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Roger

March 20, 2003

New York State Department
of Environmental Conservation
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Buffalo, New York 14203-2999

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BUREAU OF SOLID WASTE
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DIVISION OF SOLID &
HAZARDOUS MATERIALS

Attention: Mr. Henry Sandonato, P.E.
Regional Solid and Hazardous
Materials Engineer

RE: *Two Mile Creek Limited*
Sediment Investigation Sampling Report
GE Inspection and Repair Service Center
Tonawanda, New York

Dear Mr. Sandonato:

On behalf of the General Electric International, Inc. (GE), URS Corporation (URS) is pleased to submit this *Two Mile Creek Limited Sediment Investigation Sampling Report* (*Sampling Report*) for GE's Inspection and Repair Service Center in Tonawanda, New York. This *Sampling Report* summarizes the results of the *Work Plan for Limited Investigation of Two Mile Creek Sediments* (*Work Plan*), dated March 7, 2002, that was approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated August 27, 2002.

If you have questions or comments regarding this *Sampling Report* please contact Dawn Varacchi of GE at (508) 836-6728 or Don Porterfield of URS at (518) 688-0015.

Very truly yours,
URS CORPORATION – New York

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GENERAL ELECTRIC INTERNATIONAL
GE - TONAWANDA

TWO MILE CREEK LIMITED SEDIMENT INVESTIGATION SAMPLING REPORT

GENERAL ELECTRIC INTERNATIONAL GE INSPECTION AND REPAIR SERVICE CENTER TONAWANDA, NEW YORK

MARCH 20, 2003

Prepared For:
GENERAL ELECTRIC INTERNATIONAL
GE INSPECTION AND REPAIR
SERVICE CENTER
TONAWANDA, NEW YORK

Prepared By:

URS Corporation
646 Plank Road, Suite 202
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1.0 INTRODUCTION

On behalf of the General Electric International, Inc. (GE), URS Corporation (URS) is providing this *Two Mile Creek Limited Sediment Investigation Sampling Report* (*Sampling Report*) for GE's Inspection and Repair Service Center in Tonawanda, New York. This *Sampling Report* summarizes the results of the *Work Plan for Limited Investigation of Two Mile Creek Sediments* (*Work Plan*).

This on-going project is being conducted as part of the Corrective Action Program required by GE's May 1996 *6 NYCRR Part 373 Hazardous Waste Management Permit.* The *Work Plan*, which was dated March 7, 2002, was prepared in response to New York State Department of Environmental Conservation's (NYSDEC's) letter dated January 15, 2002. During July and August 2002, NYSDEC, GE, and URS discussed the scope of the sediment sampling. NYSDEC approved the *Work Plan*, with modification, in a letter dated August 27, 2002. The modifications included:

- Collecting sediment samples at nine locations along the creek (four upstream of the storm sewer outfall, four downstream of the outfall, and one at the outfall); and
- Collecting sediment samples at each sampling location from the 0- to 6-inch horizon, the 6- to 12-inch horizon, and at 1 to 2-foot intervals.

This *Sampling Report* is organized in four sections. Section 2.0 presents background information for the site, including a description of the storm sewer system near the site and prior investigations of the sewers. Section 3.0 describes the scope of work. Section 4.0 presents the conclusions.

2.0 BACKGROUND

This section presents background information about the site and storm sewers and a brief summary of prior sewer investigations.

2.1 SITE DESCRIPTION

GE's Tonawanda Inspection and Repair Service Center is at 175 Milens Road, Tonawanda, New York. As shown in Figure 1, the shop is in an urban area that includes some commercial businesses and other industries. GE built the slab-on-grade building in 1968 and 1969 and expanded the building in 1978. GE uses the service center, which is also known as the Buffalo Service Shop, to repair industrial equipment, such as electric motors, transformers, turbines, pumps, and compressors.

During operations at the shop, GE formerly received liquids, solids, and other articles containing PCBs from customers and other GE facilities for repair or storage prior to shipment for off-site disposal or treatment at facilities with the appropriate permits. GE completed a *RCRA Facility Investigation* in 1999 and submitted a *Revised Corrective Measure Study Final Report* for the service shop on July 31, 2001.

2.2 STORM SEWER SYSTEM

The on-site storm sewer systems drain to a storm sewer manhole near the southwest corner of the service shop. From there, the system feeds into the municipal storm sewer system beneath Milens Road. The sanitary sewers are an independent and separate system. Figure 2 shows a portion of the on-site storm sewers. The depiction of off-site storm sewers shown in Figure 2 is based on the Town of Tonawanda's water and sewer maps.

The water in the on-site storm sewers flows southwest and converges in manhole STMH-1 near the southwest corner of the service shop. There is a fifteen-inch pipe in STMH-1 that slopes from the collection point to the southwest, where it connects to the municipal storm sewer system beneath Milens Road. The Milens Road sewer line empties into a line that is parallel to Ensminger Road. The storm sewer line that is parallel to Ensminger Road receives flows from the northern and southern portions of Milens Road and from the commercial properties along Military Road, which is east of the GE facility. As shown in Figure 2, the municipal storm sewer discharges to Two Mile Creek.

2.3 PREVIOUS INVESTIGATION OF SEWERS

There have been five investigations of the storm sewers since 1987. The four on-site storm sewer investigations are described in the *Work Plan for Investigation of Off-Site Storm Sewers*, dated February 23, 2001. In 2001, a possible historic release of PCBs from the property through the storm sewer system was investigated. The results of the off-site sewer investigation were provided to the NYSDEC in the *Off-Site Storm Sewer Investigation Report*, dated July 13, 2001.

The PCB sample results from samples collected during the supplemental sewer investigation and the off-site storm sewer investigation are summarized in Table 1. The on-site sampling locations (CB-1, CB-2, CB-3, STMH-1, STMH-2, and STMH-3) and the off-site sampling locations (MH-1 through MH-12) are shown in Figure 2. At the time of the sampling, no sediment was found in manhole STMH-1, which is the on-site manhole that is closest to Milens Road. The concentration of PCBs detected in the sediment sample from manhole STMH-3, which is near the southeast corner of the service shop building, was 41,300 mg/kg. The sediment was removed from this manhole on February 28, 2002 and taken off-site for proper disposal. The concentration of PCBs in the sediment sample from manhole STMH-2, which is immediately downstream of STMH-3, was 20.7 mg/kg. As shown on Table 1, only Arochlors 1254 and 1260 were detected in the on-site storm sewer sediments.

As shown in Table 1, PCBs were detected in sediment samples from five of the eight off-site sampling locations. The highest concentration of PCBs was in the sediment collected from manhole MH-1 (300 mg/kg). On February 28, 2002, the sediment was also removed from this manhole and properly disposed at an off-site facility. PCBs were detected in sediment samples from the four manholes along the Milens Road line. The concentration of PCBs in the sediment decreases with distance from the site to the connection with the 84-inch line at manhole MH-5. Of the three sampling locations with sediment along the line parallel to Ensminger Road, only the sediment from MH-12 contained detectable levels of PCBs (1.45 mg/kg). As shown on Table 1, only Arochlors 1254 and 1260 were detected in the off-site storm sewer sediments.

3.0 LIMITED INVESTIGATION OF TWO MILE CREEK SEDIMENTS

The objective of the investigation was to evaluate whether the sediments in Two Mile Creek have been impacted by past releases of PCBs from GE's Tonawanda service shop. The scope of work in the *Work Plan* included these three tasks:

- Task 1 - Negotiate Access Agreements;
- Task 2 - Implement Sampling Program; and
- Task 3 - Prepare Letter Report

The remainder of this section describes the first two of these tasks along with the analytical results.

3.1 TASK 1 – NEGOTIATE ACCESS AGREEMENTS

In October 2002, URS contacted the Town of Tonawanda to discuss access to Two Mile Creek. URS confirmed that Sheridan Park, through which Two Mile Creek passes, is owned by the Town of Tonawanda. URS met with the Town of Tonawanda to discuss the scope of the sampling and obtain permission to access the creek. URS learned that the golf course, which is located on either side of the portion of the creek targeted for sampling, was scheduled to close for the season on November 5, 2002. In addition, URS learned that permission to drive on the golf course would be granted if the sampling event were to occur after the golf course closed.

3.2 TASK 2 - IMPLEMENT SAMPLING PROGRAM

On November 5, 2002, personnel from the Buffalo, New York URS office mobilized to the golf course to lay out the proposed sampling locations. Stakes were placed adjacent to Two Mile Creek at the planned sampling locations. These locations were approximately 50, 150, 350, and 750 feet upstream and downstream of the storm sewer outfall. Figure 3 shows both the proposed and the actual sampling locations. Photographs of Two Mile Creek and the sampling locations are provided in Appendix A.

On November 6, 2002 personnel from the Buffalo, New York URS office mobilized to the site to collect sediment samples from Two Mile Creek. Mr. Steven Malsan of NYSDEC in Albany, New York was present to observe the sampling.

The stakes marking the proposed sampling locations were used to generally identify sampling locations. Each sampling location was given a designation based on the direction from the storm sewer outfall (US for upstream, DS for downstream, and OF for outfall) and a number which increased with distance from the outfall. Three of the sampling locations (DS-2, DS-3, and DS-4) were adjusted in the field with the concurrence of the NYSDEC. As shown on Figure 3,

sample location DS-2 was moved approximately 30 feet upstream to the area at which URS personnel had observed a sheen during a reconnaissance visit to the creek in August 2002. Sample location DS-3 was moved approximately 5 feet upstream to a location more likely to accumulate sediment. Sample location DS-4 was moved approximately 34 feet upstream to coincide with the discharge location of an approximately 10-inch diameter pipe.

For each sampling location a sketch of the creek was drawn, the depth of the water was measured, a description of the sediment and any underlying material, if encountered, was noted, and the total depth of sediment was noted. This information was recorded on a sampling sheet. The nine sampling sheets are presented in Appendix B. Table 2 summarizes information collected on the sheets.

The portion of Two Mile Creek sampled during this investigation ranges from approximately 15 to 30 feet in width, except where the creek passes under a bridge. The depth of water in the creek ranged from 10 to 34 inches, and the flow was described as low. The depth of sediment in the creek ranged from 0.5 feet at DS-4 to 2.5 feet at US-1.

The sediment samples were collected using a hand auger. The equipment was decontaminated between sampling locations. A rinse blank was collected and analyzed for PCBs. The sediment samples were shipped on ice to Adirondack Environmental Services, Inc. in Albany, New York. The samples were shipped by Federal Express under chain-of-custody.

As shown on Table 2, a sheen was noted at several locations. At sampling locations US-3 and OF (the outfall), a sheen was observed on the water surface. At US-2, a sheen was noted on the sediment surface at the 0.5 to 1.0 sampling interval. At sampling locations DS-2 and DS-4, a sheen developed on the water surface when the creek sediment was disturbed for sample collection. A strong odor (possibly petroleum) was noted at sampling location DS-2, which corresponds to the area where URS personnel observed a sheen in August 2002.

During conversations with the golf course personnel, URS learned that a petroleum spill, which impacted the creek, occurred in late April 1999. The golf course personnel allowed URS to review their records of the incident. According to their records, the creek was boomed near the 17th hole (Figure 2) on April 26, 1999. On April 29, 1999 the creek was boomed near the 13th and 14th holes (to the south). On May 3, 1999, NYSDEC and a cleanup crew began cleaning up the spill. On May 4, 1999, the coast guard was on-site and determined that the source of the spill was the Sunoco station on the corner of East Park and Sheridan. From May 5 through May 12, 1999, a cleanup crew was on-site. A boring for protective barriers at the pumps damaged an underground line during installation of a new UST. The leak migrated to the storm sewers, which empty into Two Mile Creek.

3.3 ANALYTICAL RESULTS

The 24 sediment samples and 2 duplicate samples were analyzed for PCBs by EPA Method 8082 and total organic carbon (TOC) at Adirondack Environmental Services, Inc. of Albany, New York. The analytical results for the sediment samples are summarized in Tables 3 and 4. A graph of the results is presented in Figure 4. Table 5 presents the analytical results for the rinseate blank collected. The laboratory analytical reports are presented in Appendix C.

In accordance with the *Work Plan*, the data was examined and validated by a URS chemist using standard validation procedures that are based on the USEPA Region III Modifications to the National Functional Guidelines for Data Review. The data validation reports are included as Appendix D. No major anomalies were identified during the data validation. Although three minor anomalies were identified in each data package, URS does not believe that the PCB results warrant qualification of the data. Each of these three minor anomalies is discussed below.

The detected concentrations of Arochlors 1016 and 1260 in the matrix spike and matrix spike duplicates were greater than the upper quality control limit (150%), even though the matrix spike and matrix spike duplicates were spiked with known concentrations of Arochlors 1016 and 1260. The laboratory indicated that these exceedances were due to the native concentrations of Arochlors 1248 and 1254 in the samples, which contribute to the recovery peaks for Arochlors 1016 and 1260. Specifically, Arochlor 1016 concentrations were detected above the upper control limit in the quality control samples due to co-eluting peaks with the native concentrations of Arochlor 1248 in the samples. Similarly, Arochlor 1254 co-elutes with Arochlor 1260. Based on professional judgement, URS accepts the laboratory's explanation and agrees with not qualifying the data.

One of the two columns used for the analysis of sample US-3 (0-0.5) displayed interference that affected quantification and confirmation of the surrogate recovery. In general, one column is considered the primary column and the second column is used to for confirmation to verify a positive detection. Again, URS agrees with the laboratory's explanation and with not qualifying the data.

The TOC matrix spike displayed critically low recovery in both data packages. All positive results were flagged "J" and should be considered to display a significant negative bias.

As shown in Table 3, PCBs were detected in sediment throughout the creek. The detected PCB concentrations ranged from an estimated value of 22 µg/kg in sample US-1 (1-2) to 4,800 µg/kg in sample DS-3 (0.5-1). As shown in Table 3, Arochlors 1248 and 1254 were the only Arochlors detected in the creek.

As shown in Table 4, TOC concentrations in the creek sediment ranged from 6,400 mg/kg at DS-4 (0-0.5) to 77,000 mg/kg at DS-2 (0.5-1). In accordance with NYSDEC's *Technical Guidance for Screening Sediment*, dated January 1999, sediment screening criteria were calculated based on the wildlife and human health bioaccumulation values of 1.4 and 0.0008 µg PCB/g organic carbon, respectively. Sample-specific screening criteria were calculated based on the quantity of TOC present in each sample. The sample-specific screening criteria are shown in Table 4. As shown, the concentration of PCBs in all the creek sediments exceed both the wildlife and human health screening criteria.

4.0 CONCLUSIONS

The results of this investigation show that PCBs are present in Two Mile Creek sediments both upstream and downstream of the outfall that receives storm water from a portion of Military Road, Orkinski Drive, and Milens Road. Storm water from GE's service shop, which is on Milens Road, discharges through this outfall. The concentrations of PCBs in sediment downstream from the outfall are comparable to concentrations of PCBs in sediment upstream of the outfall, with the exception of sediment collected at DS-3. There is no increase in PCB concentrations at the outfall where storm water from GE's property discharges to Two Mile Creek. The specific Arochlors detected in the creek sediments (1248 and 1254) do not coincide with the Arochlors (1254 and 1260) present in sediment in the storm sewers at GE's facility and in the storm sewers between GE's property and the outfall. Arochlor 1260, which has been detected in the storm sewers, was not detected in the creek sediments. Therefore, it appears that the PCBs detected in Two Mile Creek are not related to GE's activities.

The concentrations of PCBs in sediment upstream of the storm sewer outfall ranged from an estimated value of 22 µg/kg at US-1 to 1,340 µg/kg at US-4, with an average detected concentration of 664 µg/kg (321 µg/kg of Arochlor 1248 and 402 µg/kg of Arochlor 1254). The concentration of PCBs in sediment downstream of the storm sewer outfall ranged from 86 µg/kg to 4,800 µg/kg, with an average detected concentration of 1219 µg/kg (689 µg/kg of Arochlor 1248 and 599 µg/kg of Arochlor 1254). While the average concentration of PCBs almost doubled downstream of the outfall, the concentration of Arochlor 1254, which was detected in the storm sewers on GE's property, only rose by 33%. Thus, the relative concentration of Arochlor 1254 dropped at and downstream of the storm sewer outfall. This relationship is illustrated in Figure 5. Therefore, URS believes that the higher concentrations of total PCBs found downstream of the storm sewer outfall are largely due to migration of PCBs or PCB containing sediments from an unknown source further upstream.

The objective of this investigation was to evaluate whether releases of PCBs from GE's Tonawanda service shop have impacted the sediments in Two Mile Creek. The results of this investigation show that PCBs are prevalent in creek sediments within the investigation area, and it appears that activities at GE's service center have had no impact on the sediment in Two Mile Creek.

TABLE 1

SUMMARY OF PCBs DETECTED IN PREVIOUS STORM SEWER INVESTIGATIONS

GENERAL ELECTRIC INTERNATIONAL TONAWANDA, NEW YORK

Parameter (mg/kg)	CB-1 (West of Building) 1/25/2000	CB-2 (Southwest of Building) 2/29/2000	CB-3 (South of Building) 2/29/2000	STMH-1 (Near Southwest Corner of Building) 1/25/2000	STMH –2 (South of Building) 1/25/2000	STMH-3 (Near Southeast Corner of Building) 1/25/2000	MH-1 GEMH01 5/17/2001	MH-2 GEMH02 5/17/2001
Aroclor 1254	ND	ND	ND	NS	14	36,000	140	1.8
Aroclor 1260	0.1	1.3	1.6	NS	6.7	5,300	160	0.82
Total PCBs	**0.1**	**1.3**	**1.6**	**NS**	**20.7**	**41,300**	**300**	**2.62**

Notes:
No sample (NS) was collected from manhole STMH-1, which contained no sediment.
ND = Not Detected

TABLE 1

SUMMARY OF PCBs DETECTED IN PREVIOUS STORM SEWER INVESTIGATIONS

GENERAL ELECTRIC INTERNATIONAL TONAWANDA, NEW YORK

Parameter (mg/kg)	MH-3 GEMH03 5/17/2001	MH-4 GEMH04 5/17/2001	MH-4 GEMH4 DUP 5/17/2001	MH-5 GEMH05 5/17/2001	MH-6 GEMH06 5/17/2001	MH-11 GEMH11 5/17/2001	MH-12 GEMH12 5/17/2001
Aroclor 1254	2.7	0.58	0.60	<0.5	<0.5	<0.5	0.72
Aroclor 1260	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.73
Total PCBs	**3.9**	**0.58**	**0.60**	<0.5	<0.5	<0.5	**1.45**

Notes:
No sample (NS) was collected from manhole STMH-1, which contained no sediment.
ND = Not Detected

TABLE 2

SUMMARY OF FIELD OBSERVATIONS
TWO MILE CREEK INVESTIGATION

GENERAL ELECTRIC INTERNATIONAL
TONAWANDA, NEW YORK

Location	Distance and Direction From Outfall	Depth of Water (feet)	Depth of Sediment (feet)	Material Beneath Sediment	Observations
US-4	750 feet upstream	0.83	0.8	Clay	
US-3	350 feet upstream	0.83	1.0	Clay	Sheen noted on surface water
US-2	150 feet upstream	0.83	1.8	Clay	
US-1	50 feet upstream	2.33	2.5	Clay	
OUTFALL	-	1.0	1.9	Clay	
DS-1	50 feet downstream	2.5	2.0	Clay	Sampled from inside culvert
DS-2	121 feet downstream	2.83	1.5	Clay	Odor and sheen on surface of water noted
DS-3	345 feet downstream	1.67	1.8	Clay	
DS-4	726 feet downstream	1.0	0.5	Clay	Augering created sheen

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR TOTAL ORGANIC CARBON AND TOTAL PCBS
TWO MILE CREEK INVESTIGATION

GENERAL ELECTRIC INTERNATIONAL
TONAWANDA, NEW YORK

Location	Depth (feet)	Distance and Direction from Outfall	Total Organic Carbon (TOC) (mg/kg)	Wildlife Sediment Screening Criteria* (mg/kg)	Human Sediment Screening Criteria** (mg/kg)	Total PCBs (mg/kg)
US-1	0-0.5	50 feet upstream	48,600	0.068	0.000039	**0.45**
US-1	0.5-1		22,400	0.031	0.000018	**0.097**
US-1	1-2		10,600	0.015	0.000008	**0.022J**
US-2	0-0.5	150 feet upstream	29,400	0.041	0.000024	**0.58**
US-2	0.5-1		19,300	0.027	0.000015	**0.95**
US-2	1-2		18,000	0.025	0.000014	**0.94**
US-3	0-0.5	350 feet upstream	38,400	0.054	0.000031	**0.56**
US-3	0.5-1		38,600	0.054	0.000031	**0.92**
US-3	1-2		36,400	0.051	0.000029	**0.88**
US-4	0-0.5	750 feet upstream	19,100	0.027	0.000015	**0.57**
US-4	0.5-1		37,400	0.052	0.000030	**1.34**
OF	0-0.5	At Outfall	31,300	0.044	0.000025	**0.62**
OF	0.5-1		32,000	0.045	0.000026	**1.11**
OF	1-2		50,500	0.071	0.000040	**0.75**
DS-1	0-0.5	50 feet downstream	49,800	0.070	0.000040	**0.32**
DS-1	0.5-1		25,800	0.036	0.000021	**0.38**
DS-1	1-2		36,200	0.051	0.000029	**0.57**
DS-2	0-0.5	121 feet downstream (where sheen was previously observed)	71,600	0.100	0.000057	**0.79**
DS-2	0.5-1		77,000	0.108	0.000062	**0.84**
DS-2	1-2		61,100	0.086	0.000049	**0.97**
DS-3	0-0.5	345 feet downstream	64,000	0.090	0.000051	**1.98**
DS-3	0.5-1		72,600	0.102	0.000058	**4.8**
DS-3	1-2		52,900	0.074	0.000042	**1.45**
DS-4	0-0.5	716 feet downstream	6,400	0.009	0.000005	**0.086**
DUP-1	0-0.5	at DS-3	70,800	0.099	0.000057	**1.16**
DUP-2	0-0.5	at US-2	27,000	0.038	0.000022	**0.47**

J: Estimated value

*: Sediment Screen Criteria based on Wildlife Bioaccumulation value of 1.4 ug PCB/g organic carbon published in NYDEC's Technical Guidance for Screening Contaminated Sediment, January 1999.
Sediment Screening Criteria = 1.4 x TOC / 10^6

**: Sediment Screen Criteria based on Human Health Bioaccumulation value of 0.0008 ug PCB/g organic carbon published in NYDEC's Technical Guidance for Screening Contaminated Sediment, January 1999.
Sediment Screening Criteria = 0.0008 x TOC / 10^6

TABLE 5
SUMMARY OF ANALYTICAL RESULTS FOR
RINSATE SAMPLE
TWO MILE CREEK INVESTIGATION

GENERAL ELECTRIC INTERNATIONAL
TONAWANDA, NEW YORK

PARAMETER	EB-1 11/6/02
Aroclor-1016	<0.065 ug/L
Aroclor-1221	<0.065 ug/L
Aroclor-1232	<0.065 ug/L
Aroclor-1242	<0.065 ug/L
Aroclor-1248	<0.065 ug/L
Aroclor-1254	<0.065 ug/L
Aroclor-1260	<0.065 ug/L
Total Organic Carbon	<100 mg/kg

<: Analyte detected below detection limit shown.

TABLE 3

SUMMARY OF PCBS IN SEDIMENT BY AROCHLOR
TWO MILE CREEK INVESTIGATION

GENERAL ELECTRIC INTERNATIONAL
TONAWANDA, NEW YORK

Parameter	OF (1-2) 11/6/02.	DS-1 (0-0.5) 11/6/02	DS-1 (0.5-1) 11/6/02	DS-1 (1-2) 11/6/02	DS-2 (0-0.5) 11/6/02	DS-2 (0.5-1) 11/6/02	DS-2 (1-2) 11/6/02	DS-3 (0-0.5) 11/6/02	DS-3 (0.5-1) 11/6/02	DS-3 (1-2) 11/6/02	DS-4 (0-0.5) 11/6/02	DUP-1 11/6/02 at DS-3 (0-0.5)	DUP-2 11/6/02 at US-2 (0-0.5)
Arochlor - 1016	<170	<39	<42	<170	<180	<190	<170	<470	<280	<190	<43	<170	<160
Arochlor - 1221	<170	<39	<42	<170	<180	<190	<170	<470	<280	<190	<43	<170	<160
Arochlor - 1232	<170	<39	<42	<170	<180	<190	<170	<470	<280	<190	<43	<170	<160
Arochlor - 1242	<170	<39	<42	<170	<180	<190	<170	<470	<280	<190	<43	<170	<160
Arochlor - 1248	**330**	**140**	**180**	**300**	**280**	**360**	**490**	**980**	**2,800**	**670**	<43	**490**	**200**
Arochlor - 1254	**420**	**180**	**200**	**270**	**510**	**480**	**480**	**1,000**	**2,000**	**780**	**86**	**650**	**270**
Arochlor - 1260	<170	<39	<42	<170	<180	<190	<170	<470	<280	<190	<43	<170	<160
Total PCBs	**750**	**320**	**380**	**570**	**790**	**840**	**970**	**1,980**	**4,800**	**1,450**	**86**	**1,140**	**470**

J: Estimated value
<: Analyte detected below detection limit shown.
Units are ug/kg.

TABLE 3

SUMMARY OF PCBS IN SEDIMENT BY AROCHLOR
TWO MILE CREEK INVESTIGATION

GENERAL ELECTRIC INTERNATIONAL
TONAWANDA, NEW YORK

Parameter	US-1 (0-0.5) 11/6/02	US-1 (0.5-1) 11/6/02	US-1 (1-2) 11/6/02	US-2 (0-0.5) 11/6/02	US-2 (0.5-1) 11/6/02	US-2 (1-2) 11/6/02	US-3 (0-0.5) 11/6/02	US-3 (0.5-1) 11/6/02	US-3 (1-2) 11/6/02	US-4 (0-0.5) 11/6/02	US-4 (0.5-1) 11/6/02	OF (0-0.5) 11/6/02	OF (0.5-1) 11/6/02
Arochlor - 1016	<170	<42	<39	<160	<160	<150	<180	<190	<170	<170	<170	<160	<170
Arochlor - 1221	<170	<42	<39	<160	<160	<150	<180	<190	<170	<170	<170	<160	<170
Arochlor - 1232	<170	<42	<39	<160	<160	<150	<180	<190	<170	<170	<170	<160	<170
Arochlor - 1242	<170	<42	<39	<160	<160	<150	<180	<190	<170	<170	<170	<160	<170
Arochlor - 1248	**170**	<42	<39	**170**	**310**	**560**	**260**	**360**	**440**	**280**	**340**	**320**	**610**
Arochlor - 1254	**280**	**97**	**22 J**	**410**	**640**	**380**	**300**	**560**	**440**	**290**	**1,000**	**300**	**500**
Arochlor - 1260	<170	<42	<39	<160	<160	<150	<180	<190	<170	<170	<170	<160	<170
Total PCBs	**450**	**97**	**22 J**	**580**	**950**	**940**	**560**	**920**	**880**	**570**	**1,340**	**620**	**1,110**

J: Estimated value
<: Analyte detected below detection limit shown.
Units are ug/kg.

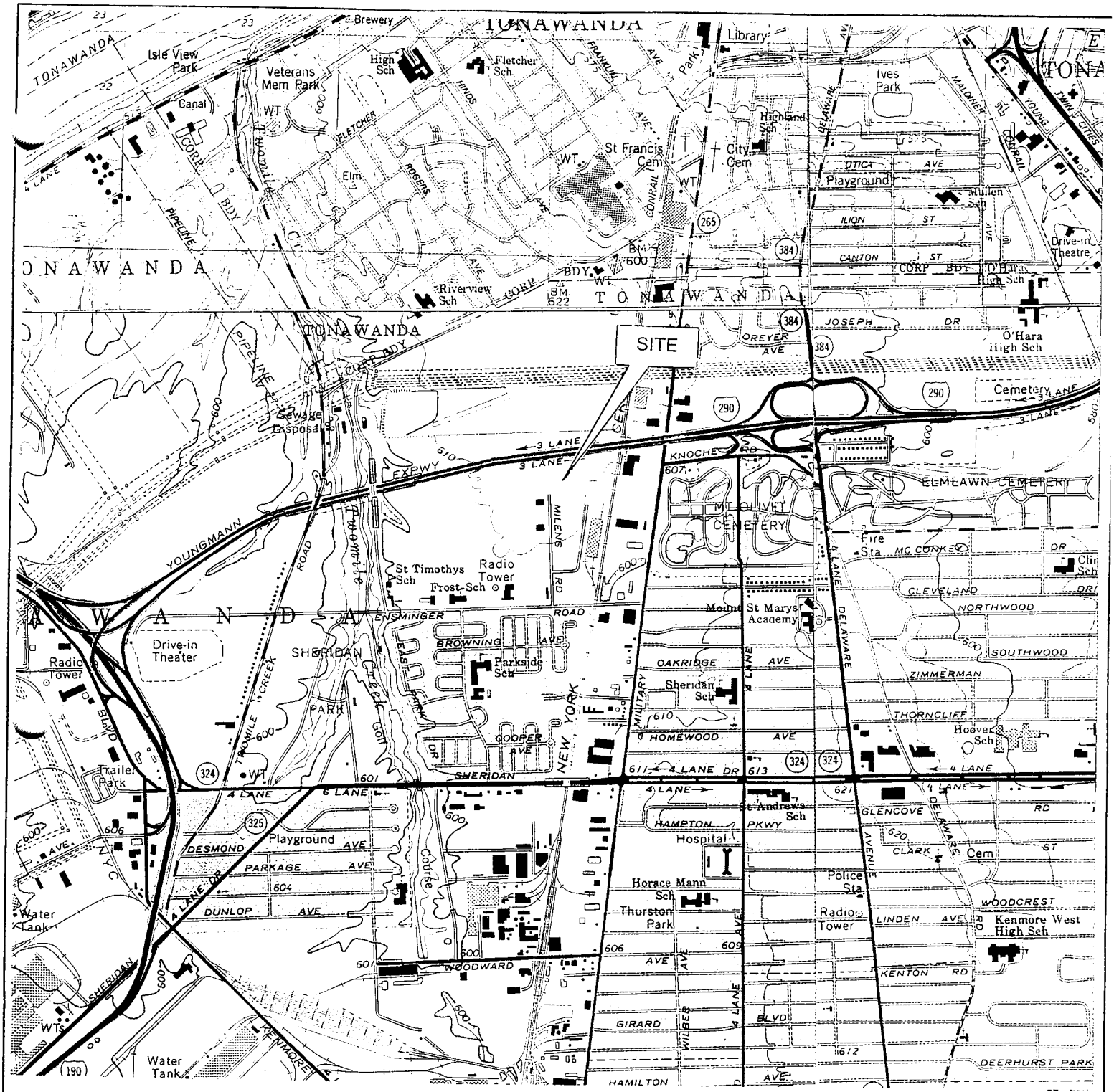


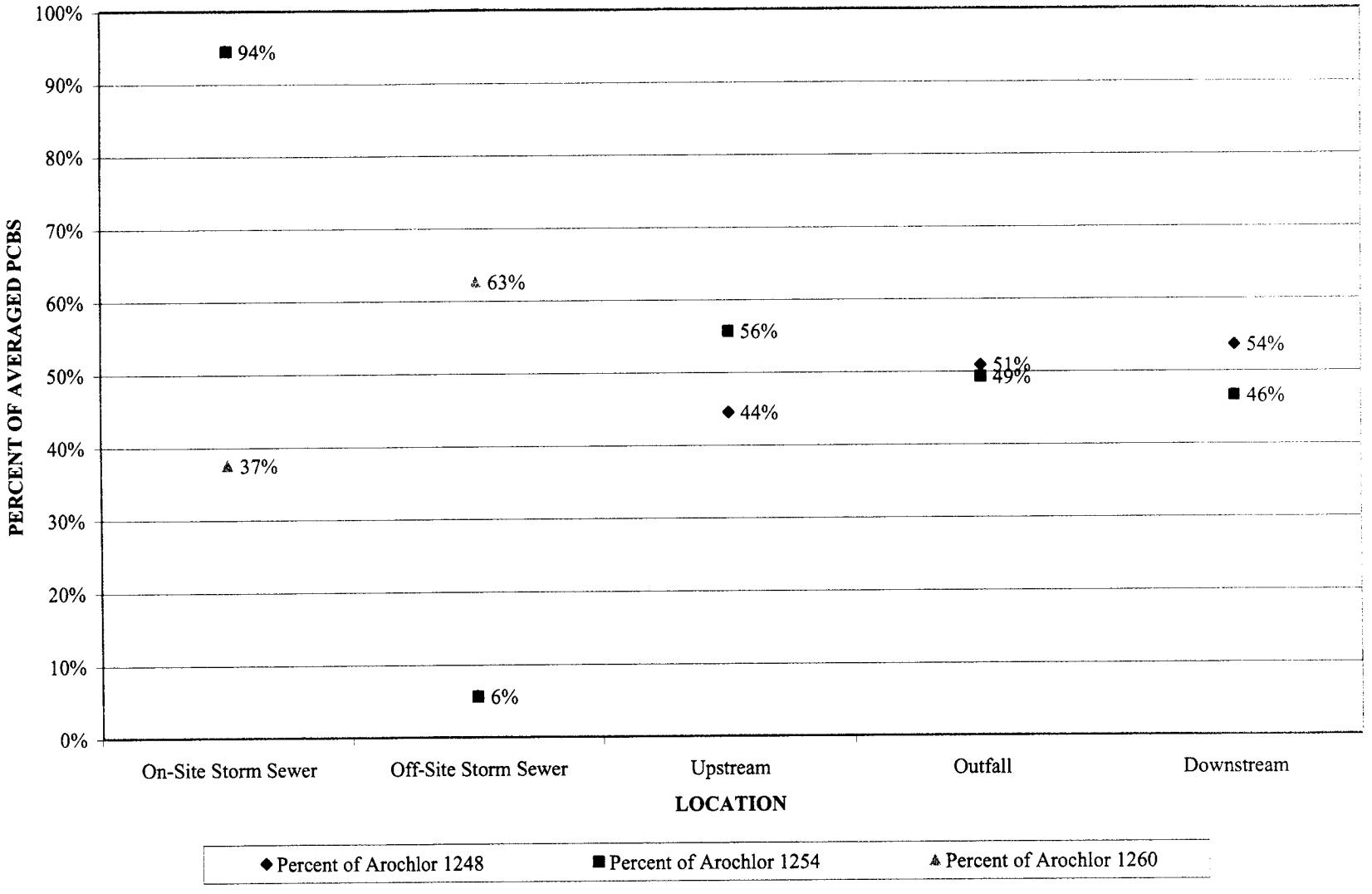
FIGURE 1	SITE LOCATION
	175 MILENS ROAD TONAWANDA, NEW YORK
URS	646 PLANK ROAD, SUITE 202 CLIFTON PARK, NEW YORK 12065

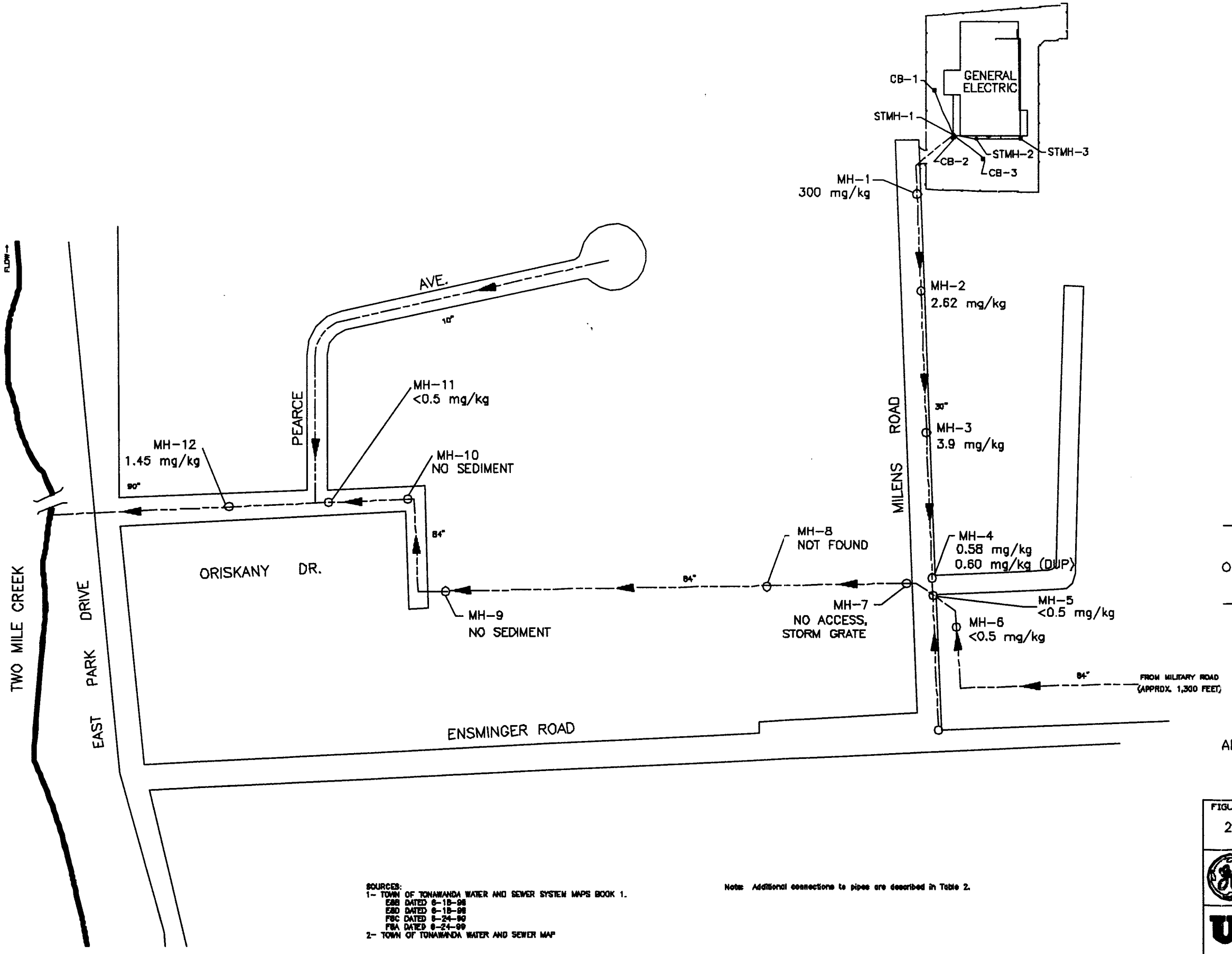
CONTOUR INTERVAL = 10 FEET

REFERENCE
USGS 7.5 MINUTE TOPOGRAPHIC MAPS:
BUFFALO NORTHWEST QUADRANGLE 1965
BUFFALO NORTHEAST QUADRANGLE 1965
TONAWANDA WEST QUADRANGLE 1980
TONAWANDA EAST QUADRANGLE 1980

85030-44 03/29/00

FIGURE 5
PROFILE OF AVERAGE AROCHLOR PERCENTAGE BY LOCATION





SOURCES:
1- TOWN OF TONAWANDA WATER AND SEWER SYSTEM MAPS BOOK 1.
E8B DATED 6-15-98
E8D DATED 6-15-98
F8C DATED 6-24-99
F8A DATED 6-24-99
2- TOWN OF TONAWANDA WATER AND SEWER MAP

Note: Additional connections to pipes are described in Table 2.

85030-58-6 06/04/01

FIGURE 2

STORM SEWER SAMPLING RESULTS

175 MILENS ROAD
TONAWANDA, NEW YORK

URS

646 PLANK ROAD, SUITE 202
CLIFTON PARK, NEW YORK 12065

LEGEND

US-1 (50') SEDIMENT SAMPLE LOCATION

FLAG (50') FLAG LOCATION (MEASURED DISTANCE FROM OUTFALL)

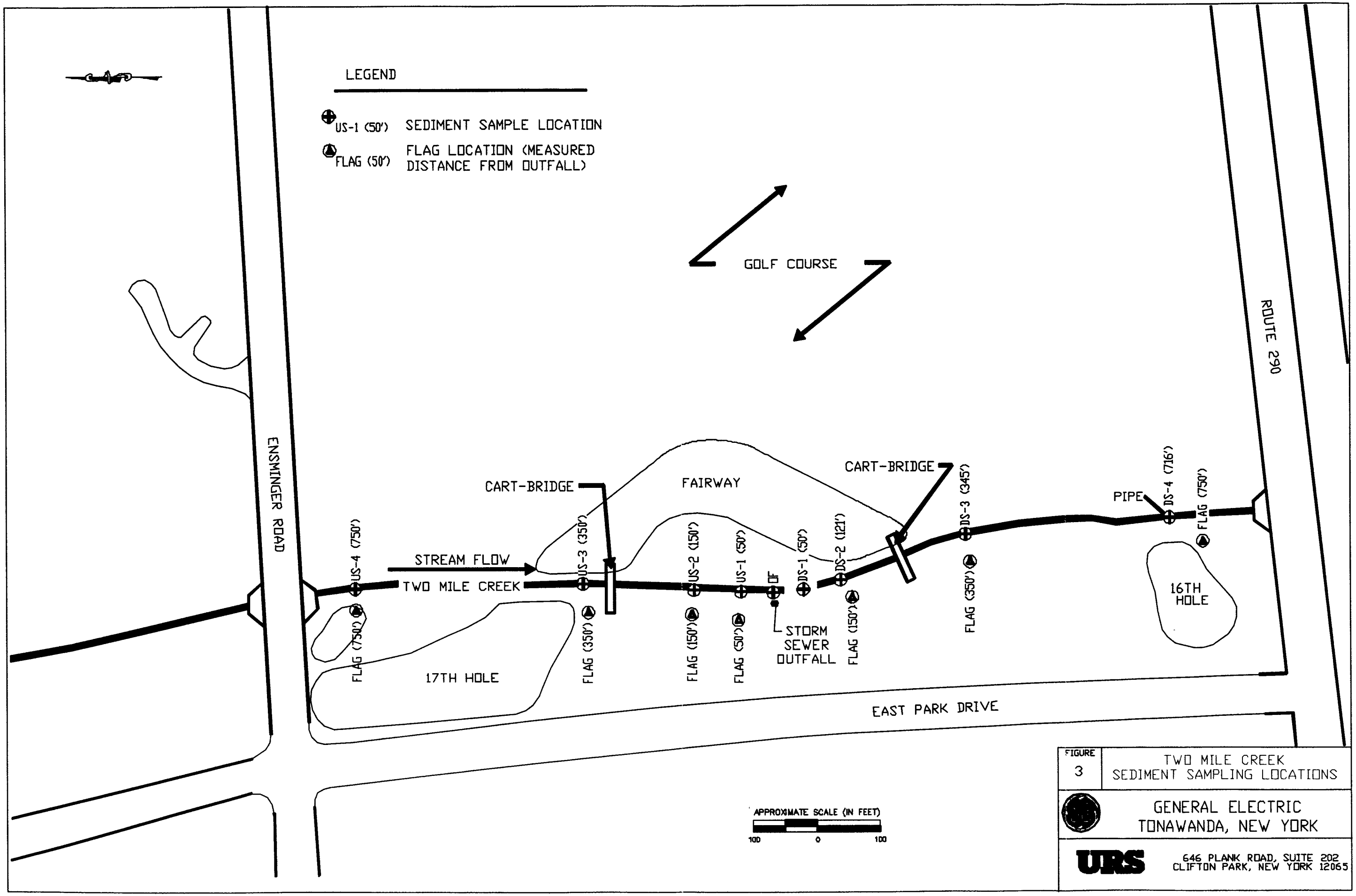


FIGURE 3

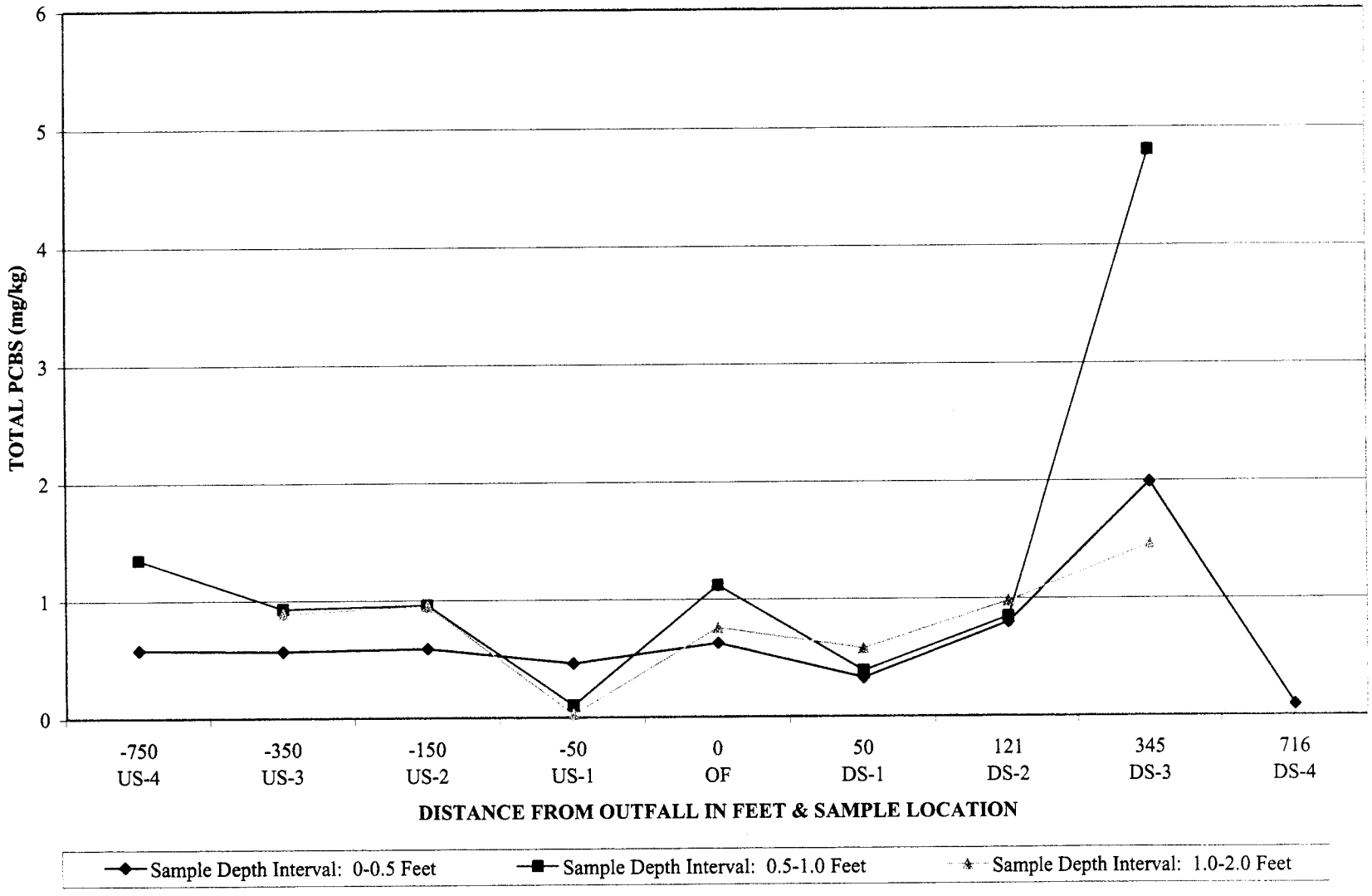
TWO MILE CREEK
SEDIMENT SAMPLING LOCATIONS

GENERAL ELECTRIC
TONAWANDA, NEW YORK

URS

646 PLANK ROAD, SUITE 202
CLIFTON PARK, NEW YORK 12065

FIGURE 4
PROFILE OF TOTAL PCBS BY DEPTH



GE-Tonawanda: Two Mile Creek
38393673/675/graph data

URS Corporation
1/21/2003

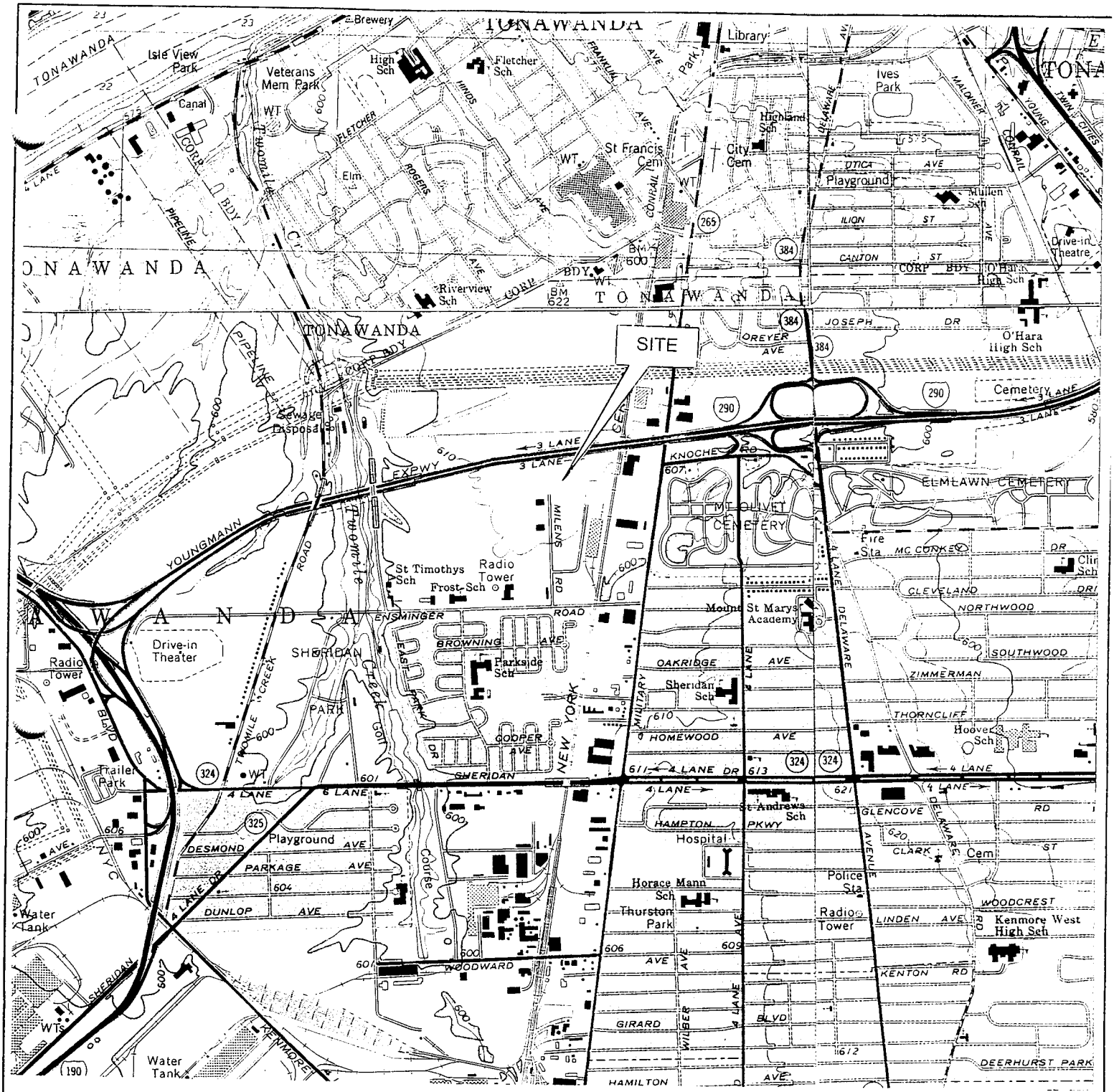


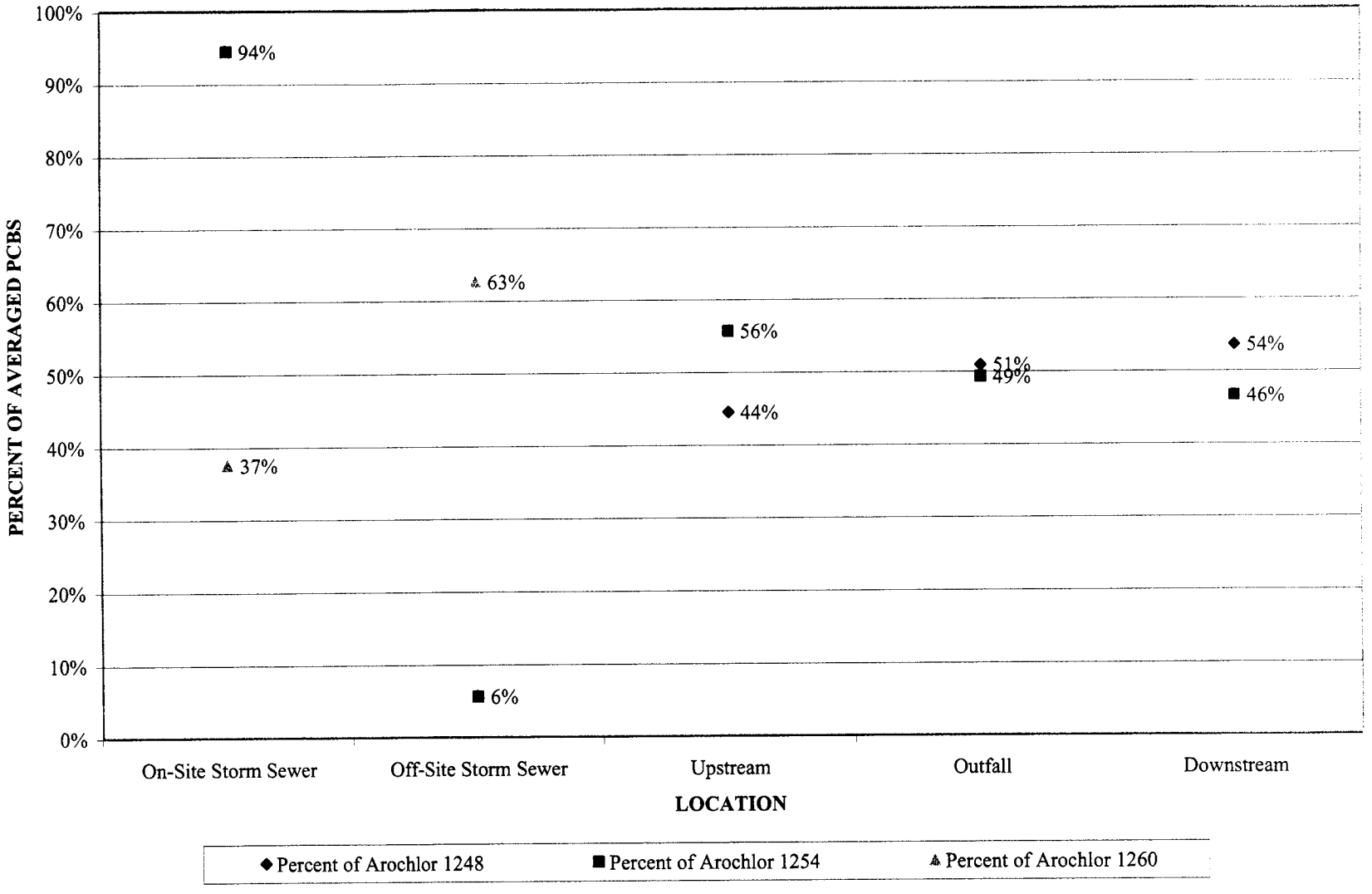
FIGURE 1	SITE LOCATION
	175 MILENS ROAD TONAWANDA, NEW YORK
URS	646 PLANK ROAD, SUITE 202 CLIFTON PARK, NEW YORK 12065

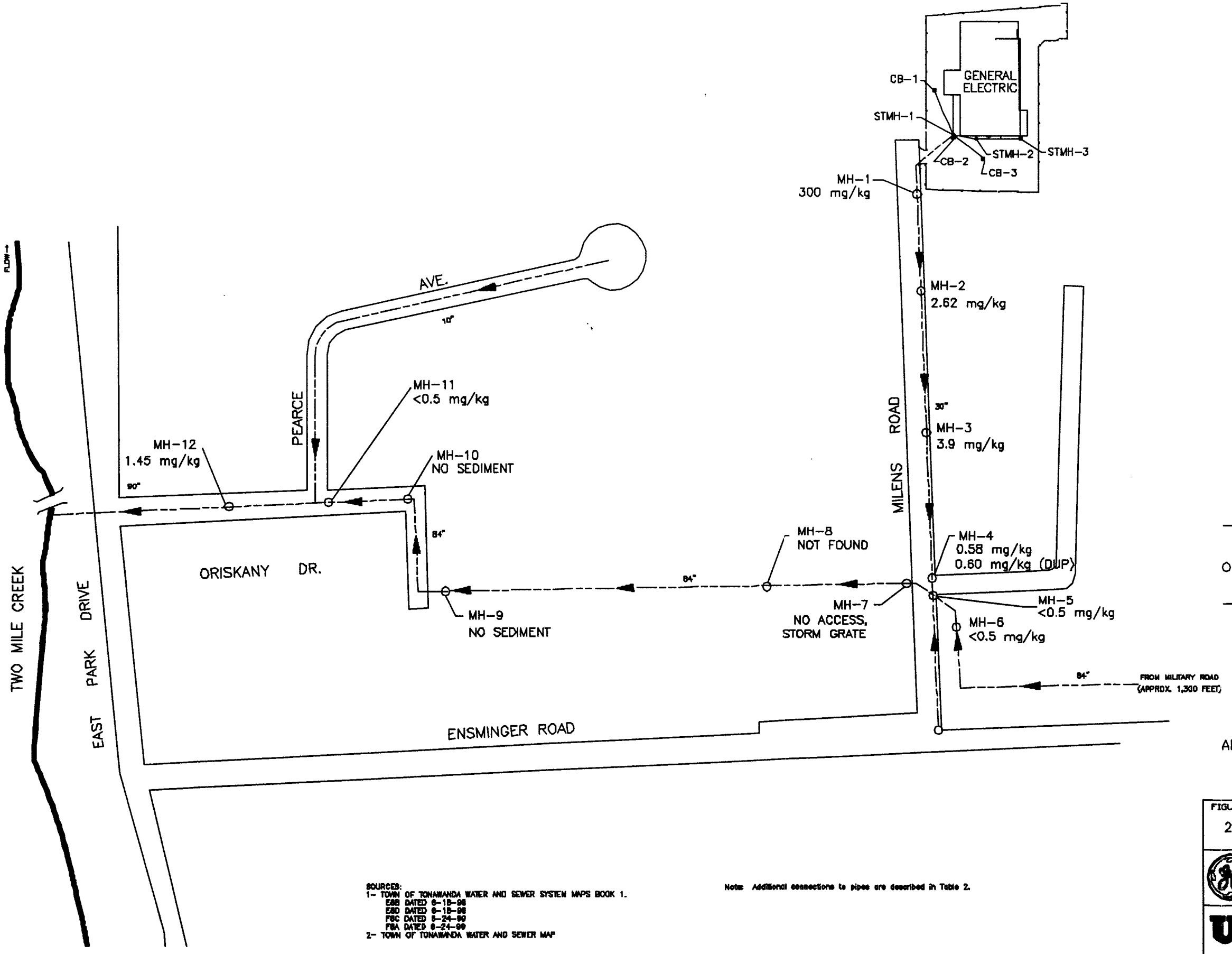
CONTOUR INTERVAL = 10 FEET

REFERENCE
USGS 7.5 MINUTE TOPOGRAPHIC MAPS:
BUFFALO NORTHWEST QUADRANGLE 1965
BUFFALO NORTHEAST QUADRANGLE 1965
TONAWANDA WEST QUADRANGLE 1980
TONAWANDA EAST QUADRANGLE 1980

85030-44 03/29/00

FIGURE 5
PROFILE OF AVERAGE AROCHLOR PERCENTAGE BY LOCATION





SOURCES:
1- TOWN OF TONAWANDA WATER AND SEWER SYSTEM MAPS BOOK 1.
E8B DATED 6-15-98
E8D DATED 6-15-98
F8C DATED 6-24-99
F8A DATED 6-24-99
2- TOWN OF TONAWANDA WATER AND SEWER MAP

Note: Additional connections to pipes are described in Table 2.

