90 45 0 90 180 270
Feet
United States Air Force
Former Griffiss Air Force Base
Rome, New York
Figure 6-1
Landfill 6 AOC
Site Features
FPM
Page 6-2
Y:\GIS_Projects\Griffiss\Projects\40-05-27\Landfills\Landfill_6_Site_Features

Table 6-3
Landfill 6 AOC Groundwater

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-10												775VMW-1RR											
Date of Collection			6/28/2006		9/13/2006		12/11/2006		4/11/2007		6/19/2007		9/27/2007		6/28/2006		9/15/2006		12/11/2006		4/11/2007		6/19/2007		9/27/2007	
Sample ID No.			775VM1095AA		775VM1095BB		775VM1095CA		775VM1095DA		775VM1095EA		775VM1095FA		775VM1RR90AA		775VM1RR90BB		775VM1RR90CA		775VM1RR90DA		775VM1RR90EA		775VM1RR90FA	
Depth to Water (ft)			60.25		60.18		59.27		58.15		57.97		59.37		52.45		52.43		51.77		50.57		50.15		51.48	
VOCs (ug/L)																										
1,1,1-trichloroethane	5*	1	1.1		1		0.820 F		0.720 F		0.700 F		0.510 F		6		5.81		[redacted]		[redacted]		4.7		3.91	
1,1-dichloroethane	5*	1	U		U		U		U		U		U		0.4 F		0.37 F		0.280 F		0.230 F		0.250 F		0.240 F	
1,2-dichloroethane	0.6	1	U		U		U		U		U		U		1.3		1.3		1.07		[redacted]		[redacted]		[redacted]	
1,4-dichlorobenzene	3	0.5	U		U		U		U		U		U		U		U		U		U		U		U	
acetone	50	10	1.4 F		U		U		U		U		U		U		U		U		U		U		U	
benzene	1	0.1	U		U		U		U		U		U		U		U		U		U		U		U	
carbon disulfide	1,000	0.5	U		U		U		U		U		U		U		U		U		U		U		U	
chloroform	7	0.3	U		U		0.140 F		U		U		U		0.32		0.40 F		0.500		U		0.370 F		0.350 F	
chloromethane	5*	1	U		U		UJ		U		U		U		U		U		UJ		U		U		U	
cis-1,2-dichloroethene	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
dichlorodifluoromethane	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
hexachlorobutadiene	0.5*	0.4	U		U		U		U		U		U		U		U		U		U		U		U	
methylene chloride	5*	1	U		U		U		U		0.473 F		U		U		U		U		U		U		U	
m,p-xylene	5*	2	U		U		U		U		U		U		U		U		U		U		U		U	
trichloroethene (TCE)	5*	1	94		83.8		83.3		68.5		68.4		58.8		U		U		U		U		U		U	
trans-1,2-dichloroethene	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
trichlorofluoromethane	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
vinyl chloride	2	1	U		U		U		U		U		U		U		U		U		U		U		UJ	
xylenes, Total	-	1.5	U		U		U		U		U		U		U		U		U		U		U		U	
Total VOCs (ug/L)			98.5		84.6		85.36		68.93		69.45		59.31		7.33		7.17		7.38		6.25		6.17		5.05	
Metals (ug/L) (Dissolved / Total)																										
aluminum	2,000	200	157 F	1,780	40.1 F	594	U	370	U	480	1400	U	U	440	33.9 F	681	U	546	U	560	U	450	390	U	U	210
antimony	3	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	3.2 F	10.1 F	3.16 F	4.73 F	2.2 F	3.3 F	2.9 F	4.0 F	8.6 F	3.4 F	2.8 F	4.3 F	19 F	21.3 F	13.9 F	19.8 F	11 F	14 F	19 F	21 F	21 F	20 F	17 F	18 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	20.7	20 F	NA	NA	NA	NA	NA	NA	130	130	NA	NA	81.1	77.7	NA	NA	NA	NA	NA	NA	81	81	NA	NA
cadmium	5	3	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium		1,100	42,200	43,900	42,900	42,900	42,000	42,000	49,000	48,000	55,000	51,000	62,000	63,000	178,000	183,000	129,000	131,000	120,000	120,000	200,000	190,000	210,000	210,000	180,000	180,000
chromium	50	10	1.6 F	32	2.38 F	11.6	2.9 F	12	4.4 F	9.0 F	11	2.8 F	3.4 F	7.6 F	1.3 F	27	4.99 F	10.2	4.4 F	6.3 F	4.6 F	6.1 F	9.1 F	4 F	4.9 F	5.4 F
cobalt		60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	3.4 F	U	U	2.1 F	2.5 F	U	U	4.8 F	U	U	U	U	12.3	U	U	2.4 F	4.0 F	U	2.5 F	U	U	U	2.3 F
iron	300	200	U	3,190	U	322	23 F	691	U	630	2,360	5.8 F	26 F	440	U	1,450	U	534	8.1 F	2,160	U	778	278	U	10 F	480
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	14,900	16,200	15,900	15,800	18,000	15,000	18,000	17,000	20,000	19,000	23,000	23,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
manganese	300	10	0.5 F	95	U	37	U	30	U	30	120	U	U	46	2.4 F	99 F	9.05 F	80	U	88	1.9 F	84	74	4.7 F	U	42
molybdenum	-	15	1.8 F	3 F	U	U	U	U	U	U	U	U	U	U	U	1.8 F	U	U	U	U	U	U	U	U	U	U
nickel	100	20	3.1 F	12.8 F	U	3.26 F	1.6 F	3.6 F	U	3.1 F	3.5 F	U	U	2.3 F	U	2.7 F	2.34 F	3.81 F	1.4 F	2.4 F	U	2.4 F	U	U	1.4 F	1.9 F
potassium		1,000	685 F	1,300	683 F	839 F	670 F	780 F	770 F	820 F	1,300	750 F	910	1,000	2,290	2,500	2,000	2,200	1,900	2,100	2,500	2,600	2,800	2,700	2,900	2,900
selenium	10	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	10,800	11,600	9,750	9,870	7,600	7,300	7,000	6,800	11,000	10,000	15,000	15,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
thallium	0.5	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	3.7 F	U	0.86 F	U	1.1 F	U	1.6 F	3.7 F	U	U	1.2 F	U	1.8 F	U	U	U	1.4 F	0.80 F	1.3 F	U	U	U	0.82 F
zinc	2,000	20	4.2 F	10 F	12.9 F	24.9 B	4.8 F	6.8 F	U	U	10 F	U	12 F	49 B	6.6 F	8.9 F	30.3 B	35.4 B	8.8 F	9.1 F	U	6.9 F	U	U	37 B	33 B
Landfill Indicators (mg/L)																										
alkalinity, Total		10	148 B		130		120		110		110		100		142		140		150		120		116		130	
ammonia	2	0.2	U		U		U		U		0.025 F		U		U		U		U		U		0.024 F		U	
BOD5		2.4	U		U		UJ		U		U		U		U		U		UJ		U		U		U	
bromide	2	0.5	U		0.611 F		U		U		U		U		U		0.092 F		0.041 F		0.18 F		0.20 F		0.20 F	
COD	--	5	U		U		U		13		15 B		U		27.4		7.1 F		9.4 F		17		15 B		6.3 F	
chloride	250	1	15.1 B		44		34		52		86		110		377		498		[illegible]		[illegible]		[illegible]		[illegible]	
color	15	5	30		NA		NA		NA		U		NA		60		NA		NA		NA		U		NA	
cyanide, Total	200	0.02	U		NA		NA		NA		U		NA		0.0076 F		NA		NA		NA		U		NA	
hardness, Total		1	260		210		150		190		240		220		690		520		430		720		770		410	
nitrate	10	1	4.7		3.3		3.0		2.7		3.3		2.6		4.4		3.4		3.0		4.1		3.3		3.4	
TKN	1	1	U		U		U		0.14 F		0.083 F		0.22		U		U		0.084 F		0.18 F		0.21 B		0.12 F	
sulfate	250	1	7 B		6.3		6.4		5.6		6.2		9.9		43		41		34		40		52		40	
TDS	500	10	254		260		250		260		390		510		1,770		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
TOC		1	1		0.46 F		0.54 F		U		U		0.7		0.83 F		0.63 F		0.66 F		0.43 F		0.61 F		0.83 F	
phenolics, Total		0.005	U		U		U		U		U		0.0018 F		U		U		U		U		U		U	

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
+ =Duplicate value was used.
UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[box] = Value exceeded NYSDEC Groundwater standard.

Table 6-3
Landfill 6 AOC Groundwater

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-20R											
Date of Collection			6/28/2006		9/18/2006		12/11/2006		4/11/2007		6/20/2007		9/20/2007	
Sample ID No.			775VM20R110AA		775VM20R110BB		775VM20R110CA		775VM20R110DA		775VM20R110EA		775VM20R110FA	
Depth to Water (ft)			65.15		65.20		64.22		63.33		62.95		64.48	
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U		U		U		U		U		U	
1,1-dichloroethane	5*	1	U		U		U		U		U		U	
1,2-dichloroethane	0.6	1	U		U		U		U		U		U	
1,4-dichlorobenzene	3	0.5	U		U		U		U		U		U	
acetone	50	10	U		U		U		U		U		U	
benzene	1	0.1	U		U		U		U		U		U	
carbon disulfide	1,000	0.5	U		U		U		U		U		U	
chloroform	7	0.5	U		U		U		U		U		U	
chloromethane	5*	1	U		U		UJ		U		U		U	
cis-1,2-dichloroethene	5*	1	U		U		U		U		U		U	
dichlorodifluoromethane	5*	1	U		U		U		U		U		U	
hexachlorobutadiene	0.5*	0.8	U		U		U		U		U		U	
methylene chloride	5*	1	U		U		0.180 F		U		U		U	
m,p-xylene	5*	2	U		U		U		U		U		U	
trichloroethene (TCE)	5*	1	U		U		U		U		U		U	
trans-1,2-dichloroethene	5*	1	U		U		U		U		U		U	
trichlorofluoromethane	5*	1	U		U		U		U		0.140 F		U	
vinyl chloride	2	1	U		U		U		U		U		U	
xylenes, Total	–	1.5	U		U		U		U		U		U	
Total VOCs (µg/L)			0		0		0.18		0		0.14		0	
Metals (µg/L) (Dissolved / Total)*														
aluminum	2,000	200	53 F	111	U	109 F	U	180	U	470	U	410	U	130
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	40.2 F	44.1 F	37.9 F	39.2 F	45 F	47 F	41 F	43 F	38 F	41 F	41 F	41 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	40	39.4	NA	NA	NA	NA	NA	NA	43	44	NA	NA
cadmium	5	5	U	0.3 F	U	U	U	U	U	U	U	U	U	U
calcium		1,100	50,200	53,500	47,500	48,500	48,000	49,000	42,000	49,000	50,000	51,000	58,000	58,000
chromium	50	10	U	1.5 F	2.28 F	3.79 F	4.4 F	4.3 F	4.2 F	3.7 F	3.2 F	5.5 F	3.9 F	3.6 F
cobalt		60	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	2.1 F	U	U	2.4 F	2.9 F	U	3.2 F	U	U	U	U
iron	300	200	27.4 F	801	41.3 F	[illegible]	57 F	440	33 F	400	35 F	[illegible]	33 F	100 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	24,000	26,200	23,700	23,700	24,000	25,000	24,000	24,000	25,000	28,000	28,000	27,000
manganese	300	10	477	833	467	484	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
molybdenum	-	15	2.3 F	2.5 F	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	2.6 F	2.7 F	U	1.4 F	U	U	U	U
potassium		1,000	1,530	1,900	1,450	1,530	1,500	1,600	1,500	1,700	1,300	1,700	1,700	1,700
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	1.4 F	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	24,300	24,000	24,400	24,600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	1.6 F	U	U	U	1.5 F	0.70 F	1.6 F	U	U	U	U
zinc	2,000	20	2.4 F	9.0 F	15.0 F	15.5 F	6.1 F	6.3 F	4.4 F	4.9 F	17 F	U	34 B	29 B
Leachate Indicators (mg/L)														
alkalinity, Total	–	10	219		180		180		180		180		180	
ammonia	2	0.2	0.012 F		0.035 F		U		0.020 F		0.019 F		0.013 F	
BOD5	--	2.4	UJ		U		UJ		U		U		U	
bromide	2	0.5	U		0.011 F		U		U		U		0.022 F	
COD	–	5	17.8		16 B		U		13		17		U	
chloride	250	1	51.1		90		57		58		71		83	
color	15	5	15		NA		NA		NA		U		NA	
cyanide, Total	200	0.02	0.0076 F		NA		NA		NA		U		NA	
hardness, Total	–	1	213		200		230		220		230		220	
nitrate	10	1	1		U		0.013 F		0.21		0.041 F		0.019	
TKN	1	1	0.12 F		0.084 F		0.42		0.13 F		U		U	
sulfate	250	1	39.4		43		39		39		40		37	
TDS	500	10	348		360		370		330		410		290	
TOC		1	0.73 F		U		0.33 F		0.44 F		1.6		0.61 F	
phenolics, Total	–	0.005	U		U		U		U		U		U	