85030-58-6 06/04/01

FIGURE 2

STORM SEWER SAMPLING RESULTS

175 MILENS ROAD
TONAWANDA, NEW YORK

URS

646 PLANK ROAD, SUITE 202
CLIFTON PARK, NEW YORK 12065

LEGEND

US-1 (50') SEDIMENT SAMPLE LOCATION

FLAG (50') FLAG LOCATION (MEASURED DISTANCE FROM OUTFALL)

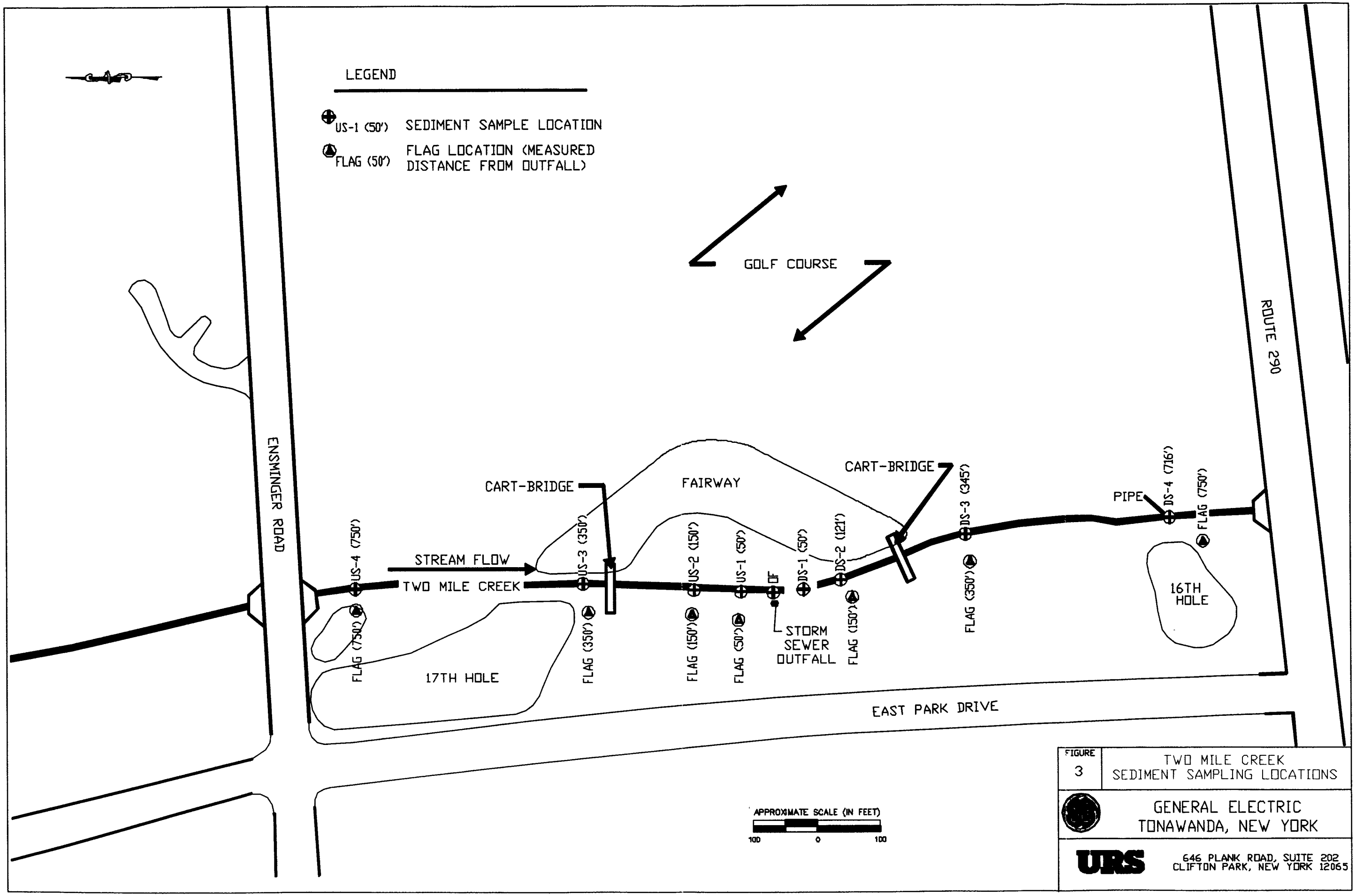


FIGURE 3

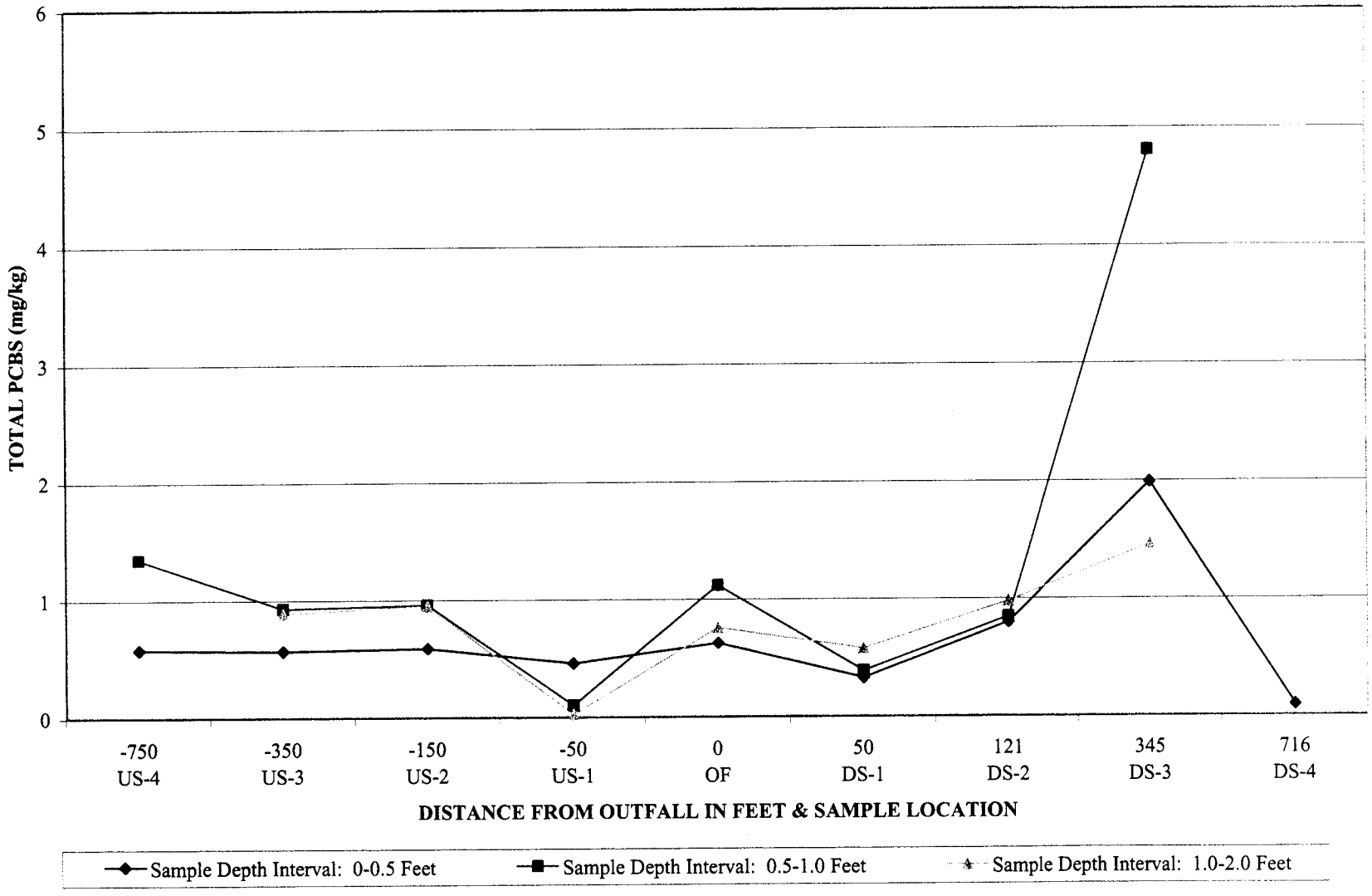
TWO MILE CREEK
SEDIMENT SAMPLING LOCATIONS

GENERAL ELECTRIC
TONAWANDA, NEW YORK

URS

646 PLANK ROAD, SUITE 202
CLIFTON PARK, NEW YORK 12065

FIGURE 4
PROFILE OF TOTAL PCBS BY DEPTH



GE-Tonawanda: Two Mile Creek
38393673/675/graph data

URS Corporation
1/21/2003

Photo 1: DS-4 View to north, toward 290.

Photo 2: DS-4 View to south, towards Ensminger Road.

Photos 3 and 4: DS-4 View of east bank (left) and west bank (right).

Photo 5: DS-3 URS sampling.

Photo 6: DS-3 View to south, towards Ensminger Road.

Photo 7: DS-2 View to south, towards Ensminger Road.

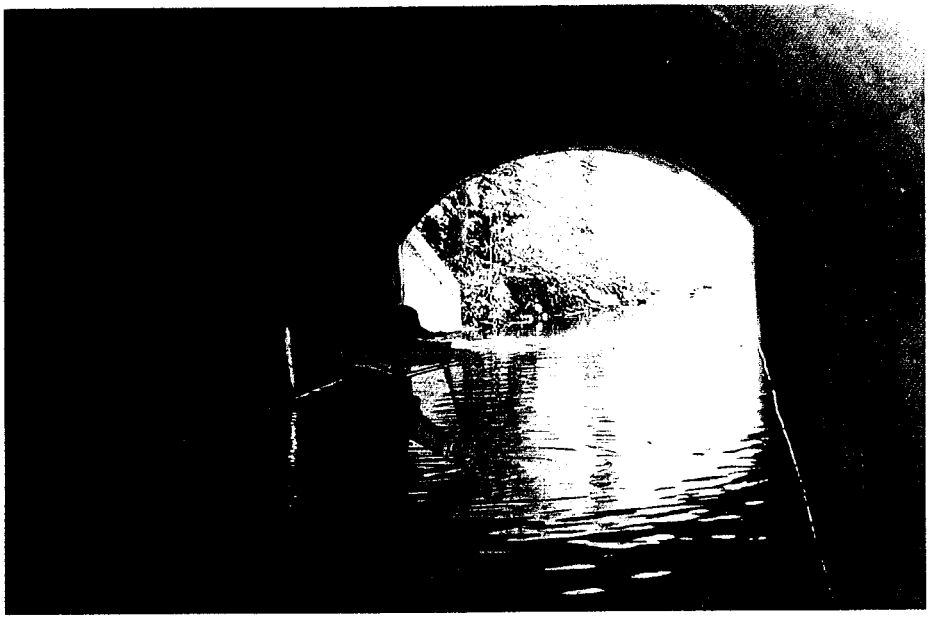


Photo 8: DS-1 URS sampling in culvert (view to south).

Photo 9: Outfall View to northeast.

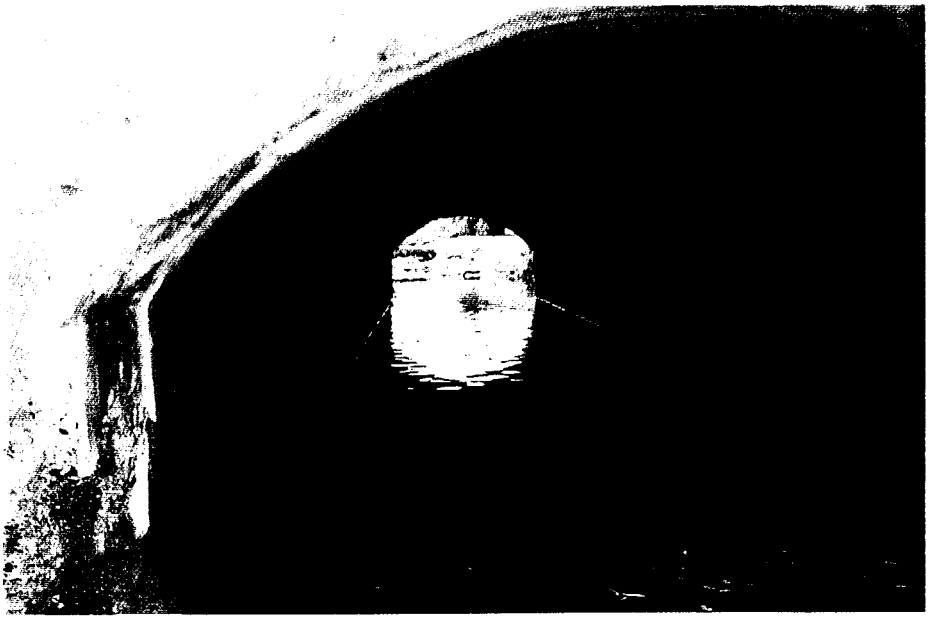


Photo 10: Outfall View of tunnel culvert looking north.

Photo 11: US-1 View to south.

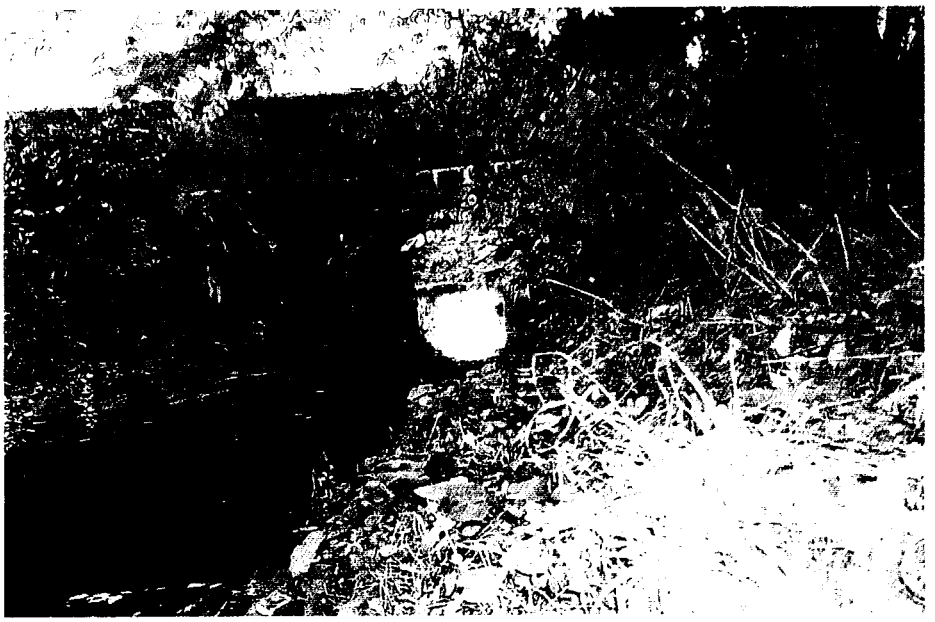


Photo 12: US-1 View to north, toward outfall.

Photo 13: US-2 View to north.

Photo 14: US-2 View to south.

Photo 15: US-2 View to south with sample location stake.

Photo 16: US-2 Pipe on east bank.

Photo 17: US-3 View to south.

Photo 18: US-3 View to south with sample location stake.

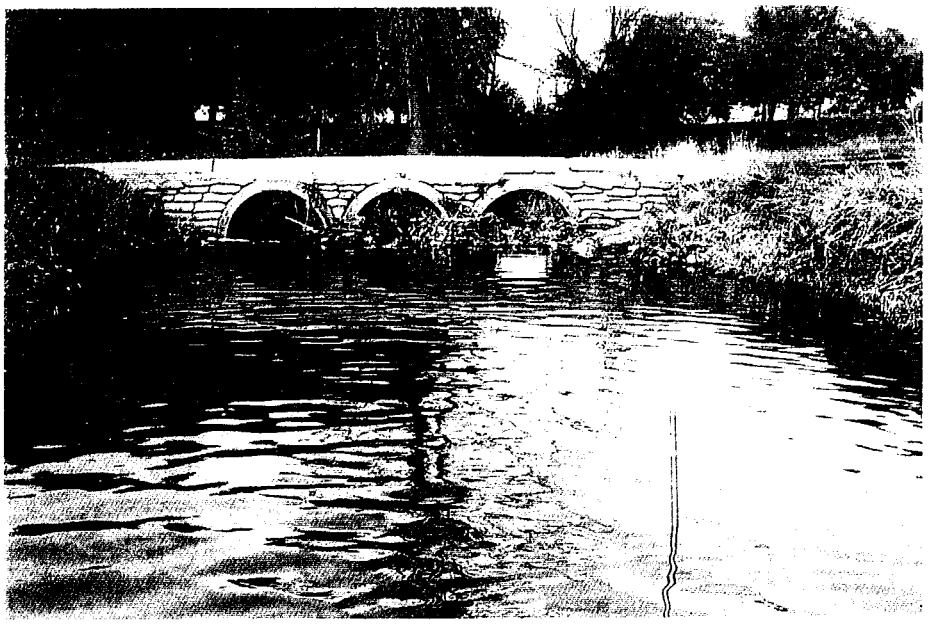


Photo 19: URS-3 View to north with sample location stake.

Photo 20: URS-4 View to north with sample location stake.

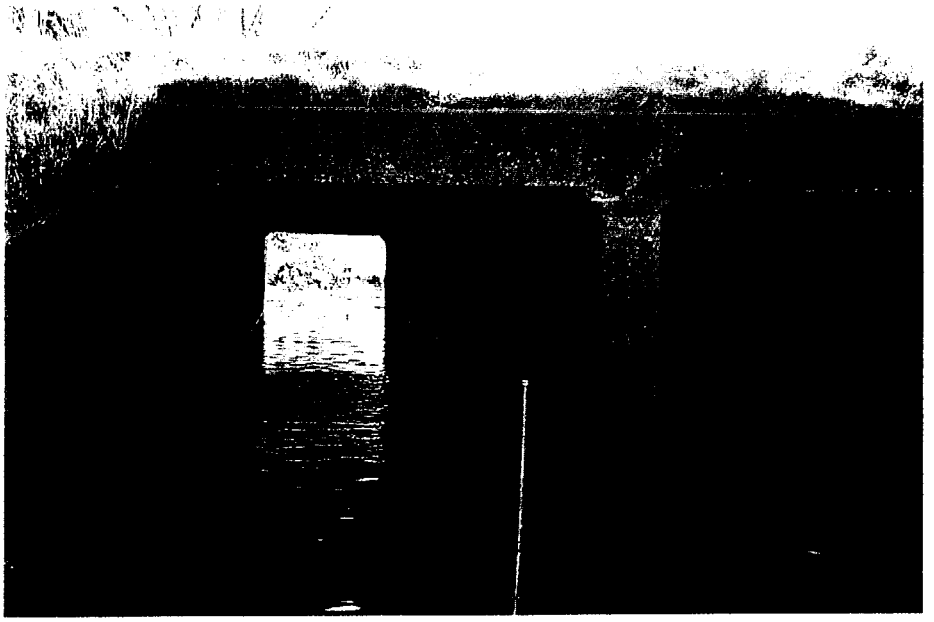
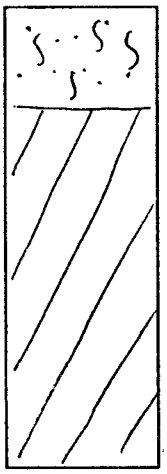


Photo 21: URS-4 View to south, towards Ensminger Road.

Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: DS-4
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, (750)
Measured Distance (in Feet) From Outfall: 716
Total Depth of Sediment: 0 - 0.5'
Bottom feels like... Hard bottom; rocky · very little sediment
Stream Width (measured or estimated): 16'
Water Depth: 1.0'
Flow Description: low flow
Stream Description: low visibility, murky. no major meanders. brown green



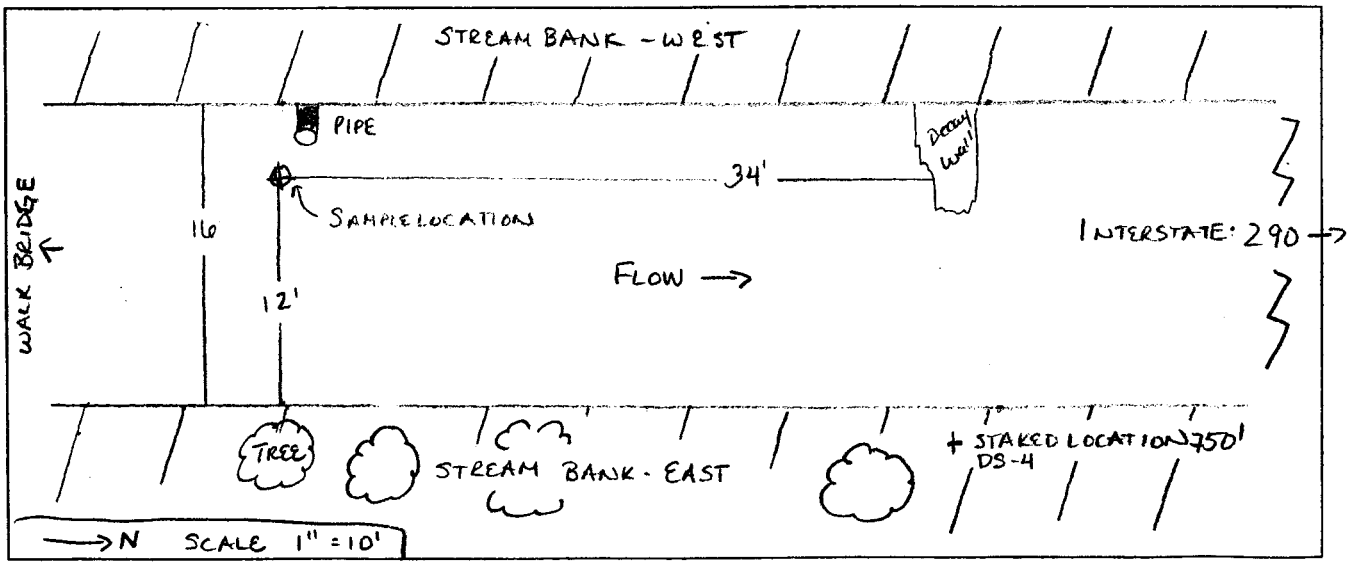
0-6 inch interval, Sediment Description: Silt, sub angular to sub rounded gravel, clay. Medium brown (Gravel f-coarse)

6-12 inch interval, Sediment Description: Lt. Brown clay, trace Subrounded gravel (f-coarse). No Sample

1-2 foot interval, Sediment Description: As above

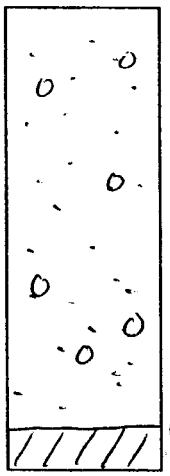
If encountered, description of material beneath sediment: NA

Additional Comments: Auger kicks up sheen. Sample collect from area around discovered underground pipe (~10" diameter submerged). Used hand augers to collect sample.
Photos: 1: View to north (290) 2: View to south (Ensminger) 3: East bank 4: West bank
Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: DS-3
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, (350), 750
Measured Distance (in Feet) From Outfall: 345
Total Depth of Sediment: 1.8'
Bottom feels like... Soft, decaying leaves, some sandier areas
Stream Width (measured or estimated): 26'
Water Depth: 14"
Flow Description: low flow
Stream Description: low visibility, murky - no apparent sheen. Brown-green



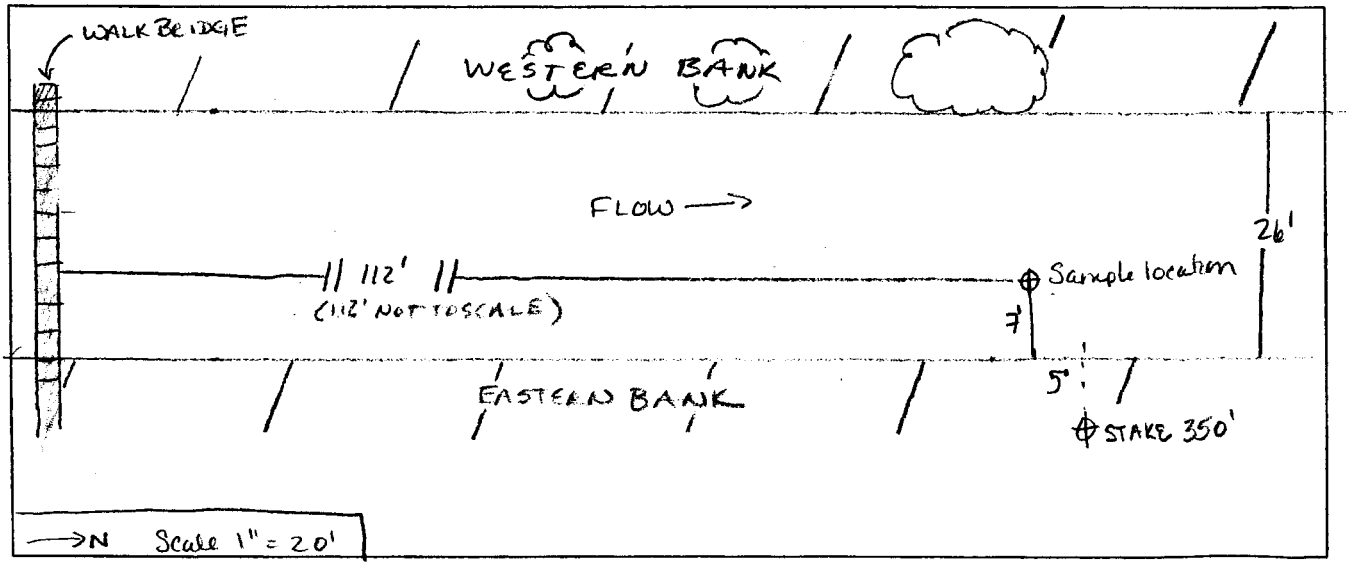
0-6 inch interval, Sediment Description: Black f-coarse sand, f rd gravel with leaves (decay) and wood.
Sample time: 10:15
6-12 inch interval, Sediment Description: As above
Sample time 10:20

1-2 foot interval, Sediment Description: As above to 1.8', then clay
Sample time 10:25

If encountered, description of material beneath sediment: Clay.

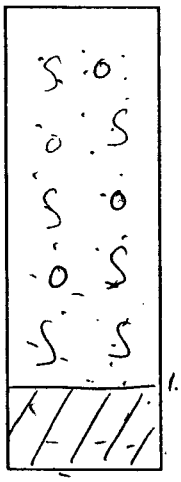
Additional Comments: Dup-1 (0-0.5') collected here.
Used hand auger to sample. (decanned from DS-4).
Photos. 5 View of URS Sampling
6 : View to South (Ensminger)

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: DS-2
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: 121
Total Depth of Sediment: 1.5'
Bottom feels like... Large boulders w/ pockets of softer material
Stream Width (measured or estimated): 28'
Water Depth: 34"
Flow Description: low flow
Stream Description: low visibility - brown green

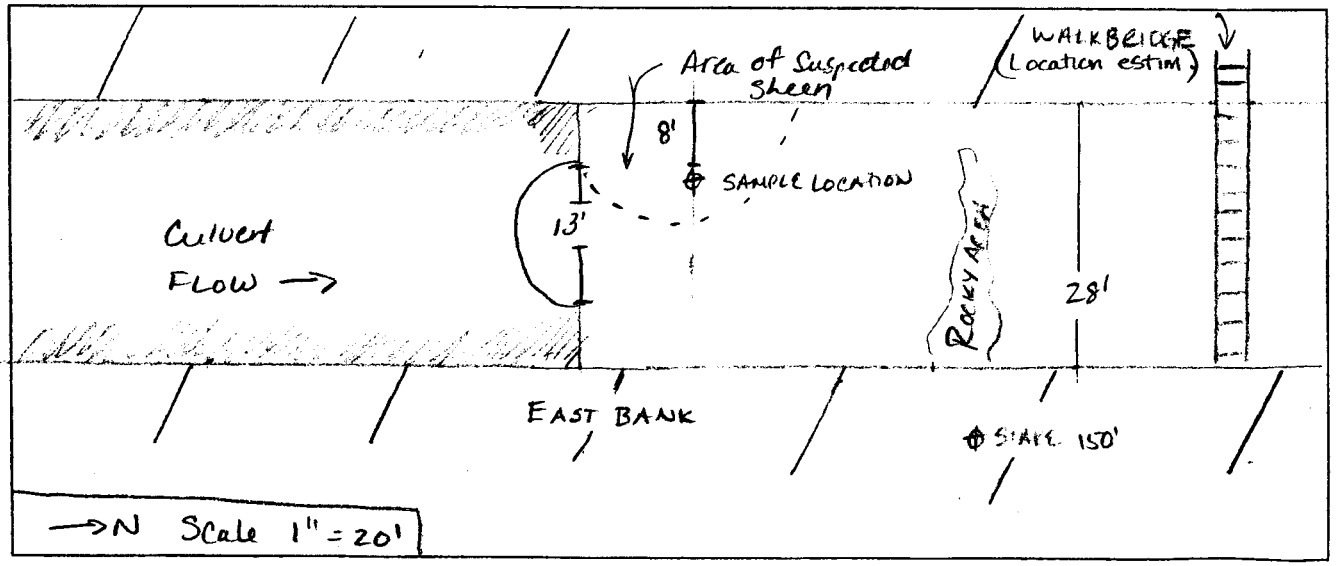


0-6 inch interval, Sediment Description: Black Silt, f-coarse sand, f-medium subang. gravel. Strong odor (?). Sheen kicked up. Sample time 10:47
6-12 inch interval, Sediment Description: As Above
Sample time 10:50

1-2 foot interval, Sediment Description: As Above to 1.5'
1.5-2.0 Clay. - lt brown.
Sample time 10:55
If encountered, description of material beneath sediment: Clay

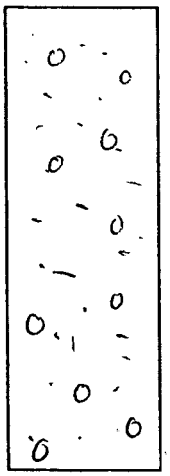
Additional Comments: Sheen on water, strong odor (oil?). Location moved to area noted by M. Colmerauer (URS) as having a sheen. NYDEC confirmed and agreed on location. Used hand auger
Photo 7: view to south toward Ensminger

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: DS-1
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: (50), 150, 350, 750
Measured Distance (in Feet) From Outfall: 50'
Total Depth of Sediment: 2'
Bottom feels like... Boulders and soft sandy material
Stream Width (measured or estimated): 13' (width of culvert)
Water Depth: 30"
Flow Description: low flow.
Stream Description: cloudy brownish-green



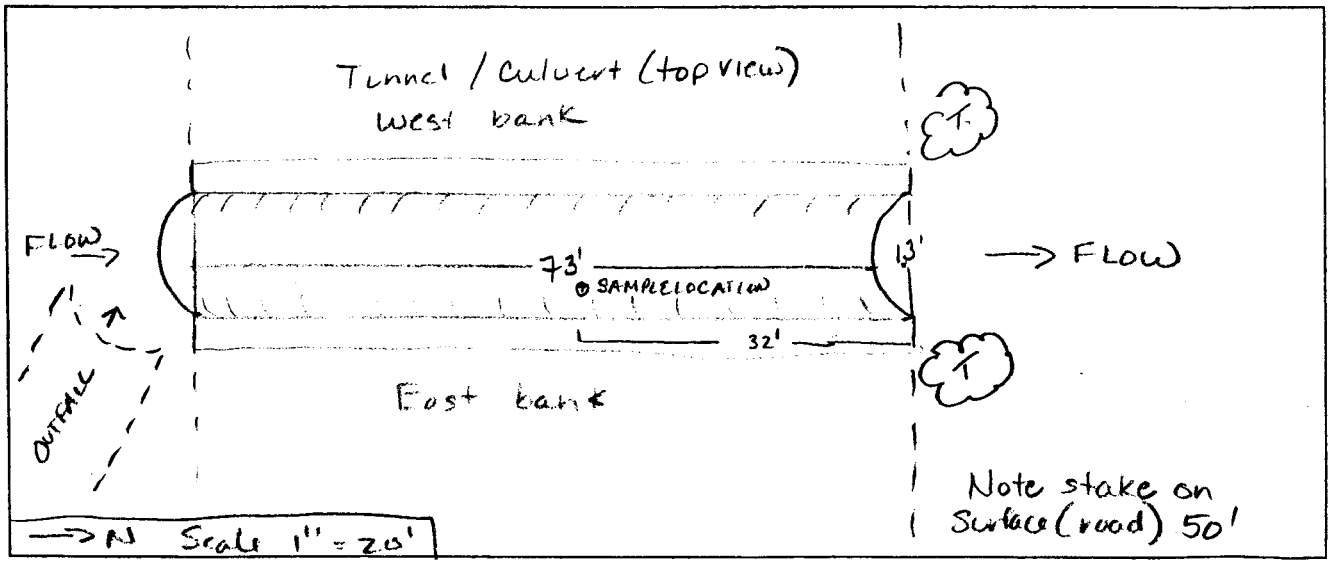
0-6 inch interval, Sediment Description: Black f-coarse sand, f-medium sub ang gravel, some organics
Sample time 11:05
6-12 inch interval, Sediment Description: As Above
Sample time 11:10

1-2 foot interval, Sediment Description: As Above
Sample time 11:15

If encountered, description of material beneath sediment: Clay encountered beyond 2.0'

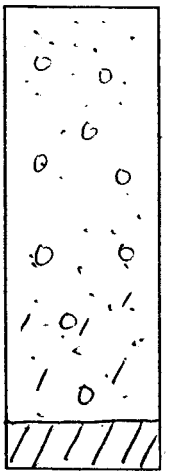
Additional Comments: Used hand augers. Samples collected from inside Culvert.
Photo: 8: URS sample point in culvert / tunnel (view to South)

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: OF
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: NA
Total Depth of Sediment: 1.9'
Bottom feels like... concrete and sand, dead leaves
Stream Width (measured or estimated): 18'
Water Depth: 1.0'
Flow Description: low flow
Stream Description: murky, sheen present



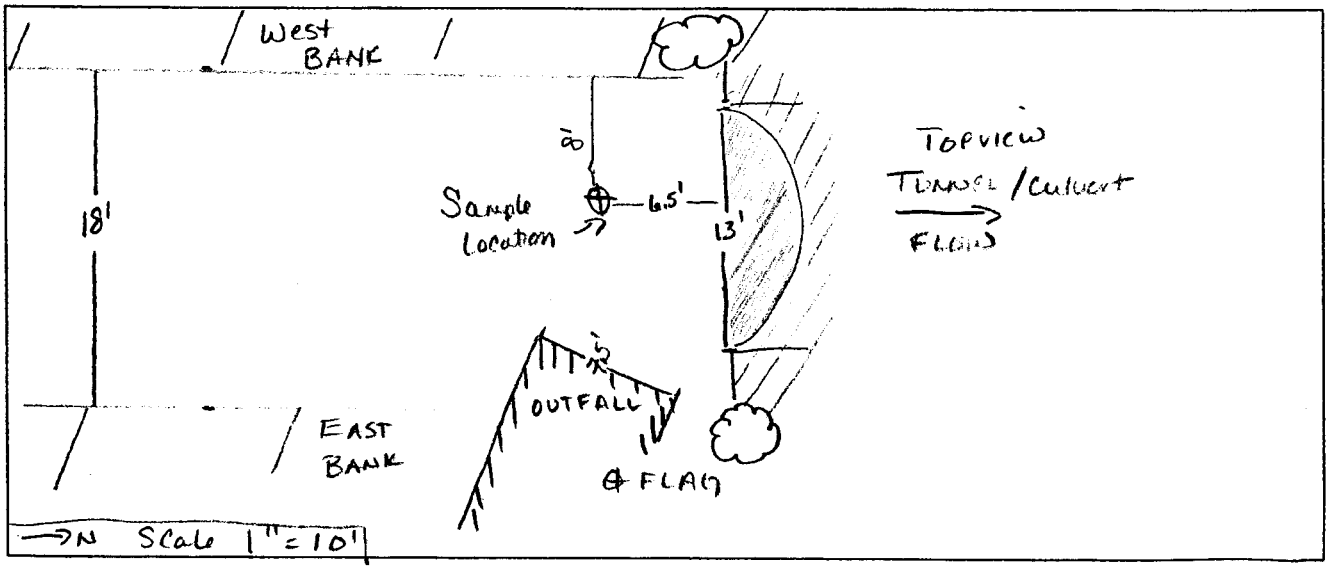
0-6 inch interval, Sediment Description: Dark brown to black fine sand and f-c subang gravel.
Sample time 1150
6-12 inch interval, Sediment Description: As Above
Sample time 11:55

1-2 foot interval, Sediment Description: As Above with 5% clay mixed in sediment. (to 1.9')

If encountered, description of material beneath sediment: Clay

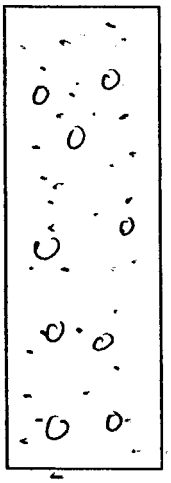
Additional Comments: Used hand auger
Photo: 9 view of outfall (view to northeast)
10 View of culvert (looking ~~south~~ north)

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: US-1
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: 50'
Total Depth of Sediment: 2.5'
Bottom feels like... Soft silty sand
Stream Width (measured or estimated): 21'
Water Depth: 28"
Flow Description: low flow
Stream Description: semi-clear until disturbed, then murky. brown-green



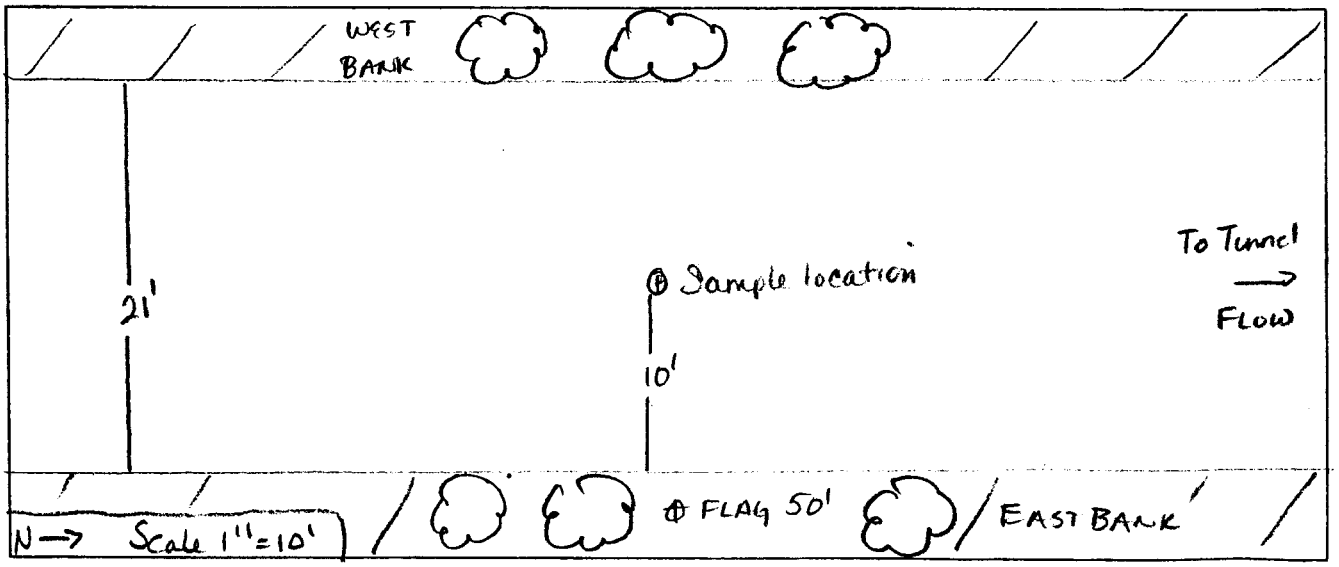
0-6 inch interval, Sediment Description: Black to dk brown fine to coarse sand, f-medium sub angular gravel, decay leaves. Sample time 12:25
6-12 inch interval, Sediment Description: As above
Sample time 12:30

1-2 foot interval, Sediment Description: Med. brown fine sand some clay, trace silt.

If encountered, description of material beneath sediment: Clay starts at 2.5'

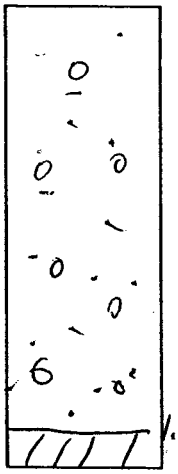
Additional Comments: MS/MSD-1 collected here (0-0.5') Used hand auger
Photos: 11: US-1 view to south
12: US-1 view to north toward outfall.

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

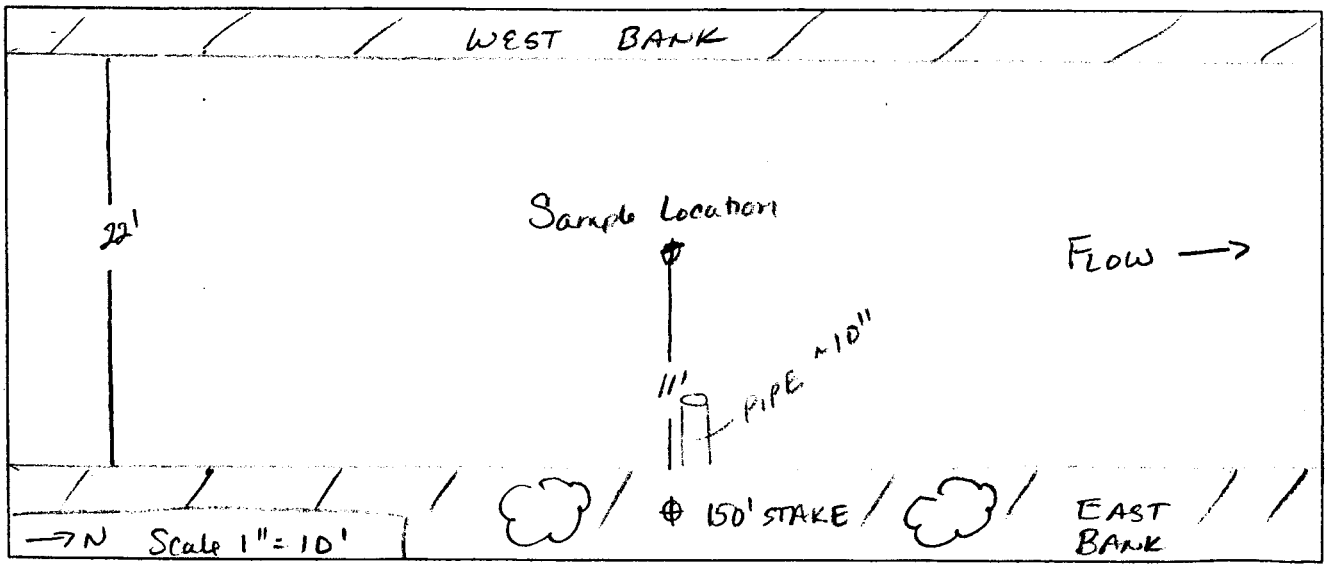
Sampling Location: US-2
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: 150'
Total Depth of Sediment: 1.8'
Bottom feels like... soft
Stream Width (measured or estimated): 22'
Water Depth: 10"
Flow Description: slow flow
Stream Description: murky brown green



0-6 inch interval, Sediment Description: Black f-coarse sand, fine rounded gravel, organics, trace silt.
Sample time 12:50
6-12 inch interval, Sediment Description: As Above, sheen noted on sediment.
Sample time 12:55
1-2 foot interval, Sediment Description: As Above w/ clay (tan) mixed in sediment. (to 1.8').
Sample time 13:00
If encountered, description of material beneath sediment: Lt. brown/tan clay (V. Stiff w/ depth).

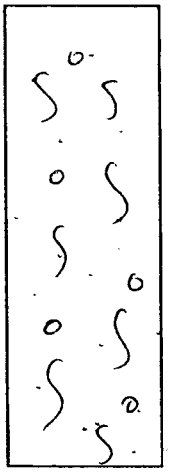
Additional Comments: Dup-2 (0-0.5') Collected here. Used hand auger. Photos. 13: View to north. 14/15 Same: View to south photo (15 Shows sample stake). 16: View of pipe on east bank Pipe noted along bank.

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

Sampling Location: US-3
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: 350'
Total Depth of Sediment: 1.0'
Bottom feels like... Soft
Stream Width (measured or estimated): 22'
Water Depth: 10"
Flow Description: slow flow
Stream Description: murky brown green



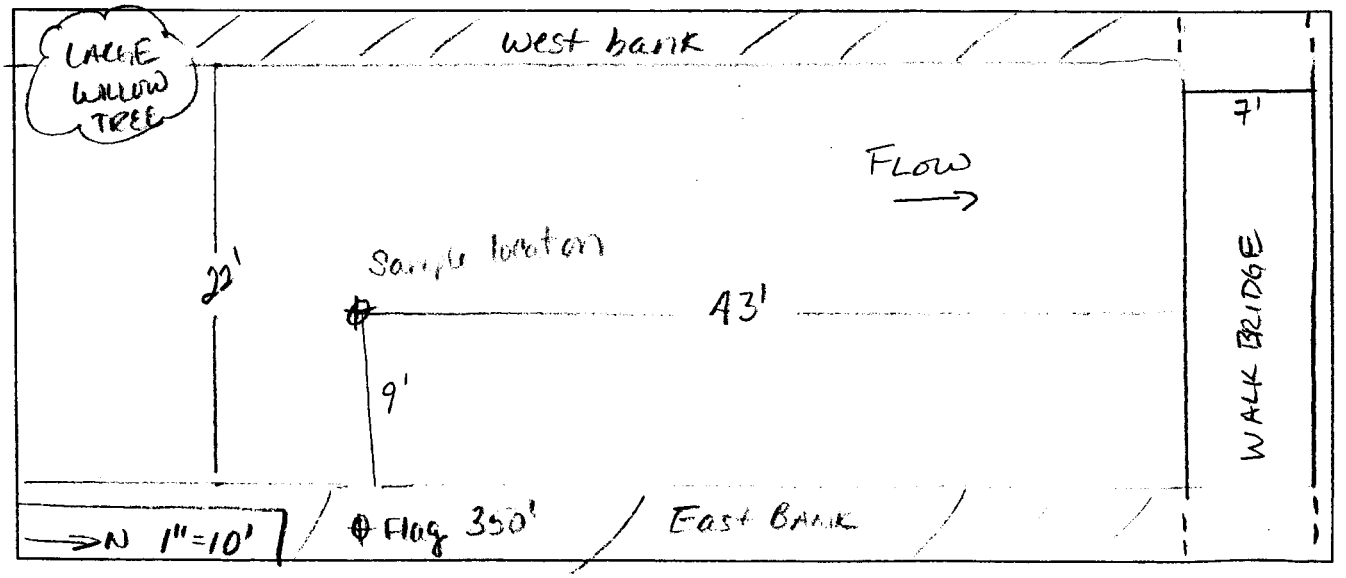
0-6 inch interval, Sediment Description: Dk brown - black fine sand, silt with fine rounded gravel.
Sample time 1345
6-12 inch interval, Sediment Description: As Above
Sample time 13:20

1-2 foot interval, Sediment Description: As Above
Sample time 13:25

If encountered, description of material beneath sediment: Clay - lite brown starts 2'3".

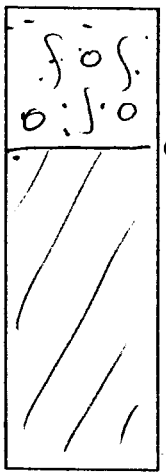
Additional Comments: Sheen noted on water surface. Used hand auger to collect samples.
Photo 19: View to north (no south photo)

Sketch of sampling location relative to stream width (please indicate flow direction):



Two Mile Creek Sampling
GE-Tonawanda
Tonawanda, New York

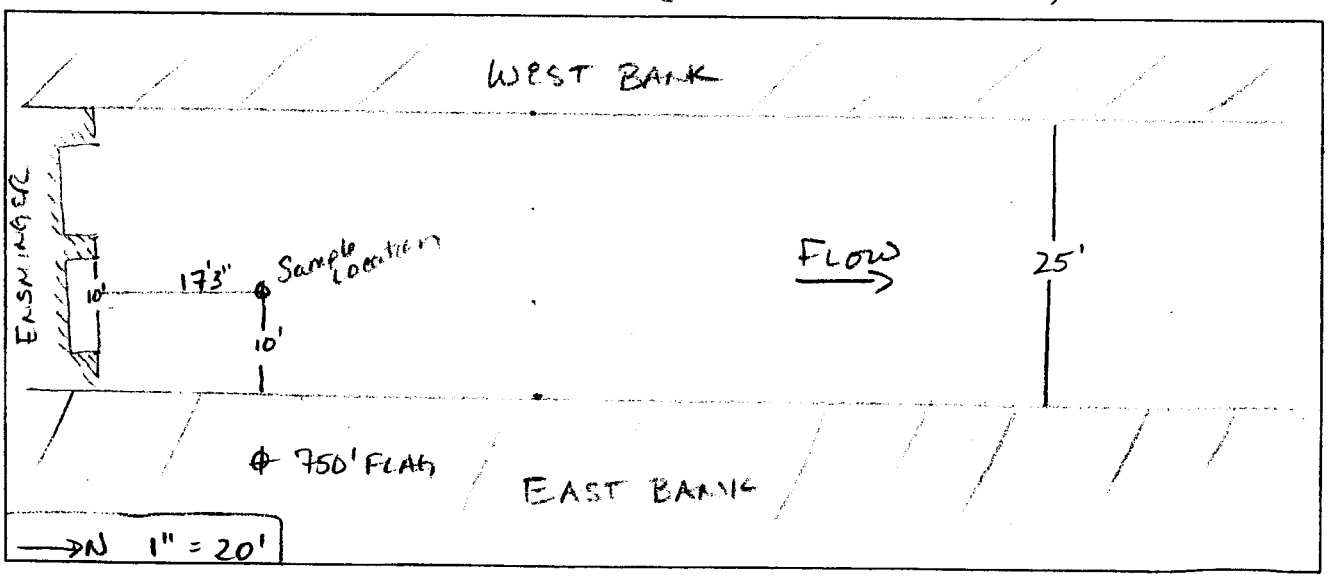
Sampling Location: WS-4
Date: 11-6-02
Approximate Distance (in Feet) From Outfall: 50, 150, 350, 750
Measured Distance (in Feet) From Outfall: 750'
Total Depth of Sediment: 0.8'
Bottom feels like... soft
Stream Width (measured or estimated): 25'
Water Depth: 10"
Flow Description: slow flow
Stream Description: murky brownish green, little meanders



0-6 inch interval, Sediment Description: DK Brn - black fine sand silt, fine rounded gravel. Sample time 13:30
6-12 inch interval, Sediment Description: silt shoe to 0.8' then dk brn clay.
1-2 foot interval, Sediment Description: Clay - no sample
If encountered, description of material beneath sediment: — (clay)

Additional Comments: MS/MSD-2 collected here (0.5-1.0'). Hand augers used to collect samples.
Photo 21: view to south
20 view to north

Sketch of sampling location relative to stream width (please indicate flow direction):



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December 12, 2002

URS/Dames & Moore
646 Plank Road
Suite 202
Clifton Park, New York 12065

Attention: Karen Peppin

Dear Ms. Peppin:

Enclosed please find the updated pages for the PCB's for sample US-4 (0.5-1.0) for the GE Tonawanda site (Case #: UR 0205, SDG #: DS-3 (0.5-1.0). The sample name has been corrected on all affected pages. These pages should replace those in the data package.

If you should have any other questions, please feel free to contact us.

Sincerely,

Christopher Hess
Quality Assurance Manager

RECEIVED
DEC 13 2002

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0.5-1.0)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0.5-1.0)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	340.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	170.	U

2E
SOIL SURROGATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1.0)	115	
2	PBLKU02	88	
3	DS-3 (0.5-1.0)	135	
4	DS-3 (1-2)	121	
5	DS-4 (0-0.5)	116	
6	DUP-1	131	
7	DUP-2	135	
8	PMSBU02	96	
9	US-4 (0.5-1.0) MS	134	
10	US-4 (0.5-1.0) MSD	125	
11	PBLKU3	81	
12	EB-1	108	
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30			

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

FORM II PEST-1 1/87 Rev.

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU02 Lab File ID: PBLKU02

Matrix: (soil/water) SOIL Level: (low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/17/02 Date Analyzed (2): 11/17/02

Time Analyzed (1): 3:50 Time Analyzed (2): 3:50

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	US-4 (0.5-1.0)	US-4 (0.5-1.0)	11/16/02	11/16/02
2	DS-3 (0.5-1.0)	US-3 (0.5-1.0)	11/17/02	11/17/02
3	DS-3 (1.0-2.0)	US-3 (1.0-2.0)	11/17/02	11/17/02
4	DS-4 (0-0.5)	DS-4 (0-0.5)	11/20/02	11/20/02
5	DUP-1	DUP-1	11/20/02	11/20/02
6	DUP-2	DUP-2	11/20/02	11/20/02
7	PMSBU02	PMSBU02	11/20/02	11/20/02
8	US-4 (0.5-1) MS	US-4 (0.5-1) MS	11/20/02	11/20/02
9	US-4 (0.5-1) MSD	US-4 (0.5-1) MSD	11/20/02	11/20/02
10				
11				
12				
13				
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28				
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30				

Comments:

2E
SOIL SURROGATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1.0)	115	
2	PBLKU02	88	
3	DS-3 (0.5-1.0)	135	
4	DS-3 (1-2)	121	
5	DS-4 (0-0.5)	116	
6	DUP-1	131	
7	DUP-2	135	
8	PMSBU02	96	
9	US-4 (0.5-1.0) MS	134	
10	US-4 (0.5-1.0) MSD	125	
11	PBLKU3	81	
12	EB-1	108	
13			
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30			

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU02 Lab File ID: PBLKU02

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/17/02 Date Analyzed (2): 11/17/02

Time Analyzed (1): 3:50 Time Analyzed (2): 3:50

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	US-4 (0.5-1.0)	US-4 (0.5-1.0)	11/16/02	11/16/02
2	DS-3 (0.5-1.0)	US-3 (0.5-1.0)	11/17/02	11/17/02
3	DS-3 (1.0-2.0)	US-3 (1.0-2.0)	11/17/02	11/17/02
4	DS-4 (0-0.5)	DS-4 (0-0.5)	11/20/02	11/20/02
5	DUP-1	DUP-1	11/20/02	11/20/02
6	DUP-2	DUP-2	11/20/02	11/20/02
7	PMSBU02	PMSBU02	11/20/02	11/20/02
8	US-4 (0.5-1) MS	US-4 (0.5-1) MS	11/20/02	11/20/02
9	US-4 (0.5-1) MSD	US-4 (0.5-1) MSD	11/20/02	11/20/02
10				
11				
12				
13				
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19				
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30				

Comments:

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0.5-1.0)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0.5-1.0)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	340.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	170.	U

8E

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for DCB

I Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

Dates of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	AR1660 0.05	AR1660 0.05	11/07/02	02:11	.0	
2	AR1660 0.1	AR1660 0.1	11/07/02	02:43	.0	
3	AR1660 0.25	AR1660 0.25	11/07/02	03:15	.1	
4	AR1660 0.5	AR1660 0.5	11/07/02	03:47	.3	
5	AR1660 1.0	AR1660 1.0	11/07/02	04:19	.3	
6	AR1660 2.0	AR1660 2.0	11/07/02	04:51	.3	
7	AR1660 0.5 CC1	AR1660 0.5 CC1	11/16/02	05:37	.2	
8	AR1221 0.5	AR1221 0.5	11/16/02	06:20	.1	
9	AR1232 0.5	AR1232 0.5	11/16/02	07:03	.1	
10	AR1242 0.5	AR1242 0.5	11/16/02	07:46	.1	
11	AR1248 0.5	AR1248 0.5	11/16/02	08:29	.3	
12	AR1254 0.5	AR1254 0.5	11/16/02	09:12	.3	
13	US-4 (0.5-1.0)	US-4 (0.5-1.0)	11/16/02	19:57	.3	
14	AR1660 O.5	AR1660 0.5	11/16/02	20:40	.3	
15	AR1660 0.5	AR1660 0.5	11/17/02	03:07	.2	
	PBLKU02	PBLKU02	11/17/02	03:50	.1	
17	DS-3 (0.5-1.0)	DS-3 (0.5-1.0)	11/17/02	06:42	.2	
18	DS-3 (1-2)	DS-3 (1-2)	11/17/02	07:25	.2	
19	AR1660 0.5	AR1660 0.5	11/17/02	08:51	.1	
20	AR1660 0.5	AR1660 0.5	11/19/02	21:36	.3	
20	DS-4 (0-0.5)	DS-5 (0-0.5)	11/20/02	03:15	.3	
21	AR1660 0.5	AR1660 0.5	11/20/02	03:58	.2	
22	DUP-1	DUP-1	11/20/02	04:41	.3	
23	DUP-2	DUP-2	11/20/02	05:24	.3	
24	PMSBU02	PMSBU02	11/20/02	06:07	.2	
25	US-4 (0.5-1.0) MS	US-4 (0.5-1.0) MS	11/20/02	06:50	.4	
26	US-4 (0.5-1.0) MSD	US-4 (0.5-1.0) MSD	11/20/02	07:33	.3	
27	PBLKU03	PBLKU03	11/20/02	08:16	.3	
28	EB-1	EB-1	11/20/02	08:59	.2	
29	AR1660 0.5	AR1660 0.5	11/20/02	09:42	.3	
30	AR1221 0.5	AR1221 0.5	11/20/02	11:08	.3	
31	AR1232 0.5	AR1232 0.5	11/20/02	11:51	.3	
32	AR1242 0.5	AR1242 0.5	11/20/02	12:34	.3	
33	AR1248 0.5	AR1248 0.5	11/20/02	13:17	.3	
34	AR1254 0.5	AR1254 0.5	11/20/02	14:00	.3	
35						
36						
37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

FORM VIII PEST-2 1/87 Rev.

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-4 (0.5-1.0)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-4 (0.5-1.0)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.16	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4(0.5-1.0)MS

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4(0.5-1.0)MS

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14 MS

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	490	
11104-28-2	Arochlor-1221	170	U
11141-16-5	Arochlor-1232	170	U
53469-21-9	Arochlor-1242	170	U
12672-29-6	Arochlor-1248	780	
11097-69-1	Arochlor-1254	1100	
11096-82-5	Arochlor-1260	270	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4(0.5-1.0)MSD

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4(0.5-1.0)MSD

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14 MSD

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	260	
11104-28-2	Arochlor-1221	170	U
11141-16-5	Arochlor-1232	170	U
53469-21-9	Arochlor-1242	170	U
12672-29-6	Arochlor-1248	600	
11097-69-1	Arochlor-1254	910	
11096-82-5	Arochlor-1260	270	

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314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

URS/Dames & Moore
646 Plank Road
Suite 202
Clifton Park, New York 12065

Attention: Karen Peppin

Adirondack Environmental Services, Inc.
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TITLE PAGE

On November 7, 2002 seven soil samples were received by Adirondack Environmental Services, Inc. from URS Greiner Woodward Clyde at the GE Tonawanda site. These samples were analyzed for PCB's and Total Organic Carbon as specified by the contract. The project was completed on December 10, 2002.

Laboratory Manager

Date: 12/10/02

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SAMPLE DATA

SUMMARY PACKAGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other CN
US-4 (0.5-1.0)	021107K-14			X			X
DS-3 (0.5-1.0)	021107K-22			X			X
DS-3 (1.0-2.0)	021107K-23			X			X
DS-4 (0-0.5)	021107K-24			X			X
DUP-1	021107K-25			X			X
DUP-2	021107K-26			X			X
EB-1	021107K-27			X			X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
021107K-14	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-22	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-23	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-24	SOIL	11/6/02	11/7/02	11/11/02	11/20/02
021107K-25	SOIL	11/6/02	11/7/02	11/11/02	11/20/02
021107K-26	SOIL	11/6/02	11/7/02	11/11/02	11/20/02
021107K-27	WATER	11/6/02	11/7/02	11/12/02	11/20/02

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Prepared	Date Analyzed
021107K-14	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-22	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-23	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-24	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-25	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-26	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-27	WATER	Total Organic Carbon	11/7/02	11/26/02	11/26/02

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Case Narrative

Client: URS Greiner Woodward Clyde - GE Tonawanda

Case: UR 0205

SDG: DS-3 (0.5-1.0)

Sample ID	Laboratory Sample ID	Date Received	VTSR	Matrix
US-4 (0.5-1.0)	021107K-14	11/07/02	09:00	Soil
DS-3 (0.5-1.0)	021107K-22	11/07/02	09:00	Soil
DS-3 (1.0-2.0)	021107K-23	11/07/02	09:00	Soil
DS-4 (0-0.5)	021107K-24	11/07/02	09:00	Soil
DUP-1	021107K-25	11/07/02	09:00	Soil
DUP-2	021107K-26	11/07/02	09:00	Soil
EB-1	021107K-27	11/07/02	09:00	Water

PCB's

1) Samples were analyzed using EPA Method 8082.

2) Peak area was used to calculate all values appearing in this data package.

3) The primary quantitation column is identified as DB1701 and the confirmation column is identified as DB608.

4) Please find after this narrative, a listing of the peaks used to identify and quantitate Aroclor constituents in this data package.

5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary.

6) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

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7) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
US-4 (0.5-1.0)	021107K-14	1:4
DS-3 (0.5-1.0)	021107K-22	1:4
DS-3 (1.0-2.0)	021107K-23	1:4
DUP-1	021107K-25	1:4
DUP-2	021107K-26	1:4

Conventionals

1) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 65 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 20.3 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laura Dunk
Laboratory Manager

Date: 12/16/02

SDG # DS-3 (0.5-1.0) INSTRUMENT ID: VARIAN 1 ANALYSIS DATES: 11/07-11/20/02

CASE # UR0205 COLUMN ID: DB1701

AR1016

1. 6.85
2. to
3. 8.23 REF
4. to
5. 11.50

AR1221

1. 5.06
2. 5.52
3. 5.87
4. 6.00 REF
5. 7.02

AR1232

1. 6.02 REF
2. 7.04
3. 7.64
4. 8.26
5. 8.61

AR1242

1. 7.03
2. 8.26 REF
3. 8.61
4. 8.88
5. 9.86

AR1248

1. 7.05
2. 8.28
3. 8.64
4. 9.21
5. 9.27
6. 9.88
7. 10.17 REF

AR1254

1. 13.32
2. 13.52
3. 13.99
4. 14.44
5. 14.90 REF
6. 15.82

AR1260

1. 12.50
2. to
3. 16.70 REF
4. to
5. 18.30

All numbers represent Retention Times.

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0.5-1.0)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0.5-1.0)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K22

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 53. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	280.	U
11104-28-2	Arochlor-1221	280.	U
11141-16-5	Arochlor-1232	280.	U
53469-21-9	Arochlor-1242	280.	U
12672-29-6	Arochlor-1248	2800.	
11097-69-1	Arochlor-1254	2000.	
11096-82-5	Arochlor-1260	280.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K23

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 31. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	670.	
11097-69-1	Arochlor-1254	780.	
11096-82-5	Arochlor-1260	190.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K24

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	43.	U
11104-28-2	Arochlor-1221	43.	U
11141-16-5	Arochlor-1232	43.	U
53469-21-9	Arochlor-1242	43.	U
12672-29-6	Arochlor-1248	43.	U
11097-69-1	Arochlor-1254	86.	
11096-82-5	Arochlor-1260	43.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	340.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	170.	U

FORM I PEST 1/87 Rev.

- ACTUALLY US-4 (0.5-1)
CONFIRMED W/ LAB ON 12DEC02 AT 1200 HRS.
THOMAS SHINE

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K25

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	650.	
11096-82-5	Arochlor-1260	170.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-2

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K26

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 17. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	200.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	160.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) WATER Lab Sample ID: EB-1

Sample wt/vol: 1000. (g/mL) ML Lab File ID: 021107 K27

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. __. dec._____ Date Extracted: 11/12/02

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Arochlor-1016	0.065	U
11104-28-2	Arochlor-1221	0.065	U
11141-16-5	Arochlor-1232	0.065	U
53469-21-9	Arochlor-1242	0.065	U
12672-29-6	Arochlor-1248	0.065	U
11097-69-1	Arochlor-1254	0.065	U
11096-82-5	Arochlor-1260	0.065	U

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-22

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	72600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-23

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	52900			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-24

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	6400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-14

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	37400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DUP-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-25

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	70800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DUP-2

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-26

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	27000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

EB-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Water Lab Sample ID: 021107K-27

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	100	U		Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

2E
SOIL SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1)	115	
2	PBLKU02	88	
3	DS-3 (0.5-1.0)	135	
4	DS-3 (1-2)	121	
5	DS-4 (0-0.5)	116	
6	DUP-1	131	
7	DUP-2	135	
8	PMSBU02	96	
9	US-4 (0-0.5) MS	134	
10	US-4 (0-0.5) MSD	125	
11	PBLKU3	81	
12	EB-1	108	
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

2E
SOIL PCB SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

CONFIRMATION

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1)	80	
2	PBLKU02	87	
3	DS-3 (0.5-1.0)	116	
4	DS-3 (1-2)	125	
5	DS-4 (0-0.5)	110	
6	DUP-1	123	
7	DUP-2	111	
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: US-4 (0.5-1)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	214.	.00	493.	230*	50-150
Arochlor-1260	214.	.00	270.	126	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	214.	261.	122	62 *	50	50-150
Arochlor-1260	214.	265.	124	2	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 1 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: PMSBU02 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	178.00	107	50-150
Aroclor 1260	166.67	0.0	216.00	130	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

_____

_____

U.S. EPA - CLP

6
DUPLICATES

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	37400		30500		20.3	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

FORM VI - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	50400		37400		20000	65	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU02 Lab File ID: PBLKU02

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/17/02 Date Analyzed (2): 11/17/02

Time Analyzed (1): 3:50 Time Analyzed (2): 3:50

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	US-4 (0.5-1)	US-4 (0.5-1)	11/16/02	11/16/02
2	DS-3 (0.5-1.0)	US-3 (0.5-1.0)	11/17/02	11/17/02
3	DS-3 (1.0-2.0)	US-3 (1.0-2.0)	11/17/02	11/17/02
4	DS-4 (0-0.5)	DS-4 (0-0.5)	11/20/02	11/20/02
5	DUP-1	DUP-1	11/20/02	11/20/02
6	DUP-2	DUP-2	11/20/02	11/20/02
7	PMSBU02	PMSBU02	11/20/02	11/20/02
8	US-4 (0-0.5) MS	US-4 (0.5-2) MS	11/20/02	11/20/02
9	US-4 (0-0.5) MSD	US-4 (0-0.5) MSD	11/20/02	11/20/02
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKU02

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: PBLKU02

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLKU02

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 0. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	33.	U
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	33.	U

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU03 Lab File ID: PBLKU03

Matrix: (soil/water) WATER Level:(low/med) LOW

Date Extracted: 11/12/02 Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 11/20/02 Date Analyzed (2): 11/20/02

Time Analyzed (1): 8:16 Time Analyzed (2): 8:16

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	EB-1	EB-1	11/20/02	11/20/02
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKU03

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) WATER Lab Sample ID: PBLKU03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: PBLKU03

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 100. dec._____ Date Extracted: 11/12/02

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Arochlor-1016	0.065	U
11104-28-2	Arochlor-1221	0.065	U
11141-16-5	Arochlor-1232	0.065	U
53469-21-9	Arochlor-1242	0.065	U
12672-29-6	Arochlor-1248	0.065	U
11097-69-1	Arochlor-1254	0.065	U
11096-82-5	Arochlor-1260	0.065	U

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U	100	U			Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

SAMPLE DATA

PACKAGE

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

Case Narrative

Client: URS Greiner Woodward Clyde - GE Tonawanda

Case: UR 0205

SDG: DS-3 (0.5-1.0)

Sample ID	Laboratory Sample ID	Date Received	VTSR	Matrix
US-4 (0.5-1.0)	021107K-14	11/07/02	09:00	Soil
DS-3 (0.5-1.0)	021107K-22	11/07/02	09:00	Soil
DS-3 (1.0-2.0)	021107K-23	11/07/02	09:00	Soil
DS-4 (0-0.5)	021107K-24	11/07/02	09:00	Soil
DUP-1	021107K-25	11/07/02	09:00	Soil
DUP-2	021107K-26	11/07/02	09:00	Soil
EB-1	021107K-27	11/07/02	09:00	Water

PCB's

1) Samples were analyzed using EPA Method 8082.

2) Peak area was used to calculate all values appearing in this data package.

3) The primary quantitation column is identified as DB1701 and the confirmation column is identified as DB608.

4) Please find after this narrative, a listing of the peaks used to identify and quantitate Aroclor constituents in this data package.

5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary.

6) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

Adirondack Environmental Services, Inc.
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7) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
US-4 (0.5-1.0)	021107K-14	1:4
DS-3 (0.5-1.0)	021107K-22	1:4
DS-3 (1.0-2.0)	021107K-23	1:4
DUP-1	021107K-25	1:4
DUP-2	021107K-26	1:4

Conventionals

1) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 65 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 20.3 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laura D

Laboratory Manager

Date: 12/16/02

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE TONAWANDA -2 mile

SAMPLERS (PRINT/SIGNATURE) Jennifer Christy, David Cofield

DELIVERY SERVICE: FedEx AIRBILL NO.: 821364207581

TESTS: PCB/TOC

BOTTLE TYPE AND PRESERVATIVE: 4oz glass

LAB ADIRONDACK

COOLER 1 of 1

PAGE 2 of 3

5°C

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	4oz glass	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
UPSTREAM	11/6/02	13:30	G	US-4 (0-0.5)	SE	1	1	021107 K13	N1	0	0.5	
		13:35	G	US-4 (0.5-1.0) (*)		1	1	K14		0.5	1.0	
				~~US-4 (1.0-2.0)~~		1				1.0	2.0	
DOWNSTREAM		11:05	G	DS-1 (0-0.5)		1	1	K15		0	0.5	
		11:10	G	DS-1 (0.5-1.0)		1	1	K16		0.5	1.0	
		11:15	G	DS-1 (1.0-2.0)		1	1	K17		1.0	2.0	
		10:45	G	DS-2 (0-0.5)		1	1	K18		0	0.5	
		10:50	G	DS-2 (0.5-1.0)		1	1	K19		0.5	1.0	
		10:55	G	DS-2 (1.0-2.0)		1	1	K20		1.0	2.0	
		10:15	G	DS-3 (0-0.5)		1	1	K21		0	0.5	
		10:20	G	DS-3 (0.5-1.0)		1	1	K22		0.5	1.0	
		10:25	G	DS-3 (1.0-2.0)		1	1	K23		1.0	2.0	

9C

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	1630	M L	11/7/02	900

SPECIAL INSTRUCTIONS
STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE
Q+A Karen Peppin - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE Tonawanda - 2mile

LAB Adirondack

COOLER 1 of 1

PAGE 3 of 3

5°C

SAMPLERS (PRINT/SIGNATURE) Jen Chrisby David Cofield

DELIVERY SERVICE: FedEx AIRBILL NO.: 821306420781

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: PCB/TOC	PCB	PCB	TOC	BOTTLE TYPE AND PRESERVATIVE: 40z Glass	3-1L clear	1-1L Amber	4 125mL poly	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
Downstream	11/6/02	09:45	G	DS-4 (0-0.5)	SE	1	1								02110) K24	~~0350~~	N1	0	0.5	
				~~DS-4 (0.5-1.0)~~		1											N1	0.5	1.0	
				~~DS-4 (1.0-2.0)~~		1											N1	1.0	2.0	
DUP-1		10:15	G	DUP-1		1	1								K25	DUP-1	FR1			
MS1		12:25	G	MS-1 (US-1 (0-0.5)	(*)	1	1								K04	MS-1	MS1			
MSD1		12:25	G	MSD-1 (US-1 (0-0.5)		1	1									MSD-1	MSD1			
DUP-2		12:50	G	DUP-2		1	1								K26	DUP-2	FR2			
MS-2		13:35	G	MS-2 (US-4 (0.5-1.0)	(*)	1	1								K14	MS-2	MS2			
MSD2		13:35	G	MSD-2 (US-4 (0.5-1.0)		1	1									MSD-2	MSD2			
Equipment blank		14:00		EB-1	WQ	~~8~~ 7	~~X~~		3	(*)	10	4			K27	Equip. Blank	RB1			
						(X)	(1) Bottle Broken in transit (*)													

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	11/6/02	16:30	M	11/7/02	900

SPECIAL INSTRUCTIONS
STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE
Q+A Karen Pepin - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K13 Client Sample ID US-4 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	TOC, TS, PH
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K14 Client Sample ID US-4 (0.5-1.0) # Bottles: 3

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	TS, TOC, PH
2	ML (msk)						
3							
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K15 Client Sample ID DS-1 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	TS, TOC, PH
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K16 Client Sample ID DS-1 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K17 Client Sample ID DS-1 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K18 Client Sample ID DS-2 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Carl	11/20/02 1600	Mark Carl	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K19 Client Sample ID DS-2 (0.5-1.0) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K20 Client Sample ID DS-2 (1.0-2.0) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K21 Client Sample ID DS-3 (0-0.5) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

mple # 021107 K22 Client Sample ID DS-3 (0.5-1.0) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K23 Client Sample ID DS-3 (1.0-2.0) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K24 Client Sample ID DS-4 (0-0.5) # Bottles: 1

	Out			Back			
Bottle	Relinquished	Received	Date/Time	Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	JS Fuller	11/11/02 10:00	JS Fuller	ML	11/11/02 16:00	PCB

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K25 Client Sample ID Dup-1 # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	TOC, TS, PH
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K26 Client Sample ID Dup-2 # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	TOC, PH, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K27 Client Sample ID EB-1 # Bottles: 7

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	KS Fuller	11/12/02	Sample used			PCB PH
2							
3							
4							
5							
6	ML	Mark Coil	11/26/02 1200	Mark Coil	ML	11/26/02 1200	TOC
7							

***** End Chain of Custody Form *****

PCB

ANALYSIS

QC

SUMMARY

2E
SOIL SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1)	115	
2	PBLKU02	88	
3	DS-3 (0.5-1.0)	135	
4	DS-3 (1-2)	121	
5	DS-4 (0-0.5)	116	
6	DUP-1	131	
7	DUP-2	135	
8	PMSBU02	96	
9	US-4 (0-0.5) MS	134	
10	US-4 (0-0.5) MSD	125	
11	PBLKU3	81	
12	EB-1	108	
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

2E

SOIL PCB SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

CONFIRMATION

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	US-4 (0.5-1)	80	
2	PBLKU02	87	
3	DS-3 (0.5-1.0)	116	
4	DS-4 (1-2)	125	
5	DS-4 (0-0.5)	110	
6	DUP-1	123	
7	DUP-2	111	
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
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22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: US-4 (0.5-1)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	214.	.00	493.	230*	50-150
Arochlor-1260	214.	.00	270.	126	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	214.	261.	122	62 *	50	50-150
Arochlor-1260	214.	265.	124	2	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 1 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: PMSBU02 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	178.00	107	50-150
Aroclor 1260	166.67	0.0	216.00	130	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

_____

_____

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU02 Lab File ID: PBLKU02

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/17/02 Date Analyzed (2): 11/17/02

Time Analyzed (1): 3:50 Time Analyzed (2): 3:50

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	US-4 (0.5-1)	US-4 (0.5-1)	11/16/02	11/16/02
2	DS-3 (0.5-1.0)	US-3 (0.5-1.0)	11/17/02	11/17/02
3	DS-3 (1.0-2.0)	US-3 (1.0-2.0)	11/17/02	11/17/02
4	DS-4 (0-0.5)	DS-4 (0-0.5)	11/20/02	11/20/02
5	DUP-1	DUP-1	11/20/02	11/20/02
6	DUP-2	DUP-2	11/20/02	11/20/02
7	PMSBU02	PMSBU02	11/20/02	11/20/02
8	US-4 (0-0.5) MS	US-4 (0.5-2) MS	11/20/02	11/20/02
9	US-4 (0-0.5) MSD	US-4 (0-0.5) MSD	11/20/02	11/20/02
10				
11				
12				
13				
14				
15				
16				
17				
18				
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20				
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22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Lab Sample ID: PBLKU03 Lab File ID: PBLKU03

Matrix: (soil/water) WATER Level:(low/med) LOW

Date Extracted: 11/12/02 Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 11/20/02 Date Analyzed (2): 11/20/02

Time Analyzed (1): 8:16 Time Analyzed (2): 8:16

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	EB-1	EB-1	11/20/02	11/20/02
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
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19				
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Comments:

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

MDL STUDY VAR-1 10/8/02

UNITS = ug/L

COLUMN: DB1701

True Value (ug/L): 0.050

Compound	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	Std Dev	MDL (ppb)	MDL (ppt)
Aroclor 1016	0.0426	0.0402	0.038	0.0532	0.0478	0.0468	0.0496	0.00541	0.01701	17.01
Aroclor 1260	0.0532	0.0622	0.0474	0.0564	0.0584	0.0528	0.0494	0.00514	0.01616	16.16

Percent Recovery

Compound	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	Average Recovery
Aroclor 1016	85.2	80.4	76.0	106.4	95.6	93.6	99.2	90.9
Aroclor 1260	106.4	124.4	94.8	112.8	116.8	105.6	98.8	108.5

SAMPLE

DATA

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0.5-1.0)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0.5-1.0)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K22

Level: (low/med) LOW Date Received: 11/07/02

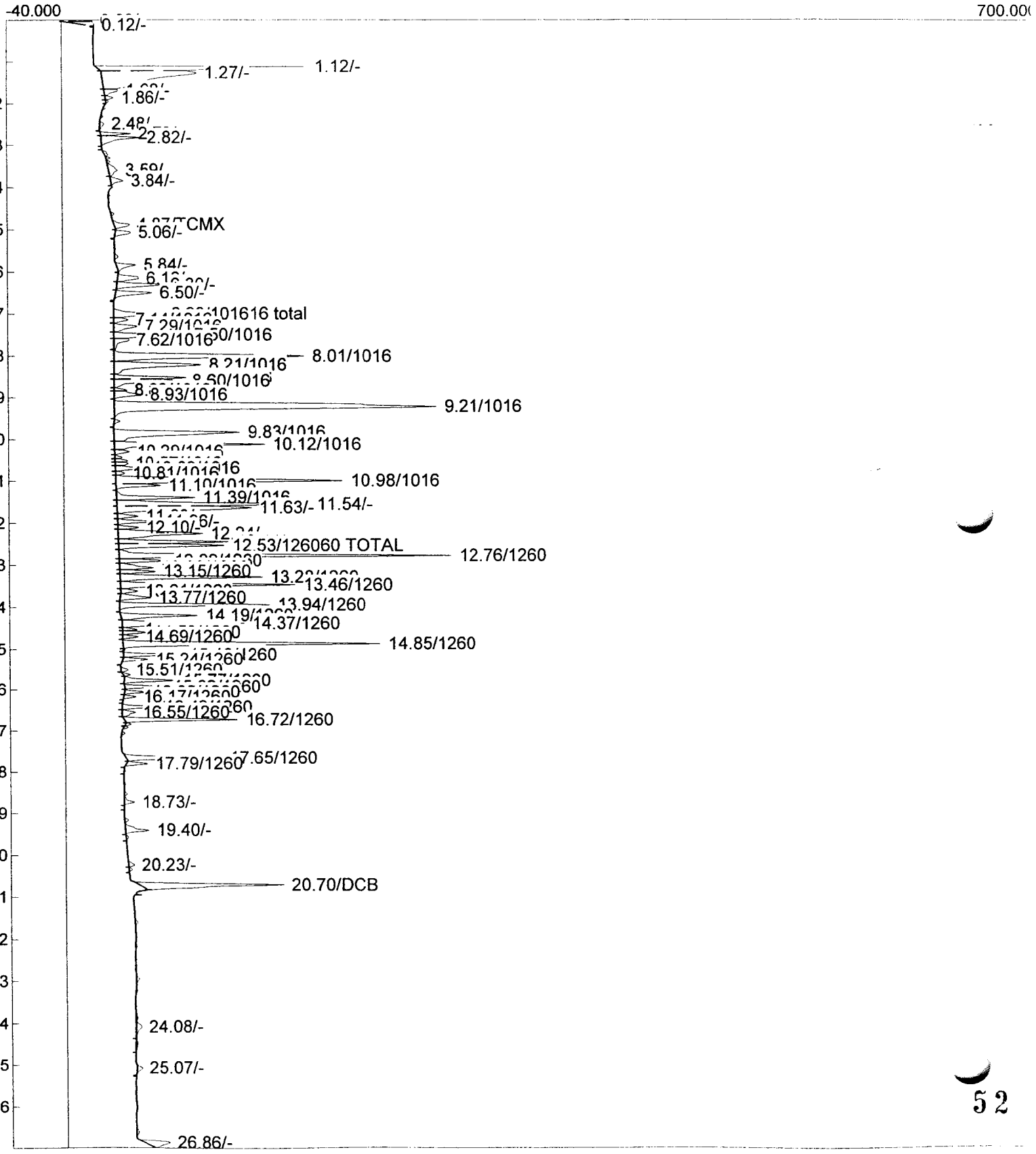
% Moisture: not dec. 53. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	280.	U
11104-28-2	Arochlor-1221	280.	U
11141-16-5	Arochlor-1232	280.	U
53469-21-9	Arochlor-1242	280.	U
12672-29-6	Arochlor-1248	2800.	
11097-69-1	Arochlor-1254	2000.	
11096-82-5	Arochlor-1260	280.	U

Lab name: AES
Analysis date: 11/17/2002 06:41:49
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b955.chr ()
Sample: 1107K22 DS-3 (0-0.5) 30-10 X Y
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.02	43.16	0	0.0000 -		DB1701	1107K22 DS-3 (0-
0.12	71.99	0	0.0000 -		DB1701	1107K22 DS-3 (0-
1.12	605.07	0	0.0000 -		DB1701	1107K22 DS-3 (0-
1.27	996.87	0	0.0000 -		DB1701	1107K22 DS-3 (0-
[illegible]8	58.04	0	0.0000 -		DB1701	1107K22 DS-3 (0-
[illegible]6	23.41	0	0.0000 -		DB1701	1107K22 DS-3 (0-
2.48	20.73	0	0.0000 -		DB1701	1107K22 DS-3 (0-
2.72	72.77	0	0.0000 -		DB1701	1107K22 DS-3 (0-
2.82	154.29	0	0.0000 -		DB1701	1107K22 DS-3 (0-
3.59	69.65	0	0.0000 -		DB1701	1107K22 DS-3 (0-
3.84	53.49	0	0.0000 -		DB1701	1107K22 DS-3 (0-
4.87	69.85	6	0.0034 TCMX		DB1701	1107K22 DS-3 (0-
5.06	63.97	0	0.0000 -		DB1701	1107K22 DS-3 (0-
5.84	78.03	0	0.0000 -		DB1701	1107K22 DS-3 (0-
6.16	105.46	0	0.0000 -		DB1701	1107K22 DS-3 (0-
6.30	171.35	0	0.0000 -		DB1701	1107K22 DS-3 (0-
6.50	132.77	0	0.0000 -		DB1701	1107K22 DS-3 (0-
6.99	7157.43	2	0.9137 1016 total		DB1701	1107K22 DS-3 (0-
6.99	204.04	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
7.14	53.57	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
7.29	110.61	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
7.50	247.67	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
7.62	76.50	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.01	841.01	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.21	441.79	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.52	205.41	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.60	258.91	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.82	30.17	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
8.93	123.89	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
9.21	1906.30	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
9.83	621.37	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
10.12	486.82	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
10.29	49.09	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
10.51	33.35	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
[illegible]7	44.88	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
[illegible]9	97.37	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
10.81	27.63	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
10.98	918.75	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
11.10	135.17	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
11.39	243.12	1	0.0000 1016		DB1701	1107K22 DS-3 (0-
11.54	618.34	0	0.0000 -		DB1701	1107K22 DS-3 (0-
11.63	590.15	0	0.0000 -		DB1701	1107K22 DS-3 (0-
11.83	64.16	0	0.0000 -		DB1701	1107K22 DS-3 (0-
11.96	110.83	0	0.0000 -		DB1701	1107K22 DS-3 (0-
12.10	57.62	0	0.0000 -		DB1701	1107K22 DS-3 (0-
12.24	411.72	0	0.0000 -		DB1701	1107K22 DS-3 (0-
12.44	303.67	0	0.0000 -		DB1701	1107K22 DS-3 (0-
12.53	6249.68	4	0.4396 1260 TOTAL		DB1701	1107K22 DS-3 (0-
12.53	331.14	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
12.76	917.76	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
12.89	137.90	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.06	126.99	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.15	101.50	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.28	456.61	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.46	512.96	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.61	55.01	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.77	112.22	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
13.94	417.08	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.19	251.58	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.37	442.93	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.52	34.78	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.59	63.81	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.69	39.20	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
14.85	827.85	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
[illegible]3	158.81	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
[illegible]4	68.94	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
15.51	25.17	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
15.77	152.63	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
15.92	106.89	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
16.05	52.41	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
16.17	30.49	3	0.0000 1260		DB1701	1107K22 DS-3 (0-
16.42	101.03	3	0.0000 1260		DB1701	1107K22 DS-3 (0-

30-10x4

1248
3919.23
2,800

1254
2810.06
2000

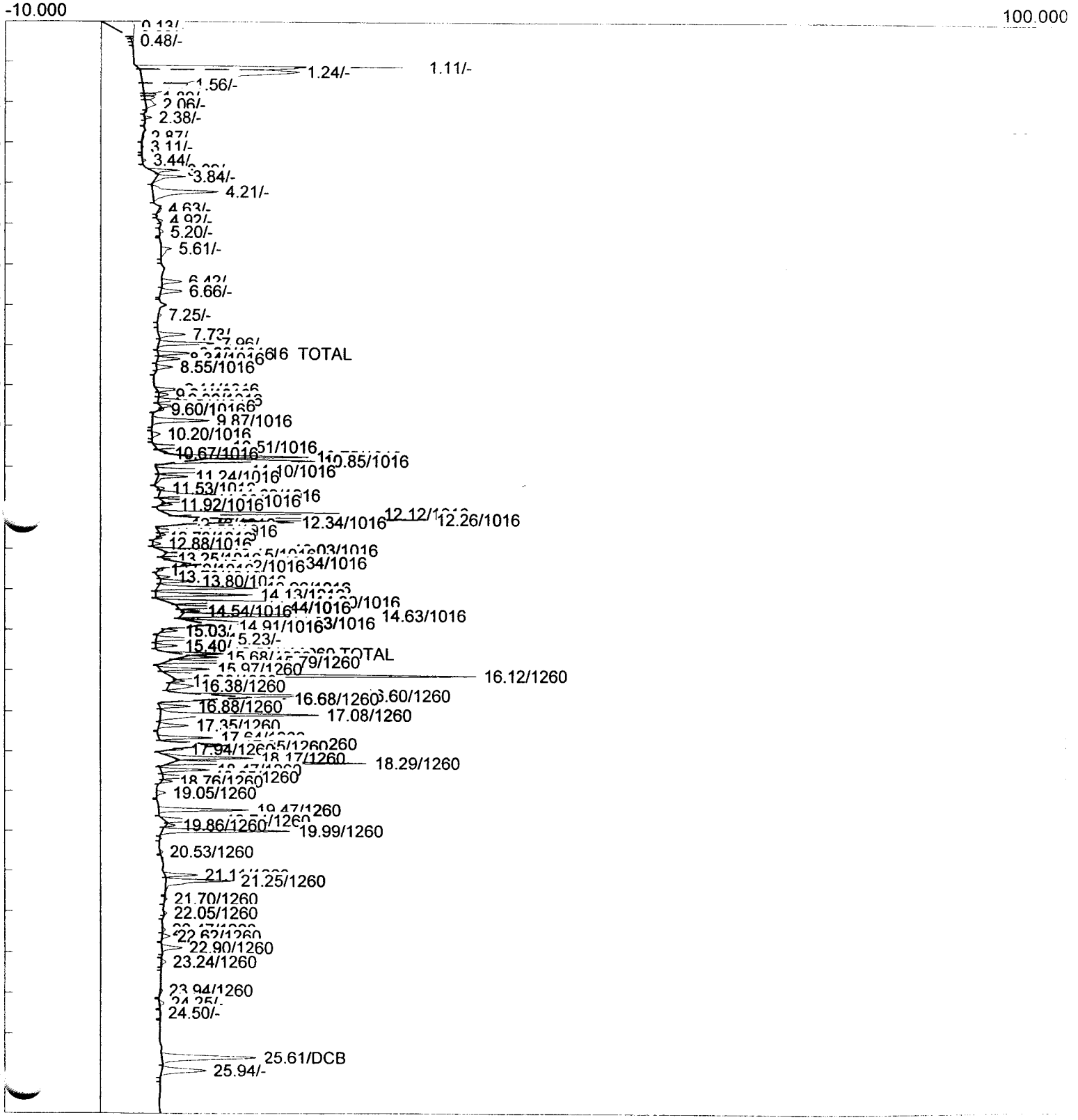
16.55	56.26	3	0.0000	1260		DB1701	1107K22 DS-3 (0-
16.72	308.54	3	0.0000	1260		DB1701	1107K22 DS-3 (0-
17.65	300.71	3	0.0000	1260		DB1701	1107K22 DS-3 (0-
17.79	58.50	3	0.0000	1260		DB1701	1107K22 DS-3 (0-
18.73	36.11	0	0.0000	-		DB1701	1107K22 DS-3 (0-
19.40	97.98	0	0.0000	-		DB1701	1107K22 DS-3 (0-
20.23	23.90	0	0.0000	-		DB1701	1107K22 DS-3 (0-
20.70	528.70	5	33.5084	DCB		DB1701	1107K22 DS-3 (0-
24.08	44.53	0	0.0000	-		DB1701	1107K2 3 (0-
25.07	25.86	0	0.0000	-		DB1701	1107K22 -3 (0-
26.86	119.16	0	0.0000	-		DB1701	1107K22 DS-3 (0-
	32637.84	83	34.8651				

30-10x4

1350

0,2

Lab name: AES
Analysis date: 11/17/2002 06:41:49
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C955.chr ()
Sample: 1107K22 DS-3 (0-0.5)30-10 x4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	44.15 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10 X4
0.38	1.24 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
0.48	1.03 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
1.11	92.53 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
1.24	208.71 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
1.56	50.92 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
1.81	4.64 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
1.89	5.16 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
2.06	9.00 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
2.38	2.29 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
2.87	1.16 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
3.11	1.23 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
3.44	1.47 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
3.69	10.38 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
3.84	12.53 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
4.21	47.21 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
4.63	1.58 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
4.92	1.72 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
5.20	2.01 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
5.61	7.48 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
6.42	9.98 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
6.66	10.93 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
7.25	1.80 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
7.73	13.39 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
7.96	25.79 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
8.20	912.01	1016 TOTAL	0.7130 608		1107K22 DS-3 (0-0.5)30-10
8.20	14.52	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
8.34	10.86	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
8.55	7.35	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.11	9.26	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.24	3.77	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.36	9.82	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.51	4.93	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.60	1.56	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
9.87	30.45	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
10.20	4.67	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
10.51	27.41	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
10.67	1.01	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
10.75	37.29	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
10.85	48.18	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.10	45.20	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.24	13.27	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.53	2.26	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.69	32.26	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.82	16.58	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
11.92	3.35	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.12	78.54	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.26	63.04	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.34	15.68	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.40	1.12	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.56	10.18	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.66	1.72	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.73	1.42	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
12.88	3.19	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.03	46.86	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.15	20.60	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.25	1.10	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.34	28.75	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.42	8.67	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.52	1.26	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.70	3.68	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.80	12.02	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
13.96	42.81	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.13	38.83	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.30	53.35	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.44	28.65	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.54	4.19	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.63	74.12	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.83	36.83	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
14.91	11.39	1016	0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.03	5.22 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.23	27.03 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.40	8.46 -		0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.59	794.97	1260 TOTAL	0.3370 608		1107K22 DS-3 (0-0.5)30-10
15.59	14.53	1260	0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.68	11.48	1260	0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.79	36.87	1260	0.0000 608		1107K22 DS-3 (0-0.5)30-10
15.97	18.89	1260	0.0000 608		1107K22 DS-3 (0-0.5)30-10

16.12	128.90	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10 X4
16.26	2.97	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
16.38	16.10	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
16.60	42.69	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
16.68	20.17	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
16.88	11.99	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
17.08	74.99	1260	1254	0.0000 608	1107K22 DS-3 (0-0.5)30-10
5	13.07	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
1	21.43	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
17.79	18.35	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
17.85	5.93	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
17.94	3.82	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
18.17	33.05	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
18.29	75.00	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
18.47	20.02	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
18.65	17.49	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
18.76	3.83	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
19.05	4.54	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
19.47	38.20	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
19.74	25.96	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
19.86	3.33	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
19.99	54.15	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
20.53	1.25	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
21.11	14.02	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
21.25	37.35	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
21.70	1.26	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
22.05	1.38	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
22.47	2.31	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
22.62	4.30	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
22.90	10.73	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
23.24	2.70	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
23.94	1.92	1260		0.0000 608	1107K22 DS-3 (0-0.5)30-10
24.25	3.10	-		0.0000 608	1107K22 DS-3 (0-0.5)30-10
24.50	1.09	-		0.0000 608	1107K22 DS-3 (0-0.5)30-10
25.61	66.71	DCB	0.00	28.9702 608	1169 1107K22 DS-3 (0-0.5)30-10
25.94	31.14	-		0.0000 608	1107K22 DS-3 (0-0.5)30-10
	4125.08			30.0202	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K23

Level: (low/med) LOW Date Received: 11/07/02

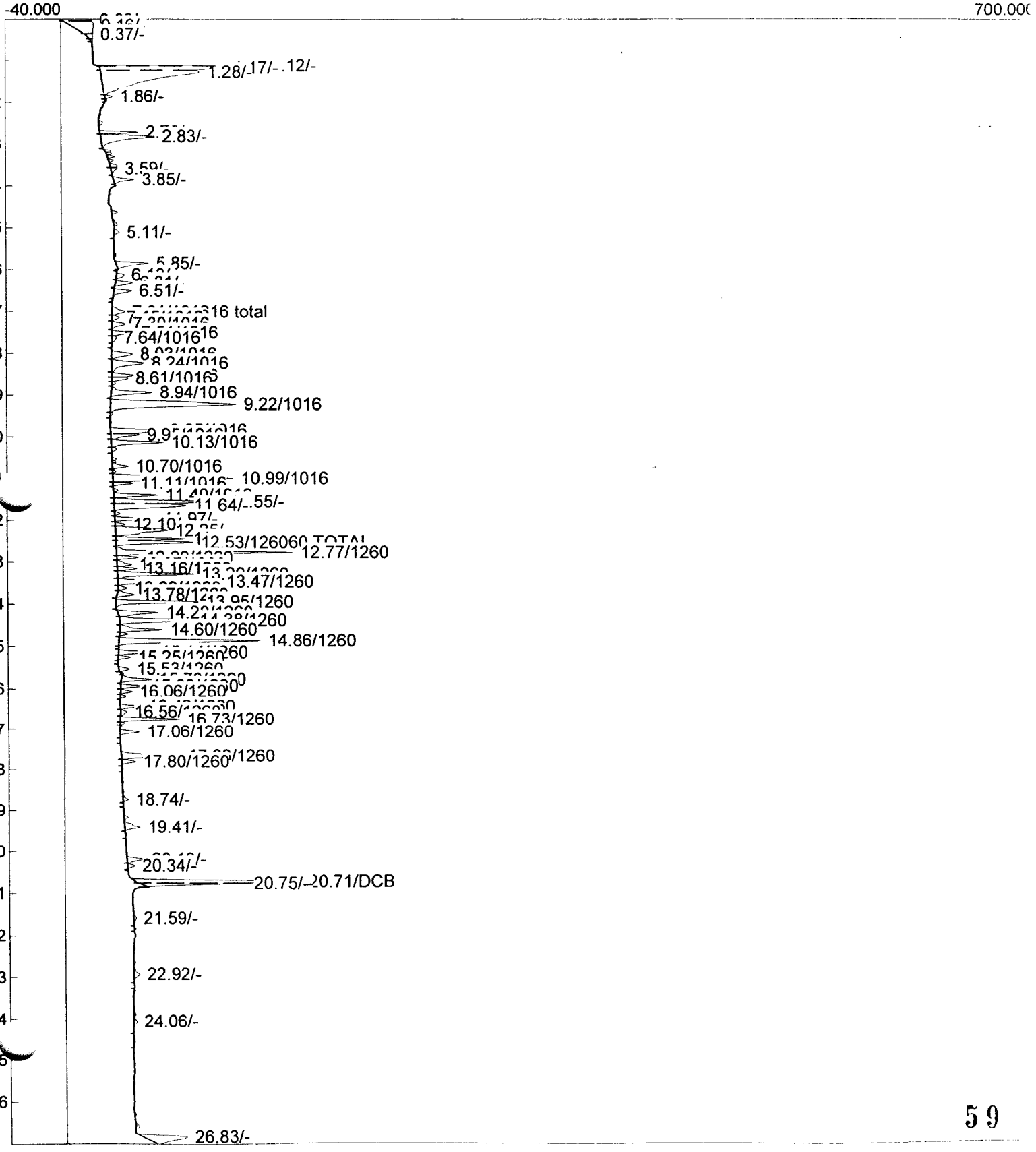
% Moisture: not dec. 31. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	670.	
11097-69-1	Arochlor-1254	780.	
11096-82-5	Arochlor-1260	190.	U

Lab name: AES
Analysis date: 11/17/2002 07:24:49
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b956.chr ()
ample: 1107K23 DS-3 (1-2) 30-10X4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.03	60.96	0	0.0000 -		DB1701	1107K23 DS-3 (1-
0.16	262.93	0	0.0000 -		DB1701	1107K23 DS-3 (1-
0.37	29.53	0	0.0000 -		DB1701	1107K23 DS-3 (1-
1.12	113.84	0	0.0000 -		DB1701	1107K23 DS-3 (1-
1.17	516.81	0	0.0000 -		DB1701	1107K23 DS-3 (1-
1.28	1126.39	0	0.0000 -		DB1701	1107K2[illegible]3 (1-
1.86	20.58	0	0.0000 -		DB1701	1107K23[illegible]3 (1-
2.73	92.12	0	0.0000 -		DB1701	1107K23 DS-3 (1-
2.83	275.93	0	0.0000 -		DB1701	1107K23 DS-3 (1-
3.53	26.71	0	0.0000 -		DB1701	1107K23 DS-3 (1-
3.59	25.06	0	0.0000 -		DB1701	1107K23 DS-3 (1-
3.85	68.20	0	0.0000 -		DB1701	1107K23 DS-3 (1-
0.00	0.00	6	0.0000 TCMX		DB1701	1107K23 DS-3 (1-
5.11	20.72	0	0.0000 -		DB1701	1107K23 DS-3 (1-
5.85	119.13	0	0.0000 -		DB1701	1107K23 DS-3 (1-
6.13	32.90	0	0.0000 -		DB1701	1107K23 DS-3 (1-
6.31	60.80	0	0.0000 -		DB1701	1107K23 DS-3 (1-
6.51	69.47	0	0.0000 -		DB1701	1107K23 DS-3 (1-
7.01	65.57	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
7.01	2744.61	2	0.3504 1016 total		DB1701	1107K23 DS-3 (1-
7.15	27.23	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
7.30	55.90	1	0.0000 1016	1248	DB1701	1107K23 DS-3 (1-
7.51	72.04	1	0.0000 1016	1399.49	DB1701	1107K23 DS-3 (1-
7.64	22.42	1	0.0000 1016	670	DB1701	1107K23 DS-3 (1-
8.03	100.43	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
8.24	170.69	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
8.54	72.10	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
8.61	49.56	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
8.94	151.47	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
9.22	718.15	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
9.85	218.82	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
9.95	94.14	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
10.13	176.70	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
10.70	54.01	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
10.99	509.33	1	0.0000 1016		DB1701	1107K23 DS-3 (1-
11.11	55.07	1	0.0000 1016		DB1701	1107K2[illegible]-3 (1-
11.40	130.98	1	0.0000 1016		DB1701	1107K2[illegible]-3 (1-
11.55	341.42	0	0.0000 -		DB1701	1107K23 DS-3 (1-
11.64	316.59	0	0.0000 -		DB1701	1107K23 DS-3 (1-
11.97	108.07	0	0.0000 -		DB1701	1107K23 DS-3 (1-
12.10	28.23	0	0.0000 -		DB1701	1107K23 DS-3 (1-
12.25	303.90	0	0.0000 -		DB1701	1107K23 DS-3 (1-
12.45	185.14	0	0.0000 -		DB1701	1107K23 DS-3 (1-
12.53	236.47	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
12.53	3720.30	4	0.2617 1260 TOTAL		DB1701	1107K23 DS-3 (1-
12.77	496.98	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
12.90	60.88	3	0.0000 1260	1254	DB1701	1107K23 DS-3 (1-
13.07	51.74	3	0.0000 1260	1616.32	DB1701	1107K23 DS-3 (1-
13.16	55.23	3	0.0000 1260	780	DB1701	1107K23 DS-3 (1-
13.29	251.90	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
13.47	296.73	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
13.63	29.34	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
13.78	62.15	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
13.95	238.43	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
14.20	138.55	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
14.38	264.97	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
14.60	131.98	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
14.86	472.08	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
15.14	97.20	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
15.25	34.33	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
15.53	37.56	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
15.78	92.21	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
15.93	63.10	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
16.06	32.28	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
16.42	59.82	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
16.56	26.58	3	0.0000 1260		DB1701	1107K[illegible]-3 (1-
16.73	165.44	3	0.0000 1260		DB1701	1107K[illegible]-3 (1-
17.06	58.79	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
17.66	219.29	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
17.80	46.28	3	0.0000 1260		DB1701	1107K23 DS-3 (1-
18.74	20.72	0	0.0000 -		DB1701	1107K23 DS-3 (1-
19.41	70.34	0	0.0000 -		DB1701	1107K23 DS-3 (1-

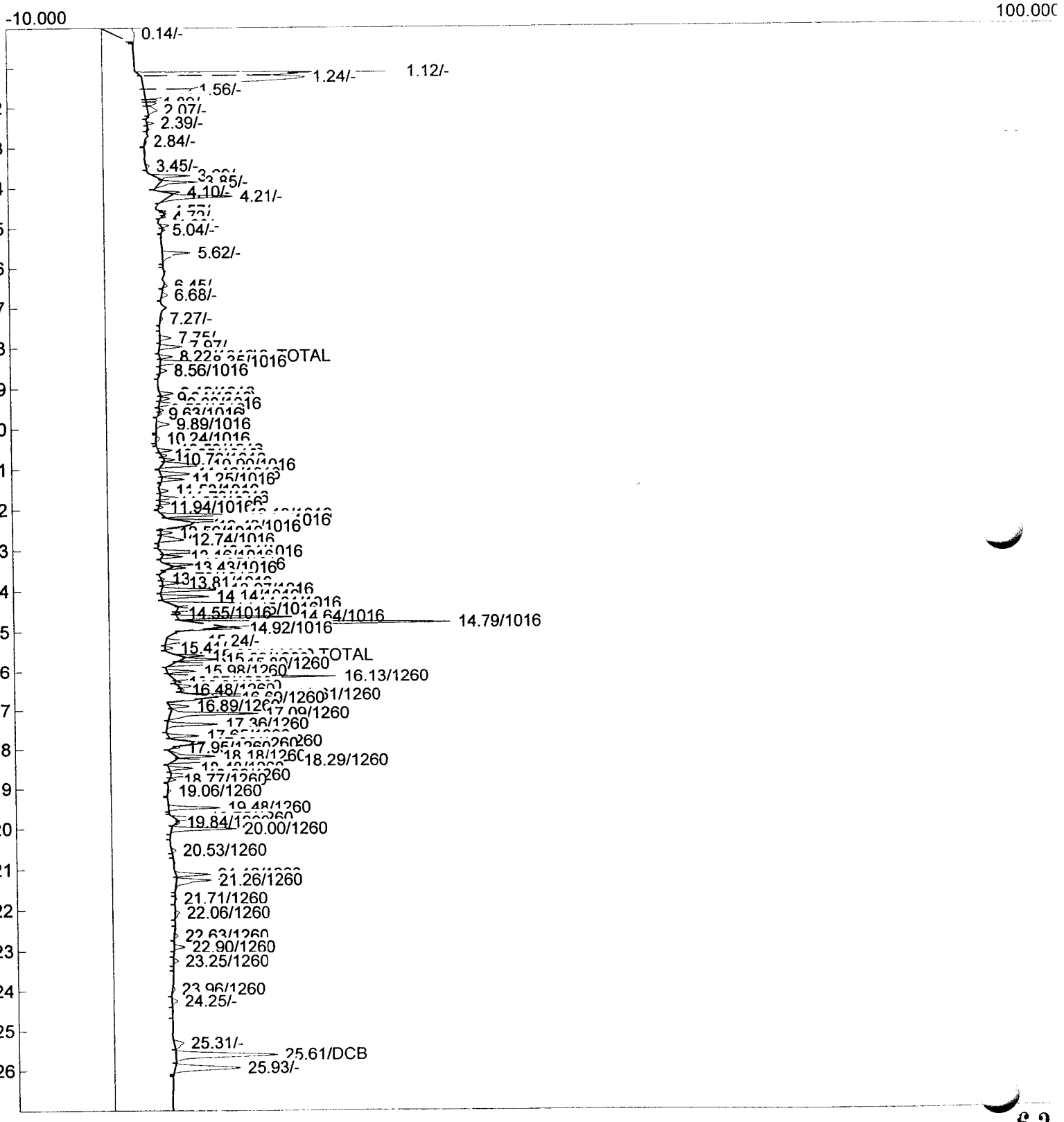
20.19	64.70	0	0.0000	-	DB1701	1107K23 DS-3 (1-
20.34	23.06	0	0.0000	-	DB1701	1107K23 DS-3 (1-
20.71	476.61	5	30.2074	DCB	DB1701	1107K23 DS-3 (1-
20.75	32.45	0	0.0000	-	DB1701	1107K23 DS-3 (1-
20.75	178.26	0	0.0000	-	DB1701	1107K23 DS-3 (1-
21.59	22.58	0	0.0000	-	DB1701	1107K23 DS-3 (1-
22.92	34.83	0	0.0000	-	DB1701	1107K23 DS-3 (1-
76	22.60	0	0.0000	-	DB1701	1107K23 DS-3 (1-
53	237.29	0	0.0000	-	DB1701	1107K23 DS-3 (1-
	18318.70	80	30.8195			

30-10X4

1219

0,2

Lab name: AES
Analysis date: 11/17/2002 07:24:49
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C956.chr ()
Sample: 1107K23 DS-3 (1-2)30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.14	39.38 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
1.12	91.99 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
1.24	224.59 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
1.56	51.68 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]2	4.65 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]	4.88 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]07	8.15 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
2.39	2.37 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
2.84	1.21 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
3.45	2.07 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
3.69	13.02 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
3.85	16.15 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
4.10	4.12 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
4.21	32.20 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
4.57	1.51 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
4.72	1.10 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
4.93	3.34 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
5.04	1.07 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
5.62	17.21 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
6.45	1.81 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
6.68	3.43 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
7.27	1.70 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
7.75	5.87 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
7.97	10.83 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
8.22	533.75	1016 TOTAL	0.4173 608		1107K23 DS-3 (1-2)30-10*4
8.22	5.35	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
8.35	19.94	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
8.56	3.48	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.12	5.93	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.24	3.70	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.38	8.83	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.53	1.59	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.63	1.13	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
9.89	8.19	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
10.24	2.77	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
10.53	5.56	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
10.65	2.11	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]6	3.47	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]0	23.18	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.12	14.75	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.25	8.59	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.53	3.67	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.70	7.07	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.83	4.49	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
11.94	1.35	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.13	29.08	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.27	18.26	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.35	2.91	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.42	9.87	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.56	4.58	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
12.74	14.64	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.04	20.06	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.16	7.39	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.35	8.18	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.43	4.80	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.70	1.29	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.81	7.04	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
13.97	25.17	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.14	19.10	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.31	30.09	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.45	18.14	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.55	1.05	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.64	43.29	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.79	123.08	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
14.92	10.55	1016	0.0000 608		1107K23 DS-3 (1-2)30-10*4
15.24	15.50 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
15.41	2.89 -		0.0000 608		1107K23 DS-3 (1-2)30-10*4
15.60	7.39	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
15.60	482.18	1260 TOTAL	0.2044 608		1107K23 DS-3 (1-2)30-10*4
15.69	11.87	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]	24.23	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
[illegible]8	11.26	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.13	68.97	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.27	1.50	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.38	5.08	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.48	1.12	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.61	27.84	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4
16.69	10.01	1260	0.0000 608		1107K23 DS-3 (1-2)30-10*4

16.89	8.02	1260	1254	0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.09	44.11	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.36	22.66	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.65	12.20	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.80	12.26	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.86	2.83	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
17.95	2.11	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
18.18	16.49	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
18.29	47.85	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
18.48	10.20	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
18.66	11.49	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
18.77	2.31	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
19.06	1.49	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
19.48	22.20	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
19.75	12.19	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
19.84	1.45	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
20.00	27.47	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
20.53	2.38	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
21.12	14.77	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
21.26	21.10	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
21.71	1.10	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
22.06	3.49	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
22.63	1.98	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
22.90	5.55	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
23.25	2.82	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
23.96	2.39	1260		0.0000	608	1107K23 DS-3 (1-2)30-10*4
24.25	3.68	-		0.0000	608	1107K23 DS-3 (1-2)30-10*4
25.31	8.56	-		0.0000	608	1107K23 DS-3 (1-2)30-10*4
25.61	71.88	DCB	0,00	31.2157	608	1254 1107K23 DS-3 (1-2)30-10*4
25.93	44.92	-		0.0000	608	1107K23 DS-3 (1-2)30-10*4
	2723.63			31.8375		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K24

Level: (low/med) LOW Date Received: 11/07/02

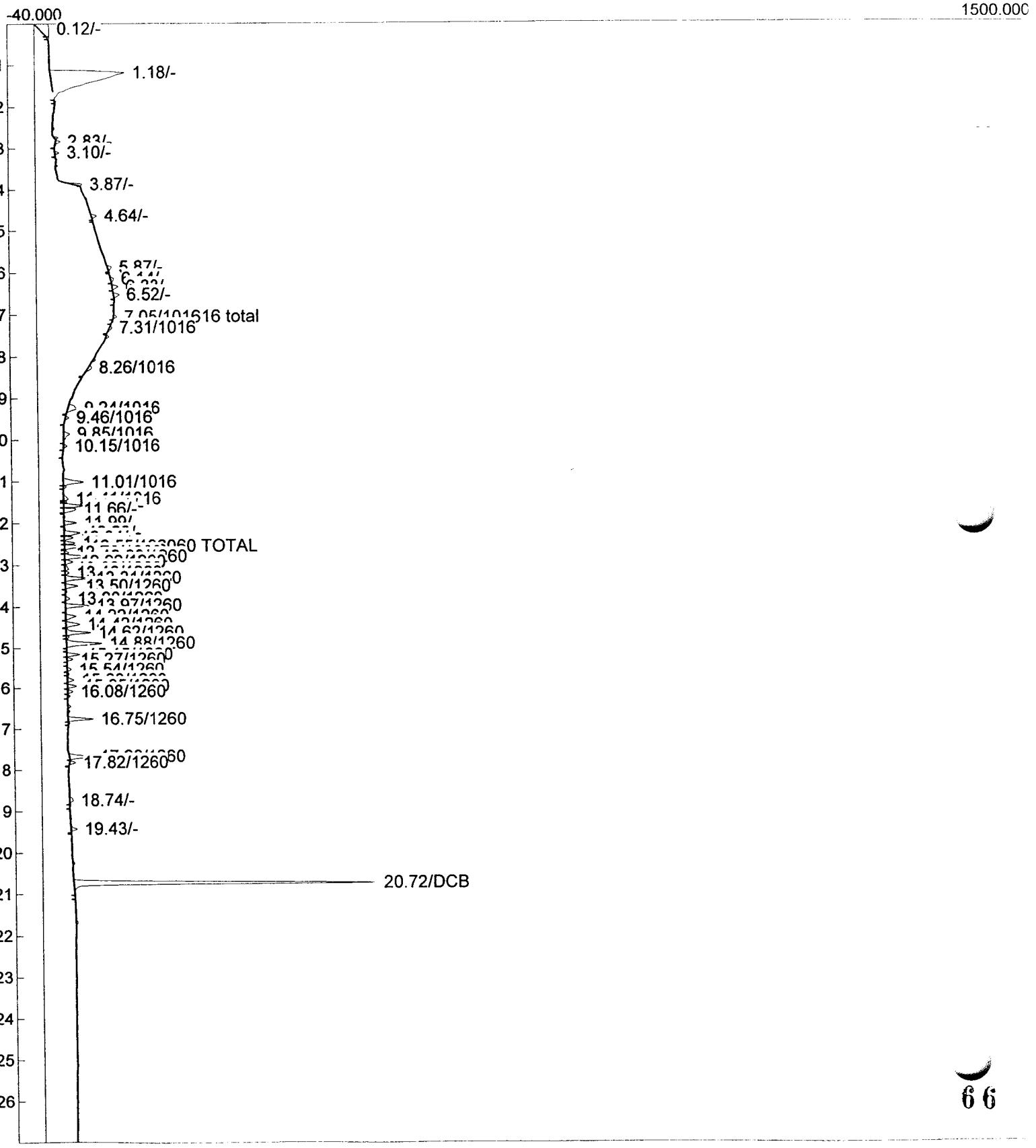
% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	43.	U
11104-28-2	Arochlor-1221	43.	U
11141-16-5	Arochlor-1232	43.	U
53469-21-9	Arochlor-1242	43.	U
12672-29-6	Arochlor-1248	43.	U
11097-69-1	Arochlor-1254	86.	
11096-82-5	Arochlor-1260	43.	U

Lab name: AES
Analysis date: 11/20/2002 03:15:27
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B969.chr ()
Sample: 1107K24 DS-4 (0-0.5) 30-10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.12	247.79	0	0.0000 -		DB1701	1107K24 DS-4 (0-
1.18	2042.06	0	0.0000 -		DB1701	1107K24 DS-4 (0-
2.83	30.06	0	0.0000 -		DB1701	1107K24 DS-4 (0-
3.10	23.04	0	0.0000 -		DB1701	1107K24 DS-4 (0-
4.17	46.16	0	0.0000 -		DB1701	1107K24 DS-4 (0-
4.64	42.99	0	0.0000 -		DB1701	1107K24 DS-4 (0-
0.00	0.00	6	0.0000 TCMX		DB1701	1107K24 DS-4 (0-
5.87	34.36	0	0.0000 -		DB1701	1107K24 DS-4 (0-
6.14	31.64	0	0.0000 -		DB1701	1107K24 DS-4 (0-
6.33	44.06	0	0.0000 -		DB1701	1107K24 DS-4 (0-
6.52	44.65	0	0.0000 -		DB1701	1107K24 DS-4 (0-
7.05	506.41	2	0.0646	1016 total	DB1701	1107K24 DS-4 (0-
7.05	20.79	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
7.31	27.01	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
8.26	41.21	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
9.24	100.62	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
9.46	22.24	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
9.85	66.34	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
10.15	22.20	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
11.01	164.39	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
11.41	41.61	1	0.0000	1016	DB1701	1107K24 DS-4 (0-
11.58	125.44	0	0.0000 -		DB1701	1107K24 DS-4 (0-
11.66	99.62	0	0.0000 -		DB1701	1107K24 DS-4 (0-
11.99	74.59	0	0.0000 -		DB1701	1107K24 DS-4 (0-
12.23	119.67	0	0.0000 -		DB1701	1107K24 DS-4 (0-
12.34	55.97	0	0.0000 -		DB1701	1107K24 DS-4 (0-
12.47	57.73	0	0.0000 -		DB1701	1107K24 DS-4 (0-
12.55	126.12	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
12.55	2056.10	4	0.1446	1260 TOTAL	DB1701	1107K24 DS-4 (0-
12.70	21.10	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
12.80	180.67	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
12.92	53.42	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.08	32.63	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.18	24.73	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.31	153.59	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.50	78.18	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.80	29.25	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
13.97	142.32	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
14.22	78.17	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
14.42	107.32	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
14.62	157.26	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
14.88	270.69	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
15.15	75.45	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
15.27	35.07	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
15.54	27.39	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
15.80	47.92	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
15.95	50.81	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
16.08	29.07	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
16.75	143.97	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
17.68	158.91	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
17.82	32.05	3	0.0000	1260	DB1701	1107K24 DS-4 (0-
18.74	34.24	0	0.0000 -		DB1701	1107K24 DS-4 (0-
19.43	42.13	0	0.0000 -		DB1701	1107K24 DS-4 (0-
20.72	1818.17	5	115.2348	DCB	DB1701	1107K24 DS-4 (0-
	10139.38	53	115.4441			