Location of Well	LF6MW-1											
Date of Collection	6/28/2006		9/18/2006		12/11/2006		4/9/2007		6/20/2007		9/27/2007	
Sample ID No.	LF6MD168AA		LF6MD168BB		LF6MD168CA		LF6MD168DA		LF6MD168EA		LF6MD168FA	
Depth to Water (ft)	63.18		65.31		62.19		61.18		60.97		62.46	
VOCs (µg/L)												
1,1,1-trichloroethane	U		U		U		U		U		U	
1,1-dichloroethane	U		U		U		U		U		U	
1,2-dichloroethane	U		U		U		U		U		U	
1,4-dichlorobenzene	U		U		U		U		U		U	
acetone	1.1 F		U		U		1.00 F		U		U	
benzene	U		U		U		U		U		U	
carbon disulfide	U		U		U		U		U		U	
chloroform	U		U		U		U		U		U	
chloromethane	U		U		UJ		U		U		U	
cis-1,2-dichloroethene	U		U		U		U		U		U	
dichlorodifluoromethane	U		U		U		UM		U		U	
hexachlorobutadiene	U		U		U		U		U		U	
methylene chloride	U		U		0.330 F		U		U		U	
m,p-xylene	U		U		U		U		U		U	
trichloroethene (TCE)	U		U		U		U		U		U	
trans-1,2-dichloroethene	U		U		U		U		U		U	
trichlorofluoromethane	U		U		U		U		U		U	
vinyl chloride	U		U		U		U		U		UJ	
xylenes, Total	U		U		U		U		U		U	
Total VOCs (µg/L)	1.1		0		0.33		1		0		0	
Metals (µg/L) (Dissolved / Total)*												
aluminum	33.5 F	94.6 F	U	80.8 F	U	U	U	U	U	U	U	U
antimony	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	U	U	U	U	U	U	U	U	U	U	U	U
barium	1 F	54.3	94.2	93.8	64	66	69	70	36 F+	37 F	56+	56+
beryllium	U	U	U	U	U	U	U	U	U	U	U	U
boron	20.7 J	19.7 J	NA	NA	NA	NA	NA	NA	14+	15+	U	U
cadmium	U	2.4 F	U	0.73 F	U	U	U	U	U	U	U	U
calcium	65,300	149,000	216,000	217,000	150,000	150,000	150,000	150,000	71,000+	76,000	110,000	110,000
chromium	2.3 F	11.1	4.31 F	33.2	7.5 F	7.7 F	9.5 F	12	6.7 F+	11	4.5 F	5.4 F+
cobalt	1 F	U	U	U	U	U	U	U	U	U	U	U
copper	U	6.1 F	U	U	3.1 F	U	U	U	U	U	U	U
iron	18.5 F	104 F	U	117 F	20 F	28 F	11 F	17 F	9.8 F	26 F	8.7 F	22 F
lead	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	37,000 J	23,100 J	41,200	46,300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
manganese	6.7 F	6.2 F	U	4 F	U	U	U	U	U	1.6 F	U	U
molybdenum	4 F	U	U	U	U	U	U	U	U	U	U	U
nickel	124.1	4.2 F	U	2.15 F	2.6 F	1.9 F	U	2.1 F	U	U	U	1.2 F+
potassium	1,490	2,830	3,650	3,710	3,000	2,900	3,000	3,100	2,000	2,200	2,700	2,800+
selenium	U	U	U	U	U	U	U	U	U	U	U	U
silver	U	1.1 F	U	U	U	U	U	1.0 F	U	U	U	U
sodium	33,000	272,000	483,000	573,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
thallium	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	U	U	U	U	U	U	U	0.93 F	U	U	U	U
zinc	U	18.9 F	17.1 F	30.0 B	8.4 F	4.6 F	U	U	U	U	47 B	60 B
Leachate Indicators (mg/L)												
alkalinity, Total	251		250 J		330		360		400+		340	
ammonia	0.039 F		U		U		U		0.028 F+		U	
BOD5	UJ		U		UJ		U		U		U	
bromide	U		0.23 F		0.12 F		0.24 F		0.18 F+		0.26 F	
COD	U		14 B		24 B		19 J		20 J		28 J	
chloride	3.6		1,300 M		[illegible]		[illegible]		[illegible]		[illegible]	
color	[illegible]		NA		NA		NA		U		NA	
cyanide, Total	0.0076 F		NA		NA		NA		0.012 F		NA	
hardness, Total	444		740		520		530		260		360	
nitrate	[illegible] F		0.83 F		0.87		1.6		0.94 F		1.0	
TKN	0.49		U		0.11 F		0.23		0.10 F+		0.10 F+	
sulfate	6.1		45		50		55 M		49+		72+	
TDS	156		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
TOC	1.1		1.6		2.5 B		2.1		2.9		2.0 B+	
phenolics, Total	U		U		U		U		U		0.0025 F+	

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
+=Duplicate value was used

UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[shaded box] = Value exceeded NYSDEC Groundwater standard.

Table 4-3
Landfill 6 AOC Groundwater Analytical Results

Table 4-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R3					LF6MW-12				
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007	6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007
Sample ID No.			LF6VM10R230AA	LF6VM10R230BB	LF6VM10R230CA	LF6VM10R230DA	LF6VM10R230EA	LF6M1244AA	LF6M1244BB	LF6M1244CA	LF6M1244DA	LF6M1244EA
Depth to Water (ft)			12.92	13.33	12.37	11.40	12.15	4.40	4.51	3.90	2.90	3.80
VOCs (ug/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	0.65 F	U	0.490 F	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	0.76 F	U	U	U	U
benzene	1	0.1	U	U	U	U	U	0.62	0.47 F	U	0.360 F	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	0.18 F	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	476	264	[illegible]	[illegible]	[illegible]
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	UJ	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	4.89 F
m,p-xylene	5*	2	U	U	U	U	U	U	U	2.50 F	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	1,100	943	1,040 J	811 J	892
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	16	12.8	[illegible]	4.7 F	[illegible]
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	2.7	2.4	U	1.27	U
xylenes, Total		1.5	U	U	U	U	U	U	U	2.50 F	U	U
Total VOCs (ug/L)			0.18	0	0	0	0	1,990.88	1,323.30	1,348.75	1,040.88	893.00

Metals (ug/L) (Dissolved / Total)	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R3 6/29/2006 Dissolved	LF6VMW-10R3 6/29/2006 Total	LF6VMW-10R3 9/19/2006 Dissolved	LF6VMW-10R3 9/19/2006 Total	LF6VMW-10R3 12/13/2006 Dissolved	LF6VMW-10R3 12/13/2006 Total	LF6VMW-10R3 4/13/2007 Dissolved	LF6VMW-10R3 4/13/2007 Total	LF6VMW-10R3 6/21/2007 Dissolved	LF6VMW-10R3 6/21/2007 Total	LF6MW-12 6/29/2006 Dissolved	LF6MW-12 6/29/2006 Total	LF6MW-12 9/19/2006 Dissolved	LF6MW-12 9/19/2006 Total	LF6MW-12 12/13/2006 Dissolved	LF6MW-12 12/13/2006 Total	LF6MW-12 4/17/2007 Dissolved	LF6MW-12 4/17/2007 Total	LF6MW-12 6/25/2007 Dissolved	LF6MW-12 6/25/2007 Total
aluminum	2,000	200	57.7 F	[illegible]	U	1,060	U	[illegible]	U	[illegible]	U	1,300	58.2 F	80.8 F	U	55.1 F	U	U	45 F	U	U	U
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	3.3 F	18.1 F	2.50 F	8.19 F	2.4 F	13 F	1.4 F	1.4 F	2.2 F	8.2 F	3.9 F	3.4 F	2.59 F	3.13 F	2.1 F	3.7 F	2.7 F	2.1 F	2.8 F	2.9 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	13.9	13.1	NA	NA	NA	NA	NA	NA	7.8 F	8.5 F	120	115	NA	NA	NA	NA	NA	NA	100	110
cadmium	5	5	U	0.3 F	U	U	U	U	U	U	U	U	U	0.7 F	U	U	U	U	U	U	U	U
calcium		1,100	25,700	26,300	26,800	27,900	26,000	27,000	25,000	29,000	26,000	27,000	124,000	120,000	127,000	130,000	130,000	130,000	120,000	120,000	120,000	120,000
chromium	50	10	1.6 F	4.9 F	U	U	U	3.9 F	U	4.3 F	2.3 F	3.3 F	U	1.1 F	2.43 F	3.43 F	3.0 F	3.4 F	6.1 F	2.4 F	3.6 F	4.0 F
cobalt		60	U	1.6 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	8.8 F	U	3.31 F	2.4 F	9.8 F	U	7.6 F	U	4.0 F	2.4 F	18	U	7.29 F	U	4.2 F	U	3.4 F	U	U
iron	300	200	21.9 F	4,818	U	3,840	5.3 F	3,360	110 F	3,800	9.7 F	3,000	19 F	228	38.8 F	139	37 F	51 F	16 F	46 F	10 F	15 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	5.3 F	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	6,850	7,450	6,970	7,480	7,300	7,900	6,600	8,100	4,900	7,500	30,000	28,500	28,600	29,000	27,000	27,000	25,000	25,000	25,000	25,000
manganese	300	10	2.3 F	194	U	74.2	U	140	U	160	U	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
molybdenum		15	U	U	U	U	U	U	U	U	U	U	14 F	U	U	U	U	U	U	U	U	U
nickel	100	20	U	3.9 F	U	1.92 F	U	3.0 F	U	2.4 F	U	1.8 F	3.7 F	2.5 F	U	U	U	1.3 F	U	U	U	1.3 F
potassium		1,000	842 F	1,850	837 F	973 F	620 F	1,400	500 F	1,600	670 F	1,100	4,990	6,720	5,110	5,440	4,900	5,600	5,300	5,270	4,600	4,700
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.2 F	5.9 F	U	U	U	U
silver	50	10	U	U	1.11 F	0.93 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.4 F
sodium	20,000	1,000	3,390 J	2,010 J	2,310	2,240	2,400	2,400	2,300	2,500	3,300	2,400	18,000	15,300	16,200	16,600	17,000	17,000	18,000	18,000	18,000	18,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium		10	U	5.9 F	0.89 F	2.59 F	U	4.7 F	0.81 F	4.8 F	U	2.4 F	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	3.4 F	14.9 F	33.4 B	33.4 B	13 F	24	U	16 F	U	7.7 F	11.5	9.5 F	20.2 B	24.5 B	3.4 F	7.0 F	8.5 F	21 F	U	U