30-10

1254

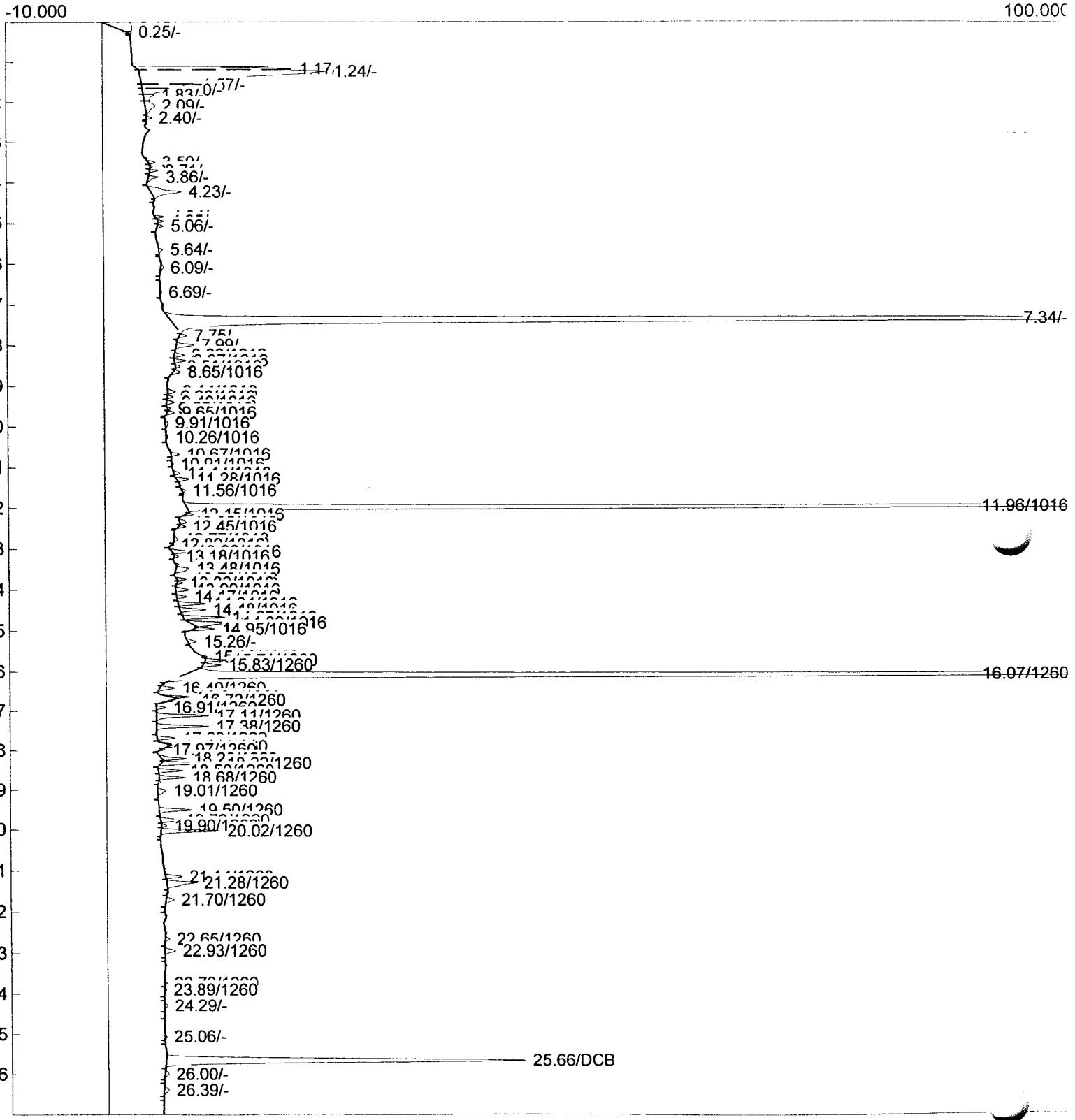
800.02

86

1169

0.3

Lab name: AES
Analysis date: 11/20/2002 03:15:27
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C969.chr ()
Sample: ~~1105~~K24 DS-4 (0-0.5)30-10 1107 K24
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.15	25.29 -		0.0000 608	1107 K24	1105K24 DS-4 (0-0.5)30-10
0.25	1.18 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
1.17	66.49 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
1.24	256.67 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]7	30.14 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]	19.50 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]83	7.76 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
2.09	12.06 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
2.40	1.85 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
3.50	2.80 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
3.71	2.62 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
3.86	5.21 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
4.23	25.67 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
4.84	3.00 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
4.95	2.08 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
5.06	2.72 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
5.64	2.19 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
6.09	2.53 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
6.69	1.10 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
7.34	1020.83 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
7.75	2.93 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
7.99	8.64 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
8.23	4.74 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
8.37	4.64 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
8.51	1.71 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
8.65	4.11 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.14	4.05 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.26	2.17 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.40	3.51 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.55	1.08 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.65	2.98 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
9.91	2.56 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
10.26	1.54 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
10.67	3.41 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
10.91	1.16 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
11.14	3.09 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
11.28	5.27 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]	0.00 1016	TOTAL	0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]3	1.66 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
11.96	629.80 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
12.15	2.99 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
12.35	3.85 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
12.45	2.46 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
12.77	2.68 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
12.89	1.04 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.06	7.95 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.18	1.41 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.48	8.88 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.73	3.33 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.83	1.74 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
13.99	6.16 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.17	4.07 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.34	10.61 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.48	10.97 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.67	15.48 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.80	21.52 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
14.95	7.51 1016		0.0000 608		1105K24 DS-4 (0-0.5)30-10
15.26	4.24 -		0.0000 608		1105K24 DS-4 (0-0.5)30-10
15.63	1.17 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
15.71	7.10 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
15.83	6.26 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
16.07	981.48 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
16.40	7.24 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
16.64	5.26 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
16.72	7.91 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
16.91	3.77 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
17.11	24.55 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
17.38	22.78 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
17.68	7.64 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
17.82	1.91 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]	2.33 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
[illegible]7	1.16 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
18.20	10.41 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
18.32	22.79 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
18.50	10.06 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
18.68	10.79 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
19.01	6.15 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10
19.50	14.90 1260		0.0000 608		1105K24 DS-4 (0-0.5)30-10

0.00	0.00	1260 TOTAL		0.0000	608	1105K24 DS-4 (0-0.5)30-10
19.76	9.14	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
19.90	1.82	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
20.02	25.33	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
21.14	6.99	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
21.28	18.12	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
21.70	4.56	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
22.65	2.32	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
22.93	6.08	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
23.72	1.20	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
23.89	1.20	1260		0.0000	608	1105K24 DS-4 (0-0.5)30-10
24.29	2.07	-		0.0000	608	1105K24 DS-4 (0-0.5)30-10
25.06	1.16	-		0.0000	608	1105K24 DS-4 (0-0.5)30-10
25.66	253.20	DCB		109.9572	608	1105K24 DS-4 (0-0.5)30-10
26.00	2.87	-		0.0000	608	1105K24 DS-4 (0-0.5)30-10
26.39	4.11	-		0.0000	608	1105K24 DS-4 (0-0.5)30-10
	3793.40			109.9572		

1107K24

0.2

1109

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14

Level: (low/med) LOW Date Received: 11/07/02

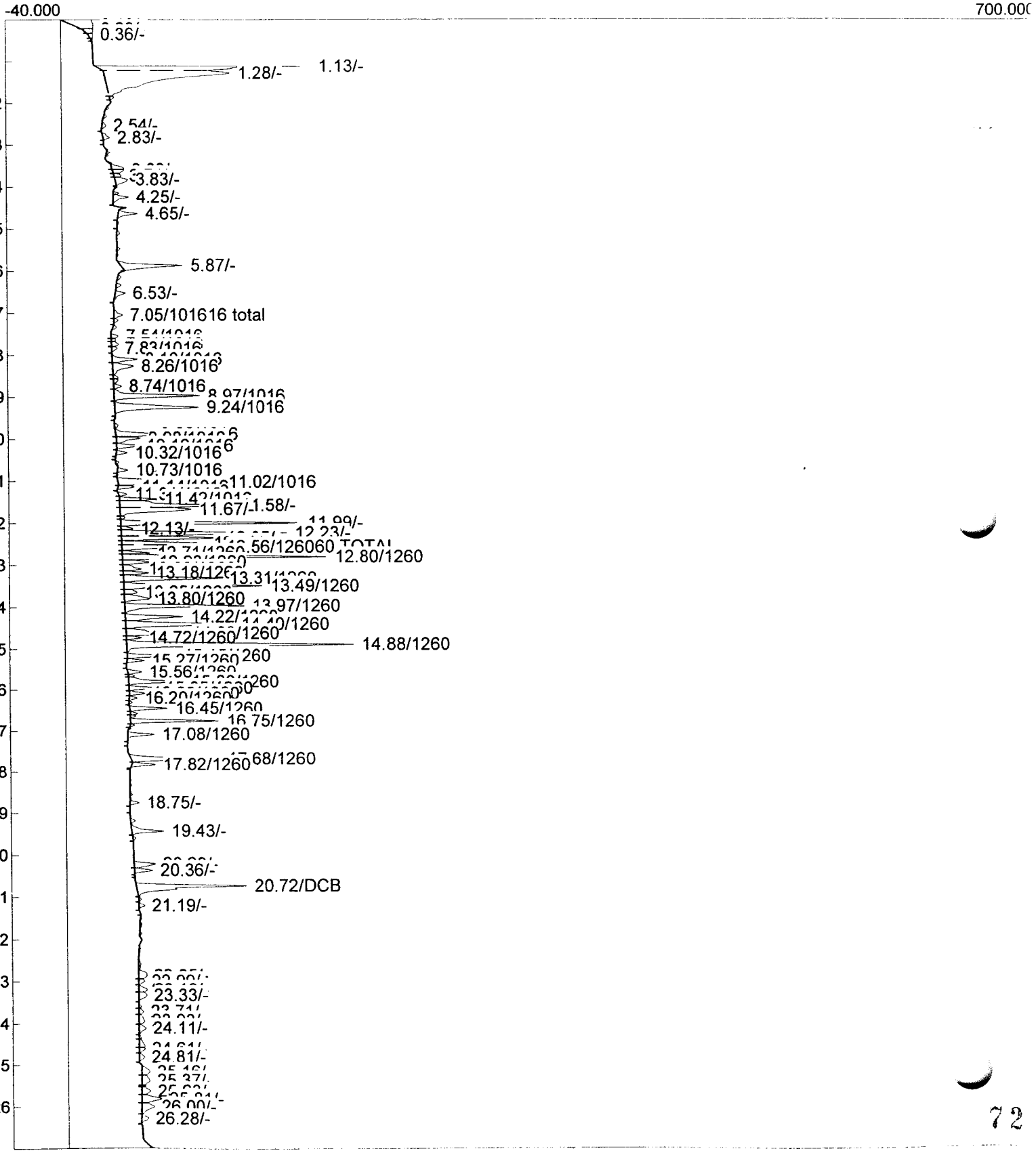
% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	340.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 19:57:09
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b940.chr ()
Sample: 1107K14 US-4 (0.5-1) 30-10x4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.13	199.52	0	0.0000 -		DB1701	1107K14 US-4 (0.
0.23	44.24	0	0.0000 -		DB1701	1107K14 US-4 (0.
0.36	20.81	0	0.0000 -		DB1701	1107K14 US-4 (0.
1.13	635.37	0	0.0000 -		DB1701	1107K14 US-4 (0.
?8	1370.58	0	0.0000 -		DB1701	1107K14 US-4 (0.
4	21.78	0	0.0000 -		DB1701	1107K14 US-4 (0.
2.83	31.11	0	0.0000 -		DB1701	1107K14 US-4 (0.
3.57	45.38	0	0.0000 -		DB1701	1107K14 US-4 (0.
3.60	40.97	0	0.0000 -		DB1701	1107K14 US-4 (0.
3.74	25.20	0	0.0000 -		DB1701	1107K14 US-4 (0.
3.83	67.00	0	0.0000 -		DB1701	1107K14 US-4 (0.
4.25	59.53	0	0.0000 -		DB1701	1107K14 US-4 (0.
4.65	64.78	0	0.0000 -		DB1701	1107K14 US-4 (0.
0.00	0.00	6	0.0000 TCMX		DB1701	1107K14 US-4 (0.
5.87	234.70	0	0.0000 -		DB1701	1107K14 US-4 (0.
6.53	41.30	0	0.0000 -		DB1701	1107K14 US-4 (0.
7.05	2001.00	2	0.2554	1016 total	DB1701	1107K14 US-4 (0.
7.05	39.74	1	0.0000	1016	DB1701	1107K14 US-4 (0.
7.54	26.00	1	0.0000	1016	DB1701	1107K14 US-4 (0.
7.74	29.24	1	0.0000	1016	DB1701	1107K14 US-4 (0.
7.83	21.15	1	0.0000	1016	DB1701	1107K14 US-4 (0.
8.10	91.05	1	0.0000	1016	DB1701	1107K14 US-4 (0.
8.26	119.03	1	0.0000	1016	DB1701	1107K14 US-4 (0.
8.74	27.01	1	0.0000	1016	DB1701	1107K14 US-4 (0.
8.97	320.73	1	0.0000	1016	DB1701	1107K14 US-4 (0.
9.24	377.94	1	0.0000	1016	DB1701	1107K14 US-4 (0.
9.88	162.47	1	0.0000	1016	DB1701	1107K14 US-4 (0.
9.98	89.87	1	0.0000	1016	DB1701	1107K14 US-4 (0.
10.16	74.27	1	0.0000	1016	DB1701	1107K14 US-4 (0.
10.32	31.50	1	0.0000	1016	DB1701	1107K14 US-4 (0.
10.73	30.81	1	0.0000	1016	DB1701	1107K14 US-4 (0.
11.02	391.03	1	0.0000	1016	DB1701	1107K14 US-4 (0.
11.14	45.21	1	0.0000	1016	DB1701	1107K14 US-4 (0.
11.31	25.35	1	0.0000	1016	DB1701	1107K14 US-4 (0.
2	98.61	1	0.0000	1016	DB1701	1107K14 US-4 (0.
8	426.70	0	0.0000 -		DB1701	1107K14 US-4 (0.
11.67	328.53	0	0.0000 -		DB1701	1107K14 US-4 (0.
11.99	479.63	0	0.0000 -		DB1701	1107K14 US-4 (0.
12.13	34.73	0	0.0000 -		DB1701	1107K14 US-4 (0.
12.23	539.16	0	0.0000 -		DB1701	1107K14 US-4 (0.
12.35	293.36	0	0.0000 -		DB1701	1107K14 US-4 (0.
12.48	229.72	0	0.0000 -		DB1701	1107K14 US-4 (0.
12.56	299.54	3	0.0000	1260	DB1701	1107K14 US-4 (0.
12.56	5398.14	4	0.3797	1260 TOTAL	DB1701	1107K14 US-4 (0.
12.71	65.71	3	0.0000	1260	DB1701	1107K14 US-4 (0.
12.80	572.42	3	0.0000	1260	DB1701	1107K14 US-4 (0.
12.93	91.02	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.09	73.73	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.18	73.28	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.31	324.14	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.49	408.96	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.65	52.64	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.80	113.46	3	0.0000	1260	DB1701	1107K14 US-4 (0.
13.97	359.50	3	0.0000	1260	DB1701	1107K14 US-4 (0.
14.22	209.67	3	0.0000	1260	DB1701	1107K14 US-4 (0.
14.40	400.52	3	0.0000	1260	DB1701	1107K14 US-4 (0.
14.62	211.14	3	0.0000	1260	DB1701	1107K14 US-4 (0.
14.72	40.37	3	0.0000	1260	DB1701	1107K14 US-4 (0.
14.88	759.86	3	0.0000	1260	DB1701	1107K14 US-4 (0.
15.15	133.97	3	0.0000	1260	DB1701	1107K14 US-4 (0.
15.27	45.90	3	0.0000	1260	DB1701	1107K14 US-4 (0.
15.56	44.05	3	0.0000	1260	DB1701	1107K14 US-4 (0.
15.80	181.88	3	0.0000	1260	DB1701	1107K14 US-4 (0.
15.95	78.62	3	0.0000	1260	DB1701	1107K14 US-4 (0.
8	44.47	3	0.0000	1260	DB1701	1107K14 US-4 (0.
0	21.69	3	0.0000	1260	DB1701	1107K14 US-4 (0.
16.45	107.08	3	0.0000	1260	DB1701	1107K14 US-4 (0.
16.75	232.30	3	0.0000	1260	DB1701	1107K14 US-4 (0.
17.08	83.06	3	0.0000	1260	DB1701	1107K14 US-4 (0.
17.68	301.31	3	0.0000	1260	DB1701	1107K14 US-4 (0.
17.82	67.88	3	0.0000	1260	DB1701	1107K14 US-4 (0.
18.75	27.33	0	0.0000 -		DB1701	1107K14 US-4 (0.

30-10X4

1248

800.46

340

1254

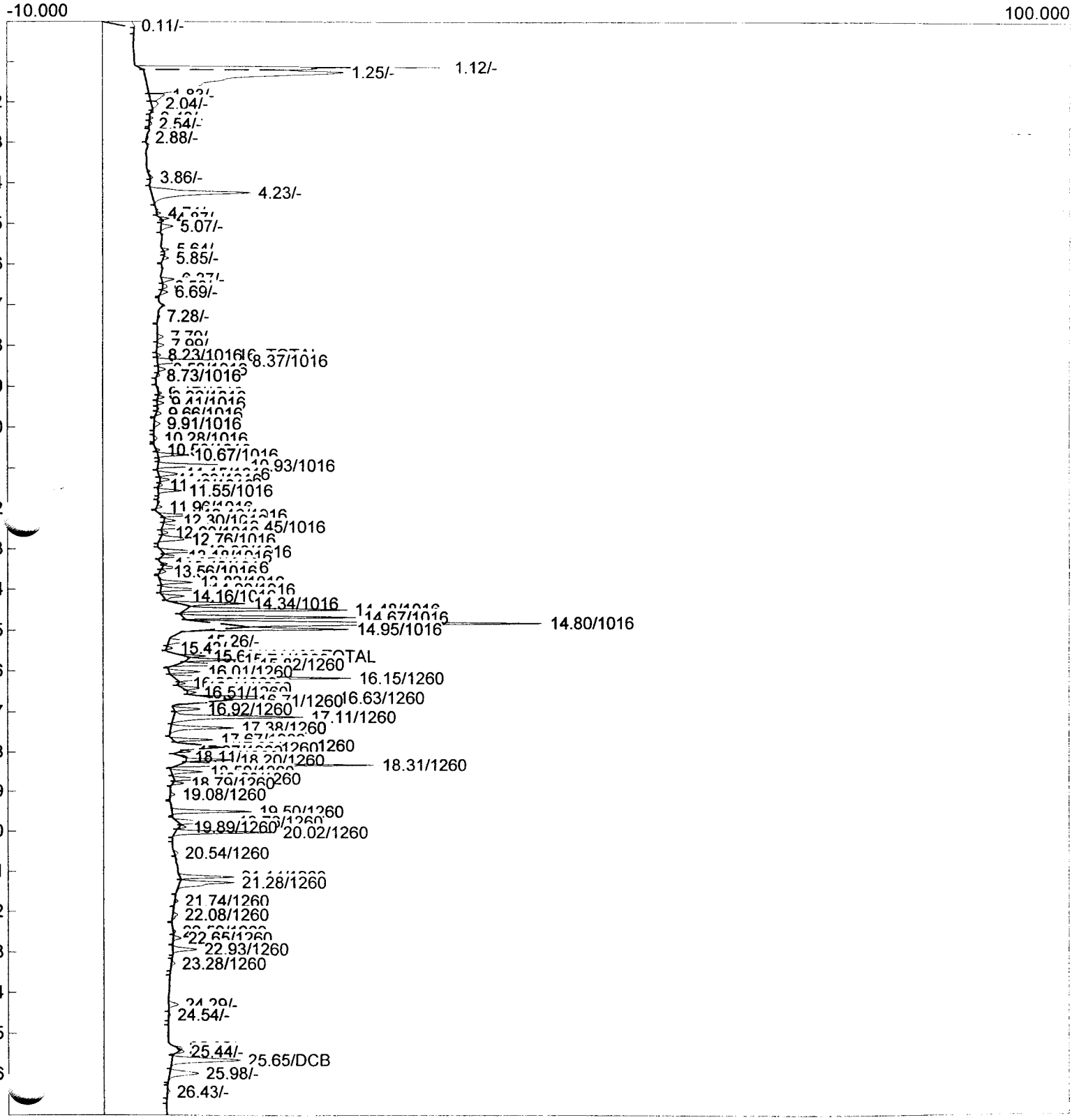
2434.86

1000

73

19.43	119.88	0	0.0000	-	DB1701	1107K14 US-4 (0.
20.20	88.93	0	0.0000	-	DB1701	1107K14 US-4 (0.
20.36	55.57	0	0.0000	-	DB1701	1107K14 US-4 (0.
20.72	452.31	5	28.6673	DCB	DB1701	1107K14 US-4 (0.
21.19	20.57	0	0.0000	-	DB1701	1107K14 US-4 (0.
22.85	61.28	0	0.0000	-	DB1701	1107K14 US-4 (0.
22.99	26.74	0	0.0000	-	DB1701	1107K14 US-4 (0.
23.19	42.07	0	0.0000	-	DB1701	1107K14 US-4 (0.
23.33	50.08	0	0.0000	-	DB1701	1107K1 -4 (0.
23.71	20.98	0	0.0000	-	DB1701	1107K1 -4 (0.
23.93	40.88	0	0.0000	-	DB1701	1107K14 US-4 (0.
24.11	42.30	0	0.0000	-	DB1701	1107K14 US-4 (0.
24.55	37.43	0	0.0000	-	DB1701	1107K14 US-4 (0.
24.61	24.32	0	0.0000	-	DB1701	1107K14 US-4 (0.
24.81	28.23	0	0.0000	-	DB1701	1107K14 US-4 (0.
25.16	55.65	0	0.0000	-	DB1701	1107K14 US-4 (0.
25.37	66.11	0	0.0000	-	DB1701	1107K14 US-4 (0.
25.63	53.19	0	0.0000	-	DB1701	1107K14 US-4 (0.
25.81	112.92	0	0.0000	-	DB1701	1107K14 US-4 (0.
26.00	88.46	0	0.0000	-	DB1701	1107K14 US-4 (0.
26.28	37.96	0	0.0000	-	DB1701	1107K14 US-4 (0.
	21585.56	92	29.3025			

Lab name: AES
Analysis date: 11/16/2002 19:57:09
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C940.chr ()
ample: 1107K14US-4 (0.5-1)30-10 x4
erator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	15.78 -		0.0000 608		1107K14US-4 (0.5-1)30-10
1.12	102.37 -		0.0000 608		1107K14US-4 (0.5-1)30-10
1.25	314.80 -		0.0000 608		1107K14US-4 (0.5-1)30-10
1.83	13.25 -		0.0000 608		1107K14US-4 (0.5-1)30-10
2.04	6.13 -		0.0000 608		1107K14US-4 (0.5-1)30-10
2.40	1.17 -		0.0000 608		1107K14US-4 (0.5-1)30-10
2.54	1.43 -		0.0000 608		1107K14US-4 (0.5-1)30-10
2.88	1.01 -		0.0000 608		1107K14US-4 (0.5-1)30-10
3.86	1.61 -		0.0000 608		1107K14US-4 (0.5-1)30-10
4.23	74.45 -		0.0000 608		1107K14US-4 (0.5-1)30-10
4.74	1.30 -		0.0000 608		1107K14US-4 (0.5-1)30-10
4.87	2.60 -		0.0000 608		1107K14US-4 (0.5-1)30-10
5.07	6.48 -		0.0000 608		1107K14US-4 (0.5-1)30-10
5.64	2.09 -		0.0000 608		1107K14US-4 (0.5-1)30-10
5.85	2.12 -		0.0000 608		1107K14US-4 (0.5-1)30-10
6.37	6.02 -		0.0000 608		1107K14US-4 (0.5-1)30-10
6.56	2.79 -		0.0000 608		1107K14US-4 (0.5-1)30-10
6.69	3.14 -		0.0000 608		1107K14US-4 (0.5-1)30-10
7.28	1.62 -		0.0000 608		1107K14US-4 (0.5-1)30-10
7.79	3.27 -		0.0000 608		1107K14US-4 (0.5-1)30-10
7.99	3.33 -		0.0000 608		1107K14US-4 (0.5-1)30-10
8.23	618.59	1016 TOTAL	0.4836 608		1107K14US-4 (0.5-1)30-10
8.23	1.64	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
8.37	39.19	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
8.58	3.42	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
8.73	1.15	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
9.17	1.11	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
9.26	2.29	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
9.41	2.82	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
9.66	2.29	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
9.91	3.77	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
10.28	1.96	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
10.56	1.55	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
10.67	11.72	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
10.93	36.51	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
11.15	10.21	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
11.29	3.89	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
11.43	1.35	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
11.55	9.93	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
11.96	1.95	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
12.16	12.60	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
12.30	4.08	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
12.45	27.03	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
12.60	2.43	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
12.76	15.96	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
13.06	16.66	1016 — 1248	0.0000 608		1107K14US-4 (0.5-1)30-10
13.18	6.67	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
13.37	1.46	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
13.46	4.73	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
13.56	2.46	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
13.82	13.73	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.00	17.63	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.16	9.44	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.34	25.43	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.48	62.09	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.67	63.94	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.80	151.51	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
14.95	44.00	1016	0.0000 608		1107K14US-4 (0.5-1)30-10
15.26	13.55 -		0.0000 608		1107K14US-4 (0.5-1)30-10
15.43	2.23 -		0.0000 608		1107K14US-4 (0.5-1)30-10
15.62	648.70	1260 TOTAL	0.2750 608		1107K14US-4 (0.5-1)30-10
15.62	6.29	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
15.71	16.31	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
15.82	26.68	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.01	12.12	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.15	72.11	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.29	1.96	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.41	6.75	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.51	2.65	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.63	38.22	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.71	9.99	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
16.92	11.13	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
17.11	63.73	1260 1254	0.0000 608		1107K14US-4 (0.5-1)30-10
17.38	30.21	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
17.67	15.32	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
17.82	17.77	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
17.88	3.92	1260	0.0000 608		1107K14US-4 (0.5-1)30-10
17.97	3.39	1260	0.0000 608		1107K14US-4 (0.5-1)30-10

18.11	1.80	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
18.20	15.30	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
18.31	74.77	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
18.50	13.35	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
18.68	13.70	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
18.79	3.73	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
19.08	2.42	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
[illegible]0	33.63	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
[illegible]3	23.29	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
19.89	2.48	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
20.02	42.06	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
20.54	2.24	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
21.14	22.23	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
21.28	32.92	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
21.74	1.57	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
22.08	3.61	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
22.50	1.80	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
22.65	4.19	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
22.93	12.63	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
23.28	2.43	1260	0.0000	608	1107K14US-4 (0.5-1)30-10
24.29	6.08	-	0.0000	608	1107K14US-4 (0.5-1)30-10
24.54	1.18	-	0.0000	608	1107K14US-4 (0.5-1)30-10
25.35	1.98	-	0.0000	608	1107K14US-4 (0.5-1)30-10
25.44	2.57	-	0.0000	608	1107K14US-4 (0.5-1)30-10
25.65	46.18	DCB	20.0534	608	1107K14US-4 (0.5-1)30-10
25.98	20.52	-	0.0000	608	1107K14US-4 (0.5-1)30-10
26.43	1.70	-	0.0000	608	1107K14US-4 (0.5-1)30-10
	3197.33		20.8120		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K25

Level: (low/med) LOW Date Received: 11/07/02

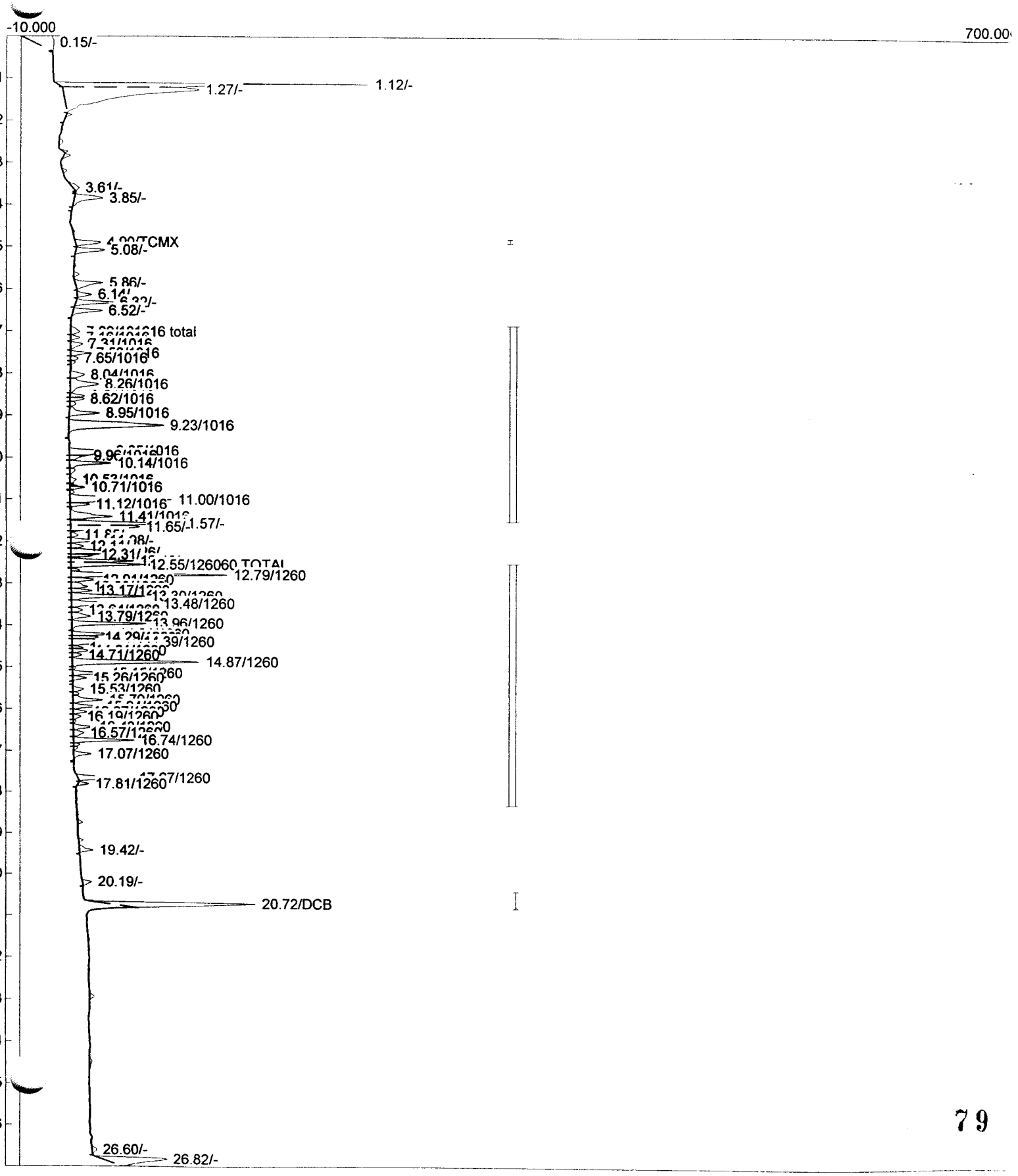
% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	650.	
11096-82-5	Arochlor-1260	170.	U

Analysis date: 11/20/2002 04:41:22
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Data file: b971.chr ()
Sample: 1107K25 DUP-1 30-10*4
Operator: KEN FULLER



Number	Retention	Area	Component	External	Sample
0	0.15	257.65	-	0.0000	1107K25 DUP-1 30-10*4
0	1.12	745.53	-	0.0000	1107K25 DUP-1 30-10*4
0	1.27	1377.78	-	0.0000	1107K25 DUP-1 30-10*4
0	3.61	40.10	-	0.0000	1107K25 DUP-1 30-10*4
0	3.85	142.34	-	0.0000	1107K25 DUP-1 30-10*4
6	4.90	97.67	TCMX	0.0048	1107K25 DUP-1 30-10*4
0	5.08	107.54	-	0.0000	1107K25 DUP-1 30-10*4
0	5.86	120.42	-	0.0000	1107K25 DUP-1 30-10*4
0	6.14	49.03	-	0.0000	1107K25 DUP-1 30-10*4
0	6.32	126.45	-	0.0000	1107K25 DUP-1 30-10*4
0	6.52	101.56	-	0.0000	1107K25 DUP-1 30-10*4
2	7.02	2303.52	1016 total	0.2941	1107K25 DUP-1 30-10*4
1	7.02	49.76	1016	0.0000	1107K25 DUP-1 30-10*4
1	7.16	32.06	1016	0.0000	1107K25 DUP-1 30-10*4
1	7.31	53.48	1016	0.0000	1107K25 DUP-1 30-10*4
1	7.53	59.52	1016	0.0000	1107K25 DUP-1 30-10*4
1	7.65	29.73	1016	0.0000	1107K25 DUP-1 30-10*4
1	8.04	67.33	1016	0.0000	1107K25 DUP-1 30-10*4
1	8.26	175.04	1016	0.0000	1107K25 DUP-1 30-10*4
1	8.54	42.34	1016	0.0000	1107K25 DUP-1 30-10*4
1	8.62	44.01	1016	0.0000	1107K25 DUP-1 30-10*4
1	8.95	114.92	1016	0.0000	1107K25 DUP-1 30-10*4
1	9.23	530.71	1016	0.0000	1107K25 DUP-1 30-10*4
1	9.85	194.01	1016	0.0000	1107K25 DUP-1 30-10*4
1	9.96	45.82	1016	0.0000	1107K25 DUP-1 30-10*4
1	10.14	142.59	1016	0.0000	1107K25 DUP-1 30-10*4
1	10.53	26.94	1016	0.0000	1107K25 DUP-1 30-10*4
1	10.71	33.94	1016	0.0000	1107K25 DUP-1 30-10*4
1	11.00	423.73	1016	0.0000	1107K25 DUP-1 30-10*4
1	11.12	55.83	1016	0.0000	1107K25 DUP-1 30-10*4
1	11.41	181.77	1016	0.0000	1107K25 DUP-1 30-10*4
0	11.57	324.37	-	0.0000	1107K25 DUP-1 30-10*4
0	11.65	279.94	-	0.0000	1107K25 DUP-1 30-10*4
0	11.85	26.58	-	0.0000	1107K25 DUP-1 30-10*4
0	11.98	90.45	-	0.0000	1107K25 DUP-1 30-10*4
0	12.11	42.34	-	0.0000	1107K25 DUP-1 30-10*4
0	12.26	173.20	-	0.0000	1107K25 DUP-1 30-10*4
0	12.31	52.36	-	0.0000	1107K25 DUP-1 30-10*4
0	12.46	165.17	-	0.0000	1107K25 DUP-1 30-10*4
4	12.55	3655.91	1260 TOTAL	0.2572	1107K25 DUP-1 30-10*4
3	12.55	226.41	1260	0.0000	1107K25 DUP-1 30-10*4
3	12.79	439.35	1260	0.0000	1107K25 DUP-1 30-10*4
3	12.91	75.87	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.08	70.55	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.17	59.19	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.30	241.35	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.48	261.37	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.64	40.73	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.79	79.86	1260	0.0000	1107K25 DUP-1 30-10*4
3	13.96	217.78	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.21	111.78	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.29	69.63	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.39	247.14	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.54	26.05	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.61	48.20	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.71	29.35	1260	0.0000	1107K25 DUP-1 30-10*4
3	14.87	428.61	1260	0.0000	1107K25 DUP-1 30-10*4
3	15.15	93.70	1260	0.0000	1107K25 DUP-1 30-10*4
3	15.26	40.85	1260	0.0000	1107K25 DUP-1 30-10*4
3	15.53	39.12	1260	0.0000	1107K25 DUP-1 30-10*4
3	15.79	106.46	1260	0.0000	1107K25 DUP-1 30-10*4

1248

1136.12

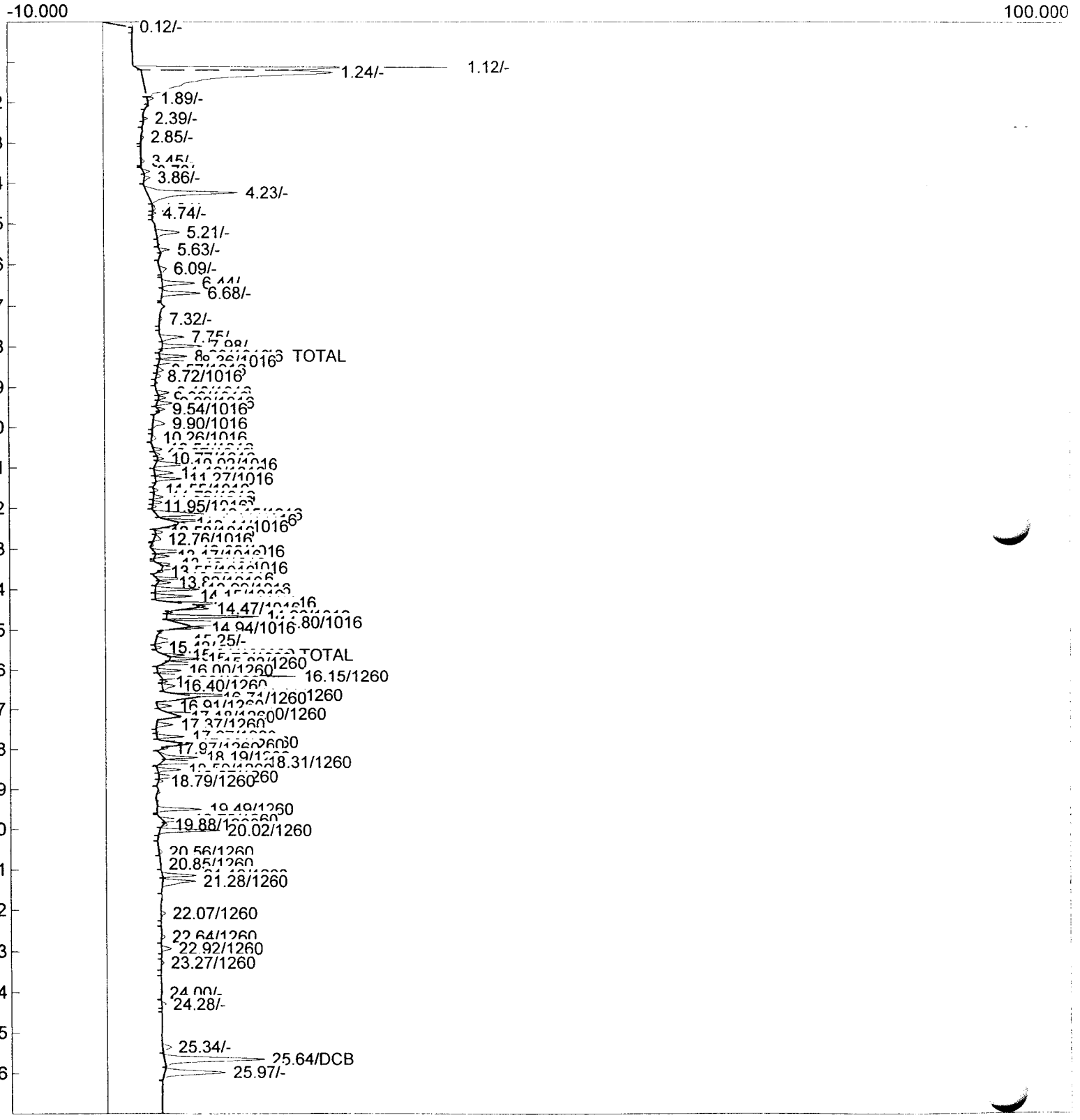
490

1502.71

650

3	15.94	79.73	1260		0.0000	1107K25 DUP-1 30-10*4
3	16.07	42.98	1260		0.0000	1107K25 DUP-1 30-10*4
3	16.19	26.95	1260		0.0000	1107K25 DUP-1 30-10*4
3	16.43	62.11	1260		0.0000	1107K25 DUP-1 30-10*4
3	16.57	44.89	1260		0.0000	1107K25 DUP-1 30-10*4
3	16.74	174.26	1260		0.0000	1107K25 DUP-1 30-10*4
	17.07	62.45	1260		0.0000	1107K25 DUP-1 30-10*4
3	17.67	182.14	1260		0.0000	1107K25 DUP-1 30-10*4
3	17.81	27.09	1260		0.0000	1107K25 DUP-1 30-10*4
0	19.42	50.13	-		0.0000	1107K25 DUP-1 30-10*4
0	20.19	33.57	-		0.0000	1107K25 DUP-1 30-10*4
5	20.72	512.22	DCB	1319	32.4641	1107K25 DUP-1 30-10*4
0	26.60	25.79	-		0.0000	1107K25 DUP-1 30-10*4
0	26.82	345.19	-	0.3	0.0000	1107K25 DUP-1 30-10*4
75		17206.24			33.0201	

Lab name: AES
Analysis date: 11/20/2002 04:41:22
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C971.chr ()
Sample: 1107K25 DUP-1 30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	12.81 -		0.0000 608		1107K25 DUP-1 30-10*4
1.12	108.26 -		0.0000 608		1107K25 DUP-1 30-10*4
1.24	270.46 -		0.0000 608		1107K25 DUP-1 30-10*4
1.89	3.10 -		0.0000 608		1107K25 DUP-1 30-10*4
9	1.56 -		0.0000 608		1107K25 DUP-1 30-10*4
5	1.60 -		0.0000 608		1107K25 DUP-1 30-10*4
3.45	2.06 -		0.0000 608		1107K25 DUP-1 30-10*4
3.70	3.00 -		0.0000 608		1107K25 DUP-1 30-10*4
3.86	3.03 -		0.0000 608		1107K25 DUP-1 30-10*4
4.23	67.50 -		0.0000 608		1107K25 DUP-1 30-10*4
4.64	2.09 -		0.0000 608		1107K25 DUP-1 30-10*4
4.74	1.14 -		0.0000 608		1107K25 DUP-1 30-10*4
5.21	14.49 -		0.0000 608		1107K25 DUP-1 30-10*4
5.63	3.87 -		0.0000 608		1107K25 DUP-1 30-10*4
6.09	5.23 -		0.0000 608		1107K25 DUP-1 30-10*4
6.44	16.38 -		0.0000 608		1107K25 DUP-1 30-10*4
6.68	18.76 -		0.0000 608		1107K25 DUP-1 30-10*4
7.32	1.94 -		0.0000 608		1107K25 DUP-1 30-10*4
7.75	12.08 -		0.0000 608		1107K25 DUP-1 30-10*4
7.98	16.32 -		0.0000 608		1107K25 DUP-1 30-10*4
8.23	375.98	1016 TOTAL	0.2940 608		1107K25 DUP-1 30-10*4
8.23	11.63	1016	0.0000 608		1107K25 DUP-1 30-10*4
8.36	14.57	1016	0.0000 608		1107K25 DUP-1 30-10*4
8.57	3.60	1016	0.0000 608		1107K25 DUP-1 30-10*4
8.72	2.21	1016	0.0000 608		1107K25 DUP-1 30-10*4
9.13	5.31	1016	0.0000 608		1107K25 DUP-1 30-10*4
9.26	2.96	1016	0.0000 608		1107K25 DUP-1 30-10*4
9.39	7.02	1016	0.0000 608		1107K25 DUP-1 30-10*4
9.54	2.73	1016	0.0000 608		1107K25 DUP-1 30-10*4
9.90	8.41	1016	0.0000 608		1107K25 DUP-1 30-10*4
10.26	2.81	1016	0.0000 608		1107K25 DUP-1 30-10*4
10.54	3.65	1016	0.0000 608		1107K25 DUP-1 30-10*4
10.67	1.53	1016	0.0000 608		1107K25 DUP-1 30-10*4
10.77	2.10	1016	0.0000 608		1107K25 DUP-1 30-10*4
10.92	16.24	1016	0.0000 608		1107K25 DUP-1 30-10*4
11.13	9.50	1016	0.0000 608		1107K25 DUP-1 30-10*4
11.27	10.73	1016	0.0000 608		1107K25 DUP-1 30-10*4
5	1.85	1016	0.0000 608		1107K25 DUP-1 30-10*4
2	4.07	1016	0.0000 608		1107K25 DUP-1 30-10*4
11.85	3.26	1016	0.0000 608		1107K25 DUP-1 30-10*4
11.95	1.29	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.15	29.74	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.29	10.88	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.37	2.30	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.44	9.11	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.58	2.99	1016	0.0000 608		1107K25 DUP-1 30-10*4
12.76	4.10	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.06	15.93	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.17	5.24	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.37	4.11	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.46	11.92	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.55	1.47	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.72	8.82	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.82	4.20	1016	0.0000 608		1107K25 DUP-1 30-10*4
13.99	18.38	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.15	14.59	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.33	13.29	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.40	1.43	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.47	6.33	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.66	35.05	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.80	53.39	1016	0.0000 608		1107K25 DUP-1 30-10*4
14.94	7.26	1016	0.0000 608		1107K25 DUP-1 30-10*4
15.25	15.40 -		0.0000 608		1107K25 DUP-1 30-10*4
15.42	2.10 -		0.0000 608		1107K25 DUP-1 30-10*4
15.61	5.44	1260	0.0000 608		1107K25 DUP-1 30-10*4
15.61	384.06	1260 TOTAL	0.1628 608		1107K25 DUP-1 30-10*4
15.70	9.59	1260	0.0000 608		1107K25 DUP-1 30-10*4
15.82	18.60	1260	0.0000 608		1107K25 DUP-1 30-10*4
16.00	9.27	1260	0.0000 608		1107K25 DUP-1 30-10*4
15	57.41	1260	0.0000 608		1107K25 DUP-1 30-10*4
.9	1.52	1260	0.0000 608		1107K25 DUP-1 30-10*4
16.40	7.52	1260	0.0000 608		1107K25 DUP-1 30-10*4
16.63	20.68	1260	0.0000 608		1107K25 DUP-1 30-10*4
16.71	8.99	1260	0.0000 608		1107K25 DUP-1 30-10*4
16.91	5.86	1260	0.0000 608		1107K25 DUP-1 30-10*4
17.10	21.07	1260	0.0000 608		1107K25 DUP-1 30-10*4
17.16	2.42	1260	0.0000 608		1107K25 DUP-1 30-10*4
17.37	7.89	1260	0.0000 608		1107K25 DUP-1 30-10*4

17.67	10.79	1260		0.0000	608	1107K25 DUP-1 30-10*4
17.81	9.02	1260		0.0000	608	1107K25 DUP-1 30-10*4
17.88	2.87	1260		0.0000	608	1107K25 DUP-1 30-10*4
17.97	1.65	1260		0.0000	608	1107K25 DUP-1 30-10*4
18.19	14.49	1260		0.0000	608	1107K25 DUP-1 30-10*4
18.31	37.94	1260		0.0000	608	1107K25 DUP-1 30-10*4
18.50	9.63	1260		0.0000	608	1107K25 DUP-1 30-10*4
18.67	11.14	1260		0.0000	608	1107K25 DUP-1 30-10*4
18.79	1.78	1260		0.0000	608	1107K25 DUP-1 30-10*4
19.49	19.27	1260		0.0000	608	1107K25 DUP-1 30-10*4
19.76	11.00	1260		0.0000	608	1107K25 DUP-1 30-10*4
19.88	1.74	1260		0.0000	608	1107K25 DUP-1 30-10*4
20.02	26.07	1260		0.0000	608	1107K25 DUP-1 30-10*4
20.56	2.08	1260		0.0000	608	1107K25 DUP-1 30-10*4
20.85	1.13	1260		0.0000	608	1107K25 DUP-1 30-10*4
21.13	14.60	1260		0.0000	608	1107K25 DUP-1 30-10*4
21.28	20.13	1260		0.0000	608	1107K25 DUP-1 30-10*4
22.07	2.86	1260		0.0000	608	1107K25 DUP-1 30-10*4
22.64	2.21	1260		0.0000	608	1107K25 DUP-1 30-10*4
22.92	5.51	1260		0.0000	608	1107K25 DUP-1 30-10*4
23.27	1.87	1260		0.0000	608	1107K25 DUP-1 30-10*4
24.00	1.60	-		0.0000	608	1107K25 DUP-1 30-10*4
24.28	2.63	-		0.0000	608	1107K25 DUP-1 30-10*4
25.34	6.24	-		0.0000	608	1107K25 DUP-1 30-10*4
25.64	70.53	DCB	0,1	30.6310	608	1107K25 DUP-1 30-10*4
25.97	41.18	-		0.0000	608	1107K25 DUP-1 30-10*4
	2225.44			31.0878		

12390

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-2

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K26

Level: (low/med) LOW Date Received: 11/07/02

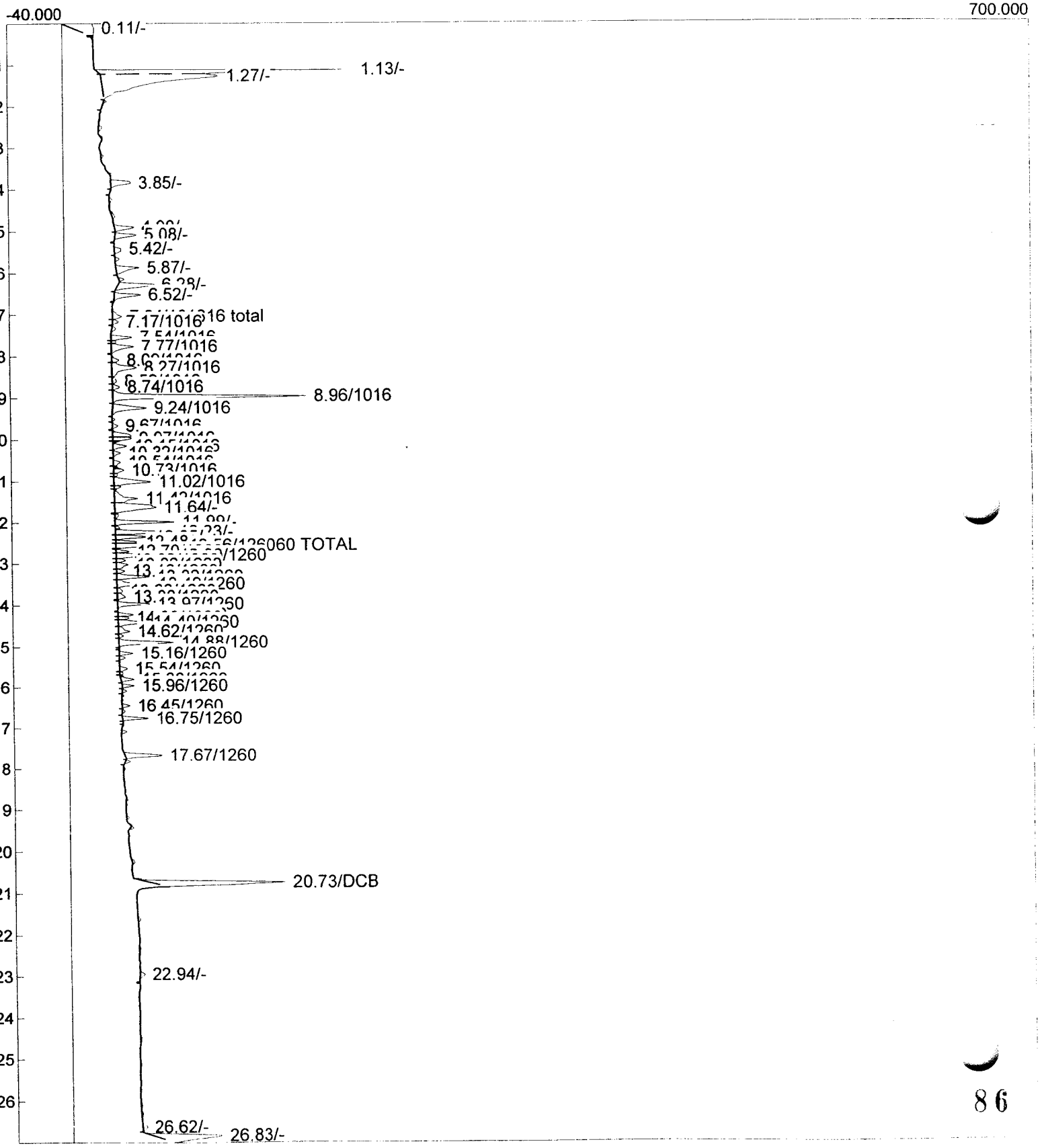
% Moisture: not dec. 17. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	200.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	160.	U

Lab name: AES
Analysis date: 11/20/2002 05:24:22
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B972.chr ()
Sample: 1107K26 DUP-2
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.11	219.04	0	0.0000 -		DB1701	1107K26 DUP-2
1.13	660.99	0	0.0000 -		DB1701	1107K26 DUP-2
1.27	1223.71	0	0.0000 -		DB1701	1107K26 DUP-2
^ 85	98.69	0	0.0000 -		DB1701	1107K26 DUP-2
00	0.00	6	0.0000 TCMX		DB1701	1107K26 DUP-2
4.90	76.22	0	0.0000 -		DB1701	1107K26 DUP-2
5.08	81.41	0	0.0000 -		DB1701	1107K26 DUP-2
5.42	35.20	0	0.0000 -		DB1701	1107K26 DUP-2
5.87	102.53	0	0.0000 -		DB1701	1107K26 DUP-2
6.28	165.52	0	0.0000 -		DB1701	1107K26 DUP-2
6.52	99.32	0	0.0000 -		DB1701	1107K26 DUP-2
7.04	1861.99	2	0.2377	1016 total	DB1701	1107K26 DUP-2
7.04	49.50	1	0.0000	1016	DB1701	1107K26 DUP-2
7.17	21.43	1	0.0000	1016	DB1701	1107K26 DUP-2
7.54	70.03	1	0.0000	1016	DB1701	1107K26 DUP-2
7.77	102.07	1	0.0000	1016	DB1701	1107K26 DUP-2
8.09	28.41	1	0.0000	1016	DB1701	1107K26 DUP-2
8.27	150.84	1	0.0000	1016	DB1701	1107K26 DUP-2
8.59	23.05	1	0.0000	1016	DB1701	1107K26 DUP-2
8.74	27.06	1	0.0000	1016	DB1701	1107K26 DUP-2
8.96	640.77	1	0.0000	1016	DB1701	1107K26 DUP-2
9.24	157.46	1	0.0000	1016	DB1701	1107K26 DUP-2
9.67	20.53	1	0.0000	1016	DB1701	1107K26 DUP-2
9.91	79.36	1	0.0000	1016	DB1701	1107K26 DUP-2
9.97	57.81	1	0.0000	1016	DB1701	1107K26 DUP-2
10.15	49.48	1	0.0000	1016	DB1701	1107K26 DUP-2
10.32	26.37	1	0.0000	1016	DB1701	1107K26 DUP-2
10.54	29.17	1	0.0000	1016	DB1701	1107K26 DUP-2
10.73	36.70	1	0.0000	1016	DB1701	1107K26 DUP-2
11.02	167.51	1	0.0000	1016	DB1701	1107K26 DUP-2
11.42	124.45	1	0.0000	1016	DB1701	1107K26 DUP-2
11.64	276.43	0	0.0000 -		DB1701	1107K26 DUP-2
11.99	168.53	0	0.0000 -		DB1701	1107K26 DUP-2
12.23	181.14	0	0.0000 -		DB1701	1107K26 DUP-2
35	99.82	0	0.0000 -		DB1701	1107K26 DUP-2
12.48	54.78	0	0.0000 -		DB1701	1107K26 DUP-2
12.56	1687.29	4	0.1187	1260 TOTAL	DB1701	1107K26 DUP-2
12.56	197.17	3	0.0000	1260	DB1701	1107K26 DUP-2
12.70	34.86	3	0.0000	1260	DB1701	1107K26 DUP-2
12.80	170.77	3	0.0000	1260	DB1701	1107K26 DUP-2
12.92	29.49	3	0.0000	1260	DB1701	1107K26 DUP-2
13.02	50.67	3	0.0000	1260	DB1701	1107K26 DUP-2
13.18	25.08	3	0.0000	1260	DB1701	1107K26 DUP-2
13.32	109.58	3	0.0000	1260	DB1701	1107K26 DUP-2
13.49	118.23	3	0.0000	1260	DB1701	1107K26 DUP-2
13.66	24.07	3	0.0000	1260	DB1701	1107K26 DUP-2
13.80	35.96	3	0.0000	1260	DB1701	1107K26 DUP-2
13.97	98.71	3	0.0000	1260	DB1701	1107K26 DUP-2
14.22	43.80	3	0.0000	1260	DB1701	1107K26 DUP-2
14.30	31.06	3	0.0000	1260	DB1701	1107K26 DUP-2
14.40	105.16	3	0.0000	1260	DB1701	1107K26 DUP-2
14.62	47.29	3	0.0000	1260	DB1701	1107K26 DUP-2
14.88	192.51	3	0.0000	1260	DB1701	1107K26 DUP-2
15.16	40.04	3	0.0000	1260	DB1701	1107K26 DUP-2
15.54	28.02	3	0.0000	1260	DB1701	1107K26 DUP-2
15.80	42.95	3	0.0000	1260	DB1701	1107K26 DUP-2
15.96	30.76	3	0.0000	1260	DB1701	1107K26 DUP-2
16.45	21.80	3	0.0000	1260	DB1701	1107K26 DUP-2
16.75	68.90	3	0.0000	1260	DB1701	1107K26 DUP-2
17.67	140.41	3	0.0000	1260	DB1701	1107K26 DUP-2
20.73	528.61	5	33.5029	DCB	DB1701	1107K26 DUP-2
22.94	24.31	0	0.0000 -		DB1701	1107K26 DUP-2
26.62	26.13	0	0.0000 -		DB1701	1107K26 DUP-2
28.83	357.64	0	0.0000 -		DB1701	1107K26 DUP-2
	11578.60	63	33.8592			