Leachate Indicators (mg/L)	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R3 6/29/2006	LF6VMW-10R3 9/19/2006	LF6VMW-10R3 12/13/2006	LF6VMW-10R3 4/13/2007	LF6VMW-10R3 6/21/2007	LF6MW-12 6/29/2006	LF6MW-12 9/19/2006	LF6MW-12 12/13/2006	LF6MW-12 4/17/2007	LF6MW-12 6/25/2007
alkalinity, Total	--	10	93 B	84	89	82	83	431	330	340	330	320
ammonia	2	0.2	U	0.023 F	U	U	0.023 F	0.013 F	0.031 B	0.041 F	0.071	0.078
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U
bromide	--	0.5	U	U	U	U	U	U	0.09 F	U	0.15	0.10 F
COD	--	5	12 B	9.2 F	U	19	11 B	U	U	16	13 B	24 B
chloride	250	1	2.7	2.5	2.1	2.1	2.4	38	44	49	49	55
color	15	5	3.00	NA	NA	NA	U	13	NA	NA	NA	U
cyanide, Total	200	0.02	U	NA	NA	NA	U	U	NA	NA	NA	U
hardness, Total		1	88.7	130	100	96	92	212	470	420	410	400
nitrate	10	1	0.29 F	0.24 F	0.47	0.17	0.16 B	0.05 F	U	U	U	U
TKN	--	1	0.076 F	U	U	0.076 F	U	U	0.082 F	0.039 F	U	0.058 F
sulfate	250	1	10.9	13	11	12	13	56.9	59	55	53	60
TDS	500	10	148	130	140	70	130	844	536	[illegible]	[illegible]	[illegible]
TOC		1	0.45 F	U	0.75 F	U	0.74 F	2.2	1.7	2.0	1.6	1.5
phenolics, Total		0.005	U	U	U	U	U	U	U	U	U	U

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
* = Duplicate value was used.
UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[shaded box] = Value exceeded NYSDEC Groundwater standard.

Table 6-3
Landfill 6 AOC Groundwater Analytical Results

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-170						LF6VMW-178					
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/13/2007	6/21/2007	9/28/2007	6/28/2006	9/18/2006	12/15/2006	4/13/2007	6/21/2007	9/28/2007
Sample ID No.			LF6VM17D-6AAA	LF6VM17D-6BBB	LF6VM17D-6CCA	LF6VM17D-6DDA	LF6VM17D-6EEA	LF6VM17D-6FFA	LF6VM17813AA	LF6VM17812BB	LF6VM17812CA	LF6VM17812DA	LF6VM17812EA	LF6VM17812FA
Depth to Water (ft)			13.04	13.41	11.22	9.38	12.18	14.25	–	12.36	9.37	7.77	11.08	13.40
VOCs (ug/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.1 F	1.2 F	U	U	U	U	1.3 F	U	U	1.70 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	UJ	U	UJ	UJ
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.42 F	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	–	1.5	U	U	U	U	U	U	U	U	U	U	U	U
Total VOC's (ug/L)			1.1	1.54	0	0	0	0	1.3	0	0	1.7	0	0

Metals (ug/L) (Dissolved / Total)[a]	NYSDEC Class GA Groundwater Standards	Reporting Limit	170 6/28/2006 D	170 6/28/2006 T	170 9/18/2006 D	170 9/18/2006 T	170 12/12/2006 D	170 12/12/2006 T	170 4/13/2007 D	170 4/13/2007 T	170 6/21/2007 D	170 6/21/2007 T	170 9/28/2007 D	170 9/28/2007 T	178 6/28/2006 D	178 6/28/2006 T	178 9/18/2006 D	178 9/18/2006 T	178 12/15/2006 D	178 12/15/2006 T	178 4/13/2007 D	178 4/13/2007 T	178 6/21/2007 D	178 6/21/2007 T	178 9/28/2007 D	178 9/28/2007 T
aluminum	2,000	200	46.4 F	555	U	146 F	U	U	U	U	U	U	U	U	331 B	341	290	1,650	720	760	900	1,000	790	990	470	1,300
antimony	3	50	U	U	U	U	U	U	10 F	U	U	U	U	U	U	U	U	U	U	U	U	1.8 F	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	8.8 F	10.1 F	9.39 F	8.70 F	10 F	9.4 F	13 F	13 F	9.4 F	9.3 F	8.5 F	8.0 F	76.6	71.2	86.2	87.8	110	120	64	64	88	87	81	85
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.47 F	0.72 F	0.64 F	0.62 F	0.57 F	0.50 F	0.45 F	0.57 F	0.67 F
boron	1,000	110	11	10.8	NA	NA	NA	NA	NA	NA	4.8 F	7.2 F	NA	NA	12.3 J	7.9 F	NA	NA	NA	NA	NA	NA	6.7 F	5.5 F	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	1.9 F	1.9 F	1.84 F	U	3.9 F	3.5 F	4.3 F	3.8 F	3.2 F	3.0 F	2.7 F	2.8 F
calcium	--	1,100	28,000	30,900	35,000	34,600	33,000	33,000	46,000	45,000	34,000	33,000	31,000	30,000	11,900	11,600	10,500	10,800	9,100	9,300	8,500	8,500	8,500	8,400	8,000	7,900
chromium	50	10	4.9 F	9.8 B	U	6.83 F	2.6 F	2.7 F	1.8 F	1.6 F	2.6 F	3.5 F	2.2 F	2.3 F	0.5 F	1.1 F	U	1.77	U	U	1.8 F	1.4 F	U	U	U	6.2 F
cobalt	-	40	U	U	U	U	U	U	U	U	U	U	U	U	0.1 F	0.2 F	U	7.49 F	8.4 F	6.4 F	U	U	U	U	8.8 F	9.3 F
copper	200	10	U	9.2 F	U	U	3.4 F	3.6 F	U	U	U	U	U	U	U	2.2 F	U	2.55 F	4.0 F	6.2 F	3.2 F	3.6 F	U	2.1 F	U	3.4 F
iron	300	200	U	811	U	96.6	7.2 F	42 F	U	U	U	U	U	U	18 F	128 F	14.6 F	2,170	[redacted]	2,000	79 F	210	19 F	39 F	110 F	3,600
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	7,870	8,420	9,580	9,260	10,000	10,000	12,000	12,000	9,400	9,400	9,400	9,100	1,860	1,900	1,820	2,050	1,800	1,800	1,800	1,800	1,900	1,800	1,600	1,700
manganese	300	10	0.3 F	35.4	U	3.30 F	U	U	U	U	U	U	U	U	524	438	291	334	[redacted]	340	130	120	230	220	540	530
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	9.9 F	U	U	2.8 F	1.8 F	U	U	U	U	U	U	12.9 F	12.8 F	13.4 F	21.5	7.6 F	9.1 F	3.7 F	3.5 F	1.7 F	1.7 F	19 F	19 F
potassium	--	1,000	1,190	1,420	743 F	801 F	700 F	660 F	830 F	760 F	740 F	820 F	720 F	750 F	337 F	270 F	380 F	789 F	220 F	210 F	U	U	U	U	230 F	120 F
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	1.0 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	2,320	1,910	1,780	1,780	1,800	1,700	1,800	1,800	1,900	2,000	2,000	2,100	2,520 J	1,850 J	2,280	2,090	1,500	1,000 B	1,300	1,300	1,400	1,400	1,400	1,300
thallium	0.5	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	–	10	U	1.4 F	U	U	U	U	0.72 F	0.71 F	U	U	U	U	U	U	U	2.36 F	U	U	U	U	U	U	U	U
zinc	2,000	20	U	6.4 F	12.8 F	17.1 F	7.7 F	9.3 F	U	U	U	U	40 B	51 B	13.5 F	12.4 F	34.2 B	52 B	31	39 B	31	33	24	27	69 B	59 B

Leachate Indicators (mg/L)	NYSDEC Class GA Groundwater Standards	Reporting Limit	170 6/28/2006	170 9/18/2006	170 12/12/2006	170 4/13/2007	170 6/21/2007	170 9/28/2007	178 6/28/2006	178 9/18/2006	178 12/15/2006	178 4/13/2007	178 6/21/2007	178 9/28/2007
alkalinity, Total	-	10	110	130	130	130	110	100	3.9 F	U	U	U	U	U
ammonia	2	0.3	U	U	U	U	0.026 F	U	U	U	0.10	0.014 F	0.041 F	0.034 F
BOD5		2.4	U	U	U	U	U	U	UJ	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U
COD	-	5	U	U	9.4 F	10	8.5 F	U	12.3	14 B	24 B	20	17 B	20
chloride	250	1	2.9	3	2.5	2.3	2.4	2.1	1.9	0.66 F	0.46 F	0.78 F	0.72 F	0.77 F
color	15	5	[redacted]	NA	NA	NA	U	NA	U	NA	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	0.0076 F	NA	NA	NA	U	NA
hardness, Total		1	99.5	130.0	130	160	120	76	31.9	80 B	38	72	28	U
nitrate	10	1	0.13 F	0.18 F	0.18	0.21	0.18 B	0.15 B	1	1.1	1.3	1.3	1.6	1.0
TKN	1	1	0.38	U	U	U	U	U	0.058 F	0.19 F	0.31 F	0.18 F	0.11 F	0.33
sulfate	250	1	7.8	8.3	8.2	8.6	8.5	8.2	33.9	33	30	25	25	24
TDS	500	10	135	130	150	170	150	140	87	100	87	50	60	63
TOC	-	1	0.44 F	0.72 F	0.87 F	0.97 F	0.54 F	0.71 F	2.5	3.0	5.5	4.3	3.7 B	5.5
phenolics, Total	--	0.005	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
++Duplicate value was used.

UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present; the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[ ] = Value exceeded NYSDEC Groundwater standard

Table 6-3
Landfill 6 AOC Groundwater Analytical Results

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-18						LF6VMW-19					
Date of Collection			8/28/2006	9/18/2006	12/12/2006	4/13/2007	6/21/2007		8/28/2006	9/18/2006	12/13/2006	4/13/2007	6/26/2007	9/25/2007
Sample ID No.			LF6VMH08AA	LF6VMH09EB	LF6VMH09CA	LF6VMH09DA	LF6VMH09EA		LF6VMH06AA	LF6VMH06EB	LF6VMH06CA	LF6VMH06DA	LF6VMH06EA	LF6VMH06FA
Depth to Water (ft)			11.28	11.67	10.88	9.61	10.31		9.03	9.39	8.51	7.03	7.65	9.03
VOCs (ug/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U		U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U		U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U		U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U		U	U	U	U	U	U
acetone	50	10	U	U	U	U	U		1 J	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U		U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U		U	U	U	U	U	U
chloroform	7	0.5	U	U	U	U	U		U	1.07	0.290 J	0.100 J	0.850	1.450
chloromethane	5*	1	U	U	U	U	U		U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U		U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U		U	U	UJ	U	U	U
hexachlorobutadiene	0.5*	0.8	U	U	U	U	U		U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U		U	U	U	U	U	0.120 J
m,p-xylene	5*	2	U	U	U	U	U		U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U		U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U		U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U		U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U		U	U	U	U	U	UJ
xylenes, Total	--	1.5	U	U	U	U	U		U	U	U	U	U	U
Total VOCs (ug/L)			0	0	0	0	0		1	1.07	0.39	0.1	0.850	1.570
Priority Pollutant Metals (ug/L)														
aluminum	2,000	200	50.3 J	1,840	U	155 J	1,370	U	120 J	U	100 J	54.6 J	3,000	U	258	U	180 J	99 J	99 J	U	140 J	U	U
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	253	248	266	265	250	260	260	270	270	270	19.4 J	40 J	23.4 J	26.6 J	24 J	26 J	25 J	24 J	31 J	33 J	41 J	42 J
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	19 J	19 J	NA	NA	NA	NA	NA	NA	NA	NA	14	13	12.4 J	9.9 J	NA	NA	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.44 J	U	U	U	U	U
calcium	--	1,100	78,800	79,500	79,300	79,900	80,000	81,000	79,000	81,000	81,000	82,000	38,000	U	36,600	37,600	57,000	59,000	66,000	65,000	41,000	41,000	42,000	42,000
chromium	50	10	U	8.2 J	2.27 J	8.14 J	5.1 J	7.8 J	6.4 J	5.2 J	5.3 J	5.7 J	0.9 J	69	3.13 J	20.4	2.4 J	3.1 J	21	19	4.8 J	67	6.2 J	11.6
cobalt	--	50	U	U	U	U	U	U	U	U	U	U	U	5.9 J	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	13.7	U	U	2.6 J	6.3 J	U	U	U	U	U	30.9	U	U	3.8 J	6.4 J	U	U	U	2.4 J	U	9.2 J
iron	300	200	U	2,860	29.9 J	279	44 J	1,400	49 J	280	5.2 J	280	18.5 J	7,640	U	843	1.7 J	630	160 J	180 J	5.8 J	830	5.2 J	230
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	36,000	36,400	41,000	41,100	41,000	42,000	40,000	42,000	42,000	42,000	4,100	5,620	15,000	15,000	9,300	8,900	9,300	8,900	23,000	23,000	24,000	24,000
manganese	300	10	85	182	115	121	110	141	125	135	120	130	2.2 J	310	U	22.4	U	31	8.2 J	8.4 J	U	21	U	9.2 J
molybdenum	--	15	11 J	U	U	U	U	U	U	U	U	U	U	U	U	4.2 J	U	U	U	U	U	U	U	U
nickel	100	20	U	5.9 J	1.3 J	1.3 J	2.7 J	U	U	U	U	U	11.1 J	5.8 J	2.24 J	9.52 J	2.2 J	11	3.2 J	5.5 J	2.9 J	6.4 J	2.4 J	4.5 J
potassium	--	1,000	2,010	2,080	1,540	1,690	1,700	1,700	1,800	1,800	1,800	1,800	554 J	1,750	797 J	933 J	680 J	720 J	760 J	670 J	750 J	780 J	910 J	870 J
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	1.1 J	U	U	1.2 J	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	12,300 J	9,780 J	13,000	13,500	16,000	16,000	16,000	18,000	20,000	20,000	2,900 J	1,490 J	16,300	16,100	6,300	5,400	4,300	4,300	22,000	21,000	20,000	20,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	2.8 J	U	U	U	U	U	0.83 J	U	U	U	9.6 J	U	U	U	1.5 J	0.81 J	U	U	U	U	0.90 J
zinc	2,000	20	4.9 J	7.8 J	14.9 J	17.4 J	4.4 J	5.6 J	U	U	U	U	4.4 J	18.8 J	24.7 J	12.2 J	4.7 J	5.3 J	U	6.1 J	13 J	11 J	U	U
Leachate Pollutants (ug/L)														
alkalinity, Total	--	10	274		260		250		270		106		110		130		140		92		120			
ammonia	2	0.2	U		U		U		0.016 J		0.036 J		U		U		U		0.025 J		U			
BOD5	--	2.4	1.3		U		U		U		U		U		U		U		U		U			
bromide	2	0.5	U		0.044 J		U		U		0.018 J		U		0.014 J		U		U		0.044 J			
COD	--	5	14		U		9.4 J		13		8.5 J		0.0074 J		5 J		9.4 J		10		8.2 J		U	
chloride	250	1	64		65		65		63		62		3.4		46		10		60		90		100	
color	15	3	20		NA		NA		NA		U		40		NA		NA		NA		U		NA	
cyanide, Total	200	0.02	0.0076 J		NA		NA		U		0.0076 J		NA		NA		NA		NA		U		NA	
hardness, Total	--	1	319		410		380		360		370		115		180		180		200		180		170	
nitrate	10	1	0.555		0.148		0.092 J		0.11		0.24		0.53 J		1.6		0.95		0.87		1.4		1.6	
TKN	1	1	0.15 J		0.081 J		0.070 J		U		U		0.16 J		U		U		U		0.089 J		0.078 J	
sulfate	250	1	46.5		58		52		49		54		15.6		23		42		43		20		15	
TDS	500	10	420		480		470		420		520		150		230		250		220		370		350	
TOC	--	1	U		0.72 J		1.1		0.56 J		1.3 B		0.65 J		0.5 J		1.2		1.9		U		0.47 J	
phenolics, Total	--	0.005	U		U		U		U		U		U		U		U		U		U		0.0011 J	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
J = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J- = The analyte was positively identified but the quantitation is an approximation.
M = A matrix effect was present
U = The analyte was analyzed for but not detected. The associated numerical value is at or below the method detection limit
+=Duplicate analysis was unacceptable

UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[redacted] = Values exceeded NYSDEC Groundwater standard

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-20												LF6VMW-21											
Date of Collection			6/28/2006		9/18/2006		12/12/2006		4/11/2007		6/28/2007		9/27/2007		6/28/2006		9/18/2006		12/13/2006		4/11/2007		6/28/2007		9/27/2007	
Sample ID No.			LF6VM2064AA		LF6VM2064BB		LF6VM2064CA		LF6VM2064DA		LF6VM2064EA		LF6VM2064FA		LF6VM2175AA		LF6VM2175BB		LF6VM2175CA		LF6VM2175DA		LF6VM2175EA		LF6VM2175FA	
Depth to Water (ft)			11.04		11.40		18.25		8.57		9.38		4.78		43.39		43.41		42.48		41.39		41.35		42.68	
VOCs (µg/L)																										
1,1,1-trichloroethane	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
1,1-dichloroethane	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
1,2-dichloroethane	0.6	1	U		U		U		U		U		U		U		U		U		U		U		U	
1,4-dichlorobenzene	3	0.5	U		U		U		U		U		U		U		U		U		U		U		U	
acetone	50	10	U		U		U		U		U		U		1.5 F		U		U		U		U		U	
benzene	1	0.1	U		U		U		U		U		U		U		U		U		U		U		U	
carbon disulfide	1,000	0.5	U		U		U		U		U		U		U		U		U		U		U		U	
chloroform	7	0.3	U		U		U		U		U		U		U		0.22 F		0.260 F		U		0.150 F		U	
chloromethane	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
cis-1,2-dichloroethene	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
dichlorodifluoromethane	5*	1	U		U		UJ		U		U		U		U		U		UJ		U		U		U	
hexachlorobutadiene	0.5*	0.4	U		U		U		U		U		U		U		U		U		U		U		U	
methylene chloride	5*	1	U		U		0.140 F		U		U		U		U		0.31 F		0.190 F		U		U		U	
m,p-xylene	5*	2	U		U		U		U		U		U		U		U		U		U		U		U	
trichloroethene (TCE)	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
trans-1,2-dichloroethene	5*	1	U		U		U		U		U		U		U		U		U		U		U		U	
trichlorofluoromethane	5*	1	U		U		U		U		U		U		U		0.11 F		U		U		U		U	
vinyl chloride	2	1	U		U		U		U		U		UJ		U		U		U		U		U		UJ	
xylenes, Total	--	1.5	U		U		U		U		U		U		U		U		U		U		U		U	
Total VOCs (µg/L)			0		0		0.14		0		0		0		1.5		0.64		0.45		0		0.150		0	
Metals (µg/L) (Dissolved / Total)*																										
aluminum	2,000	200	55 F	1,240 B	U	333	U	U	U	99 F	U	71 F	U	U	54.2 F	[illegible]	U	1,210	U	[illegible]	71 F	770	U	170 F	U	170 F
antimony	3	50	U	U	U	U	U	[illegible]	U	U	U	3.8 F	U	2.8 F	U	U	U	U	U	2.4 F	U	U	U	U	U	3.4 F
arsenic	25	30	U	U	U	36	U	U	U	6.7 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	57.6 J	23.5 F	0.56 F	8.01 F	U	3.1 F	0.65 F	3.9 F	U	2.5 F	U	0.79 F	56.9 J	31.7 F	3.13 F	11.8 F	4.0 F	10 F	4.8 F	7.6 F	3.4 F	3.0 F	2.7 F	4.7 F
beryllium	3	4	U	0.7 F	U	U	U	U	U	U	U	U	U	U	U	0.3 F	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	17.0 J	U	NA	NA	NA	NA	NA	NA	11	130	NA	NA	18.8 J	30.8	NA	NA	NA	NA	NA	NA	9.7 F	10	NA	NA
cadmium	5	5	0.7 F	UJ	U	1.41 F	U	U	U	U	U	U	U	U	1.6 F	U	U	U	U	U	1.3 F	U	U	U	U	U
calcium		1,100	150,000 J	78,700 J	82,200	81,500	82,000	80,000	88,000	85,000	71,000	74,000	65,000	65,000	149,000 J	34,200 J	22,900	25,100	18,000	21,700	21,000	21,000	22,000	22,000	23,000	23,000
chromium	50	10	2.7 F	[illegible]	11.9	[illegible]	12	[illegible]	10	[illegible]	8.7 F	[illegible]	14	[illegible]	2.5 F	22.1	U	[illegible]	4.9 F	[illegible]	8.8 F	[illegible]	10	[illegible]	4.4 F	[illegible]
cobalt	-	60	U	180	U	59.4 F	U	14 F	U	21 F	U	21 F	U	15 F	U	3 F	U	U	U	U	6.2 F	U	U	U	U	U
copper	200	10	2.8 F	[illegible]	U	156	U	36	U	32	U	21	U	19	2.2 F	21.7	U	17.3	3.3 F	41	U	5.0 F	U	4.2 F	U	5.2 F
iron	300	200	U	202,000	97.3 F	[illegible]	97 F	[illegible]	67 F	[illegible]	44 F	[illegible]	130 F	[illegible]	U	[illegible]	9.82 F	[illegible]	18 F	[illegible]	20 F	[illegible]	53 F	[illegible]	170	5,100
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	22,600	[illegible]	[illegible]	47,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22,200 J	9,760 J	7,900	8,220	9,300	10,000	8,500	8,400	8,400	8,300	8,800	8,800
manganese	300	10	3.1 F	[illegible]	9.27 F	[illegible]	12	[illegible]	8.8 F	[illegible]	3.8 F	[illegible]	12	200	3.1 F	[illegible]	29.1 F	149	U	[illegible]	U	98	U	12	U	41
molybdenum	-	15	U	172	U	31.4	U	14 F	U	8.2 F	U	5.5 F	U	3.7 F	U	6.6 F	U	8.21 F	U	7.2 F	U	U	1	U	U	3.2 F
nickel	100	20	1.8 F	[illegible]	[illegible]	[illegible]	94	[illegible]	85	[illegible]	44	[illegible]	85	[illegible]	2.7 F	29.4	67.6	[illegible]	23	[illegible]	68	[illegible]	27	51	52	210
potassium		1,000	3,800 J	1,820 J	1,680	1,850	1,800	1,700	2,200	2,100	2,000	2,100	1,900	1,900	2,750 J	2,170 J	516 F	999 F	760 F	1,700	93 F	930 F	590 F	620 F	800 F	800 F
selenium	10	30	U	[illegible]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	1.6 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3,120 J	2,140	1,840	5,100 J	4,100 J	1,700	1,700	1,800	1,600	2,900	2,800
thallium	0.5	80	U	[illegible]	U	[illegible]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium		10	U	175	U	44.4	U	9.6 F	U	9.7 F	U	7.0 F	U	3.7 F	U	8.8 F	U	3.53 F	U	7.6 F	0.67 F	2.5 F	U	2.0 F	U	1.9 F
zinc	2,000	20	21.4	83.2	16.4 F	36 B	6.2 F	12 F	U	8.6 F	U	U	21 B	45 B	17.3 F	47.4	24.8 B	22.1 B	3.0 F	31	U	7.8 F	U	U	53 B	58 B
Leachate Indicators (mg/L)																										
alkalinity, Total	-	10	140		120		130		130		150		180		111		96		92		72		82		89	
ammonia	2	0.2	0.22		0.081		U		U		0.031 F		0.011 F		0.021 F		0.011 F		U		U		0.026 F		U	
BOD5	-	2.4	UJ		U		U		U		U		U		UJ		U		U		U		U		U	
bromide	2	0.5	U		0.077 F		0.044 F		U		0.10 F		U		U		U		U		U		U		U	
COD	-	5	U		9.2 F		5.9 F		17		15		U		U		18 B		16		19		4.3 F		U	
chloride	250	1	[illegible]		[illegible]		[illegible]		[illegible]		470		35		3.8		2.5		1.8		1.9		1.0		2.2	
color	15	5	[illegible]		NA		NA		NA		15		NA		160		NA		NA		NA		U		NA	
cyanide, Total	200	0.02	0.0076 F		NA		NA		NA		0.015 F		NA		0.0078 F		NA		NA		NA		U		NA	
hardness, Total		1	600		450		400		420		340		270		107		100		96		84		83		60	
nitrate	10	1	0.87 F		1.3		1.9		1.4		1.5		0.11		0.73 F		0.87 F		0.77		0.71		0.83		0.85	
TKN	1	1	0.44		0.12 F		U		U		U		0.071 F		0.5		0.075 F		0.071 F		U		U		U	
sulfate	250	1	10		14		16		12		15		11		6		5		4.7		4.9		4.9		4.8	
TDS	500	10	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		148		180		79		100		120		110	
TOC		1	1 B		0.93 F		0.83 F		0.51 F		0.51 F		0.53 F		U		0.34 F		0.88 F		U		U		U	
phenolics, Total		0.005	0.005 F		U		U		U		U		U		U		U		U		U		U		0.0014 F	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
++Duplicate value was used
UJ = The result is estimated at the method detection limit
UM = A matrix effect was present; the analyte was not detected above the method detection limit
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported
[shaded box] = Value exceeded NYSDEC Groundwater standard