1248

509.69

200

1254

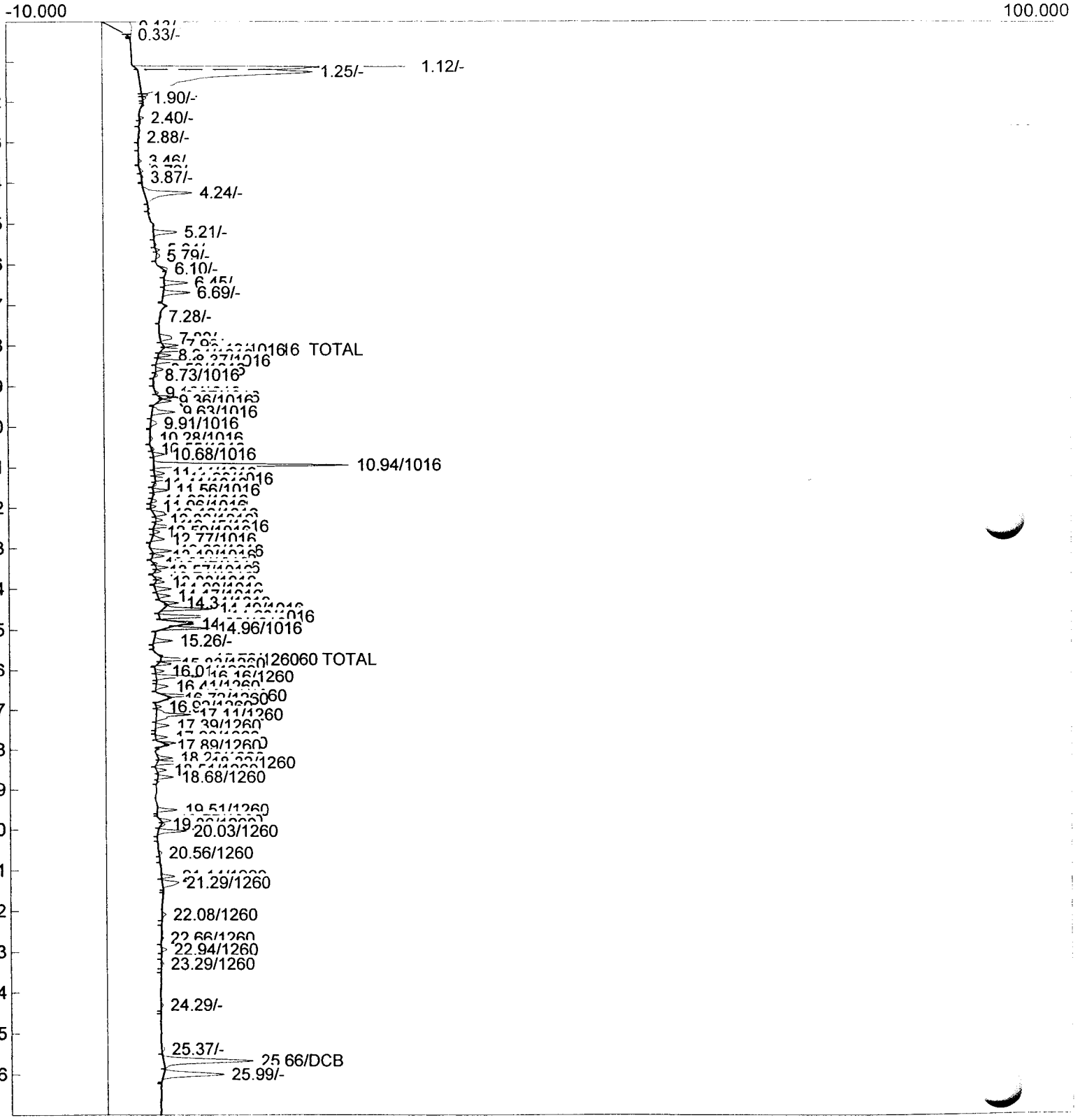
667.14

270

13590

0.3

Lab name: AES
Analysis date: 11/20/2002 05:24:22
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C972.chr ()
Sample: 1107K26 DUP-2 30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	34.04 -		0.0000 608		1107K26 DUP-2 30-10*4
0.33	1.51 -		0.0000 608		1107K26 DUP-2 30-10*4
1.12	96.76 -		0.0000 608		1107K26 DUP-2 30-10*4
1.25	241.77 -		0.0000 608		1107K26 DUP-2 30-10*4
82	2.25 -		0.0000 608		1107K26 DUP-2 30-10*4
0	1.56 -		0.0000 608		1107K26 DUP-2 30-10*4
40	1.53 -		0.0000 608		1107K26 DUP-2 30-10*4
2.88	1.01 -		0.0000 608		1107K26 DUP-2 30-10*4
3.46	1.70 -		0.0000 608		1107K26 DUP-2 30-10*4
3.72	1.61 -		0.0000 608		1107K26 DUP-2 30-10*4
3.87	1.31 -		0.0000 608		1107K26 DUP-2 30-10*4
4.24	37.15 -		0.0000 608		1107K26 DUP-2 30-10*4
5.21	12.82 -		0.0000 608		1107K26 DUP-2 30-10*4
5.64	1.45 -		0.0000 608		1107K26 DUP-2 30-10*4
5.79	2.71 -		0.0000 608		1107K26 DUP-2 30-10*4
6.10	2.66 -		0.0000 608		1107K26 DUP-2 30-10*4
6.45	11.19 -		0.0000 608		1107K26 DUP-2 30-10*4
6.69	12.96 -		0.0000 608		1107K26 DUP-2 30-10*4
7.28	1.05 -		0.0000 608		1107K26 DUP-2 30-10*4
7.82	9.15 -		0.0000 608		1107K26 DUP-2 30-10*4
7.99	5.11 -		0.0000 608		1107K26 DUP-2 30-10*4
8.10	329.25	1016 TOTAL	0.2574 608		1107K26 DUP-2 30-10*4
8.10	15.63	1016	0.0000 608		1107K26 DUP-2 30-10*4
8.24	4.71	1016	0.0000 608		1107K26 DUP-2 30-10*4
8.37	13.69	1016	0.0000 608		1107K26 DUP-2 30-10*4
8.58	3.81	1016	0.0000 608		1107K26 DUP-2 30-10*4
8.73	1.64	1016	0.0000 608		1107K26 DUP-2 30-10*4
9.16	1.27	1016	0.0000 608		1107K26 DUP-2 30-10*4
9.27	5.79	1016	0.0000 608		1107K26 DUP-2 30-10*4
9.36	5.02	1016	0.0000 608		1107K26 DUP-2 30-10*4
9.63	13.45	1016	0.0000 608		1107K26 DUP-2 30-10*4
9.91	4.40	1016	0.0000 608		1107K26 DUP-2 30-10*4
10.28	1.78	1016	0.0000 608		1107K26 DUP-2 30-10*4
10.55	1.42	1016	0.0000 608		1107K26 DUP-2 30-10*4
10.68	5.11	1016	0.0000 608		1107K26 DUP-2 30-10*4
10.94	84.57	1016	0.0000 608		1107K26 DUP-2 30-10*4
11.14	4.94	1016	0.0000 608		1107K26 DUP-2 30-10*4
28	10.52	1016	0.0000 608		1107K26 DUP-2 30-10*4
1	1.18	1016	0.0000 608		1107K26 DUP-2 30-10*4
11.56	6.25	1016	0.0000 608		1107K26 DUP-2 30-10*4
11.83	2.37	1016	0.0000 608		1107K26 DUP-2 30-10*4
11.96	2.04	1016	0.0000 608		1107K26 DUP-2 30-10*4
12.16	8.43	1016	0.0000 608		1107K26 DUP-2 30-10*4
12.30	2.73	1016	0.0000 608		1107K26 DUP-2 30-10*4
12.45	8.86	1016	0.0000 608		1107K26 DUP-2 30-10*4
12.59	2.75	1016	0.0000 608		1107K26 DUP-2 30-10*4
12.77	7.01	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.06	8.99	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.19	4.67	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.38	1.29	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.47	4.26	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.57	2.32	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.74	2.20	1016	0.0000 608		1107K26 DUP-2 30-10*4
13.83	3.23	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.00	7.54	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.17	5.33	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.34	4.71	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.49	19.34	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.68	24.78	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.81	2.81	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.86	2.39	1016	0.0000 608		1107K26 DUP-2 30-10*4
14.96	16.03	1016	0.0000 608		1107K26 DUP-2 30-10*4
15.26	8.46 -		0.0000 608		1107K26 DUP-2 30-10*4
15.72	194.50	1260 TOTAL	0.0825 608		1107K26 DUP-2 30-10*4
15.72	16.70	1260	0.0000 608		1107K26 DUP-2 30-10*4
15.83	5.39	1260	0.0000 608		1107K26 DUP-2 30-10*4
16.01	3.72	1260	0.0000 608		1107K26 DUP-2 30-10*4
16.16	19.59	1260	0.0000 608		1107K26 DUP-2 30-10*4
16.41	6.34	1260	0.0000 608		1107K26 DUP-2 30-10*4
64	10.27	1260	0.0000 608		1107K26 DUP-2 30-10*4
2	3.07	1260	0.0000 608		1107K26 DUP-2 30-10*4
2	2.01	1260	0.0000 608		1107K26 DUP-2 30-10*4
17.11	22.62	1260	0.0000 608		1107K26 DUP-2 30-10*4
17.39	6.51	1260	0.0000 608		1107K26 DUP-2 30-10*4
17.68	5.09	1260	0.0000 608		1107K26 DUP-2 30-10*4
17.82	3.68	1260	0.0000 608		1107K26 DUP-2 30-10*4
17.89	1.20	1260	0.0000 608		1107K26 DUP-2 30-10*4
18.20	5.84	1260	0.0000 608		1107K26 DUP-2 30-10*4

18.32	18.01	1260		0.0000	608	1107K26 DUP-2 30-10*4
18.51	4.25	1260		0.0000	608	1107K26 DUP-2 30-10*4
18.68	6.41	1260		0.0000	608	1107K26 DUP-2 30-10*4
19.51	8.05	1260		0.0000	608	1107K26 DUP-2 30-10*4
19.77	4.36	1260		0.0000	608	1107K26 DUP-2 30-10*4
19.86	1.64	1260		0.0000	608	1107K26 DUP-2 30-10*4
20.03	12.16	1260		0.0000	608	1107K26 DUP-2 30-10*4
20.56	1.70	1260		0.0000	608	1107K26 DUP-2 30-10*4
21.14	5.77	1260		0.0000	608	1107K26 DUP-2 30-10*4
21.29	12.42	1260		0.0000	608	1107K26 DUP-2 30-10*4
22.08	2.49	1260		0.0000	608	1107K26 DUP-2 30-10*4
22.66	1.19	1260		0.0000	608	1107K26 DUP-2 30-10*4
22.94	2.65	1260		0.0000	608	1107K26 DUP-2 30-10*4
23.29	1.37	1260		0.0000	608	1107K26 DUP-2 30-10*4
24.29	1.65	-		0.0000	608	1107K26 DUP-2 30-10*4
25.37	2.30	-		0.0000	608	1107K26 DUP-2 30-10*4
25.66	63.73	DCB	0.2	27.6743	608	1107K26 DUP-2 30-10*4
25.99	42.30	-		0.0000	608	1107K26 DUP-2 30-10*4
	1647.24			28.0142		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) WATER Lab Sample ID: EB-1

Sample wt/vol: 1000. (g/mL) ML Lab File ID: 021107 K27

Level: (low/med) LOW Date Received: 11/07/02

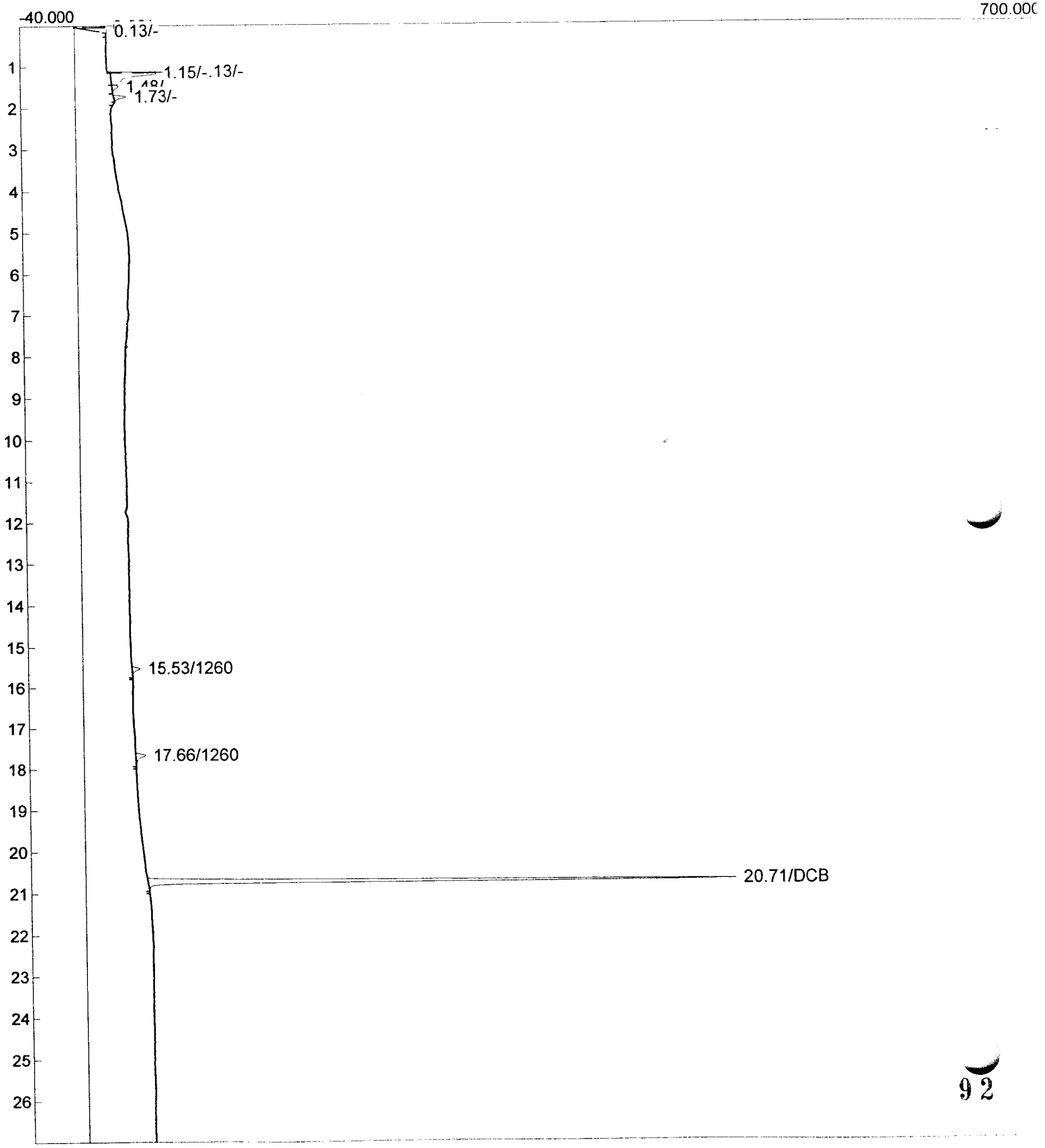
% Moisture: not dec. __. dec._____ Date Extracted: 11/12/02

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Arochlor-1016	0.065	U
11104-28-2	Arochlor-1221	0.065	U
11141-16-5	Arochlor-1232	0.065	U
53469-21-9	Arochlor-1242	0.065	U
12672-29-6	Arochlor-1248	0.065	U
11097-69-1	Arochlor-1254	0.065	U
11096-82-5	Arochlor-1260	0.065	U

Lab name: AES
Analysis date: 11/20/2002 08:59:17
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B977.chr ()
Sample: 1107K27 EB-1 1L-10 2 KF
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.02	51.51	0	0.0000 -		DB1701	1107K27 EB-1 1L-
0.13	82.52	0	0.0000 -		DB1701	1107K27 EB-1 1L-
1.13	69.29	0	0.0000 -		DB1701	1107K27 EB-1 1L-
1 15	248.27	0	0.0000 -		DB1701	1107K27 EB-1 1L-
:8	28.50	0	0.0000 -		DB1701	1107K27 EB-1 1L-
73	39.75	0	0.0000 -		DB1701	1107K27 EB-1 1L-
0.00	0.00	6	0.0000	TCMX	DB1701	1107K27 EB-1 1L-
0.00	0.00	1	0.0000	1016	DB1701	1107K27 EB-1 1L-
0.00	0.00	2	0.0000	1016 total	DB1701	1107K27 EB-1 1L-
0.00	0.00	4	0.0000	1260 TOTAL	DB1701	1107K27 EB-1 1L-
15.53	35.66	3	0.0000	1260	DB1701	1107K27 EB-1 1L-
17.66	49.74	3	0.0000	1260	DB1701	1107K27 EB-1 1L-
20.71	1688.02	5	106.9858	DCB 1098	DB1701	1107K27 EB-1 1L-
	2293.26	9	106.9858			

0.2

STANDARDS

DATA

6D
PCB INITIAL CALIBRATION

Lab Name: Adirondack Environmental Services, Inc. Contract:
Lab Code: AES Case No: UR 0205 SAS No.: SDG No: DS-3 (0.5-1.0)

Instrument ID (1): VAR-1
GC Column (1): DB1701 ID: 0.53 (mm) Date(s) Analyzed: 11/7/02

Compound	RT of Standards						Mean RT	RT Window	
	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6		From	To
Aroclor 1016	8.23	8.200	8.210	8.230	8.250	8.230	8.225	8.143	8.307
Aroclor 1260	16.700	16.690	16.700	16.750	16.760	16.750	16.725	16.558	16.892
DCB *	20.660	20.650	20.640	20.730	20.730	20.720	20.688	20.481	20.895

Retention times for Aroclors are calculated from +/- 0.07 minutes from the mean retention time for the reference peak.

Retention time for DCB is calculated from +/- 0.10 minutes from the mean retention time.

FORM 6E
PCB INITIAL CALIBRATION

Lab Name: Adirondack Environmental Services Inc. Contract: _____

Lab Code: AES Case No: UR 0205 SAS No.: _____ SDG No: DS-3 (0.5-1.0)

Instrument ID (1): VAR-1 Level (x low): low _____ mid _____ high _____

GC Column (1): DB1701 (mm) 0.53 Date(s) Analyzed: 11/7/02 _____

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6		
Aroclor 1016	5169.2	5946.3	5198.6	5091.9	5037.0	4891.0	5222.3	7.11
Aroclor 1260	10606.1	10099.0	9162.1	9071.5	9103.1	8822.9	9477.5	7.45
DCB *	11629.3	10324.1	10373.7	10713.5	10440.1	10574.7	10675.9	4.57

* Surrogate compound

%RSD must be less than 20 % for all compounds and surrogates. If the %RSD is greater than 20 % the calibration curve must be used for quanititation.

8E

PCB EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for DCB

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

Dates of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	AR1660 0.05	AR1660 0.05	11/07/02	02:11	.0	
2	AR1660 0.1	AR1660 0.1	11/07/02	02:43	.0	
3	AR1660 0.25	AR1660 0.25	11/07/02	03:15	.1	
4	AR1660 0.5	AR1660 0.5	11/07/02	03:47	.3	
5	AR1660 1.0	AR1660 1.0	11/07/02	04:19	.3	
6	AR1660 2.0	AR1660 2.0	11/07/02	04:51	.3	
7	AR1660 0.5 CC1	AR1660 0.5 CC1	11/16/02	05:37	.2	
8	AR1221 0.5	AR1221 0.5	11/16/02	06:20	.1	
9	AR1232 0.5	AR1232 0.5	11/16/02	07:03	.1	
10	AR1242 0.5	AR1242 0.5	11/16/02	07:46	.1	
11	AR1248 0.5	AR1248 0.5	11/16/02	08:29	.3	
12	AR1254 0.5	AR1254 0.5	11/16/02	09:12	.3	
13	US-4 (0.5-1)	US-4 (0.5-1)	11/16/02	19:57	.3	
14	AR1660 O.5	AR1660 0.5	11/16/02	20:40	.3	
15	AR1660 0.5	AR1660 0.5	11/17/02	03:07	.2	
	PBLKU02	PBLKU02	11/17/02	03:50	.1	
17	DS-3 (0.5-1.0)	DS-3 (0.5-1.0)	11/17/02	06:42	.2	
18	DS-3 (1-2)	DS-3 (1-2)	11/17/02	07:25	.2	
19	AR1660 0.5	AR1660 0.5	11/17/02	08:51	.1	
20	AR1660 0.5	AR1660 0.5	11/19/02	21:36	.3	
20	DS-4 (0-0.5)	DS-5 (0-0.5)	11/20/02	03:15	.3	
21	AR1660 0.5	AR1660 0.5	11/20/02	03:58	.2	
22	DUP-1	DUP-1	11/20/02	04:41	.3	
23	DUP-2	DUP-2	11/20/02	05:24	.3	
24	PMSBU02	PMSBU02	11/20/02	06:07	.2	
25	US-4 (0-0.5) MS	US-4 (0-0.5) MS	11/20/02	06:50	.4	
26	US-4 (0-0.5) MSD	US-4 (0-0.5) MSD	11/20/02	07:33	.3	
27	PBLKU03	PBLKU03	11/20/02	08:16	.3	
28	EB-1	EB-1	11/20/02	08:59	.2	
29	AR1660 0.5	AR1660 0.5	11/20/02	09:42	.3	
30	AR1221 0.5	AR1221 0.5	11/20/02	11:08	.3	
31	AR1232 0.5	AR1232 0.5	11/20/02	11:51	.3	
32	AR1242 0.5	AR1242 0.5	11/20/02	12:34	.3	
33	AR1248 0.5	AR1248 0.5	11/20/02	13:17	.3	
34	AR1254 0.5	AR1254 0.5	11/20/02	14:00	.3	
35						
36						
37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

8E

PCB EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for DCB

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

Dates of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	AR1660 0.5	AR1660 0.5	11/16/02	05:37	.0	
2	AR1248 0.5	AR1248 0.5	11/16/02	08:29	.2	
3	AR1254 0.5	AR1254 0.5	11/16/02	09:12	.2	
4	US-4 (0.5-1)	US-4 (0.5-1)	11/16/02	09:55	.1	
5	AR1660 0.5	AR1660 0.5	11/16/02	10:38	.2	
6	AR1660 0.5	AR1660 0.5	11/16/02	11:21	.1	
7	PBLKU02	PBLKU02	11/16/02	12:04	.1	
8	DS-3 (0.5-1.0)	DS-3 (0.5-1.0)	11/16/02	12:47	.2	
9	DS-3 (1-2)	DS-3 (1-2)	11/16/02	14:56	.1	
10	AR1660 0.5	AR1660 0.5	11/16/02	15:39	.2	
11	AR1660 0.5	AR1660 0.5	11/16/02	16:22	.0	
12	DS-4 (0-0.5)	DS-4 (0-0.5)	11/16/02	17:05	.1	
13	DUP-1	DUP-1	11/16/02	17:48	.2	
14	DUP-2	DUP-2	11/16/02	18:31	.2	
15	AR1660 0.5	AR1660 0.5	11/20/02	09:42	.1	
16	AR1248 0.5	AR1248 0.5	11/20/02	13:17	.2	
17	AR1254 0.5	AR1254 0.5	11/20/02	14:00	.2	
18						
19						
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37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/06/02
TIME OF ANALYSIS 05:37
EPA SAMPLE NO. (STANDARD) CC1 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.25	4926.	Y	5.7
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.73	8636.	Y	8.9

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/16/02
TIME OF ANALYSIS 20:40
EPA SAMPLE NO. (STANDARD) CC2 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.24	5220.	Y	0.0
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.75	9332.	Y	1.5

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 03:06
EPA SAMPLE NO. (STANDARD) CC3 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.25	5216.	Y	0.1
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.74	9188.	Y	3.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 05:37
EPA SAMPLE NO. (STANDARD) CC4 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.21	5215.	Y	0.1
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.72	9171.	Y	3.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/19/02
TIME OF ANALYSIS 21:35
EPA SAMPLE NO. (STANDARD) CC5 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.24	4675.	Y	10.5
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.75	8605.	Y	9.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 03:58
EPA SAMPLE NO. (STANDARD) CC6 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.23	5147.	Y	1.4
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.74	9001.	Y	5.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02				DATE OF ANALYSIS 11/20/02			
	TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00				TIME OF ANALYSIS 09:42			
					EPA SAMPLE NO. (STANDARD) 1660			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.	8.25	5316.	Y	1.8
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.76	9865.	Y	4.1

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS	FROM: 11/07/02 TO: 11/20/02			DATE OF ANALYSIS	11/20/02		
	TIME(S) OF ANALYSIS	FROM: 02:11 TO: 14:00			TIME OF ANALYSIS	11:08		
					EPA SAMPLE NO. (STANDARD)	1221		
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.			Y	
Arochlor-1221	6.00	5.94	6.06	749.	6.01	641.	Y	14.4
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02				DATE OF ANALYSIS 11/20/02			
	TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00				TIME OF ANALYSIS 11:51			
					EPA SAMPLE NO. (STANDARD) 1232			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.	6.01	2808.	Y	8.1
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00
DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 12:34
EPA SAMPLE NO. (STANDARD) 1242

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.	8.26	2674.	Y	10.9
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02				DATE OF ANALYSIS 11/20/02			
	TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00				TIME OF ANALYSIS 13:17			
					EPA SAMPLE NO. (STANDARD) 1248			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.	10.15	2949.	Y	9.8
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02 TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00				DATE OF ANALYSIS 11/20/02 TIME OF ANALYSIS 14:00 EPA SAMPLE NO. (STANDARD) 1254			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222.			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.	14.89	2893.	Y	8.1
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/16/02
TIME OF ANALYSIS 20:40
EPA SAMPLE NO. (STANDARD) AR 1660 CC1

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.13	882.	N	3.4
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.01	1703.	N	8.3

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 03:06
EPA SAMPLE NO. (STANDARD) AR 1660 CC2

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.11	939.	N	10.1
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.0	1543.	N	1.9

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 08:50
EPA SAMPLE NO. (STANDARD) AR 1660 CC3

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.09	898.	N	5.3
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.		1588.	N	1.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/19/02
TIME OF ANALYSIS 21:35
EPA SAMPLE NO. (STANDARD) AR 1660 CC4

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.13	795.	N	6.8
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.02	1393.	N	11.4

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 03:58
EPA SAMPLE NO. (STANDARD) AR 1660 CC5

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.12	859.	N	0.7
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.00	1465.	N	6.9

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 09:42
EPA SAMPLE NO. (STANDARD) AR 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.15	866.	N	1.5
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.04	1491.	N	5.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

	DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02 TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00				DATE OF ANALYSIS 11/20/02 TIME OF ANALYSIS 13:17 EPA SAMPLE NO. (STANDARD) AR 1248			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.			N	
Arochlor-1248	13.08	12.95	13.21	279.	11.13	296.	N	6.1
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.			N	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 14:00
EPA SAMPLE NO. (STANDARD) AR 1254

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.			N	
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.	17.12	466.	N	3.1
Arochlor-1260	19.99	19.79	20.18	1573.			N	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form o quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-3 (0.5-1.0)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-3 (0.5-1.0)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.12	10.07	10.27	Y	N
2		Column 2	13.03	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.85	14.75	15.05	Y	N
4		Column 2	17.08	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-3 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-3 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.13	10.07	10.27	Y	N
2		Column 2	13.04	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.86	14.75	15.05	Y	N
4		Column 2	17.09	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-4 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-4 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
2		Column 2	17.11	16.94	17.28	N	N
3		Column 1					
4		Column 2					
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-4 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.16	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DUP-1

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DUP-1

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.14	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.10	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DUP-2

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DUP-2

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.15	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

AR1016 VAR-1

DB1701 11/7/02

6 POINT CALIBRATION

RT	UG/ML	TOTAL AREA	CAL FACTOR
6.85	0.05	387.69	5169.20
to	0.10	891.94	5946.27
8.23 REF	0.25	1949.46	5198.56
to	0.50	3818.93	5091.91
11.50	1.00	7555.55	5037.03
	2.00	14672.97	4890.99

MEAN = 5222.33

SD = 371.11

%RSD = 7.11

AR1260 VAR-1

DB1701 11/7/02

6 POINT CALIBRATION

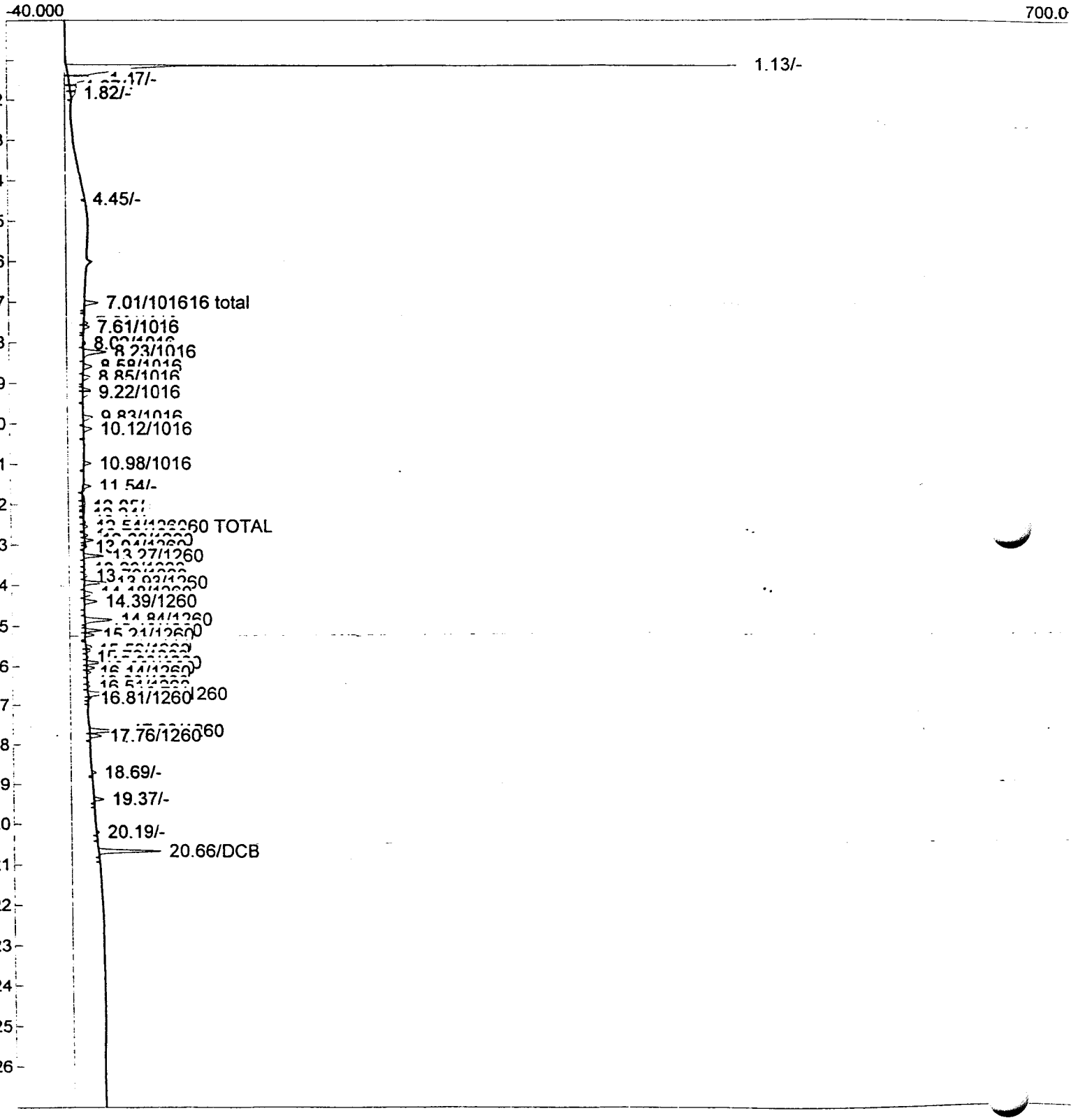
RT	UG/ML	TOTAL AREA	CAL FACTOR
12.50	0.05	795.46	10606.13
to	0.10	1514.85	10099.00
16.70 REF	0.25	3435.79	9162.11
to	0.50	6803.63	9071.51
18.30	1.00	13654.67	9103.11
	2.00	26468.69	8822.90

MEAN = 9477.46

SD = 706.12

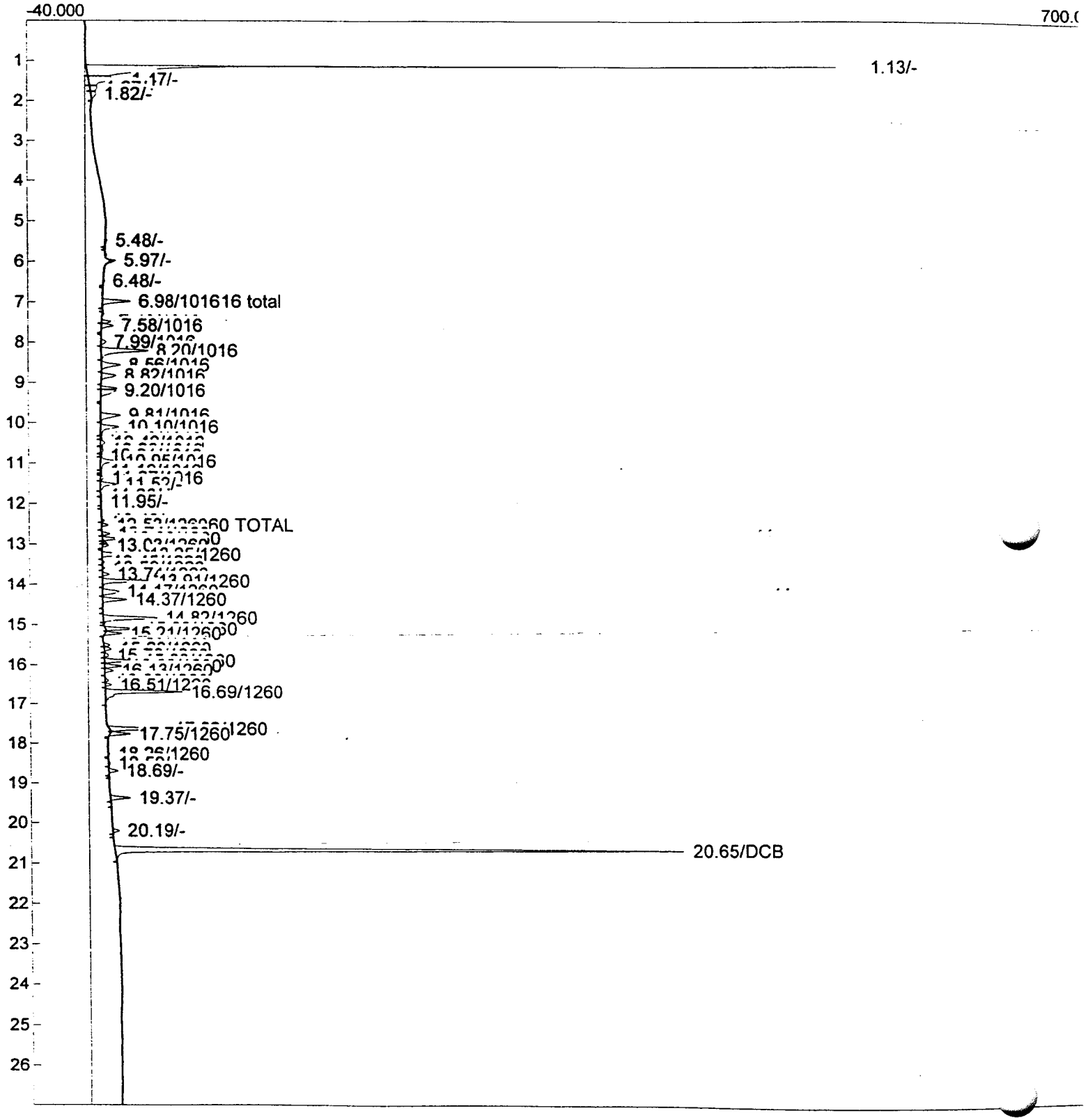
%RSD = 7.45

Lab name: AES
Analysis date: 11/07/2002 02:11:06
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B748.chr ()
Sample: 1660 0.05
Operator: KEN FULLER



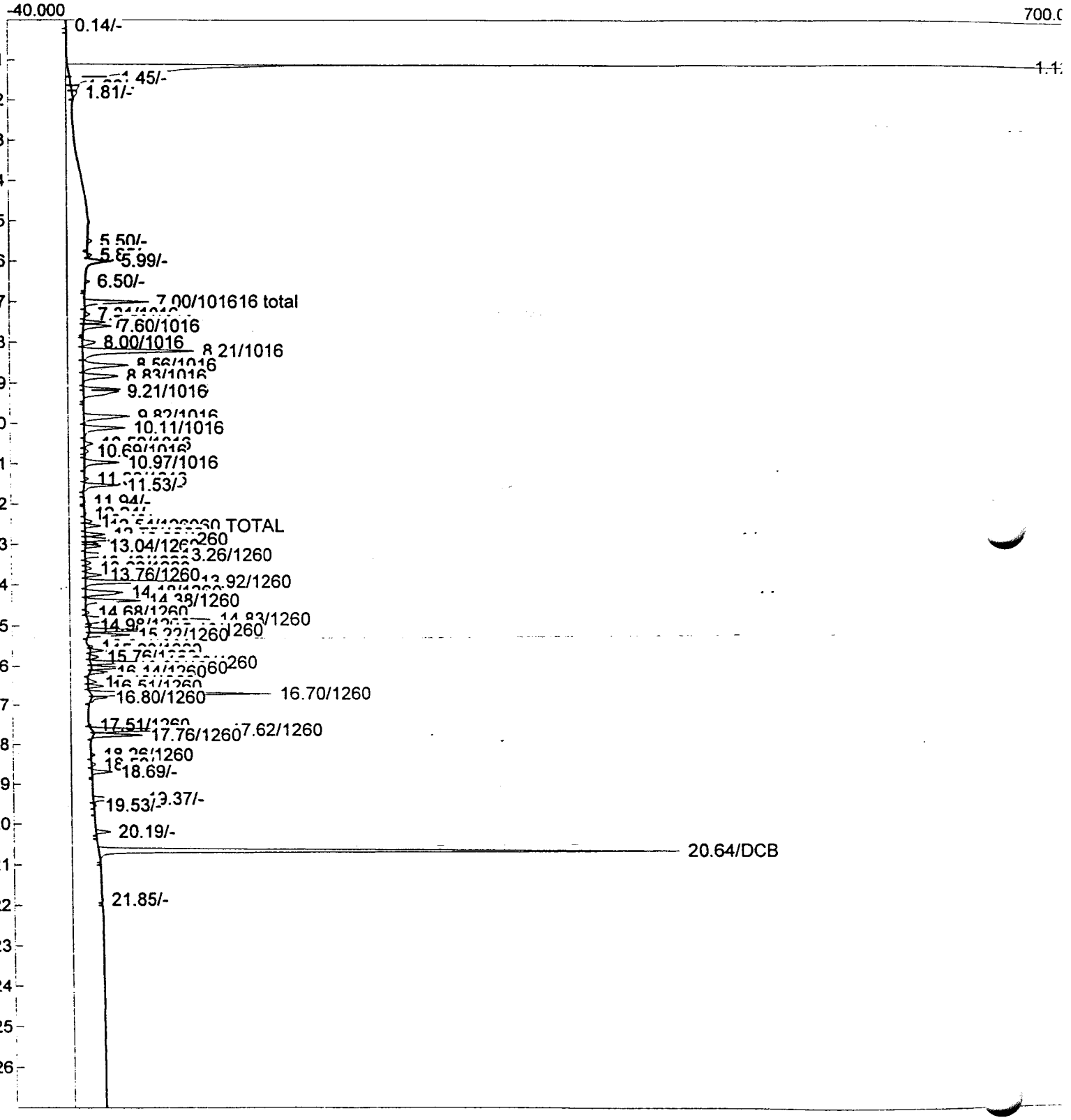
Retention	Area	Number	External	Component	Column	Sample
1.13	970.33	0	0.0000 -		DB1701	1660 0.05
1.47	177.64	0	0.0000 -		DB1701	1660 0.05
1.67	39.99	0	0.0000 -		DB1701	1660 0.05
1.82	25.22	0	0.0000 -		DB1701	1660 0.05
45	5.21	0	0.0000 -		DB1701	1660 0.05
.01	44.86	1	0.0000 1016		DB1701	1660 0.05
7.01	387.69	2	0.0508	1016 total	DB1701	1660 0.05
7.52	11.54	1	0.0000 1016		DB1701	1660 0.05
7.61	18.57	1	0.0000 1016		DB1701	1660 0.05
8.02	10.14	1	0.0000 1016		DB1701	1660 0.05
8.23	91.89	1	0.0000 1016		DB1701	1660 0.05
8.58	34.60	1	0.0000 1016		DB1701	1660 0.05
8.85	28.79	1	0.0000 1016		DB1701	1660 0.05
9.17	20.90	1	0.0000 1016		DB1701	1660 0.05
9.22	36.00	1	0.0000 1016		DB1701	1660 0.05
9.83	36.89	1	0.0000 1016		DB1701	1660 0.05
10.12	30.82	1	0.0000 1016		DB1701	1660 0.05
10.98	22.69	1	0.0000 1016		DB1701	1660 0.05
11.54	28.44	0	0.0000 -		DB1701	1660 0.05
11.88	14.85	0	0.0000 -		DB1701	1660 0.05
11.96	12.87	0	0.0000 -		DB1701	1660 0.05
12.05	7.59	0	0.0000 -		DB1701	1660 0.05
12.24	5.31	0	0.0000 -		DB1701	1660 0.05
12.44	9.75	0	0.0000 -		DB1701	1660 0.05
12.54	795.46	4	0.0585	1260 TOTAL	DB1701	1660 0.05
12.54	12.01	3	0.0000 1260		DB1701	1660 0.05
12.76	10.05	3	0.0000 1260		DB1701	1660 0.05
12.88	20.57	3	0.0000 1260		DB1701	1660 0.05
13.04	6.07	3	0.0000 1260		DB1701	1660 0.05
13.27	51.94	3	0.0000 1260		DB1701	1660 0.05
13.60	5.32	3	0.0000 1260		DB1701	1660 0.05
13.76	10.40	3	0.0000 1260		DB1701	1660 0.05
13.93	65.22	3	0.0000 1260		DB1701	1660 0.05
14.18	33.18	3	0.0000 1260		DB1701	1660 0.05
39	41.31	3	0.0000 1260		DB1701	1660 0.05
.84	93.20	3	0.0000 1260		DB1701	1660 0.05
15.10	41.26	3	0.0000 1260		DB1701	1660 0.05
15.21	24.61	3	0.0000 1260		DB1701	1660 0.05
15.50	20.87	3	0.0000 1260		DB1701	1660 0.05
15.59	12.53	3	0.0000 1260		DB1701	1660 0.05
15.76	6.79	3	0.0000 1260		DB1701	1660 0.05
15.90	38.00	3	0.0000 1260		DB1701	1660 0.05
16.03	22.59	3	0.0000 1260		DB1701	1660 0.05
16.14	11.99	3	0.0000 1260		DB1701	1660 0.05
16.39	6.91	3	0.0000 1260		DB1701	1660 0.05
16.51	8.95	3	0.0000 1260		DB1701	1660 0.05
16.70	106.78	3	0.0000 1260		DB1701	1660 0.05
16.81	9.60	3	0.0000 1260		DB1701	1660 0.05
17.63	100.26	3	0.0000 1260		DB1701	1660 0.05
17.76	35.06	3	0.0000 1260		DB1701	1660 0.05
18.69	11.98	0	0.0000 -		DB1701	1660 0.05
19.37	27.67	0	0.0000 -		DB1701	1660 0.05
20.19	8.51	0	0.0000 -		DB1701	1660 0.05
20.66	174.44	5	10.8546	DCB 0.00	DB1701	1660 0.05
	3886.09	54	10.9638			

Lab name: AES
Analysis date: 11/07/2002 02:43:05
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B749.chr ()
Sample: 1660 0.1
Operator: KEN FULLER



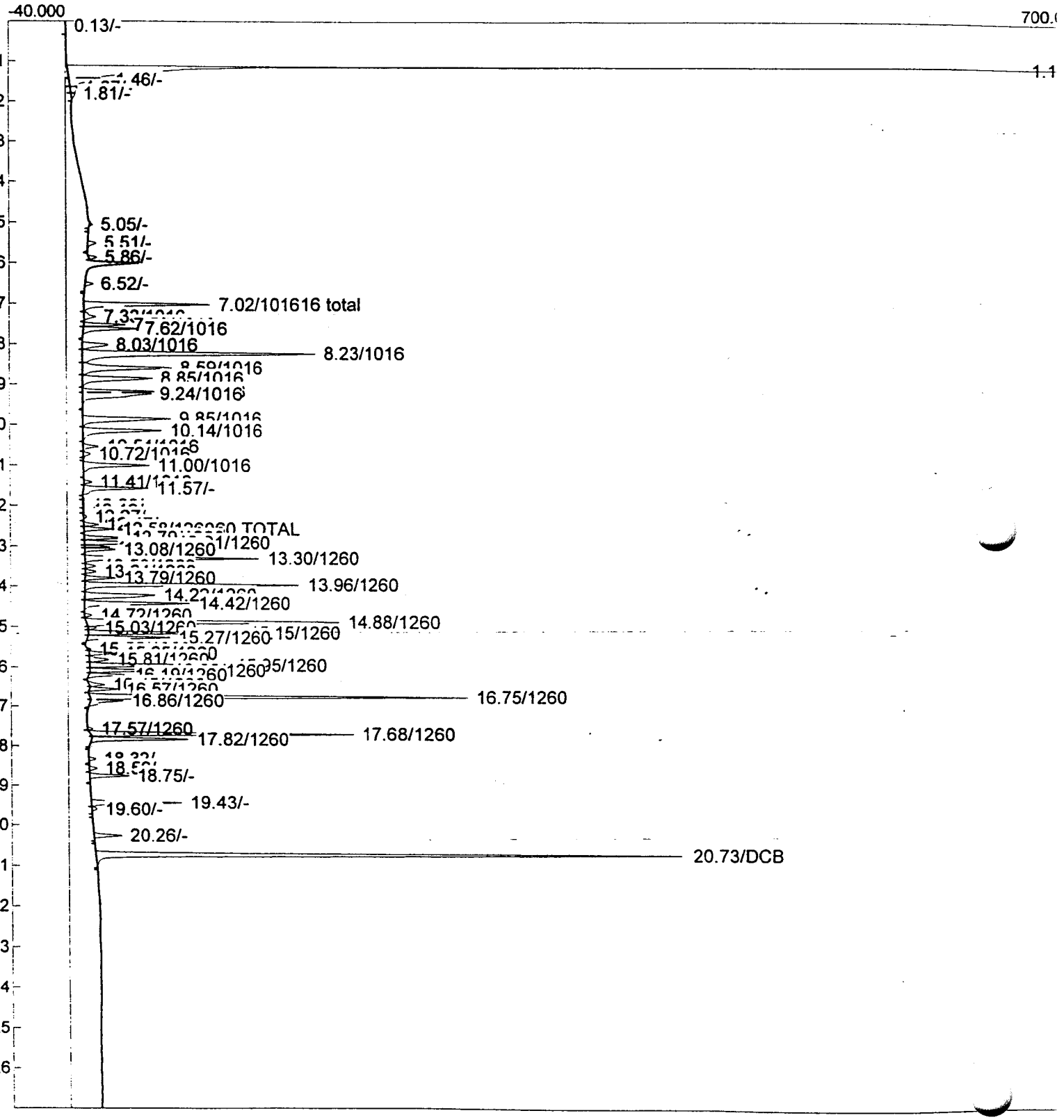
Retention	Area	Number	External	Component	Column		Sample
1.13	1068.51	0	0.0000 -		DB1701	1660 0.1	
1.47	193.53	0	0.0000 -		DB1701	1660 0.1	B7
1.67	39.89	0	0.0000 -		DB1701	1660 0.1	B7
1.82	31.77	0	0.0000 -		DB1701	1660 0.1	B7
.48	7.57	0	0.0000 -		DB1701	1660 0.1	B7
.97	8.69	0	0.0000 -		DB1701	1660 0.1	B7
6.48	5.23	0	0.0000 -		DB1701	1660 0.1	B7
6.98	891.94	2	0.1168	1016 total	DB1701	1660 0.1	B7
6.98	86.52	1	0.0000	1016	DB1701	1660 0.1	B7
7.49	23.12	1	0.0000	1016	DB1701	1660 0.1	B7
7.58	37.71	1	0.0000	1016	DB1701	1660 0.1	B7
7.99	20.53	1	0.0000	1016	DB1701	1660 0.1	B7
8.20	188.12	1	0.0000	1016	DB1701	1660 0.1	B7
8.56	74.29	1	0.0000	1016	DB1701	1660 0.1	B7
8.82	57.05	1	0.0000	1016	DB1701	1660 0.1	B7
9.14	38.28	1	0.0000	1016	DB1701	1660 0.1	B7
9.20	71.88	1	0.0000	1016	DB1701	1660 0.1	B7
9.81	80.52	1	0.0000	1016	DB1701	1660 0.1	B7
10.10	76.54	1	0.0000	1016	DB1701	1660 0.1	B7
10.40	5.95	1	0.0000	1016	DB1701	1660 0.1	B7
10.49	20.09	1	0.0000	1016	DB1701	1660 0.1	B7
10.68	16.86	1	0.0000	1016	DB1701	1660 0.1	B7
10.81	5.51	1	0.0000	1016	DB1701	1660 0.1	B7
10.95	70.97	1	0.0000	1016	DB1701	1660 0.1	B7
11.19	5.04	1	0.0000	1016	DB1701	1660 0.1	B7
11.37	12.99	1	0.0000	1016	DB1701	1660 0.1	B7
11.52	56.89	0	0.0000 -		DB1701	1660 0.1	B7
11.80	5.50	0	0.0000 -		DB1701	1660 0.1	B7
11.95	9.78	0	0.0000 -		DB1701	1660 0.1	B7
12.42	7.17	0	0.0000 -		DB1701	1660 0.1	B7
12.53	16.18	3	0.0000	1260	DB1701	1660 0.1	B7
12.53	1514.85	4	0.1113	1260 TOTAL	DB1701	1660 0.1	B7
12.74	19.88	3	0.0000	1260	DB1701	1660 0.1	B7
12.86	44.74	3	0.0000	1260	DB1701	1660 0.1	B7
97	9.37	3	0.0000	1260	DB1701	1660 0.1	B7
.03	15.67	3	0.0000	1260	DB1701	1660 0.1	B7
13.25	101.86	3	0.0000	1260	DB1701	1660 0.1	B7
13.45	7.02	3	0.0000	1260	DB1701	1660 0.1	B7
13.59	7.30	3	0.0000	1260	DB1701	1660 0.1	B7
13.74	18.53	3	0.0000	1260	DB1701	1660 0.1	B7
13.91	131.10	3	0.0000	1260	DB1701	1660 0.1	B7
14.17	67.89	3	0.0000	1260	DB1701	1660 0.1	B7
14.37	76.81	3	0.0000	1260	DB1701	1660 0.1	B7
14.82	180.49	3	0.0000	1260	DB1701	1660 0.1	B7
15.09	76.21	3	0.0000	1260	DB1701	1660 0.1	B7
15.21	38.10	3	0.0000	1260	DB1701	1660 0.1	B7
15.50	18.09	3	0.0000	1260	DB1701	1660 0.1	B7
15.60	22.86	3	0.0000	1260	DB1701	1660 0.1	B7
15.76	15.77	3	0.0000	1260	DB1701	1660 0.1	B7
15.89	79.88	3	0.0000	1260	DB1701	1660 0.1	B7
16.02	48.00	3	0.0000	1260	DB1701	1660 0.1	B7
16.13	25.35	3	0.0000	1260	DB1701	1660 0.1	B7
16.39	12.27	3	0.0000	1260	DB1701	1660 0.1	B7
16.51	17.18	3	0.0000	1260	DB1701	1660 0.1	B7
16.69	249.99	3	0.0000	1260	DB1701	1660 0.1	B7
17.62	158.41	3	0.0000	1260	DB1701	1660 0.1	B7
17.75	50.36	3	0.0000	1260	DB1701	1660 0.1	B7
18.26	5.53	3	0.0000	1260	DB1701	1660 0.1	B7
18.50	7.79	0	0.0000 -		DB1701	1660 0.1	B7
18.69	27.64	0	0.0000 -		DB1701	1660 0.1	B7
19.37	56.90	0	0.0000 -		DB1701	1660 0.1	B7
20.19	19.03	0	0.0000 -		DB1701	1660 0.1	B7
20.65	1548.62	5	96.3661	DCB	DB1701	1660 0.1	B7
	7908.10	63	96.5942				

Lab name: AES
Analysis date: 11/07/2002 03:15:03
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B750.chr ()
Sample: 1660 0.25
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column		Sample
0.14	5.38	0	0.0000 -		DB1701	1660 0.25	B7
1.12	2020.65	0	0.0000 -		DB1701	1660 0.25	B7
1.45	199.00	0	0.0000 -		DB1701	1660 0.25	B7
1.66	37.41	0	0.0000 -		DB1701	1660 0.25	B7
81	29.22	0	0.0000 -		DB1701	1660 0.25	B7
.50	16.63	0	0.0000 -		DB1701	1660 0.25	B7
5.85	11.60	0	0.0000 -		DB1701	1660 0.25	B7
5.99	9.35	0	0.0000 -		DB1701	1660 0.25	B7
6.50	13.07	0	0.0000 -		DB1701	1660 0.25	B7
7.00	1949.46	2	0.2552	1016 total	DB1701	1660 0.25	B7
7.00	191.89	1	0.0000	1016	DB1701	1660 0.25	B7
7.31	20.39	1	0.0000	1016	DB1701	1660 0.25	B7
7.50	55.69	1	0.0000	1016	DB1701	1660 0.25	B7
7.60	88.26	1	0.0000	1016	DB1701	1660 0.25	B7
8.00	52.36	1	0.0000	1016	DB1701	1660 0.25	B7
8.21	438.48	1	0.0000	1016	DB1701	1660 0.25	B7
8.56	186.06	1	0.0000	1016	DB1701	1660 0.25	B7
8.83	142.51	1	0.0000	1016	DB1701	1660 0.25	B7
9.15	87.02	1	0.0000	1016	DB1701	1660 0.25	B7
9.21	170.37	1	0.0000	1016	DB1701	1660 0.25	B7
9.82	181.21	1	0.0000	1016	DB1701	1660 0.25	B7
10.11	155.02	1	0.0000	1016	DB1701	1660 0.25	B7
10.50	32.44	1	0.0000	1016	DB1701	1660 0.25	B7
10.69	16.96	1	0.0000	1016	DB1701	1660 0.25	B7
10.97	119.54	1	0.0000	1016	DB1701	1660 0.25	B7
11.38	11.25	1	0.0000	1016	DB1701	1660 0.25	B7
11.53	106.77	0	0.0000 -		DB1701	1660 0.25	B7
11.94	9.71	0	0.0000 -		DB1701	1660 0.25	B7
12.24	9.43	0	0.0000 -		DB1701	1660 0.25	B7
12.43	23.64	0	0.0000 -		DB1701	1660 0.25	B7
12.54	3435.79	4	0.2525	1260 TOTAL	DB1701	1660 0.25	B7
12.54	44.33	3	0.0000	1260	DB1701	1660 0.25	B7
12.75	53.77	3	0.0000	1260	DB1701	1660 0.25	B7
12.88	114.63	3	0.0000	1260	DB1701	1660 0.25	B7
.98	27.45	3	0.0000	1260	DB1701	1660 0.25	B7
.04	41.60	3	0.0000	1260	DB1701	1660 0.25	B7
13.26	234.72	3	0.0000	1260	DB1701	1660 0.25	B7
13.46	17.59	3	0.0000	1260	DB1701	1660 0.25	B7
13.60	17.54	3	0.0000	1260	DB1701	1660 0.25	B7
13.76	44.06	3	0.0000	1260	DB1701	1660 0.25	B7
13.92	295.94	3	0.0000	1260	DB1701	1660 0.25	B7
14.18	150.78	3	0.0000	1260	DB1701	1660 0.25	B7
14.38	168.72	3	0.0000	1260	DB1701	1660 0.25	B7
14.68	9.58	3	0.0000	1260	DB1701	1660 0.25	B7
14.83	412.74	3	0.0000	1260	DB1701	1660 0.25	B7
14.98	5.37	3	0.0000	1260	DB1701	1660 0.25	B7
15.10	189.74	3	0.0000	1260	DB1701	1660 0.25	B7
15.22	106.82	3	0.0000	1260	DB1701	1660 0.25	B7
15.51	9.15	3	0.0000	1260	DB1701	1660 0.25	B7
15.60	30.50	3	0.0000	1260	DB1701	1660 0.25	B7
15.76	27.77	3	0.0000	1260	DB1701	1660 0.25	B7
15.90	171.70	3	0.0000	1260	DB1701	1660 0.25	B7
16.03	94.79	3	0.0000	1260	DB1701	1660 0.25	B7
16.14	45.93	3	0.0000	1260	DB1701	1660 0.25	B7
16.40	29.98	3	0.0000	1260	DB1701	1660 0.25	B7
16.51	42.07	3	0.0000	1260	DB1701	1660 0.25	B7
16.70	488.78	3	0.0000	1260	DB1701	1660 0.25	B7
16.80	46.06	3	0.0000	1260	DB1701	1660 0.25	B7
17.51	6.52	3	0.0000	1260	DB1701	1660 0.25	B7
17.62	361.90	3	0.0000	1260	DB1701	1660 0.25	B7
17.76	134.72	3	0.0000	1260	DB1701	1660 0.25	B7
18.26	10.53	3	0.0000	1260	DB1701	1660 0.25	B7
18.50	14.28	0	0.0000 -		DB1701	1660 0.25	B7
18.69	58.76	0	0.0000 -		DB1701	1660 0.25	B7
.37	131.06	0	0.0000 -		DB1701	1660 0.25	B7
.53	9.24	0	0.0000 -		DB1701	1660 0.25	B7
20.19	39.46	0	0.0000 -		DB1701	1660 0.25	B7
20.64	1556.06	5	96.8291	DCB	DB1701	1660 0.25	B7
21.85	5.67	0	0.0000 -		DB1701	1660 0.25	B7
	15076.92	69	97.3368				