Table 6-3
Landfill 6 AOC Groundwater

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6WMW-33						LF6WP06-29					
Date of Collection			8/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007		8/29/2006	9/18/2006	12/12/2006	4/17/2007	6/21/2007	
Sample ID No.			LF6WMD33AA	LF6WMQ33BB	LF6WMQ33CA	LF6WMD33DA	LF6WMQ33EA		LF6WMD34AA	LF6WMD34BB	LF6WMD34CA	LF6WMD34DA	LF6WMD34EA	
Depth to Water (ft)			10.27	14.48	13.54	12.71	13.37		14.16	14.60	13.58	14.44	13.33	
VOCs (ug/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U		U	U	U	U	U	
1,1-dichloroethane	5*	1	U	U	U	U	U		U	U	U	U	U	
1,2-dichloroethane	0.6	1	U	U	U	U	U		U	U	U	U	U	
1,4-dichlorobenzene	3	0.5	U	U	U	0.100 J	1		U	U	U	U	U	
acetone	50	10	U	U	U	U	U		U	U	U	U	U	
benzene	1	0.5	U	U	U	U	U		U	U	1	U	U	
carbon disulfide	1,000	0.5	U	U	U	U	U		U	U	U	U	U	
chloroform	7	0.5	U	U	U	U	U		U	U	U	U	U	
chloromethane	5*	1	U	U	U	U	U		U	U	U	U	U	
cis-1,2-dichloroethene	5*	1	U	U	U	U	U		U	U	U	U	U	
dichlorodifluoromethane	5*	1	U	1	0.7 J	U	U		U	U	0.3 J	1	U	
hexachlorobutadiene	0.5*	0.5	U	U	U	U	U		U	U	U	1	1	
methylene chloride	5*	1	U	U	U	U	0.120 J		U	0.14 J	U	U	U	
m,p-xylene	5*	2	U	U	U	U	U		U	U	U	U	U	
trichloroethene (TCE)	5*	1	U	U	U	U	U		U	U	U	U	U	
trans-1,2-dichloroethene	5*	1	U	U	U	U	U		U	U	U	U	U	
trichlorofluoromethane	5*	1	U	U	U	U	U		U	U	U	U	U	
vinyl chloride	2	1	U	U	U	U	U		U	U	U	U	U	
xylenes, Total	--	1.5	U	U	U	U	U		U	U	U	U	U	
Total VOCs (ug/L)			0	0	0	0.100	0.120		0	0.14	0	0	0	
Metals (mg/L) (Dissolved / Total)														
aluminum	2.000	200	55.8 B	343	U	192 B	57 B	92 B	U	U	46.1 B	433	U	669
antimony	3	50	U	U	U	14.7 B	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	37 B	48 B	39.9 B	49.9 B	14 B	25 B	22 B	16 B	26 B	0.8 B	12.1 B	17.7 B
beryllium	3	4	U	U	U	U	U	U	U	U	U	0.8 B	U	U
boron	1,000	110	199 B	U	NA	NA	NA	NA	NA	NA	78 B	82 B	168	194
cadmium	5	5	U	U	U	U	U	0.71 B	U	U	U	U	0.92 B	U
calcium	--	1,100	48,300	48,800	47,300	48,200	55,000	57,000	29,000	28,000	44,000	43,100	63,700	66,900
chromium	50	10	0.8 B	3.9 B	U	3.9 B	2.9 B	5.2 B	2.4 B	3.9 B	4.3 B	U	6.8 B	U
cobalt	--	40	U	U	U	U	U	U	U	U	U	U	2.3 B	U
copper	200	10	U	2.9 B	U	2.7 B	2.8 B	U	U	2.3 B	U	22.7	U	2.6 B
iron	300	200	U	436	U	319	100	U	58 B	U	64 B	U	4,600	U
lead	25	2.5	U	U	U	U	6	U	U	U	U	U	U	U
magnesium	35,000	1,000	20,700	21,600	21,400	21,600	19,000	18,000	12,000	12,000	10,000	10,000	13,900	15,400
manganese	300	10	2.8 B	34.9	2.39 B	13.3	2.7 B	8.2 B	U	2.7 B	1	1	1.3 B	21.1
molybdenum	--	15	U	U	U	U	4.4 B	U	U	U	U	U	U	U
nickel	100	20	5.4 B	4.4 B	1.18 B	1.93 B	1.4 B	U	U	U	U	U	1	6.1 B
potassium	--	1,000	862 B	870 B	716 B	786 B	490 B	640 B	670 B	567 B	730 B	740 B	772 B	870 B
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	4.1 B	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	9,230	8,960	9,890	9,700	8,500	8,500	4,180	4,000	9,100	8,940	2,820 J	2,610 J
thallium	0.5	10	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	0.68 B	U	U	U	U	U	U	0.95 B	U
zinc	2,000	20	14.7 B	4.8 B	19 B	35.7 B	4.7 B	11 B	U	U	3.8 B	21 B	27.8 B	22.5 B
Inorganics (milligrams/liter)														
alkalinity, Total		10	211		170		190	100	140		205	190	180	160
ammonia	2	0.2	U		U		U	U	0.015 B		U	U	U	U
Bicarb		2.4	U		U		U	U	U		U	U	U	U
bromide	2	0.5	U		0.021 B		U	U	0.025 B		U	0.029 B	U	0.011
COD	--	5	U		U		9.4 B	13.2	15 B		11.6 B	18 B	5.9 B	10 B
chloride	250	1	18.4		20		9.1	4.6	27		2.5	3.0	5.3	6.9
color	15	5	20 J		NA		NA	NA	U		80	NA	NA	NA
cyanide, Total	200	0.02	U		NA		NA	NA	U		U	NA	NA	NA
hardness, Total		1	187		200		150	110	100		23*	230	200	240
nitrate	10	1	0.9 B		0.89 B		0.42	0.29	0.90		0.32 B	0.68 B	0.58	1.9
TKN	1	1	U		U		U	U	U		0.19 B	U	U	0.057 B
sulfate	250	1	18.4		20		16	13	21		46	35	35	85
TDS	500	10	280		240		180	110	270		270	250	210	330
TOC	--	1	0.64 B		0.72 B		0.69 B	U	0.77 B		0.8 B	1.1	0.89 B	0.52 B
chemistry, Total		0.005	U		U		U	U	U		U	U	U	U

Notes:
B = The analyte was found in an associated blank, as well as in the sample
J = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
I = The analyte was positively identified but the quantitation is an approximation
M = A matrix effect was present
U = The analyte was analyzed for but not detected. The associated numerical value is at or below the method detection limit
+=Duplicate value was used

UJ = The result is associated at the method detection limit
UM = A matrix effect was present, the analyte was not detected above the method detection limit
* = Beginning in the June 2006 sampling round each sampling location was analyzed for both dissolved and total metals concentrations
-- = No value reported.
Shaded = Values exceeded NYSDEC Groundwater standard.