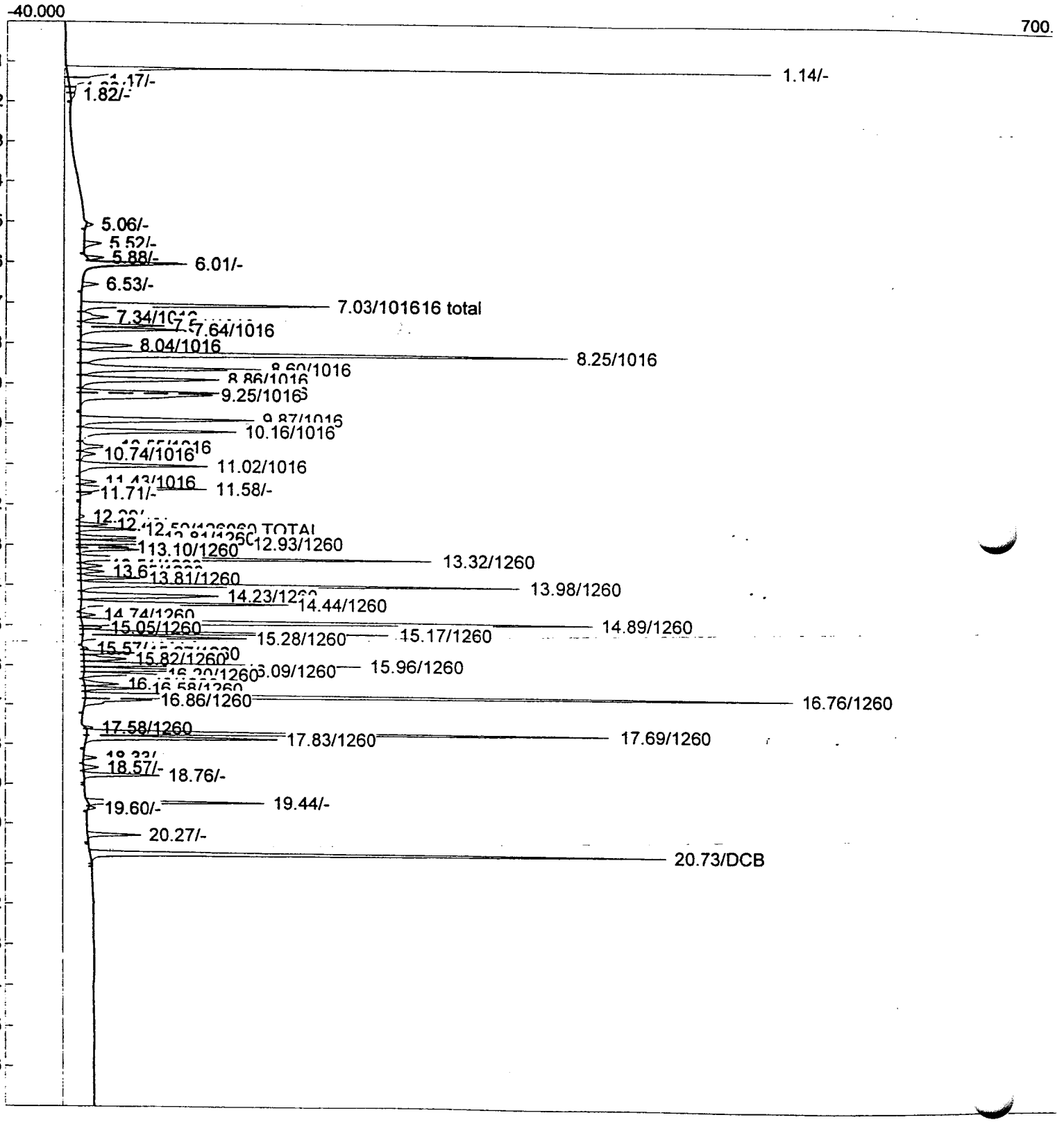
Lab name: AES
Analysis date: 11/07/2002 03:47:03
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B751.CHR ()
Sample: 1660 0.50
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sample
0.13	9.56	0	0.0000 -		DB1701	1660 0.50
1.13	1701.51	0	0.0000 -		DB1701	1660 0.50
1.46	182.96	0	0.0000 -		DB1701	1660 0.50
1.67	40.39	0	0.0000 -		DB1701	1660 0.50
1.81	20.43	0	0.0000 -		DB1701	1660 0.50
5.05	8.97	0	0.0000 -		DB1701	1660 0.50
5.51	32.04	0	0.0000 -		DB1701	1660 0.50
5.86	22.29	0	0.0000 -		DB1701	1660 0.50
6.52	24.04	0	0.0000 -		DB1701	1660 0.50
7.02	3818.93	2	0.5000	1016 total	DB1701	1660 0.50
7.02	392.97	1	0.0000	1016	DB1701	1660 0.50
7.33	48.99	1	0.0000	1016	DB1701	1660 0.50
7.53	109.96	1	0.0000	1016	DB1701	1660 0.50
7.62	169.13	1	0.0000	1016	DB1701	1660 0.50
8.03	109.10	1	0.0000	1016	DB1701	1660 0.50
8.23	875.24	1	0.0000	1016	DB1701	1660 0.50
8.59	365.66	1	0.0000	1016	DB1701	1660 0.50
8.85	284.55	1	0.0000	1016	DB1701	1660 0.50
9.18	174.54	1	0.0000	1016	DB1701	1660 0.50
9.24	330.88	1	0.0000	1016	DB1701	1660 0.50
9.85	344.18	1	0.0000	1016	DB1701	1660 0.50
10.14	290.75	1	0.0000	1016	DB1701	1660 0.50
10.54	51.46	1	0.0000	1016	DB1701	1660 0.50
10.72	24.63	1	0.0000	1016	DB1701	1660 0.50
11.00	226.09	1	0.0000	1016	DB1701	1660 0.50
11.41	20.80	1	0.0000	1016	DB1701	1660 0.50
11.57	201.24	0	0.0000 -		DB1701	1660 0.50
12.00	7.27	0	0.0000 -		DB1701	1660 0.50
12.12	6.20	0	0.0000 -		DB1701	1660 0.50
12.27	13.54	0	0.0000 -		DB1701	1660 0.50
12.47	40.75	0	0.0000 -		DB1701	1660 0.50
12.58	6803.63	4	0.5000	1260 TOTAL	DB1701	1660 0.50
12.58	81.26	3	0.0000	1260	DB1701	1660 0.50
12.79	104.58	3	0.0000	1260	DB1701	1660 0.50
12.91	222.64	3	0.0000	1260	DB1701	1660 0.50
13.02	58.10	3	0.0000	1260	DB1701	1660 0.50
13.08	84.48	3	0.0000	1260	DB1701	1660 0.50
13.30	450.23	3	0.0000	1260	DB1701	1660 0.50
13.50	28.54	3	0.0000	1260	DB1701	1660 0.50
13.64	27.77	3	0.0000	1260	DB1701	1660 0.50
13.79	79.17	3	0.0000	1260	DB1701	1660 0.50
13.96	572.70	3	0.0000	1260	DB1701	1660 0.50
14.22	281.13	3	0.0000	1260	DB1701	1660 0.50
14.42	316.15	3	0.0000	1260	DB1701	1660 0.50
14.72	20.14	3	0.0000	1260	DB1701	1660 0.50
14.88	831.92	3	0.0000	1260	DB1701	1660 0.50
15.03	20.63	3	0.0000	1260	DB1701	1660 0.50
15.15	386.15	3	0.0000	1260	DB1701	1660 0.50
15.27	216.70	3	0.0000	1260	DB1701	1660 0.50
15.55	6.82	3	0.0000	1260	DB1701	1660 0.50
15.65	69.52	3	0.0000	1260	DB1701	1660 0.50
15.81	67.37	3	0.0000	1260	DB1701	1660 0.50
15.95	346.62	3	0.0000	1260	DB1701	1660 0.50
16.08	201.91	3	0.0000	1260	DB1701	1660 0.50
16.19	102.65	3	0.0000	1260	DB1701	1660 0.50
16.45	48.33	3	0.0000	1260	DB1701	1660 0.50
16.57	72.21	3	0.0000	1260	DB1701	1660 0.50
16.75	995.24	3	0.0000	1260	DB1701	1660 0.50
16.86	107.22	3	0.0000	1260	DB1701	1660 0.50
17.57	14.15	3	0.0000	1260	DB1701	1660 0.50
17.68	712.03	3	0.0000	1260	DB1701	1660 0.50
17.82	277.25	3	0.0000	1260	DB1701	1660 0.50
18.32	19.08	0	0.0000 -		DB1701	1660 0.50
18.56	25.51	0	0.0000 -		DB1701	1660 0.50
19.75	109.47	0	0.0000 -		DB1701	1660 0.50
19.43	256.07	0	0.0000 -		DB1701	1660 0.50
19.60	18.57	0	0.0000 -		DB1701	1660 0.50
20.26	77.01	0	0.0000 -		DB1701	1660 0.50
20.73	1607.02	5	100.0000	DCB	DB1701	1660 0.50
	25669.05	69	101.0000			

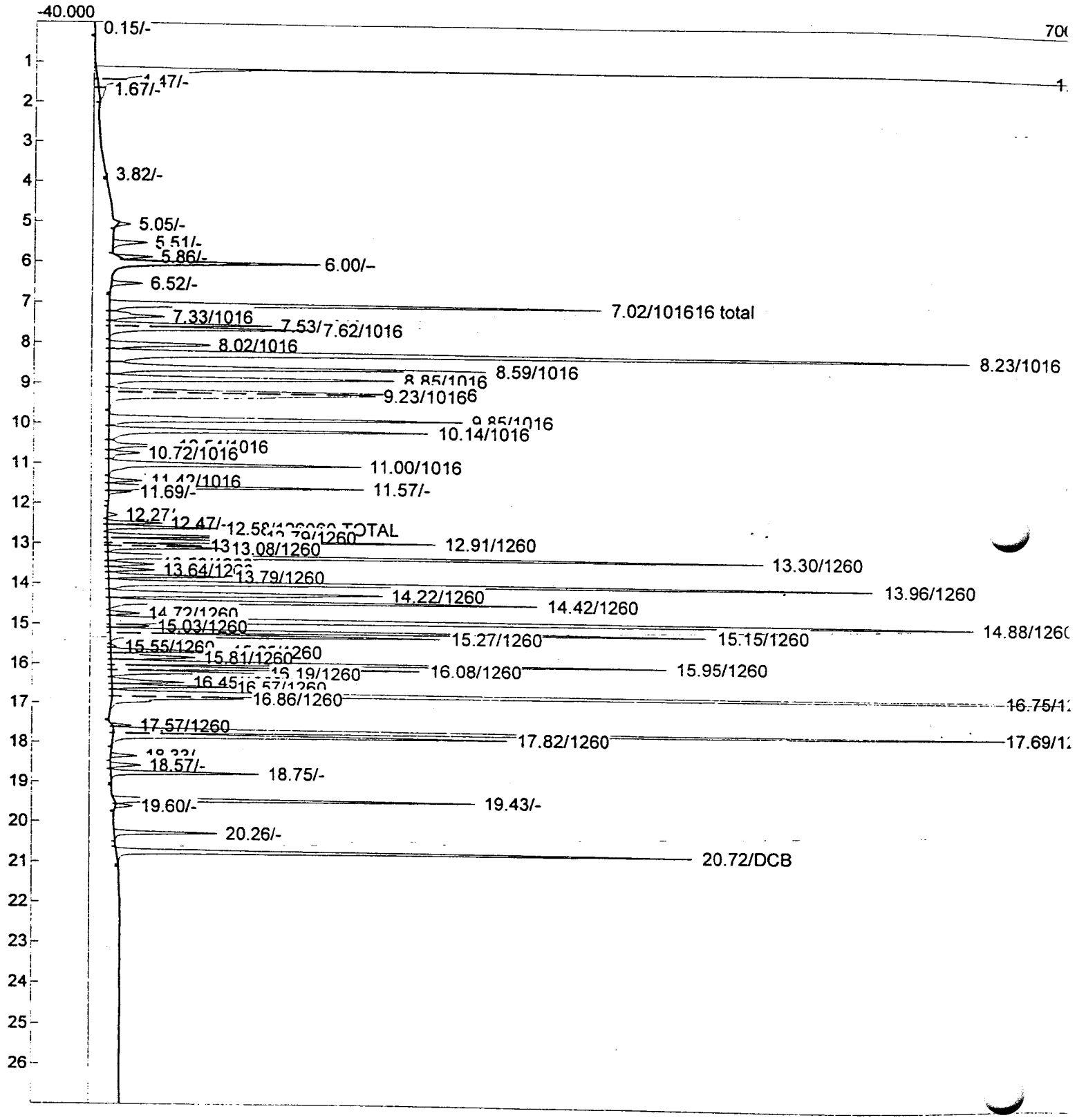
0.3

Lab name: AES
Analysis date: 11/07/2002 04:19:01
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B752.chr ()
Sample: 1660 1.0
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column		Sample
1.14	1051.31	0	0.0000 -		DB1701	1660 1.0	B
1.47	183.63	0	0.0000 -		DB1701	1660 1.0	B
1.68	36.25	0	0.0000 -		DB1701	1660 1.0	B
1.82	24.44	0	0.0000 -		DB1701	1660 1.0	B
.06	20.11	0	0.0000 -		DB1701	1660 1.0	B
.52	64.67	0	0.0000 -		DB1701	1660 1.0	B
5.88	46.23	0	0.0000 -		DB1701	1660 1.0	B
6.01	36.52	0	0.0000 -		DB1701	1660 1.0	B
6.53	46.23	0	0.0000 -		DB1701	1660 1.0	B
7.03	7555.55	2	0.9892	1016 total	DB1701	1660 1.0	B
7.03	772.48	1	0.0000	1016	DB1701	1660 1.0	B
7.34	123.08	1	0.0000	1016	DB1701	1660 1.0	B
7.54	225.67	1	0.0000	1016	DB1701	1660 1.0	B
7.64	339.87	1	0.0000	1016	DB1701	1660 1.0	B
8.04	214.13	1	0.0000	1016	DB1701	1660 1.0	B
8.25	1746.90	1	0.0000	1016	DB1701	1660 1.0	B
8.60	708.03	1	0.0000	1016	DB1701	1660 1.0	B
8.86	558.02	1	0.0000	1016	DB1701	1660 1.0	B
9.20	332.78	1	0.0000	1016	DB1701	1660 1.0	B
9.25	641.02	1	0.0000	1016	DB1701	1660 1.0	B
9.87	666.76	1	0.0000	1016	DB1701	1660 1.0	B
10.16	576.25	1	0.0000	1016	DB1701	1660 1.0	B
10.55	111.32	1	0.0000	1016	DB1701	1660 1.0	B
10.74	59.71	1	0.0000	1016	DB1701	1660 1.0	B
11.02	435.26	1	0.0000	1016	DB1701	1660 1.0	B
11.43	44.28	1	0.0000	1016	DB1701	1660 1.0	B
11.58	361.60	0	0.0000 -		DB1701	1660 1.0	B
11.71	31.90	0	0.0000 -		DB1701	1660 1.0	B
12.29	14.08	0	0.0000 -		DB1701	1660 1.0	B
12.48	75.62	0	0.0000 -		DB1701	1660 1.0	B
12.59	13654.67	4	1.0035	1260 TOTAL	DB1701	1660 1.0	B
12.59	151.56	3	0.0000	1260	DB1701	1660 1.0	B
12.81	201.67	3	0.0000	1260	DB1701	1660 1.0	B
12.93	428.92	3	0.0000	1260	DB1701	1660 1.0	B
04	112.39	3	0.0000	1260	DB1701	1660 1.0	B
.10	164.56	3	0.0000	1260	DB1701	1660 1.0	B
13.32	894.44	3	0.0000	1260	DB1701	1660 1.0	B
13.51	69.93	3	0.0000	1260	DB1701	1660 1.0	B
13.65	67.95	3	0.0000	1260	DB1701	1660 1.0	B
13.81	165.36	3	0.0000	1260	DB1701	1660 1.0	B
13.98	1151.65	3	0.0000	1260	DB1701	1660 1.0	B
14.23	546.99	3	0.0000	1260	DB1701	1660 1.0	B
14.44	619.71	3	0.0000	1260	DB1701	1660 1.0	B
14.74	38.38	3	0.0000	1260	DB1701	1660 1.0	B
14.89	1675.44	3	0.0000	1260	DB1701	1660 1.0	B
15.05	51.91	3	0.0000	1260	DB1701	1660 1.0	B
15.17	786.49	3	0.0000	1260	DB1701	1660 1.0	B
15.28	439.56	3	0.0000	1260	DB1701	1660 1.0	B
15.57	12.33	3	0.0000	1260	DB1701	1660 1.0	B
15.67	140.71	3	0.0000	1260	DB1701	1660 1.0	B
15.82	162.55	3	0.0000	1260	DB1701	1660 1.0	B
15.96	712.00	3	0.0000	1260	DB1701	1660 1.0	B
16.09	414.80	3	0.0000	1260	DB1701	1660 1.0	B
16.20	214.88	3	0.0000	1260	DB1701	1660 1.0	B
16.46	115.03	3	0.0000	1260	DB1701	1660 1.0	B
16.58	155.89	3	0.0000	1260	DB1701	1660 1.0	B
16.76	1941.18	3	0.0000	1260	DB1701	1660 1.0	B
16.86	241.29	3	0.0000	1260	DB1701	1660 1.0	B
17.58	16.66	3	0.0000	1260	DB1701	1660 1.0	B
17.69	1407.06	3	0.0000	1260	DB1701	1660 1.0	B
17.83	553.37	3	0.0000	1260	DB1701	1660 1.0	B
18.33	37.89	0	0.0000 -		DB1701	1660 1.0	B
18.57	48.31	0	0.0000 -		DB1701	1660 1.0	B
18.76	213.93	0	0.0000 -		DB1701	1660 1.0	B
44	479.15	0	0.0000 -		DB1701	1660 1.0	B
.60	18.38	0	0.0000 -		DB1701	1660 1.0	B
20.27	149.65	0	0.0000 -		DB1701	1660 1.0	B
20.73	1566.02	5	97.4484	DCB 0.3	DB1701	1660 1.0	B
	46926.37	68	99.4412				

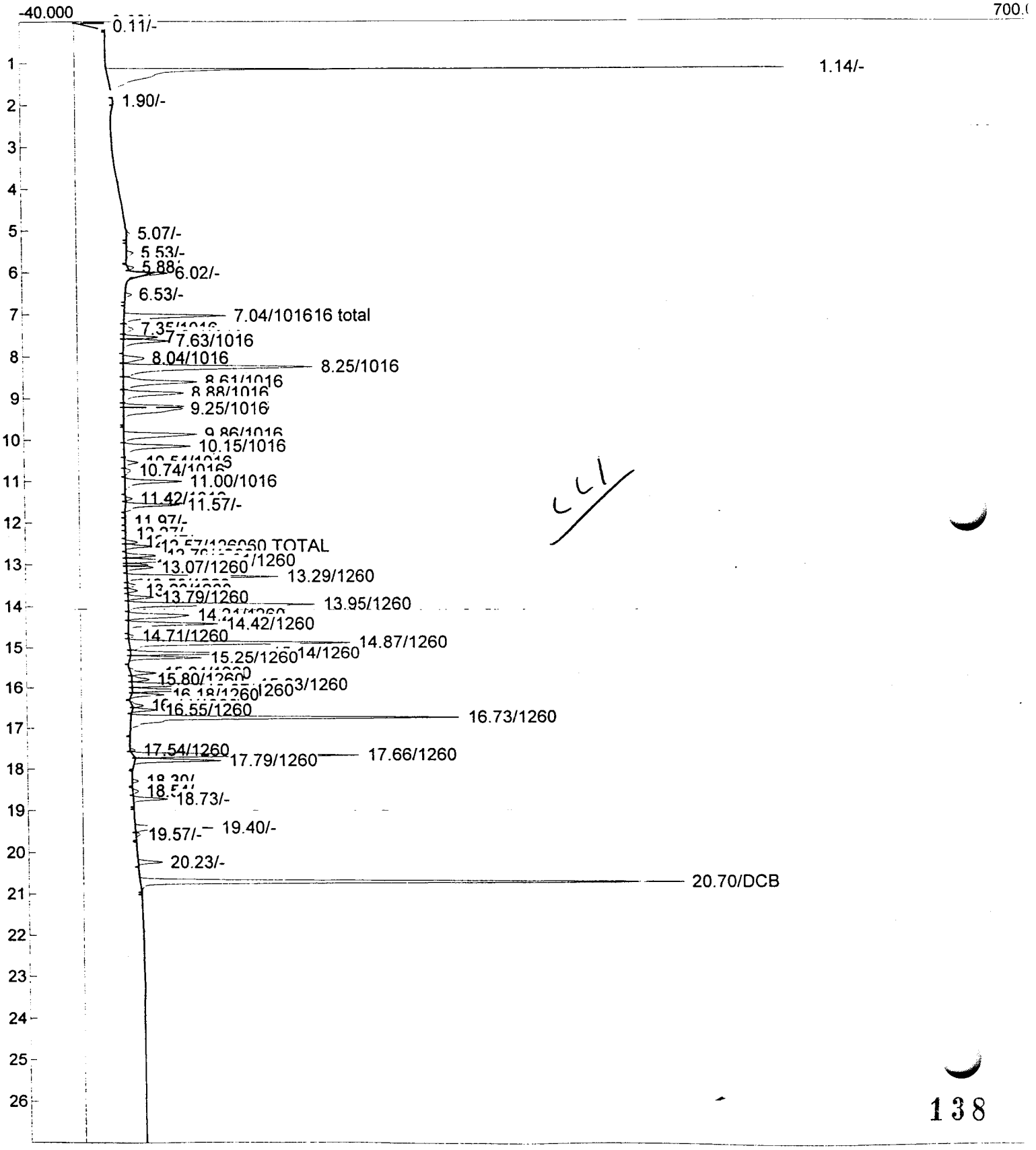
Lab name: AES
Analysis date: 11/07/2002 04:51:02
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B753.chr ()
Sample: 1660 2.0
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.15	5.01	0	0.0000 -		DB1701	1660 2.0
1.13	1543.78	0	0.0000 -		DB1701	1660 2.0
1.47	173.88	0	0.0000 -		DB1701	1660 2.0
1.67	61.39	0	0.0000 -		DB1701	1660 2.0
.82	6.06	0	0.0000 -		DB1701	1660 2.0
5.05	34.03	0	0.0000 -		DB1701	1660 2.0
5.51	127.91	0	0.0000 -		DB1701	1660 2.0
5.86	91.81	0	0.0000 -		DB1701	1660 2.0
5.99	34.58	0	0.0000 -		DB1701	1660 2.0
6.00	10.04	0	0.0000 -		DB1701	1660 2.0
6.52	89.92	0	0.0000 -		DB1701	1660 2.0
7.02	14672.97	2	1.9211	1016 total	DB1701	1660 2.0
7.02	1511.80	1	0.0000	1016	DB1701	1660 2.0
7.33	235.78	1	0.0000	1016	DB1701	1660 2.0
7.53	435.31	1	0.0000	1016	DB1701	1660 2.0
7.62	646.41	1	0.0000	1016	DB1701	1660 2.0
8.02	419.46	1	0.0000	1016	DB1701	1660 2.0
8.23	3213.31	1	0.0000	1016	DB1701	1660 2.0
8.59	1405.99	1	0.0000	1016	DB1701	1660 2.0
8.85	1107.54	1	0.0000	1016	DB1701	1660 2.0
9.18	679.64	1	0.0000	1016	DB1701	1660 2.0
9.23	1246.44	1	0.0000	1016	DB1701	1660 2.0
9.85	1331.27	1	0.0000	1016	DB1701	1660 2.0
10.14	1141.94	1	0.0000	1016	DB1701	1660 2.0
10.54	215.42	1	0.0000	1016	DB1701	1660 2.0
10.72	119.73	1	0.0000	1016	DB1701	1660 2.0
11.00	868.54	1	0.0000	1016	DB1701	1660 2.0
11.42	94.39	1	0.0000	1016	DB1701	1660 2.0
11.57	721.30	0	0.0000 -		DB1701	1660 2.0
11.69	59.69	0	0.0000 -		DB1701	1660 2.0
12.27	27.20	0	0.0000 -		DB1701	1660 2.0
12.47	145.73	0	0.0000 -		DB1701	1660 2.0
12.58	26468.69	4	1.9452	1260 TOTAL	DB1701	1660 2.0
12.58	291.49	3	0.0000	1260	DB1701	1660 2.0
2.79	397.68	3	0.0000	1260	DB1701	1660 2.0
2.91	847.62	3	0.0000	1260	DB1701	1660 2.0
13.02	215.31	3	0.0000	1260	DB1701	1660 2.0
13.08	325.42	3	0.0000	1260	DB1701	1660 2.0
13.30	1737.93	3	0.0000	1260	DB1701	1660 2.0
13.50	144.25	3	0.0000	1260	DB1701	1660 2.0
13.64	137.75	3	0.0000	1260	DB1701	1660 2.0
13.79	331.15	3	0.0000	1260	DB1701	1660 2.0
13.96	2165.01	3	0.0000	1260	DB1701	1660 2.0
14.22	1096.54	3	0.0000	1260	DB1701	1660 2.0
14.42	1260.79	3	0.0000	1260	DB1701	1660 2.0
14.72	77.02	3	0.0000	1260	DB1701	1660 2.0
14.88	3072.02	3	0.0000	1260	DB1701	1660 2.0
15.03	103.38	3	0.0000	1260	DB1701	1660 2.0
15.15	1565.08	3	0.0000	1260	DB1701	1660 2.0
15.27	893.29	3	0.0000	1260	DB1701	1660 2.0
15.55	13.02	3	0.0000	1260	DB1701	1660 2.0
15.65	310.55	3	0.0000	1260	DB1701	1660 2.0
15.81	340.84	3	0.0000	1260	DB1701	1660 2.0
15.95	1447.75	3	0.0000	1260	DB1701	1660 2.0
16.08	847.76	3	0.0000	1260	DB1701	1660 2.0
16.19	438.33	3	0.0000	1260	DB1701	1660 2.0
16.45	247.58	3	0.0000	1260	DB1701	1660 2.0
16.57	331.27	3	0.0000	1260	DB1701	1660 2.0
16.75	3550.35	3	0.0000	1260	DB1701	1660 2.0
16.86	498.41	3	0.0000	1260	DB1701	1660 2.0
17.57	42.44	3	0.0000	1260	DB1701	1660 2.0
17.69	2610.19	3	0.0000	1260	DB1701	1660 2.0
17.82	1128.47	3	0.0000	1260	DB1701	1660 2.0
18.33	71.36	0	0.0000 -		DB1701	1660 2.0
8.57	96.47	0	0.0000 -		DB1701	1660 2.0
18.75	423.07	0	0.0000 -		DB1701	1660 2.0
19.43	976.61	0	0.0000 -		DB1701	1660 2.0
19.60	50.36	0	0.0000 -		DB1701	1660 2.0
20.26	294.70	0	0.0000 -		DB1701	1660 2.0
20.72	1586.21	5	98.7048	DCB	DB1701	1660 2.0
	88914.44	70	102.5711			

0.3

Lab name: AES
Analysis date: 11/16/2002 05:37:47
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b920.CHR ()
Sample: 1660 0.5
Operator: KEN FULLER

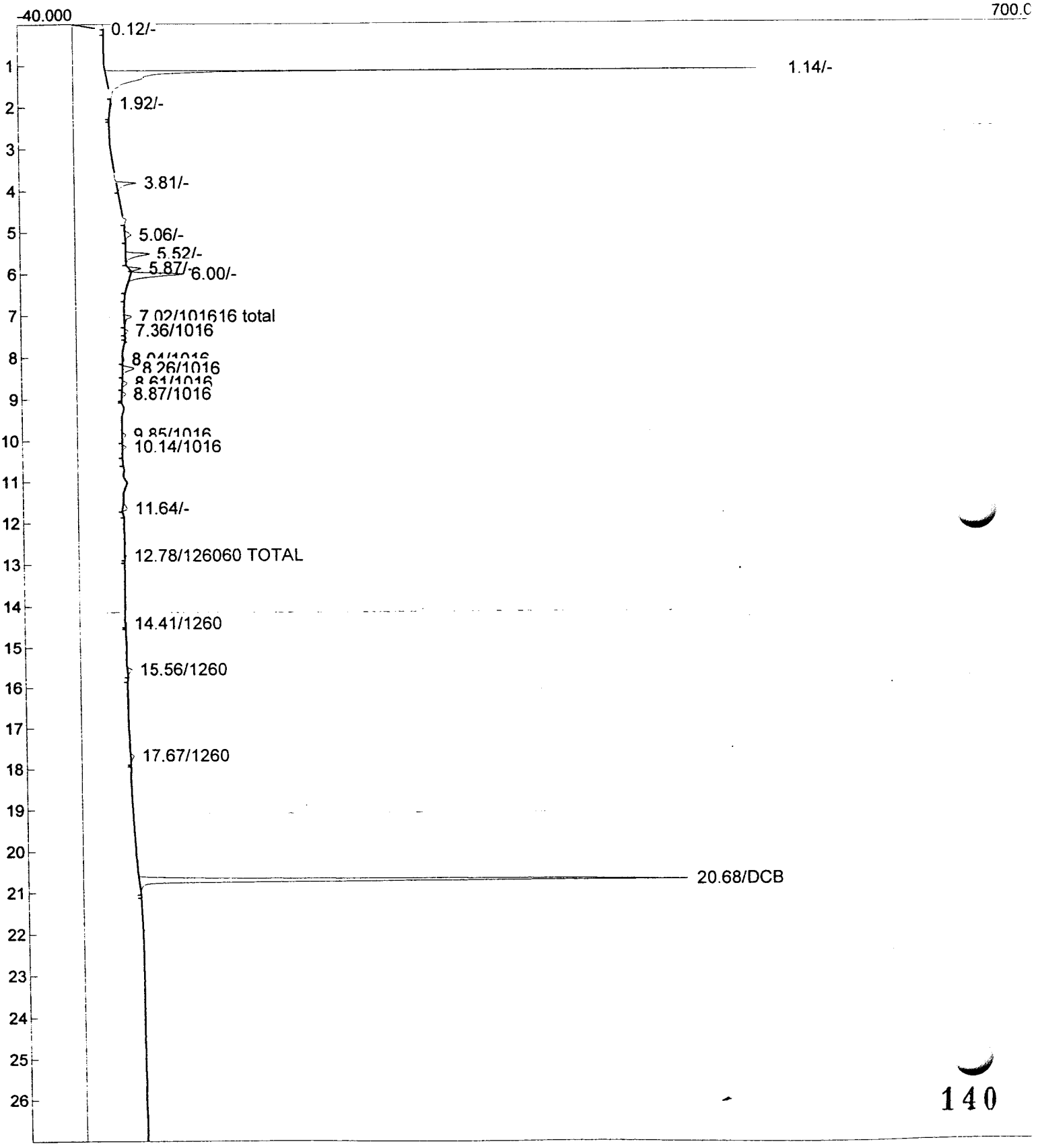


Retention	Area	Number	External	Component	Column	
0.00	0.00	6	0.0000	TCMX	DB1701	1660 0.5
7.04	366.29	1	0.0000	1016	DB1701	1660 0.5
7.04	3694.18	2	0.4716	1016 total	DB1701	1660 0.5
7.35	56.71	1	0.0000	1016	DB1701	1660 0.5
.54	100.40	1	0.0000	1016	DB1701	1660 0.5
7.63	171.57	1	0.0000	1016	DB1701	1660 0.5
8.04	102.38	1	0.0000	1016	DB1701	1660 0.5
8.25	834.17	1	0.0000	1016	DB1701	1660 0.5
8.61	359.77	1	0.0000	1016	DB1701	1660 0.5
8.88	281.80	1	0.0000	1016	DB1701	1660 0.5
9.19	155.61	1	0.0000	1016	DB1701	1660 0.5
9.25	331.81	1	0.0000	1016	DB1701	1660 0.5
9.86	327.60	1	0.0000	1016	DB1701	1660 0.5
10.15	281.13	1	0.0000	1016	DB1701	1660 0.5
10.54	56.22	1	0.0000	1016	DB1701	1660 0.5
10.74	29.89	1	0.0000	1016	DB1701	1660 0.5
11.00	220.25	1	0.0000	1016	DB1701	1660 0.5
11.42	18.56	1	0.0000	1016	DB1701	1660 0.5
12.57	6477.32	4	0.4556	1260 TOTAL	DB1701	1660 0.5
12.57	77.58	3	0.0000	1260	DB1701	1660 0.5
12.79	94.18	3	0.0000	1260	DB1701	1660 0.5
12.91	211.44	3	0.0000	1260	DB1701	1660 0.5
13.02	53.36	3	0.0000	1260	DB1701	1660 0.5
13.07	82.66	3	0.0000	1260	DB1701	1660 0.5
13.29	426.59	3	0.0000	1260	DB1701	1660 0.5
13.50	28.69	3	0.0000	1260	DB1701	1660 0.5
13.63	29.98	3	0.0000	1260	DB1701	1660 0.5
13.79	74.41	3	0.0000	1260	DB1701	1660 0.5
13.95	536.60	3	0.0000	1260	DB1701	1660 0.5
14.21	262.01	3	0.0000	1260	DB1701	1660 0.5
14.42	294.80	3	0.0000	1260	DB1701	1660 0.5
14.71	16.30	3	0.0000	1260	DB1701	1660 0.5
14.87	809.29	3	0.0000	1260	DB1701	1660 0.5
15.14	367.85	3	0.0000	1260	DB1701	1660 0.5
.25	212.97	3	0.0000	1260	DB1701	1660 0.5
15.64	87.36	3	0.0000	1260	DB1701	1660 0.5
15.80	65.84	3	0.0000	1260	DB1701	1660 0.5
15.93	328.01	3	0.0000	1260	DB1701	1660 0.5
16.07	192.97	3	0.0000	1260	DB1701	1660 0.5
16.18	96.98	3	0.0000	1260	DB1701	1660 0.5
16.44	39.46	3	0.0000	1260	DB1701	1660 0.5
16.55	70.46	3	0.0000	1260	DB1701	1660 0.5
16.73	1069.12	3	0.0000	1260	DB1701	1660 0.5
17.54	13.56	3	0.0000	1260	DB1701	1660 0.5
17.66	664.47	3	0.0000	1260	DB1701	1660 0.5
17.79	270.40	3	0.0000	1260	DB1701	1660 0.5
20.70	1549.16	5	98.1848	DCB	DB1701	1660 0.5
	21892.16	46	99.1120			

1744.59
MS
MSD

2088.01

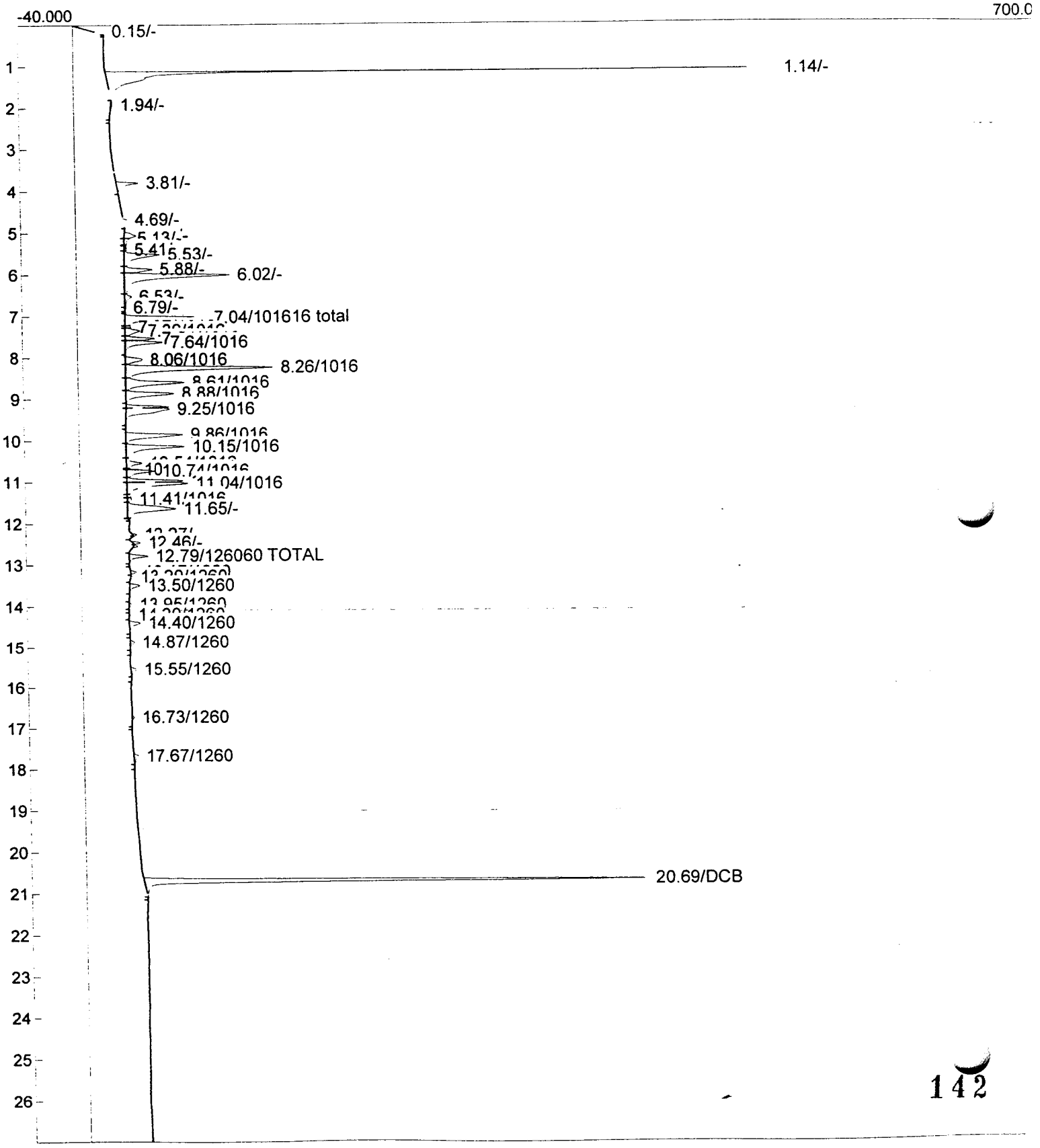
Lab name: AES
Analysis date: 11/16/2002 06:20:44
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b921.chr ()
Sample: 1221 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component		Column	
0.12	90.07	0	0.0000	-	DB1701		1221 0.5
1.14	1061.17	0	0.0000	-	DB1701		1221 0.5
1.92	10.30	0	0.0000	-	DB1701		1221 0.5
3.81	56.87	0	0.0000	-	DB1701		1221 0.5
.00	0.00	6	0.0000	TCMX	DB1701		1221 0.5
5.06	32.87	0	0.0000	-	DB1701		1221 0.5
5.52	104.95	0	0.0000	-	DB1701		1221 0.5
5.87	33.47	0	0.0000	-	DB1701		1221 0.5
6.00	206.43	0	0.0000	-	DB1701		1221 0.5
7.02	183.66	2	0.0234	1016 total	DB1701		1221 0.5
7.02	33.99	1	0.0000	1016	DB1701		1221 0.5
7.36	12.57	1	0.0000	1016	DB1701		1221 0.5
8.04	8.47	1	0.0000	1016	DB1701		1221 0.5
8.26	55.49	1	0.0000	1016	DB1701		1221 0.5
8.61	22.36	1	0.0000	1016	DB1701		1221 0.5
8.87	17.24	1	0.0000	1016	DB1701		1221 0.5
9.85	17.46	1	0.0000	1016	DB1701		1221 0.5
10.14	16.08	1	0.0000	1016	DB1701		1221 0.5
11.64	25.81	0	0.0000	-	DB1701		1221 0.5
12.78	5.56	3	0.0000	1260	DB1701		1221 0.5
12.78	55.58	4	0.0039	1260 TOTAL	DB1701		1221 0.5
14.41	5.17	3	0.0000	1260	DB1701		1221 0.5
15.56	24.41	3	0.0000	1260	DB1701		1221 0.5
17.67	20.43	3	0.0000	1260	DB1701		1221 0.5
20.68	1560.75	5	98.9195	DCB	DB1701		1221 0.5
	3661.17	24	98.9469				

S-61.38

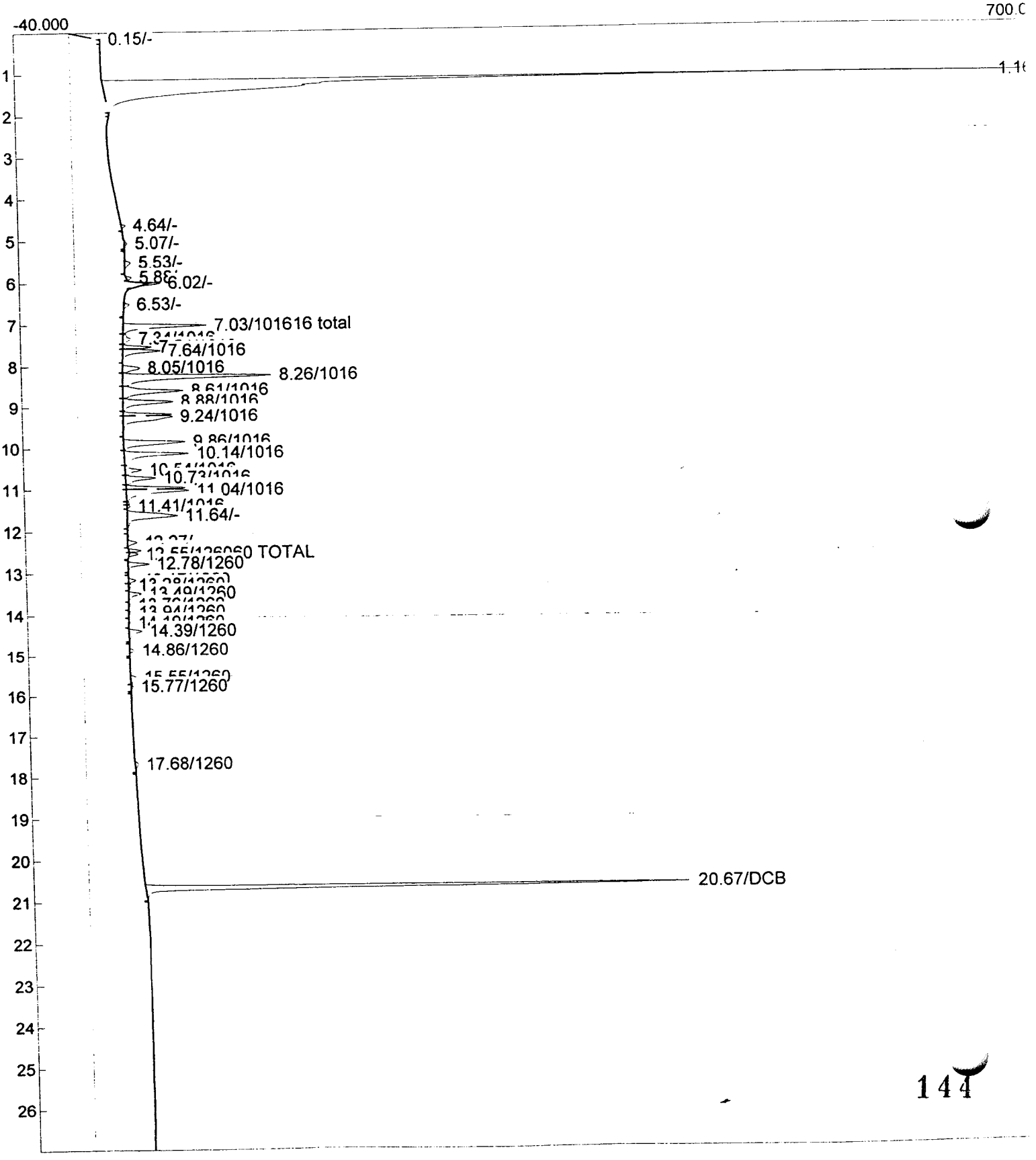
Lab name: AES
Analysis date: 11/16/2002 07:03:43
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b922.chr ()
Sample: 1232 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.15	151.27	0	0.0000 -		DB1701	1232 0.5
1.14	1064.69	0	0.0000 -		DB1701	1232 0.5
1.94	10.92	0	0.0000 -		DB1701	1232 0.5
3.81	80.15	0	0.0000 -		DB1701	1232 0.5
1.69	13.95	0	0.0000 -		DB1701	1232 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1232 0.5
5.07	52.29	0	0.0000 -		DB1701	1232 0.5
5.13	21.67	0	0.0000 -		DB1701	1232 0.5
5.41	5.30	0	0.0000 -		DB1701	1232 0.5
5.53	188.04	0	0.0000 -		DB1701	1232 0.5
5.88	106.71	0	0.0000 -		DB1701	1232 0.5
6.02	524.34	0	0.0000 -		DB1701	1232 0.5
6.53	42.19	0	0.0000 -		DB1701	1232 0.5
6.79	5.39	0	0.0000 -		DB1701	1232 0.5
7.04	3414.78	2	0.4359	1016 total	DB1701	1232 0.5
7.04	326.08	1	0.0000 1016		DB1701	1232 0.5
7.27	13.32	1	0.0000 1016		DB1701	1232 0.5
7.36	73.48	1	0.0000 1016		DB1701	1232 0.5
7.54	88.07	1	0.0000 1016		DB1701	1232 0.5
7.64	149.85	1	0.0000 1016		DB1701	1232 0.5
8.06	83.25	1	0.0000 1016		DB1701	1232 0.5
8.26	666.21	1	0.0000 1016		DB1701	1232 0.5
8.61	281.44	1	0.0000 1016		DB1701	1232 0.5
8.88	215.40	1	0.0000 1016		DB1701	1232 0.5
9.20	110.65	1	0.0000 1016		DB1701	1232 0.5
9.25	237.20	1	0.0000 1016		DB1701	1232 0.5
9.86	251.60	1	0.0000 1016		DB1701	1232 0.5
10.15	265.24	1	0.0000 1016		DB1701	1232 0.5
10.54	72.43	1	0.0000 1016		DB1701	1232 0.5
10.70	7.99	1	0.0000 1016		DB1701	1232 0.5
10.74	106.67	1	0.0000 1016		DB1701	1232 0.5
10.98	153.81	1	0.0000 1016		DB1701	1232 0.5
11.04	285.33	1	0.0000 1016		DB1701	1232 0.5
11.35	11.39	1	0.0000 1016		DB1701	1232 0.5
11.41	15.38	1	0.0000 1016		DB1701	1232 0.5
11.65	306.20	0	0.0000 -		DB1701	1232 0.5
12.27	7.70	0	0.0000 -		DB1701	1232 0.5
12.46	16.97	0	0.0000 -		DB1701	1232 0.5
12.79	263.03	4	0.0185	1260 TOTAL	DB1701	1232 0.5
12.79	62.59	3	0.0000 1260		DB1701	1232 0.5
13.17	15.19	3	0.0000 1260		DB1701	1232 0.5
13.29	6.86	3	0.0000 1260		DB1701	1232 0.5
13.50	39.34	3	0.0000 1260		DB1701	1232 0.5
13.95	8.59	3	0.0000 1260		DB1701	1232 0.5
14.20	5.17	3	0.0000 1260		DB1701	1232 0.5
14.40	48.74	3	0.0000 1260		DB1701	1232 0.5
14.87	16.41	3	0.0000 1260		DB1701	1232 0.5
15.55	26.86	3	0.0000 1260		DB1701	1232 0.5
16.73	9.71	3	0.0000 1260		DB1701	1232 0.5
17.67	23.56	3	0.0000 1260		DB1701	1232 0.5
20.69	1449.68	5	91.8796 DCB		DB1701	1232 0.5
	11403.06	50	92.3341			

1947.92

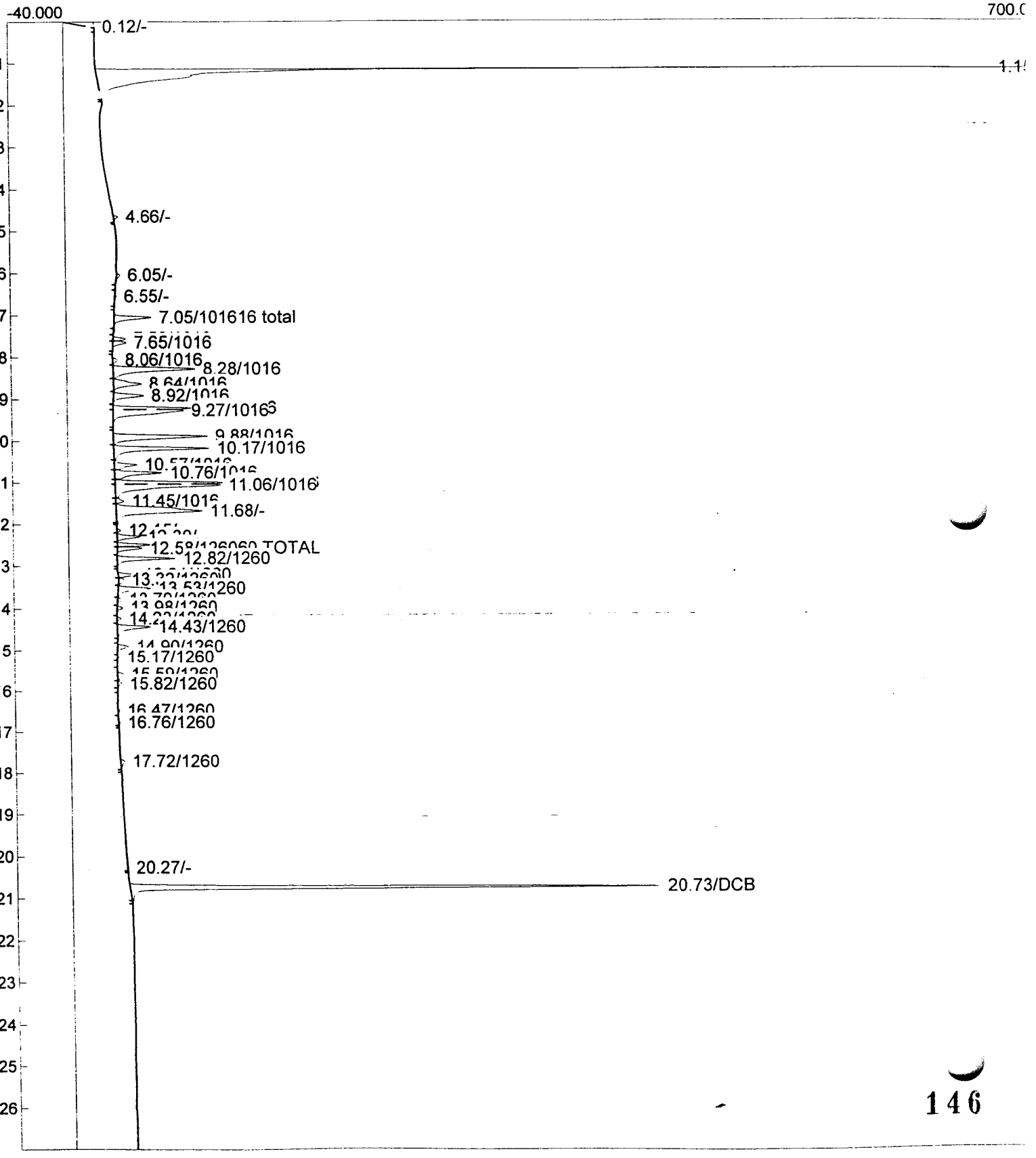
Lab name: AES
Analysis date: 11/16/2002 07:46:39
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b923.chr ()
Sample: 1242 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.15	105.13	0	0.0000 -		DB1701	1242 0.5
1.16	4203.98	0	0.0000 -		DB1701	1242 0.5
4.64	12.87	0	0.0000 -		DB1701	1242 0.5
[illegible]00	0.00	6	0.0000	TCMX	DB1701	1242 0.5
[illegible].07	10.00	0	0.0000 -		DB1701	1242 0.5
5.53	29.49	0	0.0000 -		DB1701	1242 0.5
5.88	15.18	0	0.0000 -		DB1701	1242 0.5
6.02	35.90	0	0.0000 -		DB1701	1242 0.5
6.53	20.32	0	0.0000 -		DB1701	1242 0.5
7.03	3524.56	2	0.4499	1016 total	DB1701	1242 0.5
7.03	316.86	1	0.0000	1016	DB1701	1242 0.5
7.34	46.29	1	0.0000	1016	DB1701	1242 0.5
7.54	82.77	1	0.0000	1016	DB1701	1242 0.5
7.64	148.67	1	0.0000	1016	DB1701	1242 0.5
8.05	84.68	1	0.0000	1016	DB1701	1242 0.5
8.26	681.23	1	0.0000	1016	DB1701	1242 0.5
8.61	297.86	1	0.0000	1016	DB1701	1242 0.5
8.88	233.02	1	0.0000	1016	DB1701	1242 0.5
9.19	127.55	1	0.0000	1016	DB1701	1242 0.5
9.24	276.20	1	0.0000	1016	DB1701	1242 0.5
9.86	279.19	1	0.0000	1016	DB1701	1242 0.5
10.14	283.30	1	0.0000	1016	DB1701	1242 0.5
10.54	72.78	1	0.0000	1016	DB1701	1242 0.5
10.73	123.87	1	0.0000	1016	DB1701	1242 0.5
10.97	164.60	1	0.0000	1016	DB1701	1242 0.5
11.04	289.12	1	0.0000	1016	DB1701	1242 0.5
11.35	7.01	1	0.0000	1016	DB1701	1242 0.5
11.41	9.57	1	0.0000	1016	DB1701	1242 0.5
11.64	297.35	0	0.0000 -		DB1701	1242 0.5
12.27	34.28	0	0.0000 -		DB1701	1242 0.5
12.46	33.26	0	0.0000 -		DB1701	1242 0.5
12.55	344.58	4	0.0242	1260 TOTAL	DB1701	1242 0.5
12.55	27.84	3	0.0000	1260	DB1701	1242 0.5
[illegible]2.78	69.64	3	0.0000	1260	DB1701	1242 0.5
[illegible].17	24.37	3	0.0000	1260	DB1701	1242 0.5
13.28	11.68	3	0.0000	1260	DB1701	1242 0.5
13.49	49.80	3	0.0000	1260	DB1701	1242 0.5
13.76	7.03	3	0.0000	1260	DB1701	1242 0.5
13.94	7.64	3	0.0000	1260	DB1701	1242 0.5
14.19	6.65	3	0.0000	1260	DB1701	1242 0.5
14.39	61.19	3	0.0000	1260	DB1701	1242 0.5
14.86	17.05	3	0.0000	1260	DB1701	1242 0.5
15.55	32.31	3	0.0000	1260	DB1701	1242 0.5
15.77	8.39	3	0.0000	1260	DB1701	1242 0.5
17.68	20.98	3	0.0000	1260	DB1701	1242 0.5
20.67	1564.55	5	99.1604	DCB	DB1701	1242 0.5
	14100.62	45	99.6346			

1808.16

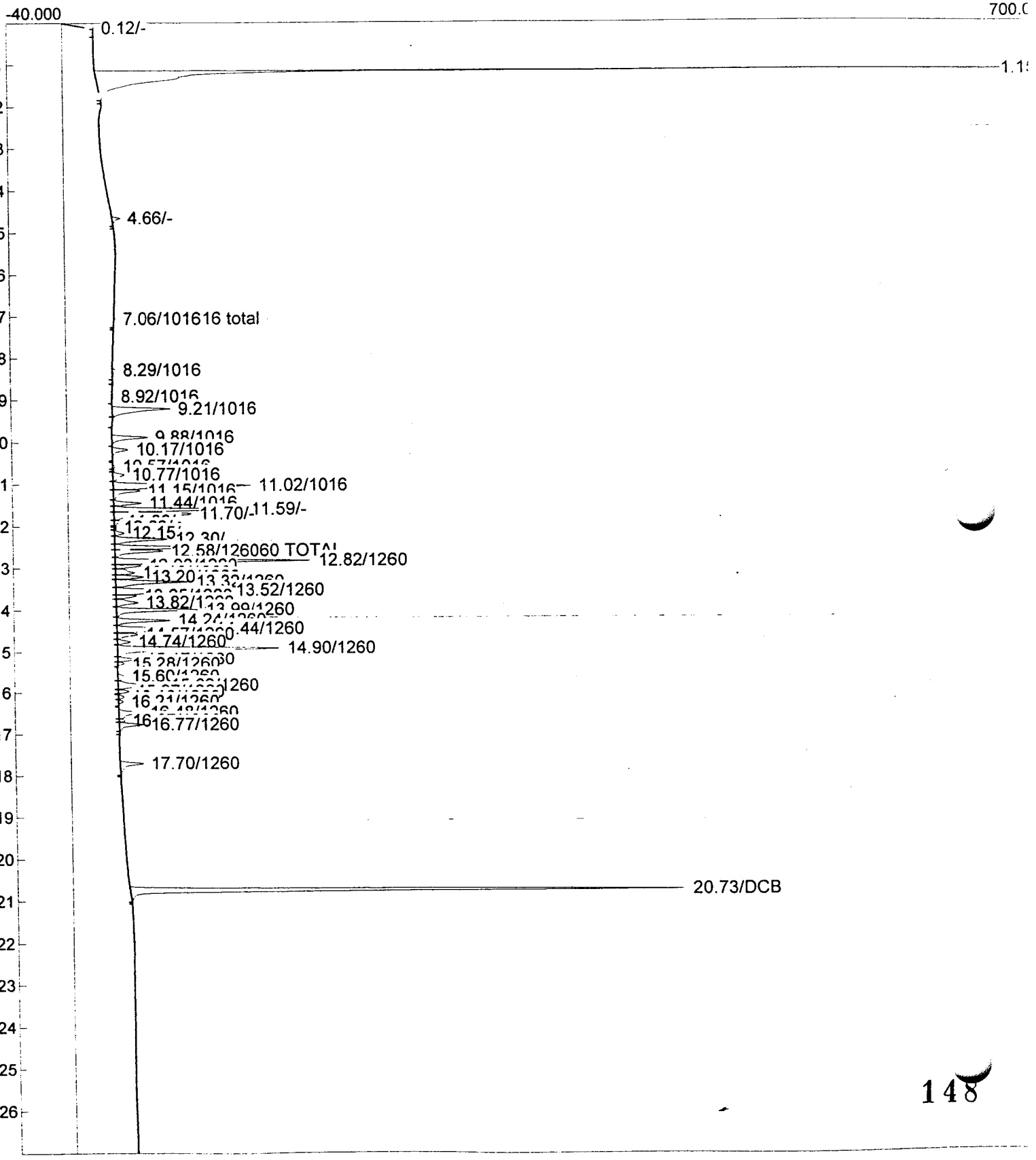
Lab name: AES
Analysis date: 11/16/2002 08:29:38
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b924.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column
0.12	92.06	0	0.0000 -	DB1701	1248 0.5
1.15	2215.27	0	0.0000 -	DB1701	1248 0.5
4.66	16.24	0	0.0000 -	DB1701	1248 0.5
0.00	0.00	6	0.0000 TCMX	DB1701	1248 0.5
.05	14.41	0	0.0000 -	DB1701	1248 0.5
6.55	5.96	0	0.0000 -	DB1701	1248 0.5
7.05	139.85	1	0.0000 1016	DB1701	1248 0.5
7.05	3356.50	2	0.4285 1016 total	DB1701	1248 0.5
7.56	37.42	1	0.0000 1016	DB1701	1248 0.5
7.65	48.46	1	0.0000 1016	DB1701	1248 0.5
8.06	19.73	1	0.0000 1016	DB1701	1248 0.5
8.28	386.45	1	0.0000 1016	DB1701	1248 0.5
8.64	143.66	1	0.0000 1016	DB1701	1248 0.5
8.92	123.03	1	0.0000 1016	DB1701	1248 0.5
9.21	206.46	1	0.0000 1016	DB1701	1248 0.5
9.27	361.87	1	0.0000 1016	DB1701	1248 0.5
9.88	404.47	1	0.0000 1016	DB1701	1248 0.5
10.17	371.54	1	0.0000 1016	DB1701	1248 0.5
10.57	96.38	1	0.0000 1016	DB1701	1248 0.5
10.76	196.05	1	0.0000 1016	DB1701	1248 0.5
11.01	314.64	1	0.0000 1016	DB1701	1248 0.5
11.06	475.88	1	0.0000 1016	DB1701	1248 0.5
11.45	30.62	1	0.0000 1016	DB1701	1248 0.5
11.68	552.27	0	0.0000 -	DB1701	1248 0.5
12.15	10.21	0	0.0000 -	DB1701	1248 0.5
12.30	80.91	0	0.0000 -	DB1701	1248 0.5
12.50	92.77	0	0.0000 -	DB1701	1248 0.5
12.58	787.89	4	0.0554 1260 TOTAL	DB1701	1248 0.5
12.58	79.37	3	0.0000 1260	DB1701	1248 0.5
12.82	183.75	3	0.0000 1260	DB1701	1248 0.5
13.21	54.05	3	0.0000 1260	DB1701	1248 0.5
13.32	24.90	3	0.0000 1260	DB1701	1248 0.5
13.53	125.52	3	0.0000 1260	DB1701	1248 0.5
13.79	14.66	3	0.0000 1260	DB1701	1248 0.5
3.98	17.55	3	0.0000 1260	DB1701	1248 0.5
14.23	12.01	3	0.0000 1260	DB1701	1248 0.5
14.43	144.81	3	0.0000 1260	DB1701	1248 0.5
14.90	42.68	3	0.0000 1260	DB1701	1248 0.5
15.17	5.94	3	0.0000 1260	DB1701	1248 0.5
15.59	32.17	3	0.0000 1260	DB1701	1248 0.5
15.82	15.14	3	0.0000 1260	DB1701	1248 0.5
16.47	6.22	3	0.0000 1260	DB1701	1248 0.5
16.76	6.32	3	0.0000 1260	DB1701	1248 0.5
17.72	22.78	3	0.0000 1260	DB1701	1248 0.5
20.27	5.39	0	0.0000 -	DB1701	1248 0.5
20.73	1514.34	5	95.9782 DCB	DB1701	1248 0.5
	12888.61	45	96.4621		