Table 6-3
Landfill 6 AOC 6 Groundwater

Table 6-3 (continued)
Landfill 6 AOC 6 Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards/GVs	Reporting Limit	LF6VM18-24						LF6VM18-25					
Date of Collection			6/29/2006	9/19/2006	12/12/2006	4/17/2007	6/21/2007	6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007		
Sample ID No.			LF6VM244BAA	LF6VM244WEB	LF6VM244WCA	LF6VM244WDA	LF6VM244WEA	LF6VM254AAA	LF6VM254WEB	LF6VM254ACA	LF6VM254ADA	LF6VM254AEA		
Depth to Water (ft)			12.33	12.74	11.70	10.85	11.81	3.13	3.72	2.86	1.83	2.85		
VOCs (ug/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U		
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U		
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U		U		
acetone	50	10	U	U	U	U	U	U	U	U	U	U		
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U		
chloroform	*	0.3	U	U	U	U	U	U	U	U	U	U		
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U		
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U		
methylene chloride	0.5*	0.6	U	U	U	U	U	U	U	U	U	U		
methyl tert butyl ether	5*	1	U	U	0.320 J	U	U	U	U	0.290 J	U	U		
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U		
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U		
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U		
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U		
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U		
xylenes, Total	-	1.5	U	U	U	U	U	U	U	U	U	U		
Total VOCs (ug/L)			0	0	0.32	0	0	0	0	0.29	0	0		
Metals (mg/L) Filtered / Total*														
aluminum	2,000	200	6* B F	521	U	58.5 F	U	U	45 F	U	U	U	46.1 F	1,***0
antimony	3	50	U	U	U	U	U	U	U	U	2.0 F	U	U	U
arsenic	25	50	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	183	187	187	180	176	176	180	180	180	87.3	92.6	89.6
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	21.1	17 F	NA	NA	NA	NA	NA	NA	NA	12	18	81.4
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	-	1,100	36,000	34,100	37,300	36,400	33,000	33,000	41,000	41,000	40,000	41,000	145,000	145,000
chromium	50	10	1 F	0 F	1.** F	3.6 F	3.4 F	1.1 F	2.2 F	U	2.* F	U	U	26.1
cobalt	-	50	U	U	U	U	U	U	U	U	U	U	0.8 F	1.7 F
copper	200	10	U	4.0 F	U	U	3.2 F	2.8 F	U	U	U	U	2.3 F	1.4
iron	300	200	41 F	367	U	99 F	11 F	31 F	23 F	33 F	14 F	21 F	U	3,630
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,000	15,000	15,500	15,200	16,000	16,000	18,000	18,000	18,000	19,000	19,500	18,400
manganese	300	10	34.1	49	47.9	48.4	47	47	62	62	46	48	3,430	3,440
molybdenum	100	15	U	U	U	U	U	U	U	U	U	U	U	U
nickel		40	3.3 F	6.8 F	U	U	1.6 F	1.5 F	U	1.3 F	U	U	9.6 F	26 F
potassium		1,000	1,190	1,250	1,970	1,670	1,100	1,100	1,100	1,100	1,000	1,200	4,230	4,330
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	3.2 F	U	U	U	U	U	U	U	1.1 F	U	2.8 F
sodium	20,000	1,000	21,000	20,300	22,600	22,200	23,000	23,000	24,000	24,000	24,000	25,000	17,200	15,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium		10	U	1 F	U	U	U	U	U	U	U	U	U	1.34 F
zinc	2,000	20	5.9 F	8.3 F	10.* F	24.3 B	7.2 F	5.** F	U	U	U	U	8.7 F	10 F
Inorganics (mg/L)														
alkalinity, Total	-	10	138		120		160	120		120			4*8	
ammonia	2	0.2	0.087		0.0*1 B		0.054	0.065		U			0.07*	
BOD5		2.4	U		2.*		U	U		U			U	
bromide	2	0.5	0.**		0.63		0.30	0.50		0.47			U	
COD		5	123 B		9 F		7.3 F	15 B		8.5 F			U	
chloride	250	1	199		110		98	110		113			19	
color	15	5	20		NA		NA	NA		NA			20	
cyanide, Total	200	0.02	U		NA		NA	NA		U			NA	
hardness, Total	--	1	159		180		150	170		180			720	
nitrate	10	1	U		U		U	U		0.040 F			0.01* F	
TKN	1	1	0.081 F		0.07* F		0.18 F	U		1.3			1.1	
sulfate	250	1	24.6		29		28	28		27			26.9	
TDS	500	10	330		330		190	330		330			490	
TOC		1	U		U		0.45 F	0.81 F		0.66 F			3.9	
chemistry, Total	--	0.005	U		U		U	U		U			U	

Notes:
B = The analyte is as found as an associated blank as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
Md = A matrix effect was present
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
*=Duplicate analysis was used

UJ = The result is recognized at the method detection limit
Md = A matrix effect was present. The analyte was not detected above the method detection limit
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
Value exceeded NYSDEC Groundwater standard.

Table 6-3
Landfill 6 AOC Groundwater

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-26						TMCMW-9					
Date of Collection			7/6/2006		9/19/2006	12/13/2006	4/17/2007	6/25/2007	6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	
Sample ID No.			LF6VMW26SRAA		LF6VMW26SRB	LF6VMW26SRCA	LF6VMW26SRDA	LF6VMW26SREA	TMCMW19AA	TMCMW19RB	TMCMW19RCA	TMCMW19RDA	TMCMW19REA	
Depth to Water (ft)			5.38		8.72	4.66	3.89	4.87	2.61	3.28	1.82	1.33	2.56	
VOCs (ug/L)														
1,1,1-trichloroethane	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
1,1-dichloroethane	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
1,2-dichloroethane	0.6	1	U		U	U	U	U	U	U	U	U	U	
1,4-dichlorobenzene	3	0.5	U [M]		U	U	U	U	U	U	U	U	U	
acetone	50	10	U		U	U	U	U	U	U	U	U	U	
benzene	1	0.5	U [M]		U	U	U	U	U	U	U	U	U	
carbon disulfide	1,000	0.5	U		U	U	U	U	U	U	U	U	U	
chloroform	7	0.3	U [M]		U	U	U	U	U	U	U	U	U	
chloromethane	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
cis-1,2-dichloroethene	5*	1	99 [M]		78.2	[redacted]	[redacted]	[redacted]	U	0.12 F	U	U	U	
dichlorodifluoromethane	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
hexachlorobutadiene	0.5*	0.6	U [M]		U	U	U	U	U	U	U	U	U	
methylene chloride	5*	1	U [M]		0.12 F	U	U	1.20 F	U	U	0.120 F	U	U	
m,p-xylene	5*	2	U [M]		U	U	U	U	U	U	U	U	U	
trichloroethene (TCE)	5*	1	U [M]		U	U	1.0*	U	U	U	U	U	U	
trans-1,2-dichloroethene	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
trichlorofluoromethane	5*	1	U [M]		U	U	U	U	U	U	U	U	U	
vinyl chloride	2	1	0.23 [M]		0.83	U	0.810 F	U	U	U	U	U	U	
xylenes, Total	--	1.5	U [M]		U	U	U	U	U	U	U	U	U	
Total VOCs (ug/L)			99.73		78.95	196	92.18	183.38	0	0.12	0.12	0	0	
Chloride (and TIC) Compound (Table 2)														
aluminum	2,800	200	42.4 F	32.2 F	U	153 F	U	49 F	U	U	U	44 F	U	46 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	50	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	131	132	153	150	140	140	150	150	21.8 F	20.8 F	28.8 F	19 F	15 F	16 F	18 F	22 F	20 F
beryllium	3	4	U	0.3 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	74.3	79.8	NA	NA	NA	NA	NA	NA	83	84	87	183	NA	NA	NA	NA	NA	190	190
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	-	1,100	64,500	74,600	66,700	63,800	66,000	66,000	65,000	65,000	58,000	68,000	179,000	174,000	180,000	176,000	170,000	160,000	170,000	170,000	180,000	180,000
chromium	50	10	U	10 F	7.7 F	4.5 F	4.4 F	4.8 F	5.4 F	4.7 F	3.6 F	3.0 F	U	U	2.6 F	3.0 F	5.1 F	4.1 F	4.8 F	2.7 F	5.5 F	7.7 F
cobalt	-	50	U	1.4 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	4 F	U	U	U	2.0 F	U	U	U	U	U	U	U	U	2.8 F	2.3 F	U	U	U	U
iron	300	200	U	3,260	276	184	280	330	218	330	206	U	85.2 F	554 J	329 J	32 F	14 F	16 F	37 F	21 F	18 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	34,700	40,300	39,400	38,800	[redacted]	[redacted]	[redacted]	[redacted]	36,300	34,000	37,600	34,900	[redacted]	[redacted]	[redacted]	[redacted]	35,000	36,000
manganese	300	10	107	182	104	102	100	101	110	110	110	110	1,660	1,710	2,150	1,440	[redacted]	132	[redacted]	[redacted]	1,800	1,580
molybdenum		15	0.9 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	2.1 F	11.3 F	U	1.8 F	U	U	U	U	2.4 F	3.2 F	2.8 F	9.13 F	1.0 F	1.7 F	2.0 F	1.7 F	2.9 F	2.1 F
potassium	--	1,000	1,340	2,620	1,350	1,430	1,400	1,400	1,500	1,400	1,500	1,800	10,100	10,100	10,200	9,810	10,000	10,000	9,800	10,000	9,700	10,000
selenium	10	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	2.7 F	U	U	U	U	U	U	U	U
sodium	20,000	1,000	15,500	20,000	[redacted]	19,800	20,000	20,000	20,000	19,000	20,000	20,000	[redacted]	67,000	[redacted]	64,000	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium		10	U	3.7 F	U	U	U	U	U	U	U	U	U	U	U	0.87 F	U	U	U	U	U	U
zinc	2,000	20	4.3 F	7.4 F	11.8 F	35.3 B	10 F	4.4 F	U	U	U	U	4.4 F	7.6 F	24.8 B	21.2 F	8.9 F	9.4 F	7.8 F	7.8 F	10 F	10 F
Leachate Indicators (mg/L)														
alkalinity, Total		10	306		260	240	240	240	396	500	430	500	500	
ammonia	2	0.2	U		U	U	U	0.028 F	0.8	1.5	U	0.43	1.3	
BOD5		2.4	U		U	2.1	U	U	U	U	U	U	U	
bromide	2	0.5	0.36 F		0.07 F	U	0.080 F	0.055 F	U	U	U	0.11 F	U	
COD	--	5	U [M]		U	9.4 F	7* B	7* B	20.2 B	5 F	11	7* B	33	
chloride	250	1	50		45	51	48	52	86.4	89	90	88	93	
color	15	5	70		NA	NA	NA	U	10	NA	NA	NA	U	
cyanide, Total	200	0.02	U [M]		NA	NA	NA	U	U	NA	NA	NA	0.0089 F	
hardness, Total		1	370 [M]		330	320	320	330	546	610	530	560	570	
nitrate	10	1	U		U	U	U	U	0.09 F	0.065 F	1.4	1.2	0.7 F	
TKN	1	1	U [M]		U	U	U	U	3.4	2.8	0.13 F	0.41	1.4	
sulfate	250	1	41		42	42	43	50	87.4	93	85	92	90	
TDS	500	10	419		390	380	380	420	772	810	800	810	840	
TOC	--	1	0.84 F		0.61 F	0.74 F	0.84 F	1.1	3.3	3.3	3.4	3.3	4.0	
phenolics, Total	--	0.005	U		U	U	U	U	U	U	U	U	U	

Notes:
B = The analyte was found in an associated blank as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation
M = A matrix effect was present
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit
o=Duplicate value was used

UJ = The result is estimated at the method detection limit
UM = A matrix effect was present the analyte was not detected above the method detection limit
* = Beginning in the June 2006 sampling round each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported.
[redacted] = Value exceeded NYSDEC Groundwater standard.