20143

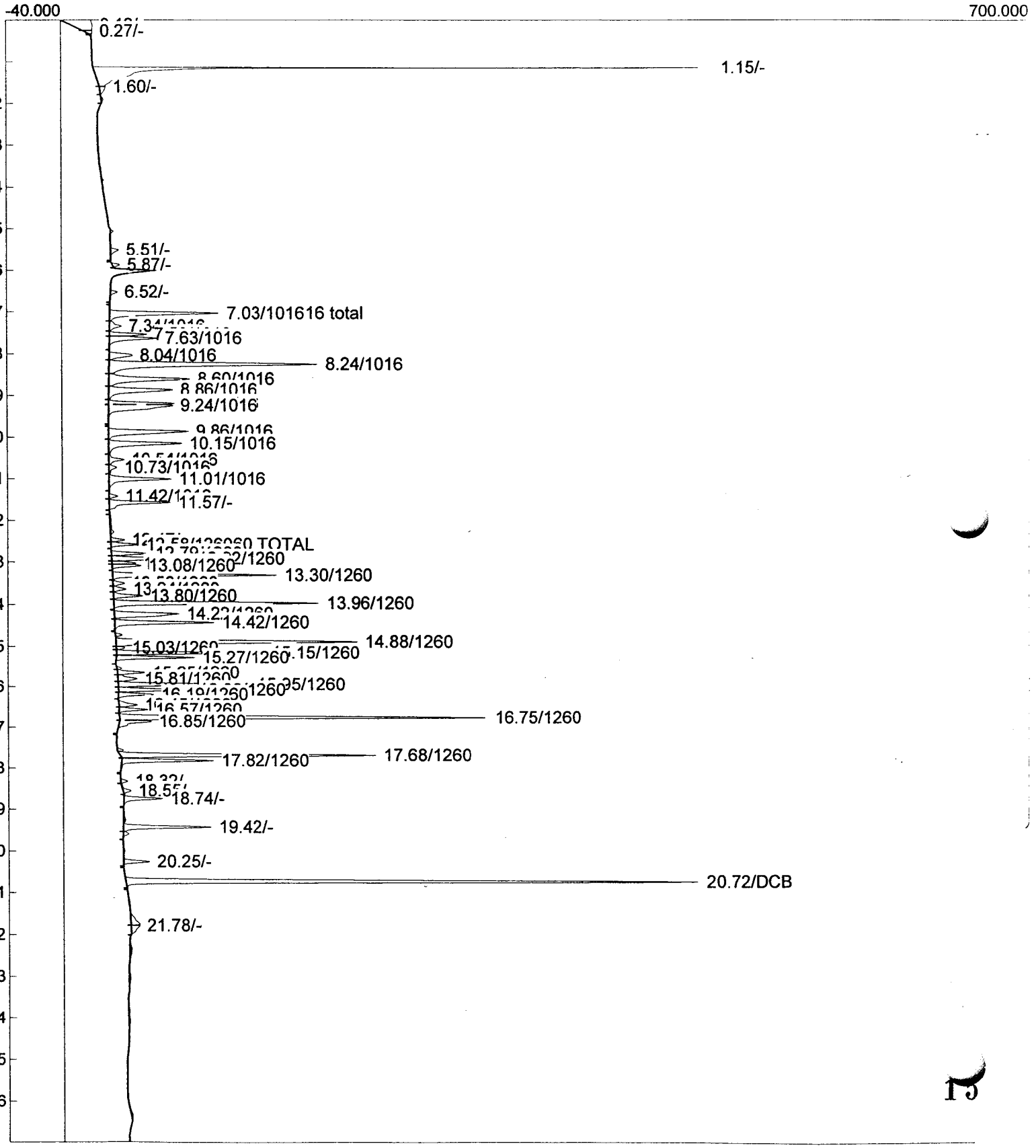
Lab name: AES
Analysis date: 11/16/2002 09:12:35
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b925.chr ()
Sample: 1254 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.12	96.26	0	0.0000 -		DB1701	1254 0.5
1.15	2028.22	0	0.0000 -		DB1701	1254 0.5
4.66	28.46	0	0.0000 -		DB1701	1254 0.5
.00	0.00	6	0.0000 TCMX		DB1701	1254 0.5
.06	1204.46	2	0.1538 1016 total		DB1701	1254 0.5
7.06	6.41	1	0.0000 1016		DB1701	1254 0.5
8.29	14.80	1	0.0000 1016		DB1701	1254 0.5
8.92	5.28	1	0.0000 1016		DB1701	1254 0.5
9.21	242.72	1	0.0000 1016		DB1701	1254 0.5
9.88	127.96	1	0.0000 1016		DB1701	1254 0.5
10.17	59.30	1	0.0000 1016		DB1701	1254 0.5
10.57	8.00	1	0.0000 1016		DB1701	1254 0.5
10.77	55.95	1	0.0000 1016		DB1701	1254 0.5
11.02	495.40	1	0.0000 1016		DB1701	1254 0.5
11.15	102.69	1	0.0000 1016		DB1701	1254 0.5
11.44	85.96	1	0.0000 1016		DB1701	1254 0.5
11.59	379.88	0	0.0000 -		DB1701	1254 0.5
11.70	345.16	0	0.0000 -		DB1701	1254 0.5
11.88	21.86	0	0.0000 -		DB1701	1254 0.5
12.02	5.35	0	0.0000 -		DB1701	1254 0.5
12.15	32.27	0	0.0000 -		DB1701	1254 0.5
12.30	187.64	0	0.0000 -		DB1701	1254 0.5
12.49	295.04	0	0.0000 -		DB1701	1254 0.5
12.58	3937.29	4	0.2770 1260 TOTAL		DB1701	1254 0.5
12.58	171.57	3	0.0000 1260		DB1701	1254 0.5
12.82	582.85	3	0.0000 1260		DB1701	1254 0.5
12.93	80.57	3	0.0000 1260		DB1701	1254 0.5
13.10	84.10	3	0.0000 1260		DB1701	1254 0.5
13.20	87.67	3	0.0000 1260		DB1701	1254 0.5
13.32	256.22	3	0.0000 1260		DB1701	1254 0.5
13.52	402.58	3	0.0000 1260		DB1701	1254 0.5
13.65	62.85	3	0.0000 1260		DB1701	1254 0.5
13.82	93.00	3	0.0000 1260		DB1701	1254 0.5
13.99	258.54	3	0.0000 1260		DB1701	1254 0.5
14.24	163.54	3	0.0000 1260		DB1701	1254 0.5
14.44	326.50	3	0.0000 1260		DB1701	1254 0.5
14.57	78.78	3	0.0000 1260		DB1701	1254 0.5
14.74	43.54	3	0.0000 1260		DB1701	1254 0.5
14.90	597.28	3	0.0000 1260		DB1701	1254 0.5
15.17	66.91	3	0.0000 1260		DB1701	1254 0.5
15.28	20.07	3	0.0000 1260		DB1701	1254 0.5
15.60	32.74	3	0.0000 1260		DB1701	1254 0.5
15.82	164.89	3	0.0000 1260		DB1701	1254 0.5
15.97	32.55	3	0.0000 1260		DB1701	1254 0.5
16.10	17.50	3	0.0000 1260		DB1701	1254 0.5
16.21	14.81	3	0.0000 1260		DB1701	1254 0.5
16.48	101.96	3	0.0000 1260		DB1701	1254 0.5
16.67	16.33	3	0.0000 1260		DB1701	1254 0.5
16.77	83.83	3	0.0000 1260		DB1701	1254 0.5
17.70	96.09	3	0.0000 1260		DB1701	1254 0.5
20.73	1563.88	5	99.1181 DCB		DB1701	1254 0.5
	15267.51	50	99.5488			

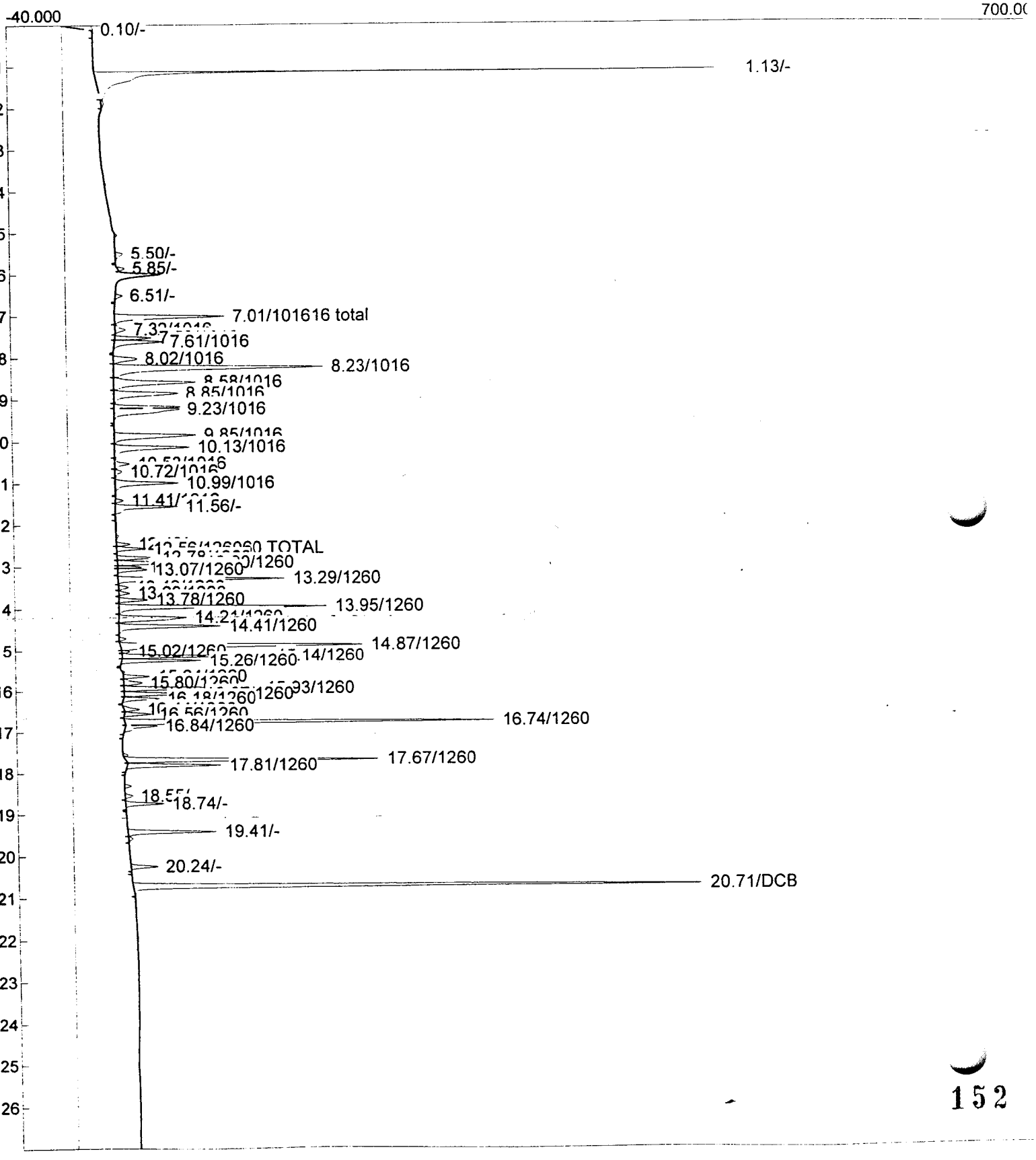
2006.01

Lab name: AES
Analysis date: 11/16/2002 20:40:05
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b941.chr ()
Sample: 1660 0.5 CC2
Operator: KEN FULLER



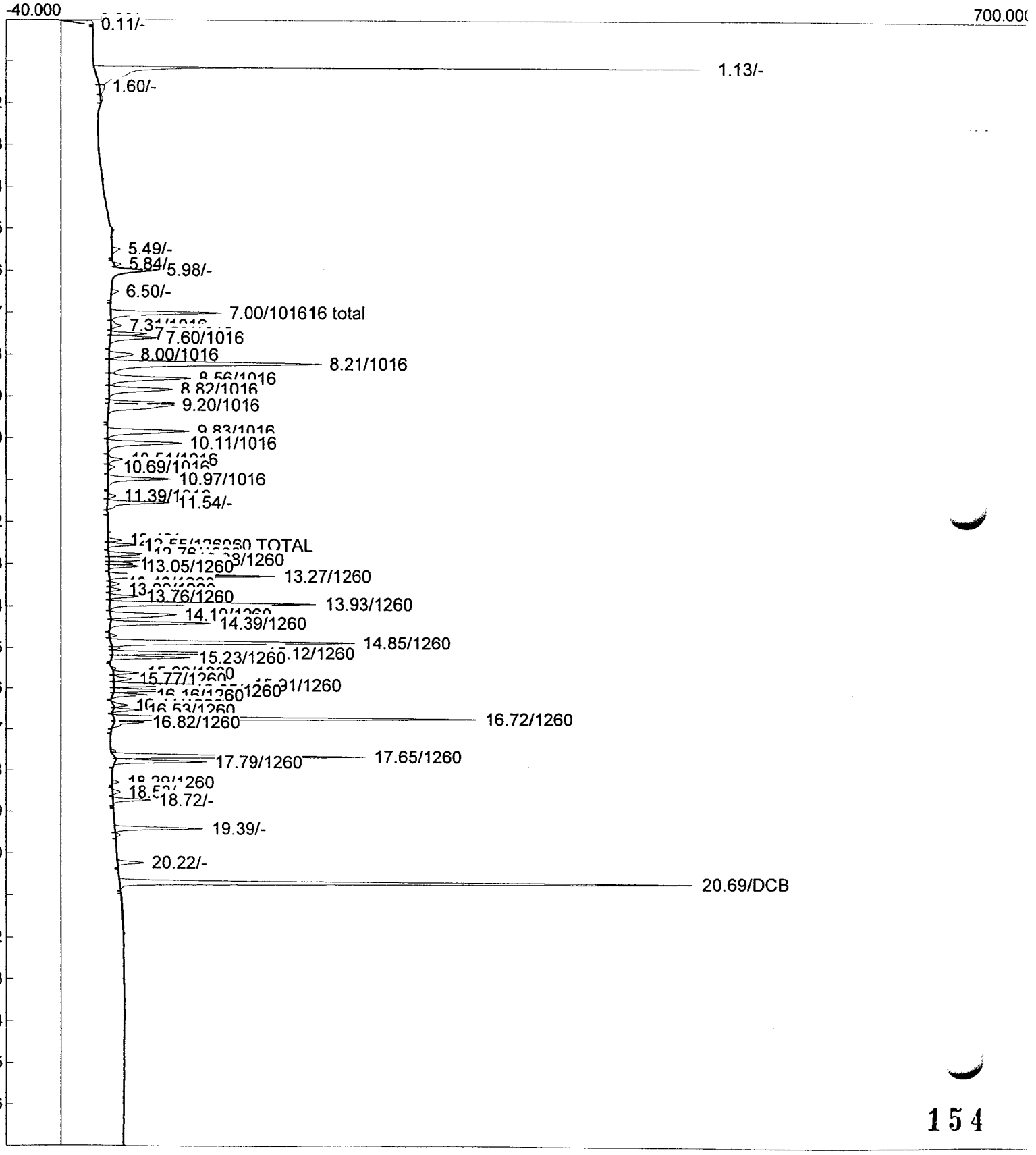
Retention	Area	Number	External	Component		Column	S
0.12	225.10	0	0.0000 -			DB1701	1660 0.5
0.27	21.61	0	0.0000 -			DB1701	1660 0.5
1.15	1047.64	0	0.0000 -			DB1701	1660 0.5
1.60	32.22	0	0.0000 -			DB1701	1660 0.5
00	0.00	6	0.0000 TCMX			DB1701	1660 0.5
.51	33.65	0	0.0000 -			DB1701	1660 0.5
5.87	20.77	0	0.0000 -			DB1701	1660 0.5
6.52	23.54	0	0.0000 -			DB1701	1660 0.5
7.03	391.46	1	0.0000 1016			DB1701	1660 0.5
7.03	3915.16	2	0.4998 1016 total			DB1701	1660 0.5
7.34	58.59	1	0.0000 1016			DB1701	1660 0.5
7.53	110.20	1	0.0000 1016			DB1701	1660 0.5
7.63	176.95	1	0.0000 1016			DB1701	1660 0.5
8.04	107.84	1	0.0000 1016			DB1701	1660 0.5
8.24	871.07	1	0.0000 1016			DB1701	1660 0.5
8.60	373.80	1	0.0000 1016			DB1701	1660 0.5
8.86	298.36	1	0.0000 1016			DB1701	1660 0.5
9.19	175.87	1	0.0000 1016			DB1701	1660 0.5
9.24	338.09	1	0.0000 1016			DB1701	1660 0.5
9.86	344.97	1	0.0000 1016			DB1701	1660 0.5
10.15	299.19	1	0.0000 1016			DB1701	1660 0.5
10.54	62.22	1	0.0000 1016			DB1701	1660 0.5
10.73	35.77	1	0.0000 1016			DB1701	1660 0.5
11.01	241.74	1	0.0000 1016			DB1701	1660 0.5
11.42	29.04	1	0.0000 1016			DB1701	1660 0.5
11.57	211.65	0	0.0000 -			DB1701	1660 0.5
12.47	40.11	0	0.0000 -			DB1701	1660 0.5
12.58	79.50	3	0.0000 1260			DB1701	1660 0.5
12.58	6999.23	4	0.4923 1260 TOTAL			DB1701	1660 0.5
12.79	106.09	3	0.0000 1260			DB1701	1660 0.5
12.92	224.67	3	0.0000 1260			DB1701	1660 0.5
13.03	59.66	3	0.0000 1260			DB1701	1660 0.5
13.08	86.21	3	0.0000 1260			DB1701	1660 0.5
13.30	455.88	3	0.0000 1260			DB1701	1660 0.5
50	39.80	3	0.0000 1260			DB1701	1660 0.5
.64	42.16	3	0.0000 1260			DB1701	1660 0.5
13.80	91.64	3	0.0000 1260			DB1701	1660 0.5
13.96	578.07	3	0.0000 1260			DB1701	1660 0.5
14.22	275.54	3	0.0000 1260			DB1701	1660 0.5
14.42	318.97	3	0.0000 1260			DB1701	1660 0.5
14.88	849.97	3	0.0000 1260			DB1701	1660 0.5
15.03	23.20	3	0.0000 1260			DB1701	1660 0.5
15.15	397.30	3	0.0000 1260			DB1701	1660 0.5
15.27	221.14	3	0.0000 1260			DB1701	1660 0.5
15.65	81.69	3	0.0000 1260			DB1701	1660 0.5
15.81	79.39	3	0.0000 1260			DB1701	1660 0.5
15.95	357.42	3	0.0000 1260			DB1701	1660 0.5
16.08	208.89	3	0.0000 1260			DB1701	1660 0.5
16.19	103.97	3	0.0000 1260			DB1701	1660 0.5
16.45	67.35	3	0.0000 1260			DB1701	1660 0.5
16.57	84.94	3	0.0000 1260			DB1701	1660 0.5
16.75	1019.20	3	0.0000 1260			DB1701	1660 0.5
16.85	120.38	3	0.0000 1260			DB1701	1660 0.5
17.68	741.93	3	0.0000 1260			DB1701	1660 0.5
17.82	284.29	3	0.0000 1260			DB1701	1660 0.5
18.32	22.57	0	0.0000 -			DB1701	1660 0.5
18.55	33.21	0	0.0000 -			DB1701	1660 0.5
18.74	123.09	0	0.0000 -			DB1701	1660 0.5
19.42	263.12	0	0.0000 -			DB1701	1660 0.5
20.25	75.29	0	0.0000 -			DB1701	1660 0.5
20.72	1627.41	5	103.1440 DCB	103%	~~0.03~~	DB1701	1660 0.5
21.75	63.95	0	0.0000 -			DB1701	1660 0.5
21.78	51.37	0	0.0000 -		0.13	DB1701	1660 0.5
	25745.04	62	104.1362				

Lab name: AES
Analysis date: 11/17/2002 03:06:55
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b950.chr ()
Sample: 1660 0.5 CC3
Operator: KEN FULLER



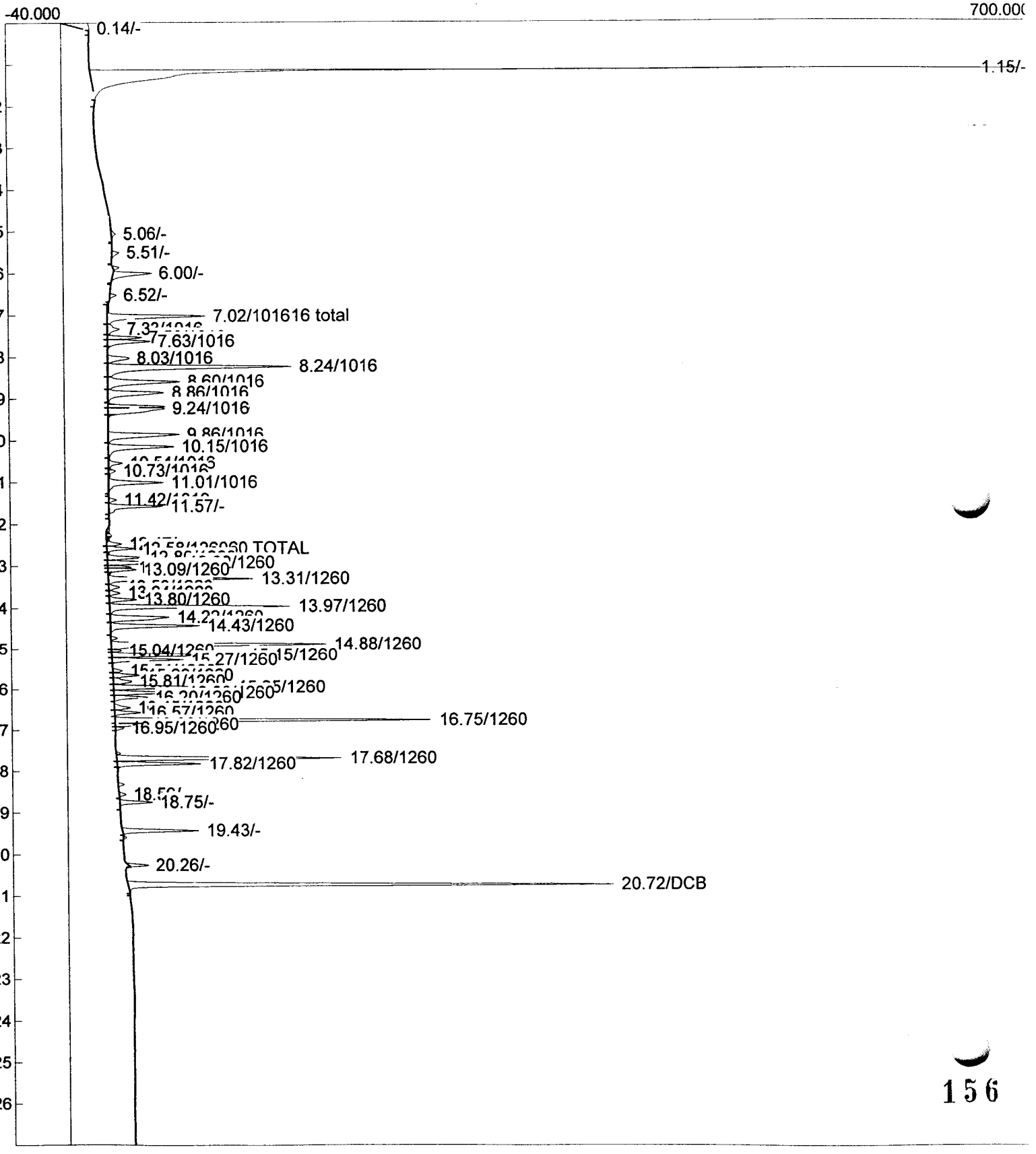
Retention	Area	Number	External	Component	Column	
0.10	78.74	0	0.0000 -		DB1701	1660 0.5
1.13	1095.54	0	0.0000 -		DB1701	1660 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1660 0.5
5.50	33.64	0	0.0000 -		DB1701	1660 0.5
85	20.24	0	0.0000 -		DB1701	1660 0.5
.51	23.55	0	0.0000 -		DB1701	1660 0.5
7.01	396.37	1	0.0000 1016		DB1701	1660 0.5
7.01	3912.12	2	0.4994	1016 total	DB1701	1660 0.5
7.32	47.90	1	0.0000 1016		DB1701	1660 0.5
7.52	101.94	1	0.0000 1016		DB1701	1660 0.5
7.61	178.29	1	0.0000 1016		DB1701	1660 0.5
8.02	107.97	1	0.0000 1016		DB1701	1660 0.5
8.23	887.33	1	0.0000 1016		DB1701	1660 0.5
8.58	375.41	1	0.0000 1016		DB1701	1660 0.5
8.85	297.26	1	0.0000 1016		DB1701	1660 0.5
9.17	170.38	1	0.0000 1016		DB1701	1660 0.5
9.23	343.47	1	0.0000 1016		DB1701	1660 0.5
9.85	352.90	1	0.0000 1016		DB1701	1660 0.5
10.13	303.09	1	0.0000 1016		DB1701	1660 0.5
10.53	60.92	1	0.0000 1016		DB1701	1660 0.5
10.72	31.24	1	0.0000 1016		DB1701	1660 0.5
10.99	233.49	1	0.0000 1016		DB1701	1660 0.5
11.41	24.14	1	0.0000 1016		DB1701	1660 0.5
11.56	214.12	0	0.0000 -		DB1701	1660 0.5
12.46	38.88	0	0.0000 -		DB1701	1660 0.5
12.56	80.31	3	0.0000 1260		DB1701	1660 0.5
12.56	6891.19	4	0.4847	1260 TOTAL	DB1701	1660 0.5
12.78	105.44	3	0.0000 1260		DB1701	1660 0.5
12.90	226.89	3	0.0000 1260		DB1701	1660 0.5
13.01	53.59	3	0.0000 1260		DB1701	1660 0.5
13.07	87.05	3	0.0000 1260		DB1701	1660 0.5
13.29	456.16	3	0.0000 1260		DB1701	1660 0.5
13.49	29.77	3	0.0000 1260		DB1701	1660 0.5
13.63	30.24	3	0.0000 1260		DB1701	1660 0.5
78	82.13	3	0.0000 1260		DB1701	1660 0.5
.95	588.74	3	0.0000 1260		DB1701	1660 0.5
14.21	289.61	3	0.0000 1260		DB1701	1660 0.5
14.41	326.83	3	0.0000 1260		DB1701	1660 0.5
14.87	845.81	3	0.0000 1260		DB1701	1660 0.5
15.02	20.09	3	0.0000 1260		DB1701	1660 0.5
15.14	394.53	3	0.0000 1260		DB1701	1660 0.5
15.26	219.33	3	0.0000 1260		DB1701	1660 0.5
15.64	70.74	3	0.0000 1260		DB1701	1660 0.5
15.80	71.82	3	0.0000 1260		DB1701	1660 0.5
15.93	353.72	3	0.0000 1260		DB1701	1660 0.5
16.07	204.56	3	0.0000 1260		DB1701	1660 0.5
16.18	104.24	3	0.0000 1260		DB1701	1660 0.5
16.44	50.25	3	0.0000 1260		DB1701	1660 0.5
16.56	73.69	3	0.0000 1260		DB1701	1660 0.5
16.74	1012.27	3	0.0000 1260		DB1701	1660 0.5
16.84	108.60	3	0.0000 1260		DB1701	1660 0.5
17.67	729.38	3	0.0000 1260		DB1701	1660 0.5
17.81	275.39	3	0.0000 1260		DB1701	1660 0.5
18.55	25.44	0	0.0000 -		DB1701	1660 0.5
18.74	109.91	0	0.0000 -		DB1701	1660 0.5
19.41	255.41	0	0.0000 -		DB1701	1660 0.5
20.24	78.87	0	0.0000 -		DB1701	1660 0.5
20.71	1597.50	5	101.2487 DCB	101 %	DB1701	1660 0.5
	25178.46	57	102.2329	0.2		

Lab name: AES
Analysis date: 11/17/2002 08:50:48
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B958.chr ()
Sample: 1660 0.5 CC4
Operator: KEN FULLER



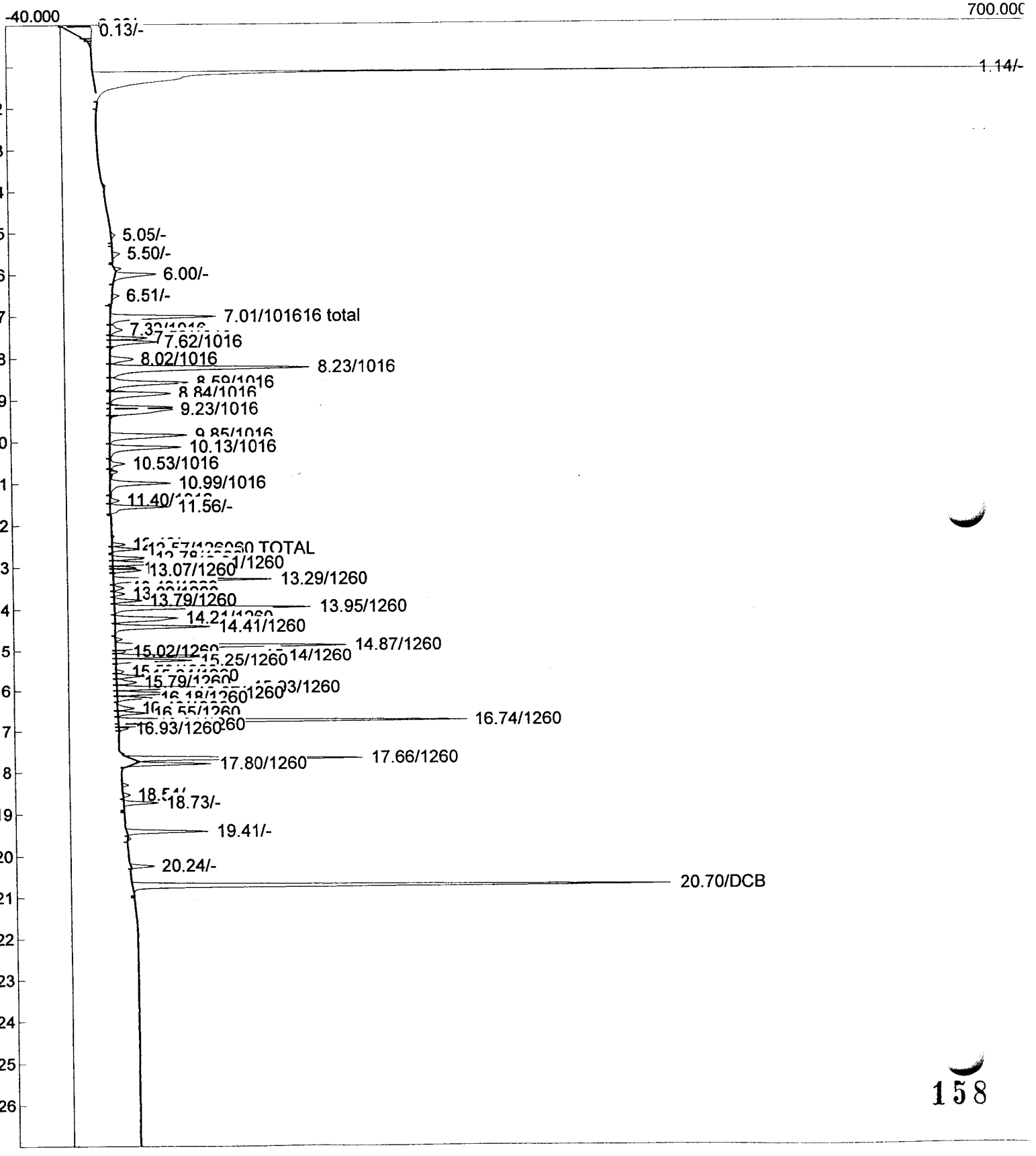
Retention	Area	Number	External	Component	Column	S
0.00	22.04	0	0.0000 -		DB1701	1660 0.5
0.11	78.58	0	0.0000 -		DB1701	1660 0.5
1.13	948.75	0	0.0000 -		DB1701	1660 0.5
1.60	39.78	0	0.0000 -		DB1701	1660 0.5
00	0.00	6	0.0000 TCMX		DB1701	1660 0.5
.49	34.78	0	0.0000 -		DB1701	1660 0.5
5.84	20.59	0	0.0000 -		DB1701	1660 0.5
5.98	29.25	0	0.0000 -		DB1701	1660 0.5
6.50	24.54	0	0.0000 -		DB1701	1660 0.5
7.00	3911.34	2	0.4993	1016 total	DB1701	1660 0.5
7.00	402.12	1	0.0000	1016	DB1701	1660 0.5
7.31	49.68	1	0.0000	1016	DB1701	1660 0.5
7.50	98.00	1	0.0000	1016	DB1701	1660 0.5
7.60	179.73	1	0.0000	1016	DB1701	1660 0.5
8.00	110.01	1	0.0000	1016	DB1701	1660 0.5
8.21	895.97	1	0.0000	1016	DB1701	1660 0.5
8.56	370.84	1	0.0000	1016	DB1701	1660 0.5
8.82	286.92	1	0.0000	1016	DB1701	1660 0.5
9.15	158.92	1	0.0000	1016	DB1701	1660 0.5
9.20	353.08	1	0.0000	1016	DB1701	1660 0.5
9.83	353.56	1	0.0000	1016	DB1701	1660 0.5
10.11	304.60	1	0.0000	1016	DB1701	1660 0.5
10.51	59.21	1	0.0000	1016	DB1701	1660 0.5
10.69	31.05	1	0.0000	1016	DB1701	1660 0.5
10.97	231.99	1	0.0000	1016	DB1701	1660 0.5
11.39	25.66	1	0.0000	1016	DB1701	1660 0.5
11.54	218.20	0	0.0000 -		DB1701	1660 0.5
12.43	38.34	0	0.0000 -		DB1701	1660 0.5
12.55	6878.15	4	0.4838	1260 TOTAL	DB1701	1660 0.5
12.55	80.21	3	0.0000	1260	DB1701	1660 0.5
12.76	106.04	3	0.0000	1260	DB1701	1660 0.5
12.88	225.91	3	0.0000	1260	DB1701	1660 0.5
12.99	58.53	3	0.0000	1260	DB1701	1660 0.5
13.05	84.41	3	0.0000	1260	DB1701	1660 0.5
27	461.07	3	0.0000	1260	DB1701	1660 0.5
.46	30.51	3	0.0000	1260	DB1701	1660 0.5
13.60	29.88	3	0.0000	1260	DB1701	1660 0.5
13.76	81.88	3	0.0000	1260	DB1701	1660 0.5
13.93	590.79	3	0.0000	1260	DB1701	1660 0.5
14.19	284.01	3	0.0000	1260	DB1701	1660 0.5
14.39	318.82	3	0.0000	1260	DB1701	1660 0.5
14.85	852.13	3	0.0000	1260	DB1701	1660 0.5
15.12	395.40	3	0.0000	1260	DB1701	1660 0.5
15.23	222.56	3	0.0000	1260	DB1701	1660 0.5
15.62	69.58	3	0.0000	1260	DB1701	1660 0.5
15.77	67.91	3	0.0000	1260	DB1701	1660 0.5
15.91	353.45	3	0.0000	1260	DB1701	1660 0.5
16.05	203.60	3	0.0000	1260	DB1701	1660 0.5
16.16	102.28	3	0.0000	1260	DB1701	1660 0.5
16.41	48.82	3	0.0000	1260	DB1701	1660 0.5
16.53	71.61	3	0.0000	1260	DB1701	1660 0.5
16.72	1018.38	3	0.0000	1260	DB1701	1660 0.5
16.82	101.71	3	0.0000	1260	DB1701	1660 0.5
17.65	727.46	3	0.0000	1260	DB1701	1660 0.5
17.79	270.12	3	0.0000	1260	DB1701	1660 0.5
18.29	21.10	3	0.0000	1260	DB1701	1660 0.5
18.53	25.94	0	0.0000 -		DB1701	1660 0.5
18.72	111.23	0	0.0000 -		DB1701	1660 0.5
19.39	258.00	0	0.0000 -		DB1701	1660 0.5
20.22	79.21	0	0.0000 -		DB1701	1660 0.5
20.69	1628.63	5	103.2215 DCB	0.1	DB1701	1660 0.5
	25136.83	60	104.2046			

Lab name: AES
Analysis date: 11/19/2002 21:35:53
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B961.chr ()
Sample: 1660 0.5 ECS
Operator: KEN FULLER



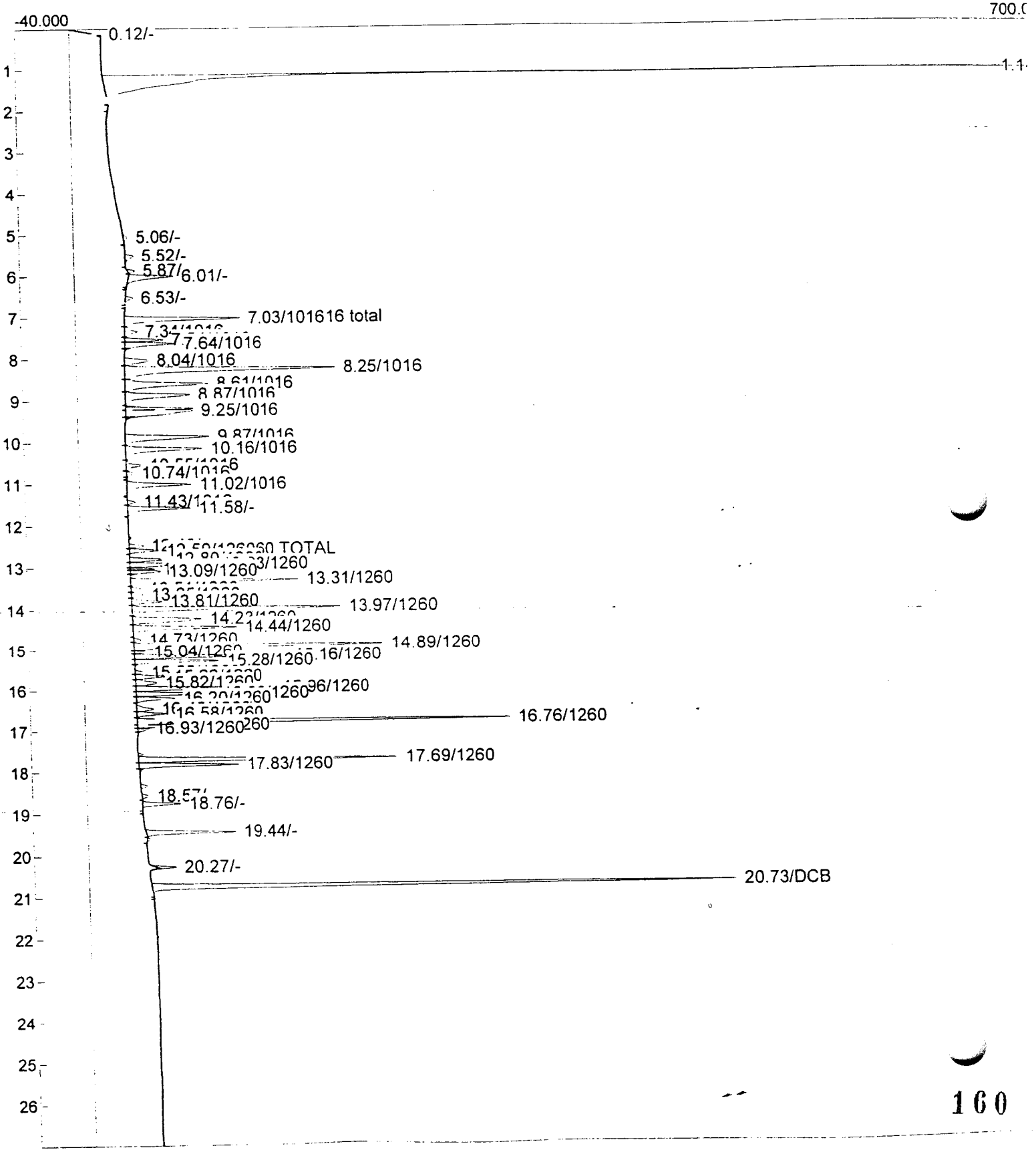
Retention	Area	Number	External	Component	Column	Se
0.14	108.68	0	0.0000 -		DB1701	1660 0.5
1.15	1930.41	0	0.0000 -		DB1701	1660 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1660 0.5
5.06	23.19	0	0.0000 -		DB1701	1660 0.5
51	29.62	0	0.0000 -		DB1701	1660 0.5
00	153.21	0	0.0000 -		DB1701	1660 0.5
6.52	21.01	0	0.0000 -		DB1701	1660 0.5
7.02	3505.96	2	0.4476	1016 total	DB1701	1660 0.5
7.02	373.65	1	0.0000 1016		DB1701	1660 0.5
7.33	66.05	1	0.0000 1016		DB1701	1660 0.5
7.53	101.78	1	0.0000 1016		DB1701	1660 0.5
7.63	157.70	1	0.0000 1016		DB1701	1660 0.5
8.03	101.19	1	0.0000 1016		DB1701	1660 0.5
8.24	778.80	1	0.0000 1016		DB1701	1660 0.5
8.60	331.81	1	0.0000 1016		DB1701	1660 0.5
8.86	262.25	1	0.0000 1016		DB1701	1660 0.5
9.19	152.47	1	0.0000 1016		DB1701	1660 0.5
9.24	284.40	1	0.0000 1016		DB1701	1660 0.5
9.86	311.78	1	0.0000 1016		DB1701	1660 0.5
10.15	273.18	1	0.0000 1016		DB1701	1660 0.5
10.54	53.16	1	0.0000 1016		DB1701	1660 0.5
10.73	21.34	1	0.0000 1016		DB1701	1660 0.5
11.01	213.05	1	0.0000 1016		DB1701	1660 0.5
11.42	23.37	1	0.0000 1016		DB1701	1660 0.5
11.57	187.97	0	0.0000 -		DB1701	1660 0.5
12.47	49.43	0	0.0000 -		DB1701	1660 0.5
12.58	86.33	3	0.0000 1260		DB1701	1660 0.5
12.58	6453.67	4	0.4540	1260 TOTAL	DB1701	1660 0.5
12.80	107.14	3	0.0000 1260		DB1701	1660 0.5
12.92	212.32	3	0.0000 1260		DB1701	1660 0.5
13.03	55.68	3	0.0000 1260		DB1701	1660 0.5
13.09	80.20	3	0.0000 1260		DB1701	1660 0.5
13.31	420.13	3	0.0000 1260		DB1701	1660 0.5
13.50	40.25	3	0.0000 1260		DB1701	1660 0.5
4	35.84	3	0.0000 1260		DB1701	1660 0.5
80	83.54	3	0.0000 1260		DB1701	1660 0.5
13.97	529.97	3	0.0000 1260		DB1701	1660 0.5
14.22	263.02	3	0.0000 1260		DB1701	1660 0.5
14.43	293.27	3	0.0000 1260		DB1701	1660 0.5
14.88	760.75	3	0.0000 1260		DB1701	1660 0.5
15.04	26.29	3	0.0000 1260		DB1701	1660 0.5
15.15	364.94	3	0.0000 1260		DB1701	1660 0.5
15.27	207.63	3	0.0000 1260		DB1701	1660 0.5
15.54	31.56	3	0.0000 1260		DB1701	1660 0.5
15.66	83.94	3	0.0000 1260		DB1701	1660 0.5
15.81	81.22	3	0.0000 1260		DB1701	1660 0.5
15.95	331.87	3	0.0000 1260		DB1701	1660 0.5
16.08	198.27	3	0.0000 1260		DB1701	1660 0.5
16.20	101.92	3	0.0000 1260		DB1701	1660 0.5
16.45	57.37	3	0.0000 1260		DB1701	1660 0.5
16.57	77.33	3	0.0000 1260		DB1701	1660 0.5
16.75	902.05	3	0.0000 1260		DB1701	1660 0.5
16.86	82.13	3	0.0000 1260		DB1701	1660 0.5
16.95	22.90	3	0.0000 1260		DB1701	1660 0.5
17.68	656.57	3	0.0000 1260		DB1701	1660 0.5
17.82	259.26	3	0.0000 1260		DB1701	1660 0.5
18.56	21.05	0	0.0000 -		DB1701	1660 0.5
18.75	98.10	0	0.0000 -		DB1701	1660 0.5
19.43	222.00	0	0.0000 -		DB1701	1660 0.5
20.26	49.00	0	0.0000 -		DB1701	1660 0.5
20.72	1383.98	5	87.7157 DCB	0,3	DB1701	1660 0.5
	24196.91	60	88.6172			

Lab name: AES
Analysis date: 11/20/2002 03:58:24
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B970.chr ()
Sample: 1660 0.5 CC 6
Operator: KEN FULLER



Retention	Area	Number	External	Component		Column		Sa
0.00	43.03	0	0.0000	-	DB1701	C C 6	1660 0.5	
0.13	244.17	0	0.0000	-	DB1701		1660 0.5	
1.14	2057.61	0	0.0000	-	DB1701		1660 0.5	
0.00	0.00	6	0.0000	TCMX	DB1701		1660 0.5	
5	20.03	0	0.0000	-	DB1701		1660 0.5	
0	32.97	0	0.0000	-	DB1701		1660 0.5	
6.00	170.94	0	0.0000	-	DB1701		1660 0.5	
6.51	23.77	0	0.0000	-	DB1701		1660 0.5	
7.01	407.51	1	0.0000	1016	DB1701		1660 0.5	
7.01	3860.57	2	0.4928	1016 total	DB1701		1660 0.5	
7.32	65.84	1	0.0000	1016	DB1701		1660 0.5	
7.52	108.70	1	0.0000	1016	DB1701		1660 0.5	
7.62	176.00	1	0.0000	1016	DB1701		1660 0.5	
8.02	109.99	1	0.0000	1016	DB1701		1660 0.5	
8.23	869.93	1	0.0000	1016	DB1701		1660 0.5	
8.59	370.86	1	0.0000	1016	DB1701		1660 0.5	
8.84	283.13	1	0.0000	1016	DB1701		1660 0.5	
9.18	158.66	1	0.0000	1016	DB1701		1660 0.5	
9.23	327.15	1	0.0000	1016	DB1701		1660 0.5	
9.85	344.97	1	0.0000	1016	DB1701		1660 0.5	
10.13	298.36	1	0.0000	1016	DB1701		1660 0.5	
10.53	59.37	1	0.0000	1016	DB1701		1660 0.5	
10.99	245.95	1	0.0000	1016	DB1701		1660 0.5	
11.40	34.16	1	0.0000	1016	DB1701		1660 0.5	
11.56	215.63	0	0.0000	-	DB1701		1660 0.5	
12.46	37.88	0	0.0000	-	DB1701		1660 0.5	
12.57	79.13	3	0.0000	1260	DB1701		1660 0.5	
12.57	6750.67	4	0.4749	1260 TOTAL	DB1701		1660 0.5	
12.78	103.91	3	0.0000	1260	DB1701		1660 0.5	
12.91	221.65	3	0.0000	1260	DB1701		1660 0.5	
13.01	54.52	3	0.0000	1260	DB1701		1660 0.5	
13.07	81.66	3	0.0000	1260	DB1701		1660 0.5	
13.29	449.83	3	0.0000	1260	DB1701		1660 0.5	
13.49	35.03	3	0.0000	1260	DB1701		1660 0.5	
2	32.77	3	0.0000	1260	DB1701		1660 0.5	
9	82.68	3	0.0000	1260	DB1701		1660 0.5	
13.95	571.69	3	0.0000	1260	DB1701		1660 0.5	
14.21	278.06	3	0.0000	1260	DB1701		1660 0.5	
14.41	311.85	3	0.0000	1260	DB1701		1660 0.5	
14.87	829.54	3	0.0000	1260	DB1701		1660 0.5	
15.02	27.73	3	0.0000	1260	DB1701		1660 0.5	
15.14	394.69	3	0.0000	1260	DB1701		1660 0.5	
15.25	222.04	3	0.0000	1260	DB1701		1660 0.5	
15.53	25.22	3	0.0000	1260	DB1701		1660 0.5	
15.64	85.76	3	0.0000	1260	DB1701		1660 0.5	
15.79	87.29	3	0.0000	1260	DB1701		1660 0.5	
15.93	358.51	3	0.0000	1260	DB1701		1660 0.5	
16.07	212.70	3	0.0000	1260	DB1701		1660 0.5	
16.18	107.85	3	0.0000	1260	DB1701		1660 0.5	
16.43	61.50	3	0.0000	1260	DB1701		1660 0.5	
16.55	84.82	3	0.0000	1260	DB1701		1660 0.5	
16.74	991.79	3	0.0000	1260	DB1701		1660 0.5	
16.84	90.30	3	0.0000	1260	DB1701		1660 0.5	
16.93	25.36	3	0.0000	1260	DB1701		1660 0.5	
17.66	636.34	3	0.0000	1260	DB1701		1660 0.5	
17.80	206.48	3	0.0000	1260	DB1701		1660 0.5	
18.54	22.82	0	0.0000	-	DB1701		1660 0.5	
18.73	103.47	0	0.0000	-	DB1701		1660 0.5	
19.41	237.86	0	0.0000	-	DB1701		1660 0.5	
20.24	65.19	0	0.0000	- 0,2	DB1701		1660 0.5	
20.70	1524.94	5	96.6495	DCB	DB1701		1660 0.5	
	26022.79	60	97.6172					

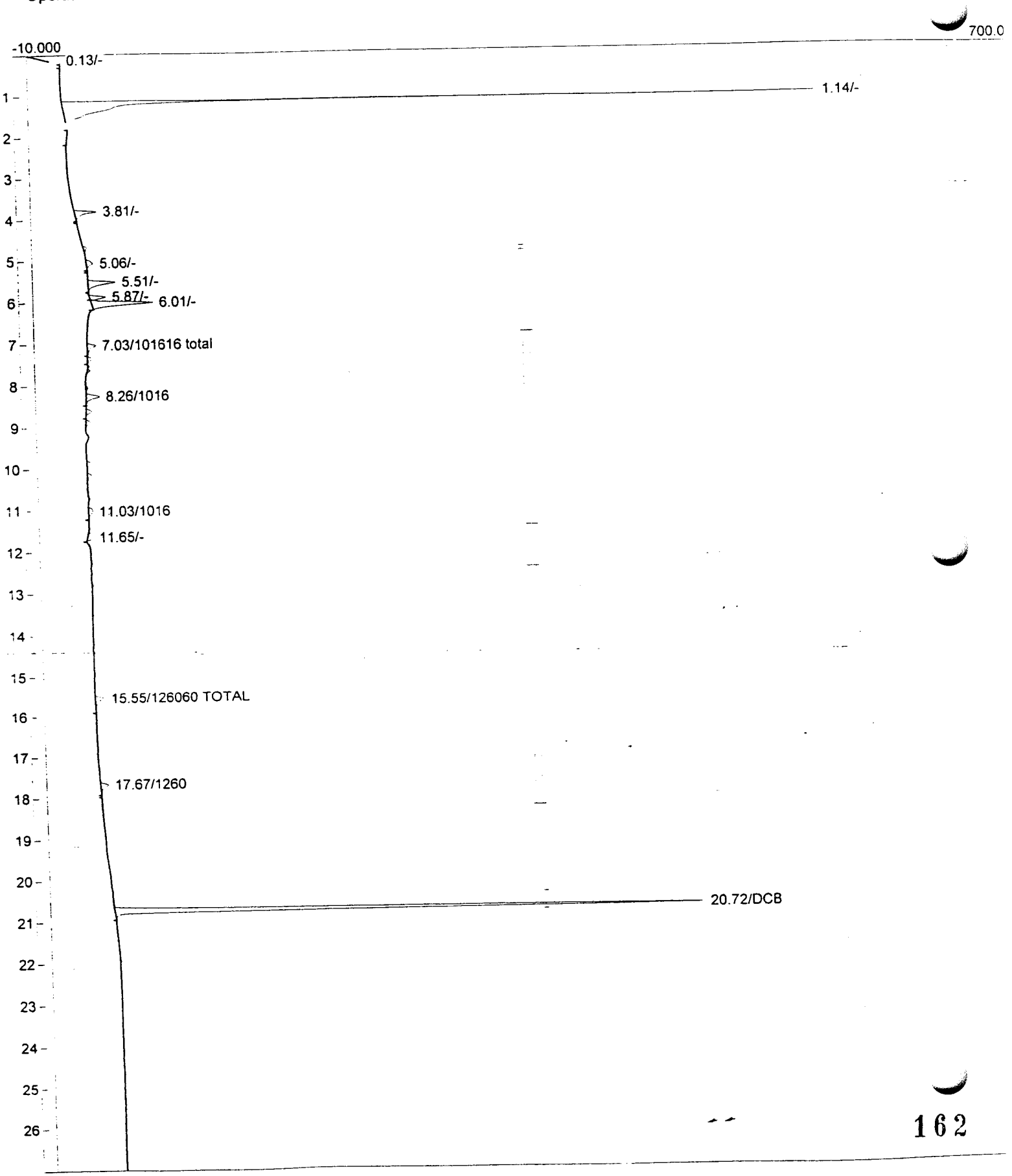
Lab name: AES
Analysis date: 11/20/2002 09:42:18
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B978.chr ()
Sample: 1660 0.5
Operator: KEN FULLER



160

etention	Area	Number	External	Component	Column	
0.12	98.06	0	0.0000 -	DB1701	1660	0.5
1.14	2097.01	0	0.0000 -	DB1701	1660	0.5
0.00	0.00	6	0.0000 TCMX	DB1701	1660	0.5
`6	20.95	0	0.0000 -	DB1701	1660	0.5
2	36.71	0	0.0000 -	DB1701	1660	0.5
5.87	21.14	0	0.0000 -	DB1701	1660	0.5
6.01	177.23	0	0.0000 -	DB1701	1660	0.5
6.53	25.07	0	0.0000 -	DB1701	1660	0.5
7.03	417.91	1	0.0000 1016	DB1701	1660	0.5
7.03	3986.74	2	0.5089 1016 total	DB1701	1660	0.5
7.34	62.80	1	0.0000 1016	DB1701	1660	0.5
7.54	110.33	1	0.0000 1016	DB1701	1660	0.5
7.64	178.41	1	0.0000 1016	DB1701	1660	0.5
8.04	112.68	1	0.0000 1016	DB1701	1660	0.5
8.25	906.06	1	0.0000 1016	DB1701	1660	0.5
8.61	381.76	1	0.0000 1016	DB1701	1660	0.5
8.87	298.57	1	0.0000 1016	DB1701	1660	0.5
9.20	167.22	1	0.0000 1016	DB1701	1660	0.5
9.25	332.11	1	0.0000 1016	DB1701	1660	0.5
9.87	361.84	1	0.0000 1016	DB1701	1660	0.5
10.16	313.15	1	0.0000 1016	DB1701	1660	0.5
10.55	59.85	1	0.0000 1016	DB1701	1660	0.5
10.74	24.19	1	0.0000 1016	DB1701	1660	0.5
11.02	236.83	1	0.0000 1016	DB1701	1660	0.5
11.43	23.04	1	0.0000 1016	DB1701	1660	0.5
11.58	212.00	0	0.0000 -	DB1701	1660	0.5
12.48	40.43	0	0.0000 -	DB1701	1660	0.5
12.59	79.84	3	0.0000 1260	DB1701	1660	0.5
12.59	7398.51	4	0.5204 1260 TOTAL	DB1701	1660	0.5
12.80	109.38	3	0.0000 1260	DB1701	1660	0.5
12.93	234.17	3	0.0000 1260	DB1701	1660	0.5
13.04	54.12	3	0.0000 1260	DB1701	1660	0.5
13.09	88.00	3	0.0000 1260	DB1701	1660	0.5
31	471.33	3	0.0000 1260	DB1701	1660	0.5
51	35.67	3	0.0000 1260	DB1701	1660	0.5
13.65	37.13	3	0.0000 1260	DB1701	1660	0.5
13.81	92.15	3	0.0000 1260	DB1701	1660	0.5
13.97	614.41	3	0.0000 1260	DB1701	1660	0.5
14.23	298.43	3	0.0000 1260	DB1701	1660	0.5
14.44	338.96	3	0.0000 1260	DB1701	1660	0.5
14.73	21.25	3	0.0000 1260	DB1701	1660	0.5
14.89	885.86	3	0.0000 1260	DB1701	1660	0.5
15.04	31.17	3	0.0000 1260	DB1701	1660	0.5
15.16	426.75	3	0.0000 1260	DB1701	1660	0.5
15.28	237.09	3	0.0000 1260	DB1701	1660	0.5
15.55	25.23	3	0.0000 1260	DB1701	1660	0.5
15.66	94.21	3	0.0000 1260	DB1701	1660	0.5
15.82	94.25	3	0.0000 1260	DB1701	1660	0.5
15.96	381.36	3	0.0000 1260	DB1701	1660	0.5
16.09	227.71	3	0.0000 1260	DB1701	1660	0.5
16.20	117.17	3	0.0000 1260	DB1701	1660	0.5
16.46	64.29	3	0.0000 1260	DB1701	1660	0.5
16.58	90.96	3	0.0000 1260	DB1701	1660	0.5
16.76	1061.39	3	0.0000 1260	DB1701	1660	0.5
16.86	95.34	3	0.0000 1260	DB1701	1660	0.5
16.93	27.67	3	0.0000 1260	DB1701	1660	0.5
17.69	762.36	3	0.0000 1260	DB1701	1660	0.5
17.83	300.83	3	0.0000 1260	DB1701	1660	0.5
18.57	23.67	0	0.0000 -	DB1701	1660	0.5
18.76	110.67	0	0.0000 -	DB1701	1660	0.5
19.44	253.85	0	0.0000 -	DB1701	1660	0.5
20.27	40.07	0	0.0000 -	DB1701	1660	0.5
20.73	1649.14	5	104.5212 DCB	DB1701	1660	0.5
	27576.49	62	105.5506			