Table 6-3 (continued)
Landfill 6 AOC Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMCUMGB-1					LF6LH-1			LF6LH-2		
Date of Collection			7/6/2006	9/19/2006	12/13/2006	4/18/2007	6/21/2007	12/20/2006	4/18/2007	6/21/2007	12/20/2006	4/18/2007	6/21/2007
Sample ID No.			TMCUM0277AA	TMCUM0277BB	TMCUM0277CA	TMCUM0277DA	TMCUM0277EA	LF6LH0101CA	LF6LH0101DA	LF6LH0101EA	LF6LH0201CA	LF6LH0201DA	LF6LH0201EA
Depth to Water (ft)			4.38	4.81	3.63	3.64		Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
VOCs (μg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
1,1-dichloroethane	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
1,2-dichloroethane	0.6	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
1,4-dichlorobenzene	3	0.5	U	0.25 F	U	UJ	0.110 F	U	UJ	U	U	UJ	U
acetone	50	10	1 F	U	U	UJ	U	U	2.34 F	U	U	UJ	U
benzene	1	0.1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
carbon disulfide	1,000	0.5	0.11 F	U	U	UJ	U	U	UJ	U	U	UJ	U
chloroform	7	0.5	U	U	U	UJ	U	U	UJ	U	U	UJ	U
chloromethane	5*	1	U	U	U	UJ	U	UJ	UJ	UJ	UJ	UJ	UJ
cis-1,2-dichloroethene	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
dichlorodifluoromethane	5*	1	U	U	UJ	UJ	U	U	UJ	U	U	UJ	U
bromodichloromethane	0.5*	0.6	0.16 F	U	U	UJ	U	U	UJ	U	U	UJ	U
methylene chloride	5*	1	U	0.43 F	0.170 F	UJ	0.120 F	0.210 F	UJ	U	0.150 F	UJ	0.120 F
m,p-xylene	5*	2	U	U	U	UJ	U	U	UJ	U	U	UJ	U
trichloroethene (TCE)	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
trans-1,2-dichloroethene	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
trichlorofluoromethane	5*	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
vinyl chloride	2	1	U	U	U	UJ	U	U	UJ	U	U	UJ	U
xylenes, Total		1.5	U	U	U	UJ	U	U	UJ	U	U	UJ	U
Total VOC's (μg/L)			1.27	0.68	0.17	0	0.23	0.21	2.34	0.31	0.15	0	0.12

Metals (μg/L) (Dissolved / Total)*	Standard	RL	TMCUM0277AA D	TMCUM0277AA T	TMCUM0277BB D	TMCUM0277BB T	TMCUM0277CA D	TMCUM0277CA T	TMCUM0277DA D	TMCUM0277DA T	TMCUM0277EA D	TMCUM0277EA T	LF6LH0101CA D	LF6LH0101CA T	LF6LH0101DA D	LF6LH0101DA T	LF6LH0101EA D	LF6LH0101EA T	LF6LH0201CA D	LF6LH0201CA T	LF6LH0201DA D	LF6LH0201DA T	LF6LH0201EA D	LF6LH0201EA T
aluminum	2,000	200	43.4 F	2,470	51.4 F	8,500	U	[illegible]	42 F	[illegible]	U	4,500	U	60 F	46 F	[illegible]	U	U	U	100	43 F	300	U	93 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	8.5 F	U	4.8 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	166	231	219	280	210	420	220	410	190	250	9.9 F	9.4 F	9.8 F	24 F	19 F	18 F	370	370	400	400	340	390
beryllium	3	4	U	0.3 F	U	U	U	0.88 F	U	0.91 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron	1,000	110	20.7	17.2	NA	NA	NA	NA	NA	NA	9.9 F	17	NA	U	NA	NA	8.8 F	12.0	NA	NA	NA	NA	41	42
cadmium	5	5	U	0.9 F	U	0.44 F	0.62 F	1.9 F	U	1.0 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium		1,100	32,700	40,300	38,200	45,700	36,000	67,000	37,000	67,000	15,000	44,000	55,000	55,000	40,000	42,000	70,000	61,000	44,000	44,000	44,000	46,000	43,000	45,000
chromium	50	10	0.5 F	2.9 F	1.5 F	7.41 F	2.8 F	33	2.9 F	23	U	8.4 F	4.9 F	3.7 F	3.0 F	7.9 F	U	2.8 F	4.0 F	8.1 F	8.8 F	5.4 F	1.4 F	4.2 F
cobalt		60	U	1.5 F	U	U	U	9.2 F	U	11 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	10.3	3.1 F	36	U	32	U	7.3 F	2.4 F	3.0 F	U	17	U	U	U	3.0 F	U	U	U	U
iron	300	300	U	2,540	613 F	5,650	18 F	24,000	28 F	27,000	32 F	6,300	230	[illegible]	7.2 F	[illegible]	140 F	[illegible]	20 F	[illegible]	7.6 F	[illegible]	58 F	300
lead	25	25	U	U	U	U	U	8.2 F	U	7.9 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,600	18,300	17,800	21,100	18,000	29,000	17,000	29,000	17,000	21,000	15,000	15,000	10,000	12,000	11,000	12,000	28,000	28,000	27,000	28,000	28,000	29,000
manganese	300	10	57.8	107	U	208	17	[illegible]	20	[illegible]	19	190	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	100	100	130	110	120
molybdenum		15	15 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.8 F	U	U	U	U
nickel	100	20	U	3.5 F	1.22 F	8.46 F	2.1 F	24	U	U	U	3.2 F	U	U	U	4.7 F	U	U	U	U	U	U	U	U
potassium		1,000	467 F	1,910	741 F	2,430	780 F	5,400	750 F	5,600	630 F	2,200	570 F	540 F	860 F	2,200	U	480 F	930 F	1,100	930 F	1,100	1,000	1,100
selenium	10	30	U	U	U	U	U	3.9 F	U	U	U	U	U	1.4 F	U	U	U	U	U	2.7 F	U	U	U	U
silver	50	10	U	U	U	U	1.1 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	13,600	16,000	16,300	16,700	18,000	17,000	16,000	17,000	16,000	17,000	2,100	1,900	1,300	1,300	3,900 B	2,400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	5.8 F	U	9.71 F	0.97 F	28	U	27	U	7.0 F	U	U	U	8.6 F	U	U	U	2.2 F	U	U	U	U
zinc	2,000	20	4.2 F	11.4 F	1.6 F	36.0 B	8.5 F	34	8.4 F	72	U	24	7.7 F	6.8 F	U	21	U	U	7.7 F	11 F	U	U	U	U

Leachate Indicators (mg/L)	Standard	RL	TMCUM0277AA	TMCUM0277BB	TMCUM0277CA	TMCUM0277DA	TMCUM0277EA	LF6LH0101CA	LF6LH0101DA	LF6LH0101EA	LF6LH0201CA	LF6LH0201DA	LF6LH0201EA
alkalinity, Total	--	10	158	130	180	240	150	180	130	180	190	180	180
ammonia	2	0.2	0.056 B	0.077 B	0.12	0.10	0.09	U	0.051	0.041 F	U	0.011 F	0.044 F
BOD5	--	2.4	U	U	1	U	U	3.1	2.1	U	U	1	U
bromide	2	0.5	U	0.034 F	U	0.038 F	0.032 F	U	U	U	0.080 F	0.19 F	0.17
COD		5	18.1 B	U	U	26 B	15 B	20	15 B	20 B	7.3 F	17 B	17 B
chloride	250	1	21.9	22	21	21	23	3.2	2.3	27	37	49	56
color	15	5	100 (?)	NA	NA	NA	U	NA	NA	10	NA	NA	U
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	NA	NA	U
hardness, Total		1	280	200	250	260	300	200	140	310	220	320	390
nitrate	10	1	U	0.08 F	0.11	0.016 F	0.033 F	U	[illegible]	U	U	U	U
TKN	1	1	0.1 F	0.077 F	0.40	0.34	0.13 F	0.083 F	0.14 F	0.11 F	U	U	U
sulfate	250	1	33.8	35	33	34	34	23	U	19	37	36	39
TDS	500	10	243	210	250	250	290	200	160	240	270	320	360
TOC		1	0.54 F	0.76 F	0.71 F	U	U	2.1	1.8	3.1	0.56 F	U	U
mercury, Total	--	0.005	U	U	U	U	U	U	U	U	U	U	U

Notes:
B = The analyte was found in an associated blank, as well as in the sample.
F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).
J = The analyte was positively identified, but the quantitation is an approximation.
M = A matrix effect was present.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
* = Duplicate value was used.
UJ = The result is estimated at the method detection limit.
UM = A matrix effect was present, the analyte was not detected above the method detection limit.
* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.
-- = No value reported
▭ = Value exceeded NYSDEC Groundwater standard

Table 6-4

Landfill 6 AOC Surface Water Analytical Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-1												LF6SW-2											
Date of Collection			7/6/2006		9/19/2006		12/14/2006		4/17/2007		6/25/2007		10/1/2007		7/6/2006		9/19/2006		12/14/2006		4/17/2007		6/21/2007		10/1/2007	
Sample ID No.			LF6SW0101AA		LF6SW0101BB		LF6SW0101CA		LF6SW0101DA		LF6SW0101EA		LF6SW0101FA		LF6SW0201AA		LF6SW0201BB		LF6SW0201CA		LF6SW0201DA		LF6SW0201EA		LF6SW0201FA	
Depth to Water (ft)			Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water		Surface Water	
VOCs (ug/L)																										
1,2-dichlorobenzene	3	1	U		0.22 F		0.110 F		U		U		U		U		0.25 F		0.110 F		U		U		U	
1,4-dichlorobenzene	3	0.5	U		0.21 F		U		0.120 F		U		U		U		0.22 F		U		0.110 F		U		U	
acetone	50	10	2.2 F		2.21		1.45 F		U		1.6 F		U		1.5 F		1.42 F		1.18 F		1.12 F		U		1.26 F	
benzene	1	0.1	U		U		U		U		U		U		U		0.12 F		U		U		U		U	
chlorobenzene	5	0.5	0.37 F		0.92		0.560		0.430 F		0.160 F		0.210 F		0.23 F		1.15		0.480 F		0.340 F		0.130 F		0.130 F	
chloromethane	–	1	U		U		U		U		U		U		U		U		U		U		U		U	
cis-1,2-dichloroethene	5	1	U		U		U		U		U		U		U		U		U		U		U		U	
dichlorodifluoromethane	5**	1	U		U		UJ		U		U		U		U		U		UJ		U		U		U	
methylene chloride	5	1	U		U		0.210 F		U		U		U		U		U		0.200 F		U		U		U	
trichloroethene (TCE)	5	1	U		0.13 F		U		U		U		U		U		U		U		0.110 F		U		U	
vinyl chloride	0.3	1	U		U		U		U		U		U		U		U		U		U		U		U	
Metals (ug/L) [Dissolved / Total]*																										
aluminum	100	200	57.2 F	77.8 F	U	47.5 F	U	46 F	83 F	98 F	U	U	U	U	58.1 F	84.6 F	U	54.2 F	U	U	76 F	85 F	U	49 F	U	60 F
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	133	153	121	122	130	140	83	87	220	220	210	220	132	150	119	120	130	140	84	89	200	200	200	200
boron	1,000	110	36.2	31.4	NA	NA	NA	NA	NA	NA	23	25	NA	NA	37.5	34.3	NA	NA	NA	NA	NA	NA	26	30	NA	NA
calcium	–	1,100	98,700	109,000	103,000	105,000	94,000	96,000	76,000	79,000	93,000	100,000	100,000	100,000	99,100	109,000	109,000	110,000	91,000	93,000	74,000	78,000	94,000	98,000	99,000	99,000
chromium	50	10	0.7 F	U	U	U	3.6 F	2.5 F	2.6 F	3.1 F	1.7 F	3.1 F	2.5 F	2.0 F	U	U	U	U	2.9 F	2.0 F	2.8 F	2.1 F	U	4.2 F	2.0 F	2.0 F
copper	200	10	U	U	U	U	2.2 F	3.3 F	U	U	U	U	U	U	U	U	U	U	2.1 F	3.1 F	U	U	U	U	U	U
iron	300	200	33.8 F	173 F	25 F	197 F	47 F	230	130 F	270	26 F	180 F	210	34 F	23.3 F	179 F	39.9 F	223	52 F	230	150 F	280	39 F	280	74 F	330
magnesium	35,000	1,000	19,200	20,500	18,200	18,600	19,000	19,000	12,000	13,000	22,000	24,000	24,000	25,000	20,200	21,000	20,100	20,200	18,000	19,000	13,000	13,000	22,000	23,000	25,000	25,000
manganese	300	10	8.7 F	172	186	196	290	[illegible]	170	190	210	230	260 J	310 J	190	195	296	301	290	[illegible]	190	210	750	830	430	440
molybdenum	–	15	2.1 F	U	U	U	U	U	U	U	U	U	U	U	1.5 F	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	U	2.0 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
potassium	–	1,000	1,680	1,860	2,080	2,150	2,000	U	1,800	1,800	1,800	1,900	1,900	2,000	1,750	1,890	2,060	2,110	1,900	1,900	1,700	1,800	1,600	1,800	1,800	1,800
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	1.1 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	–	1,000	88,600	99,900	93,400	93,000	74,000	75,000	74,000	76,000	86,000	89,000	88,000	91,000	86,400	96,600	94,700	90,600	71,000	71,000	70,000	73,000	71,000	72,000	77,000	78,000
vanadium	–	10	U	U	0.7 F	0.83 F	U	1.3 F	U	0.95 F	U	U	U	U	U	U	U	U	U	U	U	U	U	0.81 F	U	U
zinc	2,000	20	4.2 F	4.1 F	10.4 F	36.9 B	13 F	11 F	7.6 F	11 F	U	U	26 B	30 B	10.4 F	3.3 F	37.3 B	22 B	9.7 F	9.2 F	8.4 F	13 F	U	7.3 F	38 B	26 B
Leachate Indicators (mg/L)																										
alkalinity, Total	–	10	276		170		230		190		230		250		279		250		230		170		230		250	
ammonia	2	0.2	U		0.049 F		0.033		0.013 F		0.063		0.041 F		U		0.041 F		0.050		0.024 F		0.13		0.028 F	
BOD5	–	2.4	U		2.2		U		U		U		U		U		U		U		U		U		U	
bromide	2	0.5	0.31 F		0.14 F		0.11		0.12		0.28		0.28		0.31 F		0.14 F		0.11		0.12 F		0.21		0.24	
COD	–	5	U		50		20 B		26 B		15 B		8.5 F		U		16		16 B		28 B		20 B		8.5 F	
chloride	250	1	184		180		130		140		180		170		144		180		130		130		140		150	
color	15	5	18 B		NA		NA		NA		15		NA		18 B		NA		NA		NA		28		NA	
hardness, Total	–	1	370		340		300		250		340		350		370		350		300		240		330		350	
nitrate	10	1	0.48 F		0.42 F		0.69		1.1		0.1		0.042 F		0.44 F		0.3 F		0.67		0.80		0.11		0.031 F	
TKN	1	1	0.087 F		0.19 F		0.33 F		0.27		0.17 F		0.30 B		U		0.12 F		0.26 F		0.35		0.25 B		0.21 B	
sulfate	250	1	52.8		49		47		37		47		45		52		53		40		36		47		44	
TDS	500	10	[illegible]		[illegible]		[illegible]		480		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		460		[illegible]		[illegible]	
TOC	–	1	2.7		3.3		3.2		4.9		2.8		2.9		3		2.7		3.4		4.7		4.2		3.3	
phenolics, Total	–	0.005	U		U		U		U		U		U		0.015		U		U		U		U		U	

Notes:

B = The analyte was found in an associated blank, as well as in the sample.

F = Analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

NA = Not analyzed.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

UJ = The result is estimated at the method detection limit.

* = Beginning in the June 2006 sampling round, each sampling location was analyzed for both dissolved and total metal concentrations.

– = No value reported.

= Value exceeded NYSDEC Surface Water standard

**=Duplicate value was used

Table 6-4 (continued)
Landfill 6 AOC Surface Water Analytical Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-3										LF6W-1							
Date of Collection			7/6/2006		9/19/2006		12/14/2006	4/18/2007		6/21/2007		10/17/2007	7/6/2006		9/19/2006		12/14/2006	4/17/2007		6/21/2007	10/17/2007
Sample ID No.			LF6SW0301AA		LF6SW0301BB		LF6SW0301CA	LF6SW0301DA		LF6SW0301EA		LF6SW0301FA	NS		NS		LF6WT0101CA	LF6WT0101DA		LF6WT0101EA	LF6WT0101FA
Depth to Water (ft)			Surface Water		Surface Water		Surface Water	Surface Water		Surface Water		Surface Water	Surface Water		Surface Water		Surface Water	Surface Water		Surface Water	Surface Water
VOCs (ug/L)																						
1,2-dichlorobenzene	3	1	U		U		U	UJ		U		U	NS		NS		U	U		NS	NS	
1,4-dichlorobenzene	3	0.5	U		0.1 F		U	UJ		0.190 F		U	NS		NS		U	U		NS	NS	
acetone	50	10	1.2 F		1.4 F		U	UJ		U		U	NS		NS		2.17 F	U		NS	NS	
benzene	1	0.1	U		U		U	UJ		U		U	NS		NS		U	U		NS	NS	
chlorobenzene	5	0.5	U		0.13 F		0.310 F	0.370 F		U		U	NS		NS		U	U		NS	NS	
chloroethane	–	1	U		U		U	UJ		U		U	NS		NS		U	U		NS	NS	
cis-1,2-dichloroethene	5	1	U		U		U	UJ		U		U	NS		NS		2.13	2.67 J		NS	NS	
dichlorodifluoromethane	5**	1	U		U		UJ	UJ		U		U	NS		NS		UJ	U		NS	NS	
methylene chloride	5	1	U		U		U	0.130 F		U		U	NS		NS		0.300 F	U		NS	NS	
trichloroethene (TCE)	5	1	U		U		U	UJ		U		U	NS		NS		0.140 F	0.460 F		NS	NS	
vinyl chloride	0.3	1	U		U		U	UJ		U		U	NS		NS		[redacted]	U		NS	NS	
Metals (ug/L) Dissolved / Total**																						
aluminum	100	200	55.7 F	71.5 F	U	45.2 F	U	0.1 F	77 F	[redacted]	U	U	U	U	NS	NS	NS	NS	U	U	62 F	54 F	NS	NS	NS	NS
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	U	U	U	U	NS	NS	NS	NS
barium	1,000	50	192	195	193	198	140	140	99	99	210	220	220	230	NS	NS	NS	NS	41 F	41 F	26 F	25 F	NS	NS	NS	NS
boron	1,000	110	35.7	29.4	NA	NA	NA	NA	NA	NA	28	28	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NS	NS	NS	NS
calcium	–	1,100	91,200	102,000	94,200	96,400	87,000	87,000	78,000	79,000	86,000	92,000	90,000	94,000	NS	NS	NS	NS	100,000	100,000	64,000	61,000	NS	NS	NS	NS
chromium	50	10	U	U	U	U	3.2 F	2.0 F	2.2 F	3.5 F	U	4.2 F	7.8 F	1	NS	NS	NS	NS	U	U	1.9 F	1.6 F	NS	NS	NS	NS
copper	200	10	1.3 F	U	U	U	2.7 F	3.1 F	U	1	U	U	U	U	NS	NS	NS	NS	3.0 F	4.3 F	U	U	NS	NS	NS	NS
iron	300	200	21.3 F	161 F	48.3 F	351	57 F	350	88 F	[redacted]	49 F	240	51 F	210	NS	NS	NS	NS	9.3 F	13 F	8.9 F	42 F	NS	NS	NS	NS
magnesium	35,000	1,000	19,400	20,600	22,600	23,100	18,000	18,000	13,000	14,000	21,000	22,000	23,000	24,000	NS	NS	NS	NS	9,600	9,700	6,600	6,500	NS	NS	NS	NS
manganese	500	10	126	161	[redacted]	[redacted]	270	260	190	200	520	570	220	230	NS	NS	NS	NS	54 J	59 J	5.7 F	6.7 F	NS	NS	NS	NS
molybdenum	–	15	1.2 F	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	U	U	U	U	NS	NS	NS	NS
nickel	100	20	U	U	U	U	1.3 F	U	U	U	U	U	2.2 F	U	NS	NS	NS	NS	U	U	U	U	NS	NS	NS	NS
potassium	–	1,000	1,680	1,840	1,780	1,860	1,800	1,800	1,700	1,800	1,600	1,800	1,800	1,900	NS	NS	NS	NS	2,100	2,100	2,500	2,400	NS	NS	NS	NS
selenium	10	50	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	U	U	U	U	NS	NS	NS	NS
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	U	U	U	U	NS	NS	NS	NS
sodium	–	1,000	80,000	91,400	80,700	82,800	67,000	69,000	75,000	76,000	70,000	73,000	77,000	80,000	NS	NS	NS	NS	3,600	3,600	5,600	5,400	NS	NS	NS	NS
vanadium	–	10	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	U	0.76 F	U	U	NS	NS	NS	NS
zinc	2,000	20	4.1 F	3.3 F	34.3 B	26.1 B	7.5 F	14 F	8.0 F	8.5 F	U	U	35 B	64 B	NS	NS	NS	NS	11 F	11 F	9.8 F	7.3 F	NS	NS	NS	NS
Leachate Indicators (mg/L)																						
alkalinity, Total	–	10	267		220		220	180		220		240	NS		NS		260	170		NS	NS	
ammonia	2	0.2	U		0.067 B		0.079 F	0.021 F		0.17		0.051 F	NS		NS		U	U		NS	NS	
BOD5	–	2.4	U		U		U	U		U		U	NS		NS		U	U		NS	NS	
bromide	2	0.5	0.31 F		0.2 F		0.11	0.14 F		0.23		0.26	NS		NS		U	0.044 F		NS	NS	
COD	–	5	26.7 B		11		23 B	21 B		17 B		8.5 F	NS		NS		23 B	19 B		NS	NS	
chloride	250	1	154		160		120	140		140		150	NS		NS		1.8	11		NS	NS	
color	15	5	13 B		NA		NA	NA		[redacted]		NA	NS		NS		NA	NA		NS	NS	
hardness, Total	–	1	340		380		290	250		310		330	NS		NS		280	180		NS	NS	
nitrate	10	1	0.38 F		0.15 F		0.60	0.77		0.12 F		0.041 F	NS		NS		0.022 F	0.41		NS	NS	
TKN	1	1	U		0.23 F		0.21 F	0.20		0.31 B		0.17 F	NS		NS		0.24 F	0.15 F		NS	NS	
sulfate	250	1	50.1		47		44	37		46		42	NS		NS		28	12		NS	NS	
TDS	500	10	[redacted]		[redacted]		[redacted]	[redacted]		[redacted]		[redacted]	NS		NS		340	220		NS	NS	
TOC	–	1	2.6		2.8		3.7	4.0		3.6		3.6	NS		NS		5.9	4.7		NS	NS	
chlorides, Total	–	0.005	U		U		U	U		U		U	NS		NS		U	U		NS	NS	

Notes:
B = The analyte was found in an associated blank, as well as in the sample
F = Analyte was positively identified above MDL, however the concentration is low the reporting limit (RL).
NA = Not analyzed.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
UJ = The result is estimated at the method detection limit
* = Beginning in the June 2006 sampling round, each sampling location was as and for both dissolved and total metal concentrations.
– = No value reported.
[redacted] = Value exceeded NYSDEC Surface Water standard.
e=Duplicate value was used