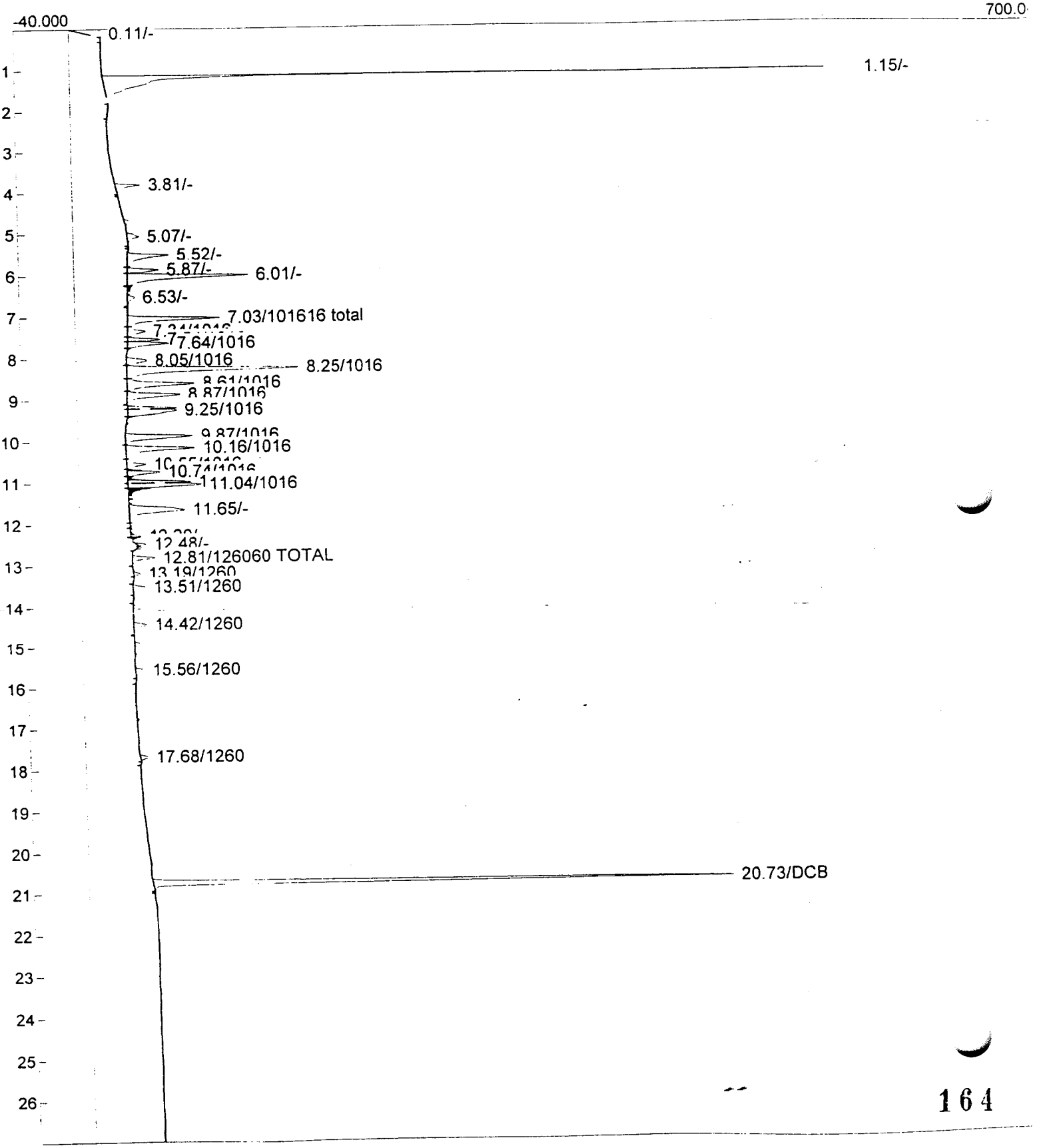
Analysis date: 11/20/2002 11:08:17
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Data file: b980.CHR ()
Sample: 1221 0.5
Operator: KEN FULLER



Number	Retention	Area	Component	External	Sample
0	0.13	150.77	-	0.0000 1221 0.5	
0	1.14	1300.72	-	0.0000 1221 0.5	
0	3.81	78.42	-	0.0000 1221 0.5	
	0.00	0.00	TCMX	0.0000 1221 0.5	
	5.06	34.60	-	0.0000 1221 0.5	
0	5.51	112.87	-	0.0000 1221 0.5	
0	5.87	52.22	-	0.0000 1221 0.5	
0	6.01	241.60	-	0.0000 1221 0.5	
1	7.03	39.56	1016	0.0000 1221 0.5	
2	7.03	128.40	1016 total	0.0164 1221 0.5	
1	8.26	59.46	1016	0.0000 1221 0.5	
1	11.03	29.38	1016	0.0000 1221 0.5	
0	11.65	31.95	-	0.0000 1221 0.5	
4	15.55	88.49	1260 TOTAL	0.0062 1221 0.5	
3	15.55	49.54	1260	0.0000 1221 0.5	
3	17.67	38.95	1260	0.0000 1221 0.5	
5	20.72	1636.84	DCB	103.7417 1221 0.5	
16		4073.76		103.7643	

480.85

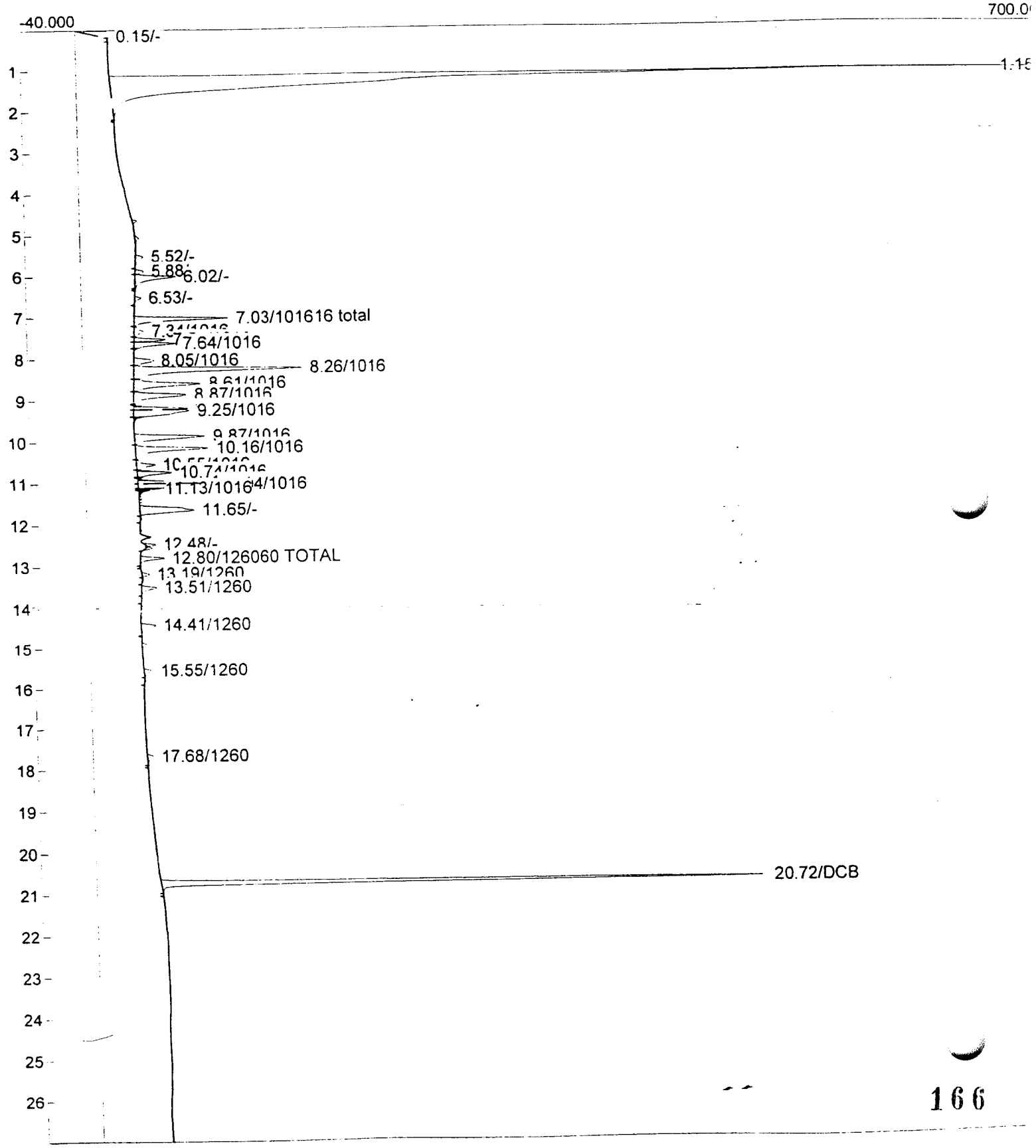
Lab name: AES
Analysis date: 11/20/2002 11:51:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B981.chr ()
Sample: 1232 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.11	132.55	0	0.0000 -		DB1701	1232 0.5
1.15	1260.52	0	0.0000 -		DB1701	1232 0.5
3.81	87.52	0	0.0000 -		DB1701	1232 0.5
)0	0.00	6	0.0000 TCMX		DB1701	1232 0.5
J7	57.32	0	0.0000 -		DB1701	1232 0.5
5.52	198.25	0	0.0000 -		DB1701	1232 0.5
5.87	111.19	0	0.0000 -		DB1701	1232 0.5
6.01	538.76	0	0.0000 -		DB1701	1232 0.5
6.53	37.46	0	0.0000 -		DB1701	1232 0.5
7.03	358.06	1	0.0000 1016		DB1701	1232 0.5
7.03	3677.43	2	0.4695 1016 total		DB1701	1232 0.5
7.34	87.89	1	0.0000 1016		DB1701	1232 0.5
7.54	93.80	1	0.0000 1016		DB1701	1232 0.5
7.64	147.41	1	0.0000 1016		DB1701	1232 0.5
8.05	94.64	1	0.0000 1016		DB1701	1232 0.5
8.25	750.25	1	0.0000 1016		DB1701	1232 0.5
8.61	311.51	1	0.0000 1016		DB1701	1232 0.5
8.87	239.36	1	0.0000 1016		DB1701	1232 0.5
9.20	115.08	1	0.0000 1016		DB1701	1232 0.5
9.25	246.71	1	0.0000 1016		DB1701	1232 0.5
9.87	300.94	1	0.0000 1016		DB1701	1232 0.5
10.16	307.37	1	0.0000 1016		DB1701	1232 0.5
10.55	81.19	1	0.0000 1016		DB1701	1232 0.5
10.74	113.09	1	0.0000 1016		DB1701	1232 0.5
10.98	159.70	1	0.0000 1016		DB1701	1232 0.5
11.04	270.43	1	0.0000 1016		DB1701	1232 0.5
11.65	357.14	0	0.0000 -		DB1701	1232 0.5
12.29	21.24	0	0.0000 -		DB1701	1232 0.5
12.48	21.76	0	0.0000 -		DB1701	1232 0.5
12.81	262.62	4	0.0185 1260 TOTAL		DB1701	1232 0.5
12.81	73.35	3	0.0000 1260		DB1701	1232 0.5
13.19	21.11	3	0.0000 1260		DB1701	1232 0.5
13.51	44.92	3	0.0000 1260		DB1701	1232 0.5
.42	53.83	3	0.0000 1260		DB1701	1232 0.5
.56	40.27	3	0.0000 1260		DB1701	1232 0.5
17.68	29.15	3	0.0000 1260		DB1701	1232 0.5
20.73	1637.12	5	103.7596 DCB		DB1701	1232 0.5
	12340.94	36	104.2475			

2105.94

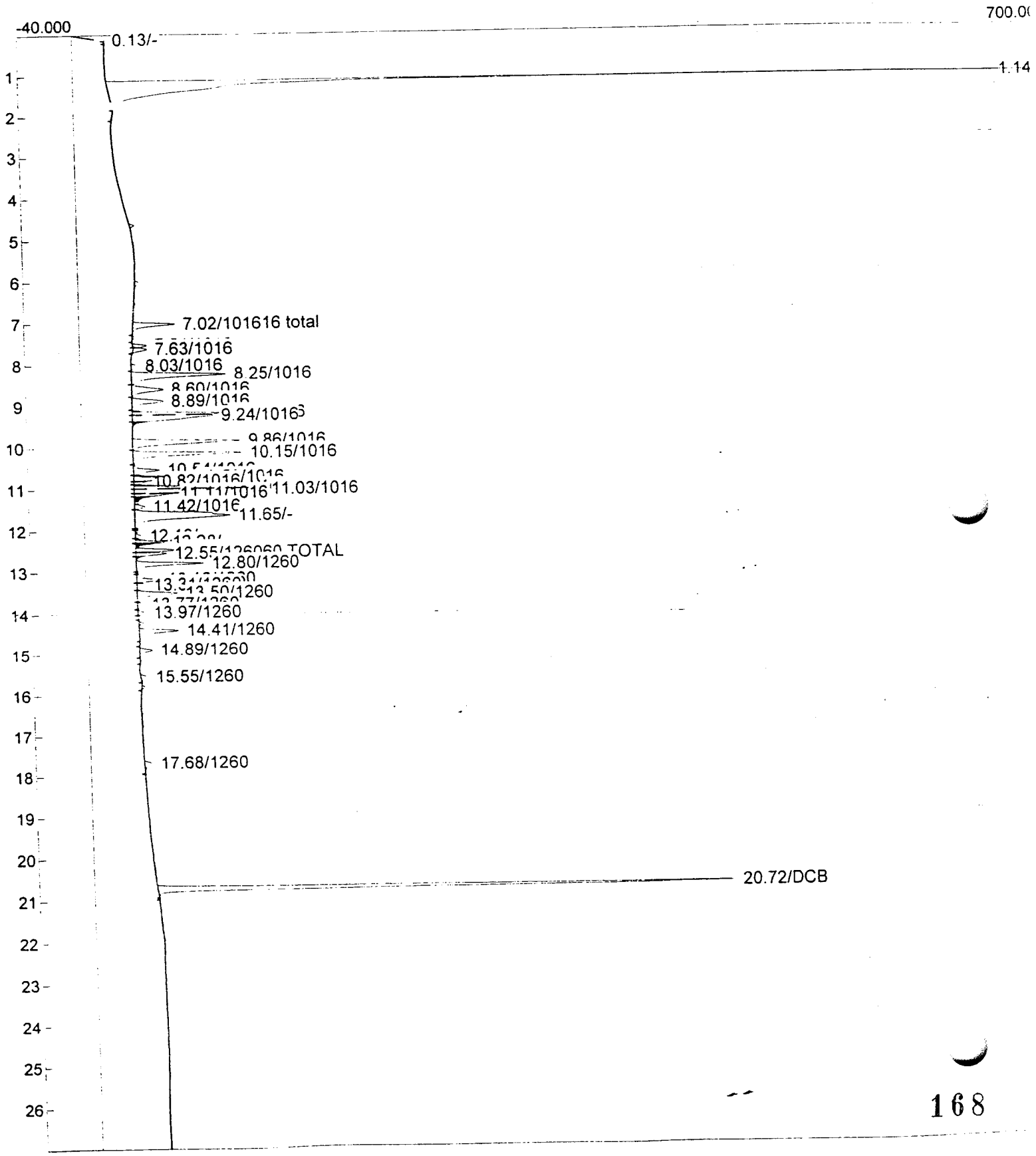
Lab name: AES
Analysis date: 11/20/2002 12:34:17
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B982.chr ()
Sample: 1242 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.15	123.44	0	0.0000 -		DB1701	1242 0.5
1.15	5919.85	0	0.0000 -		DB1701	1242 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1242 0.5
52	41.17	0	0.0000 -		DB1701	1242 0.5
68	30.90	0	0.0000 -		DB1701	1242 0.5
6.02	191.43	0	0.0000 -		DB1701	1242 0.5
6.53	22.34	0	0.0000 -		DB1701	1242 0.5
7.03	345.66	1	0.0000 1016		DB1701	1242 0.5
7.03	3816.20	2	0.4872 1016 total		DB1701	1242 0.5
7.34	52.04	1	0.0000 1016		DB1701	1242 0.5
7.54	92.57	1	0.0000 1016		DB1701	1242 0.5
7.64	152.07	1	0.0000 1016		DB1701	1242 0.5
8.05	95.13	1	0.0000 1016		DB1701	1242 0.5
8.26	756.37	1	0.0000 1016		DB1701	1242 0.5
8.61	327.96	1	0.0000 1016		DB1701	1242 0.5
8.87	259.46	1	0.0000 1016		DB1701	1242 0.5
9.20	135.37	1	0.0000 1016		DB1701	1242 0.5
9.25	290.83	1	0.0000 1016		DB1701	1242 0.5
9.87	315.84	1	0.0000 1016		DB1701	1242 0.5
10.16	322.90	1	0.0000 1016		DB1701	1242 0.5
10.55	82.43	1	0.0000 1016		DB1701	1242 0.5
10.74	121.44	1	0.0000 1016		DB1701	1242 0.5
10.98	160.13	1	0.0000 1016		DB1701	1242 0.5
11.04	281.05	1	0.0000 1016		DB1701	1242 0.5
11.13	24.97	1	0.0000 1016		DB1701	1242 0.5
11.65	316.47	0	0.0000 -		DB1701	1242 0.5
12.48	24.38	0	0.0000 -		DB1701	1242 0.5
12.80	77.01	3	0.0000 1260		DB1701	1242 0.5
12.80	284.94	4	0.0200 1260 TOTAL		DB1701	1242 0.5
13.19	23.13	3	0.0000 1260		DB1701	1242 0.5
13.51	56.28	3	0.0000 1260		DB1701	1242 0.5
14.41	61.41	3	0.0000 1260		DB1701	1242 0.5
15.55	36.92	3	0.0000 1260		DB1701	1242 0.5
7.68	30.18	3	0.0000 1260		DB1701	1242 0.5
.72	1717.06	5	108.8264 DCB		DB1701	1242 0.5
	16589.32	34	109.3336			

2005.29

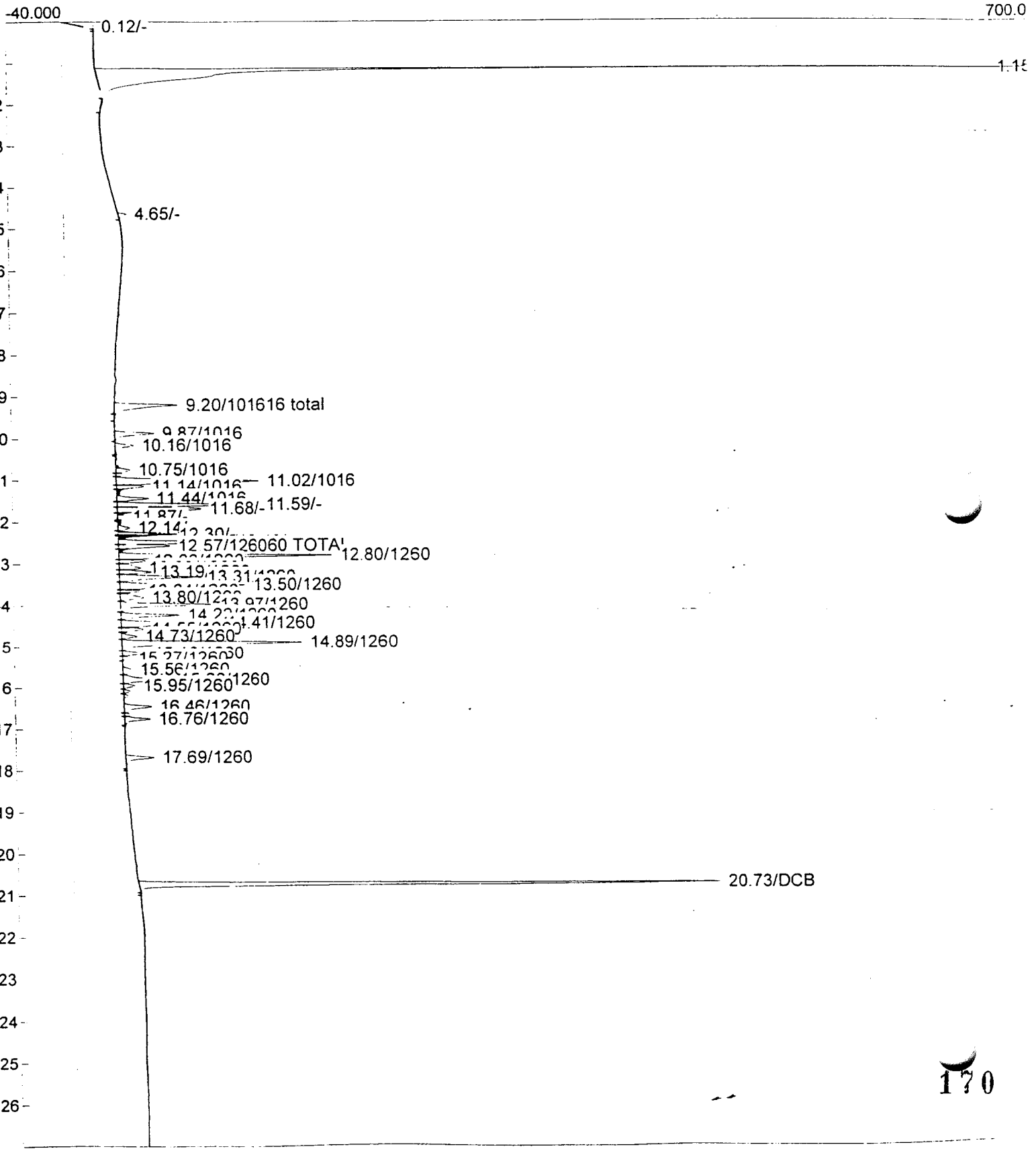
Lab name: AES
Analysis date: 11/20/2002 13:17:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B983.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.13	104.84	0	0.0000 -		DB1701	1248 0.5
1.14	2651.41	0	0.0000 -		DB1701	1248 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1248 0.5
02	3621.44	2	0.4623 1016 total		DB1701	1248 0.5
02	156.75	1	0.0000 1016		DB1701	1248 0.5
7.54	38.45	1	0.0000 1016		DB1701	1248 0.5
7.63	46.17	1	0.0000 1016		DB1701	1248 0.5
8.03	24.51	1	0.0000 1016		DB1701	1248 0.5
8.25	431.54	1	0.0000 1016		DB1701	1248 0.5
8.60	163.20	1	0.0000 1016		DB1701	1248 0.5
8.89	143.80	1	0.0000 1016		DB1701	1248 0.5
9.19	225.80	1	0.0000 1016		DB1701	1248 0.5
9.24	380.05	1	0.0000 1016		DB1701	1248 0.5
9.86	445.03	1	0.0000 1016		DB1701	1248 0.5
10.15	409.59	1	0.0000 1016		DB1701	1248 0.5
10.54	107.28	1	0.0000 1016		DB1701	1248 0.5
10.73	171.37	1	0.0000 1016		DB1701	1248 0.5
10.82	25.01	1	0.0000 1016		DB1701	1248 0.5
10.98	283.82	1	0.0000 1016		DB1701	1248 0.5
11.03	454.67	1	0.0000 1016		DB1701	1248 0.5
11.11	77.39	1	0.0000 1016		DB1701	1248 0.5
11.42	37.00	1	0.0000 1016		DB1701	1248 0.5
11.65	668.42	0	0.0000 -		DB1701	1248 0.5
12.13	20.36	0	0.0000 -		DB1701	1248 0.5
12.28	66.60	0	0.0000 -		DB1701	1248 0.5
12.47	118.36	0	0.0000 -		DB1701	1248 0.5
12.55	91.30	3	0.0000 1260		DB1701	1248 0.5
12.55	938.43	4	0.0660 1260 TOTAL		DB1701	1248 0.5
12.80	222.75	3	0.0000 1260		DB1701	1248 0.5
13.18	86.37	3	0.0000 1260		DB1701	1248 0.5
13.31	48.59	3	0.0000 1260		DB1701	1248 0.5
13.50	164.77	3	0.0000 1260		DB1701	1248 0.5
13.77	27.28	3	0.0000 1260		DB1701	1248 0.5
3.97	25.16	3	0.0000 1260		DB1701	1248 0.5
.41	158.43	3	0.0000 1260		DB1701	1248 0.5
14.89	45.66	3	0.0000 1260		DB1701	1248 0.5
15.55	28.36	3	0.0000 1260		DB1701	1248 0.5
17.68	39.78	3	0.0000 1260		DB1701	1248 0.5
20.72	1631.20	5	103.3846 DCB		DB1701	1248 0.5
	14380.95	38	103.9130			

2211.96

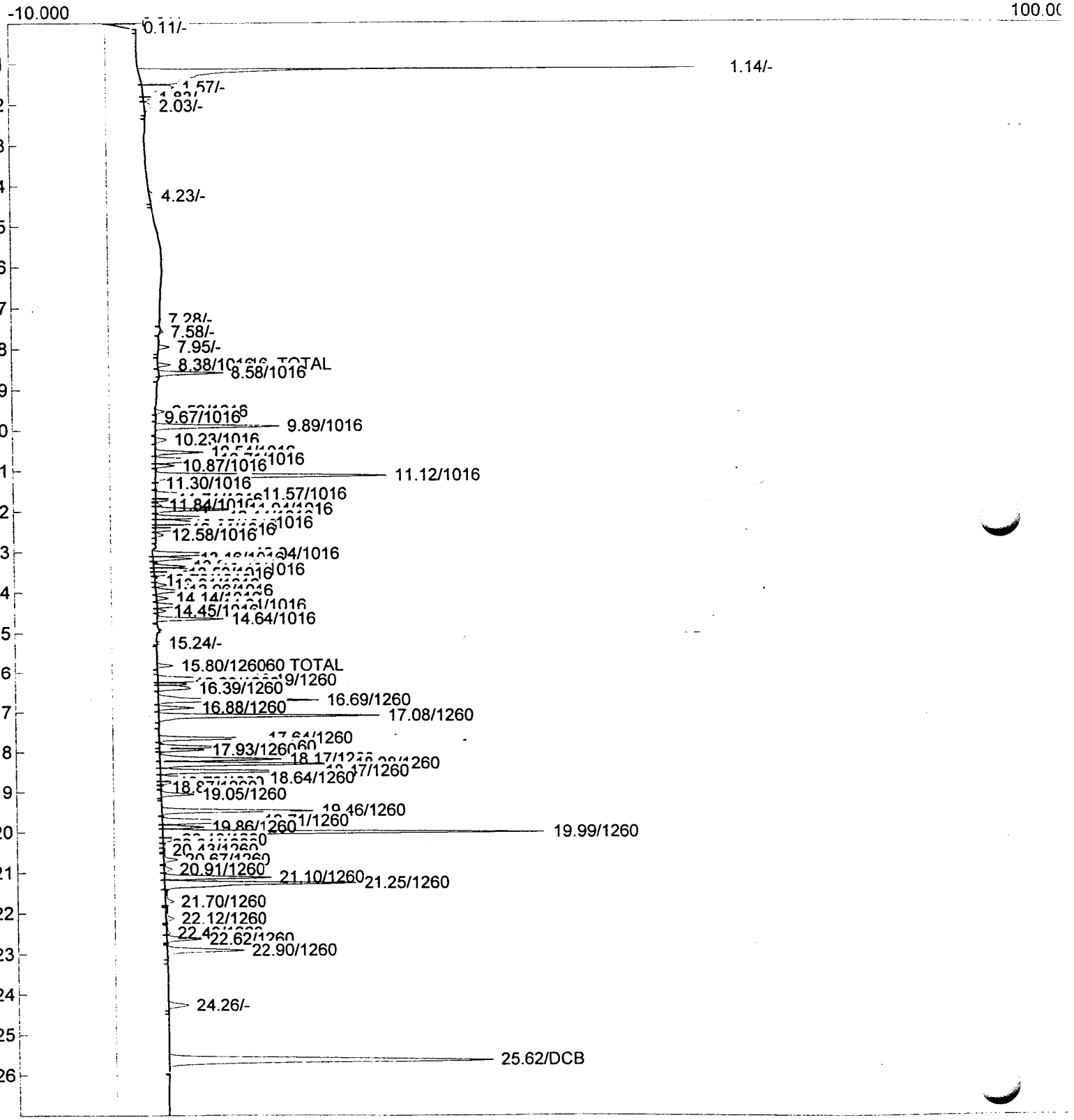
Lab name: AES
Analysis date: 11/20/2002 14:00:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B984.chr ()
Sample: 1254 0.5
Operator: KEN FULLER



etention	Area	Number	External	Component	Column	
0.12	119.40	0	0.0000 -		DB1701	1254 0.5
1.15	2692.73	0	0.0000 -		DB1701	1254 0.5
4.65	24.19	0	0.0000 -		DB1701	1254 0.5
`0	0.00	6	0.0000 TCMX		DB1701	1254 0.5
0	1251.57	2	0.1598 1016 total		DB1701	1254 0.5
9.20	265.69	1	0.0000 1016		DB1701	1254 0.5
9.87	137.09	1	0.0000 1016		DB1701	1254 0.5
10.16	73.62	1	0.0000 1016		DB1701	1254 0.5
10.75	51.13	1	0.0000 1016		DB1701	1254 0.5
11.02	542.23	1	0.0000 1016		DB1701	1254 0.5
11.14	83.05	1	0.0000 1016		DB1701	1254 0.5
11.44	98.76	1	0.0000 1016		DB1701	1254 0.5
11.59	390.62	0	0.0000 -		DB1701	1254 0.5
11.68	341.99	0	0.0000 -		DB1701	1254 0.5
11.87	29.84	0	0.0000 -		DB1701	1254 0.5
12.14	40.99	0	0.0000 -		DB1701	1254 0.5
12.29	113.98	0	0.0000 -		DB1701	1254 0.5
12.30	38.73	0	0.0000 -		DB1701	1254 0.5
12.48	321.96	0	0.0000 -		DB1701	1254 0.5
12.57	4172.01	4	0.2935 1260 TOTAL		DB1701	1254 0.5
12.57	160.98	3	0.0000 1260		DB1701	1254 0.5
12.80	627.91	3	0.0000 1260		DB1701	1254 0.5
12.93	82.52	3	0.0000 1260		DB1701	1254 0.5
13.09	93.60	3	0.0000 1260		DB1701	1254 0.5
13.19	99.34	3	0.0000 1260		DB1701	1254 0.5
13.31	269.57	3	0.0000 1260		DB1701	1254 0.5
13.50	439.34	3	0.0000 1260		DB1701	1254 0.5
13.64	57.07	3	0.0000 1260		DB1701	1254 0.5
13.80	102.74	3	0.0000 1260		DB1701	1254 0.5
13.97	284.26	3	0.0000 1260		DB1701	1254 0.5
14.22	178.92	3	0.0000 1260		DB1701	1254 0.5
14.41	356.88	3	0.0000 1260		DB1701	1254 0.5
14.55	73.58	3	0.0000 1260		DB1701	1254 0.5
73	50.00	3	0.0000 1260		DB1701	1254 0.5
89	643.88	3	0.0000 1260		DB1701	1254 0.5
15.16	75.33	3	0.0000 1260		DB1701	1254 0.5
15.27	22.75	3	0.0000 1260		DB1701	1254 0.5
15.56	44.39	3	0.0000 1260		DB1701	1254 0.5
15.80	176.05	3	0.0000 1260		DB1701	1254 0.5
15.95	35.22	3	0.0000 1260		DB1701	1254 0.5
16.46	110.85	3	0.0000 1260		DB1701	1254 0.5
16.76	84.39	3	0.0000 1260		DB1701	1254 0.5
17.69	102.44	3	0.0000 1260		DB1701	1254 0.5
20.73	1620.07	5	102.6790 DCB		DB1701	1254 0.5
	16581.67	43	103.1322			

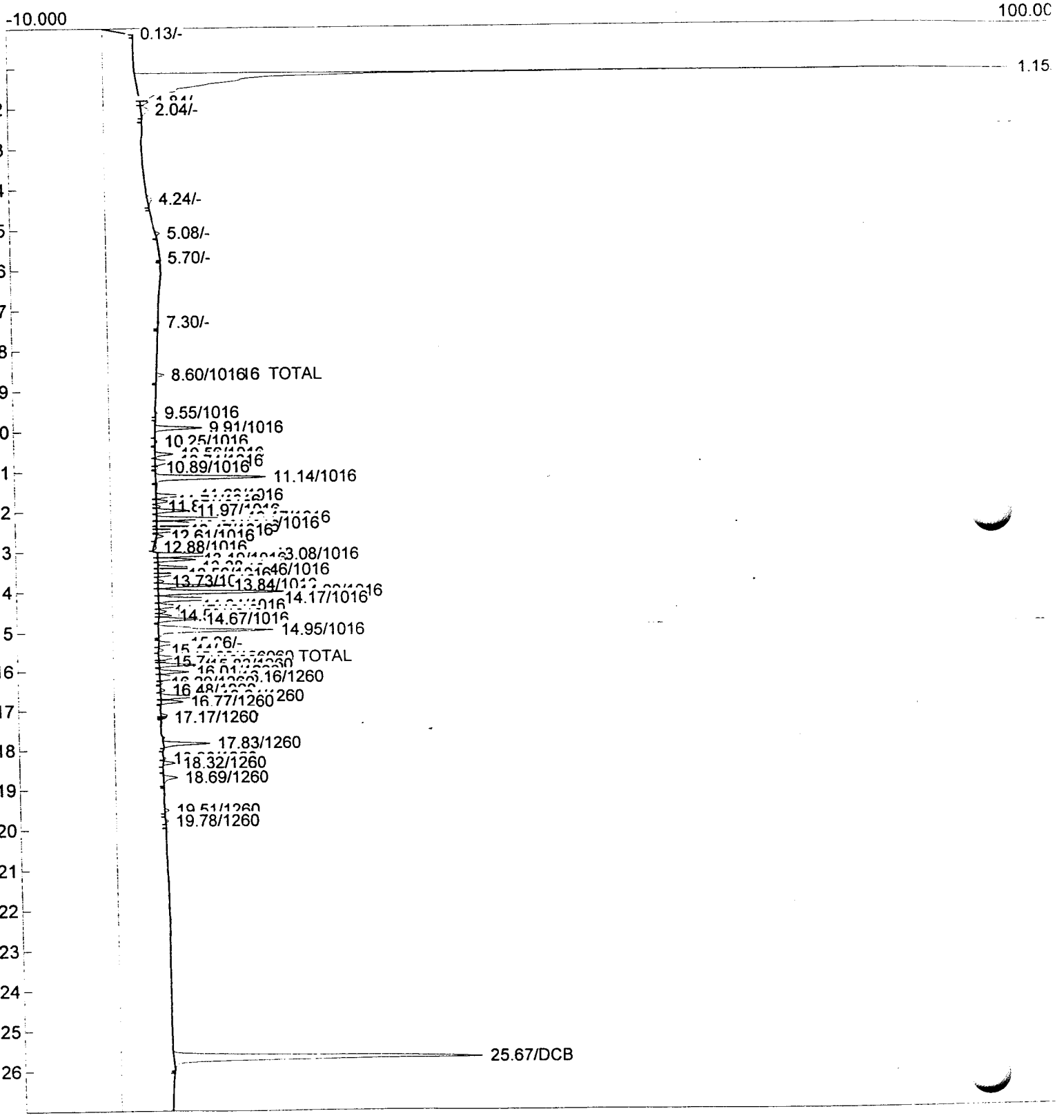
2169.98
+ 8.29

Lab name: AES
Analysis date: 11/16/2002 05:37:47
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C920.CHR ()
Sample: 1660 0.5
Operator: KEN FULLER



Retention	Area		Component	External	Column	Sample
8.38	639.52	1016	TOTAL	0.5000 608		1660 0.5
8.38	5.42	1016		0.0000 608		1660 0.5
8.58	25.99	1016		0.0000 608		1660 0.5
9.53	4.47	1016		0.0000 608		1660 0.5
67	1.00	1016		0.0000 608		1660 0.5
39	56.90	1016		0.0000 608		1660 0.5
10.23	5.85	1016		0.0000 608		1660 0.5
10.54	19.80	1016		0.0000 608		1660 0.5
10.71	33.07	1016	8-15	0.0000 608		1660 0.5
10.87	7.66	1016		0.0000 608		1660 0.5
11.12	123.18	1016		0.0000 608		1660 0.5
11.30	2.56	1016		0.0000 608		1660 0.5
11.57	45.73	1016		0.0000 608		1660 0.5
11.71	5.30	1016		0.0000 608		1660 0.5
11.84	2.33	1016		0.0000 608		1660 0.5
11.94	34.08	1016		0.0000 608		1660 0.5
12.14	26.02	1016		0.0000 608		1660 0.5
12.27	33.51	1016		0.0000 608		1660 0.5
12.35	10.19	1016		0.0000 608		1660 0.5
12.44	11.29	1016		0.0000 608		1660 0.5
12.58	3.62	1016		0.0000 608		1660 0.5
13.04	42.01	1016		0.0000 608		1660 0.5
13.16	16.43	1016		0.0000 608		1660 0.5
13.35	11.87	1016		0.0000 608		1660 0.5
13.43	23.78	1016		0.0000 608		1660 0.5
13.53	10.70	1016		0.0000 608		1660 0.5
13.70	1.84	1016		0.0000 608		1660 0.5
13.81	4.91	1016		0.0000 608		1660 0.5
13.96	13.24	1016		0.0000 608		1660 0.5
14.14	4.82	1016		0.0000 608		1660 0.5
14.31	22.27	1016		0.0000 608		1660 0.5
14.45	3.12	1016		0.0000 608		1660 0.5
14.64	26.55	1016		0.0000 608		1660 0.5
15.80	6.48	1260		0.0000 608		1660 0.5
15.80	1179.46	1260	TOTAL 8.5-24	0.5000 608		1660 0.5
16.19	50.42	1260		0.0000 608		1660 0.5
16.28	10.52	1260		0.0000 608		1660 0.5
39	20.50	1260		0.0000 608		1660 0.5
39	71.93	1260		0.0000 608		1660 0.5
16.88	14.42	1260		0.0000 608		1660 0.5
17.08	95.03	1260		0.0000 608		1660 0.5
17.64	41.84	1260		0.0000 608		1660 0.5
17.86	26.49	1260		0.0000 608		1660 0.5
17.93	16.65	1260		0.0000 608		1660 0.5
18.17	59.92	1260		0.0000 608		1660 0.5
18.28	82.61	1260		0.0000 608		1660 0.5
18.47	66.02	1260		0.0000 608		1660 0.5
18.64	43.99	1260		0.0000 608		1660 0.5
18.76	4.41	1260		0.0000 608		1660 0.5
18.87	1.42	1260		0.0000 608		1660 0.5
19.05	13.94	1260		0.0000 608		1660 0.5
19.46	65.78	1260		0.0000 608		1660 0.5
19.71	55.97	1260		0.0000 608		1660 0.5
19.86	16.97	1260		0.0000 608		1660 0.5
19.99	167.83	1260		0.0000 608		1660 0.5
20.18	6.01	1260		0.0000 608		1660 0.5
20.31	1.01	1260		0.0000 608		1660 0.5
20.43	1.15	1260		0.0000 608		1660 0.5
20.67	7.86	1260		0.0000 608		1660 0.5
20.91	4.81	1260		0.0000 608		1660 0.5
21.10	48.48	1260		0.0000 608		1660 0.5
21.25	100.97	1260		0.0000 608		1660 0.5
21.70	6.75	1260		0.0000 608		1660 0.5
22.12	5.81	1260		0.0000 608		1660 0.5
22.48	1.96	1260		0.0000 608		1660 0.5
22.62	18.02	1260		0.0000 608		1660 0.5
22.90	43.50	1260		0.0000 608		1660 0.5
25.62	231.53	DCB	0.00	100.0000 608		1660 0.5
	3869.50			101.0000		

Lab name: AES
Analysis date: 11/16/2002 08:29:38
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C924.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



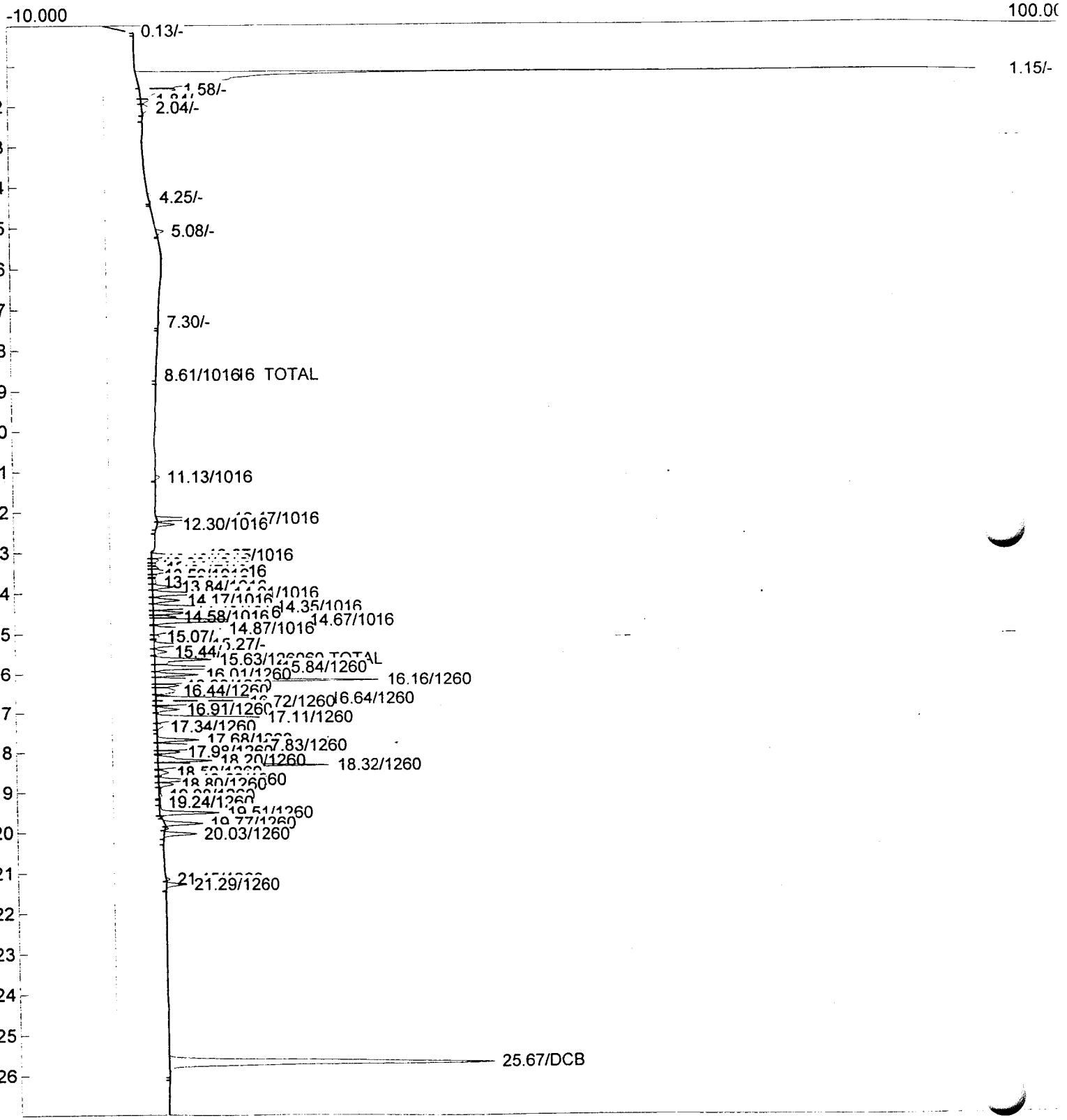
Retention	Area	Component	External	Column	Sample
8.60	598.73	1016 TOTAL	0.4681 608		1248 0.5
8.60	3.63	1016	0.0000 608		1248 0.5
9.55	1.03	1016	0.0000 608		1248 0.5
9.91	21.77	1016	0.0000 608		1248 0.5
5	1.17	1016	0.0000 608		1248 0.5
6	8.15	1016	0.0000 608		1248 0.5
10.74	10.45	1016	0.0000 608		1248 0.5
10.89	1.47	1016	0.0000 608		1248 0.5
11.14	61.36	1016	0.0000 608		1248 0.5
11.60	15.41	1016	0.0000 608		1248 0.5
11.74	5.40	1016	0.0000 608		1248 0.5
11.87	1.59	1016	0.0000 608		1248 0.5
11.97	13.06	1016	0.0000 608		1248 0.5
12.17	33.37	1016	0.0000 608		1248 0.5
12.30	35.03	1016	0.0000 608		1248 0.5
12.38	11.48	1016	0.0000 608		1248 0.5
12.47	10.05	1016	0.0000 608		1248 0.5
12.61	3.35	1016	0.0000 608		1248 0.5
12.88	1.55	1016	0.0000 608		1248 0.5
13.08	45.91	1016	0.0000 608		1248 0.5
13.19	15.02	1016	0.0000 608		1248 0.5
13.38	12.58	1016	0.0000 608		1248 0.5
13.46	33.30	1016	0.0000 608		1248 0.5
13.56	8.49	1016	0.0000 608		1248 0.5
13.73	2.33	1016	0.0000 608		1248 0.5
13.84	28.00	1016	0.0000 608		1248 0.5
14.00	61.46	1016	0.0000 608		1248 0.5
14.17	49.39	1016	0.0000 608		1248 0.5
14.34	15.08	1016	0.0000 608		1248 0.5
14.47	3.02	1016	0.0000 608		1248 0.5
14.58	4.51	1016	0.0000 608		1248 0.5
14.67	17.09	1016	0.0000 608		1248 0.5
14.95	63.23	1016	0.0000 608		1248 0.5
15.63	155.19	1260 TOTAL	0.0658 608		1248 0.5
15.63	11.89	1260	0.0000 608		1248 0.5
15.74	2.57	1260	0.0000 608		1248 0.5
15.83	17.84	1260	0.0000 608		1248 0.5
1	12.00	1260	0.0000 608		1248 0.5
16	31.79	1260	0.0000 608		1248 0.5
16.29	1.40	1260	0.0000 608		1248 0.5
16.48	1.88	1260	0.0000 608		1248 0.5
16.64	23.44	1260	0.0000 608		1248 0.5
16.77	9.78	1260	0.0000 608		1248 0.5
17.11	2.62	1260	0.0000 608		1248 0.5
17.17	1.53	1260	0.0000 608		1248 0.5
17.83	21.24	1260	0.0000 608		1248 0.5
18.20	1.14	1260	0.0000 608		1248 0.5
18.32	4.77	1260	0.0000 608		1248 0.5
18.69	7.99	1260	0.0000 608		1248 0.5
19.51	2.00	1260	0.0000 608		1248 0.5
19.78	1.30	1260	0.0000 608		1248 0.5
25.67	224.47	DCB	96.9488 608		1248 0.5
	1732.31		97.4827		

Ref 1248

208.97

0,2

Lab name: AES
Analysis date: 11/16/2002 09:12:35
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C925.chr ()
Sample: 1254 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	17.59 -		0.0000 608		1254 0.5
1.15	307.01 -		0.0000 608		1254 0.5
1.58	30.58 -		0.0000 608		1254 0.5
1.84	4.40 -		0.0000 608		1254 0.5
04	7.41 -		0.0000 608		1254 0.5
25	4.46 -		0.0000 608		1254 0.5
5.08	4.01 -		0.0000 608		1254 0.5
7.30	1.07 -		0.0000 608		1254 0.5
8.61	311.35	1016 TOTAL	0.2434 608		1254 0.5
8.61	1.00	1016	0.0000 608		1254 0.5
11.13	2.38	1016	0.0000 608		1254 0.5
12.17	26.50	1016	0.0000 608		1254 0.5
12.30	7.03	1016	0.0000 608		1254 0.5
13.07	21.24	1016	0.0000 608		1254 0.5
13.19	4.11	1016	0.0000 608		1254 0.5
13.28	1.90	1016	0.0000 608		1254 0.5
13.38	2.85	1016	0.0000 608		1254 0.5
13.47	10.56	1016	0.0000 608		1254 0.5
13.56	2.16	1016	0.0000 608		1254 0.5
13.73	3.44	1016	0.0000 608		1254 0.5
13.84	10.49	1016	0.0000 608		1254 0.5
14.01	32.80	1016	0.0000 608		1254 0.5
14.17	13.42	1016	0.0000 608		1254 0.5
14.35	48.61	1016	0.0000 608		1254 0.5
14.48	15.09	1016	0.0000 608		1254 0.5
14.58	7.76	1016	0.0000 608		1254 0.5
14.67	63.70	1016	0.0000 608		1254 0.5
14.87	36.32	1016	0.0000 608		1254 0.5
15.07	2.94 -		0.0000 608		1254 0.5
15.27	22.22 -		0.0000 608		1254 0.5
15.44	6.19 -		0.0000 608		1254 0.5
15.63	704.89	1260 TOTAL	0.2988 608		1254 0.5
15.63	30.24	1260	0.0000 608		1254 0.5
15.84	51.19	1260	0.0000 608		1254 0.5
16.01	18.28	1260	0.0000 608		1254 0.5
16.16	100.06	1260	0.0000 608		1254 0.5
16.30	10.93	1260	0.0000 608		1254 0.5
44	17.09	1260	0.0000 608		1254 0.5
54	70.92	1260	0.0000 608		1254 0.5
16.72	43.36	1260	0.0000 608		1254 0.5
16.91	10.79	1260	0.0000 608		1254 0.5
17.11	51.28	1260	0.0000 608		1254 0.5
17.34	4.40	1260	0.0000 608		1254 0.5
17.68	17.97	1260	0.0000 608		1254 0.5
17.83	64.49	1260	0.0000 608		1254 0.5
17.98	9.19	1260	0.0000 608		1254 0.5
18.20	28.95	1260	0.0000 608		1254 0.5
18.32	73.65	1260	0.0000 608		1254 0.5
18.50	5.70	1260	0.0000 608		1254 0.5
18.69	16.35	1260	0.0000 608		1254 0.5
18.80	7.34	1260	0.0000 608		1254 0.5
19.08	2.08	1260	0.0000 608		1254 0.5
19.24	1.18	1260	0.0000 608		1254 0.5
19.51	27.52	1260	0.0000 608		1254 0.5
19.77	17.08	1260	0.0000 608		1254 0.5
20.03	14.55	1260	0.0000 608		1254 0.5
21.15	1.52	1260	0.0000 608		1254 0.5
21.29	8.78	1260	0.0000 608		1254 0.5
25.67	234.80	DCB	101.4092 608		1254 0.5
	2675.16		101.9515		

1254

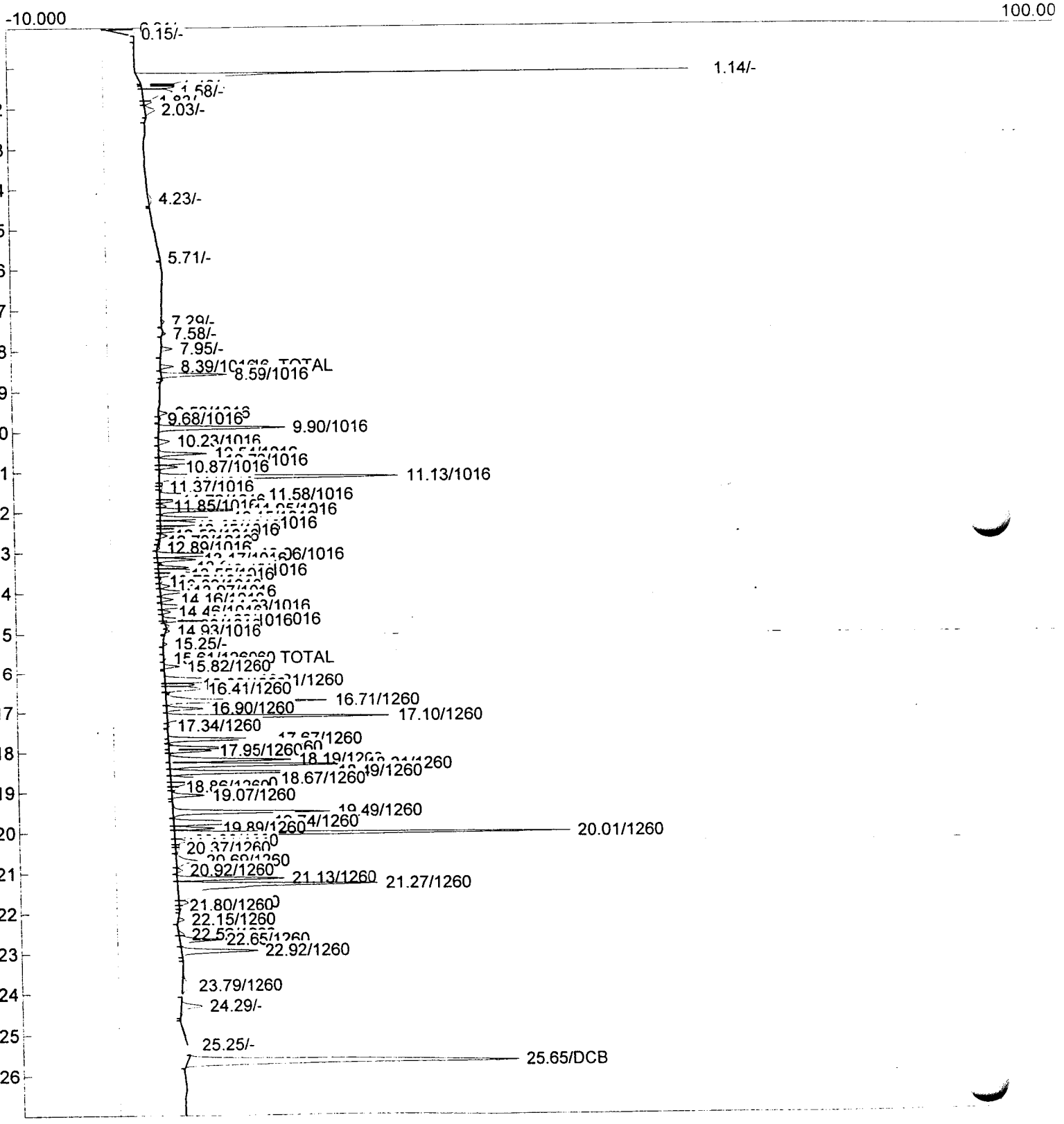
1254 Ref

1254

360.4

-2.9

Lab name: AES
Analysis date: 11/16/2002 20:40:05
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C941.chr ()
Sample: 1660 0.5 CC1
Operator: KEN FULLER

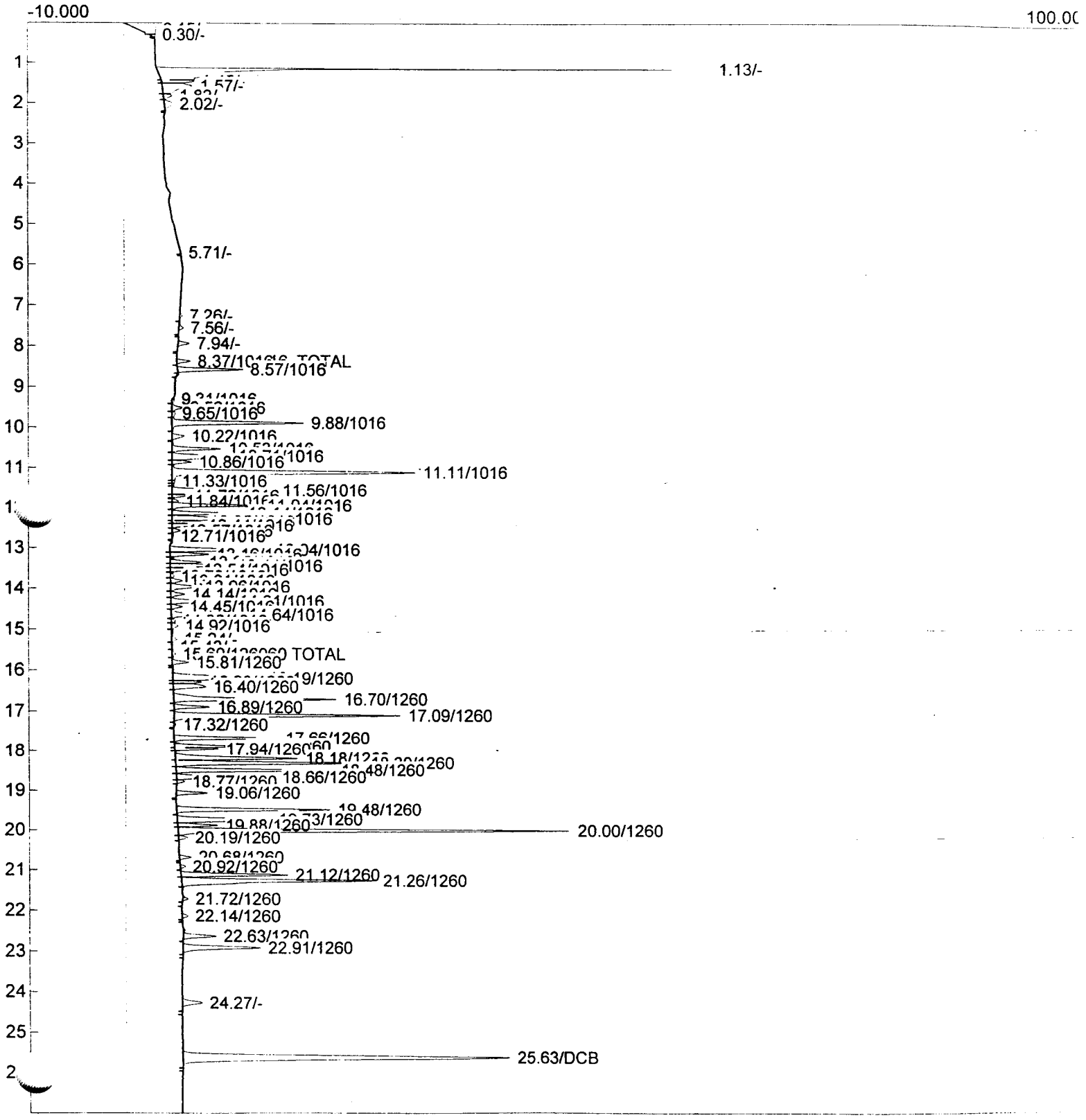


Retention	Area	Component	External	Column	Sample
0.01	6.68 -		0.0000 608		1660 0.5 CC1
0.15	15.06 -		0.0000 608		1660 0.5 CC1
1.14	154.32 -		0.0000 608		1660 0.5 CC1
1.42	9.88 -		0.0000 608		1660 0.5 CC1
1.6	13.36 -		0.0000 608		1660 0.5 CC1
1.8	35.23 -		0.0000 608		1660 0.5 CC1
1.83	4.14 -		0.0000 608		1660 0.5 CC1
2.03	9.61 -		0.0000 608		1660 0.5 CC1
4.23	4.50 -		0.0000 608		1660 0.5 CC1
5.71	2.17 -		0.0000 608		1660 0.5 CC1
7.29	2.02 -		0.0000 608		1660 0.5 CC1
7.58	1.29 -		0.0000 608		1660 0.5 CC1
7.95	5.12 -		0.0000 608		1660 0.5 CC1
8.39	661.76	1016 TOTAL	0.5174 608	+3.5	1660 0.5 CC1
8.39	5.45	1016	0.0000 608		1660 0.5 CC1
8.59	26.74	1016	0.0000 608		1660 0.5 CC1
9.53	4.55	1016	0.0000 608		1660 0.5 CC1
9.68	1.26	1016	0.0000 608		1660 0.5 CC1
9.90	58.37	1016	0.0000 608		1660 0.5 CC1
10.23	6.15	1016	0.0000 608		1660 0.5 CC1
10.54	21.16	1016	0.0000 608		1660 0.5 CC1
10.72	34.17	1016	0.0000 608		1660 0.5 CC1
10.87	7.78	1016	0.0000 608		1660 0.5 CC1
11.13	127.19	1016	0.0000 608		1660 0.5 CC1
11.29	1.53	1016	0.0000 608		1660 0.5 CC1
11.37	1.61	1016	0.0000 608		1660 0.5 CC1
11.58	47.84	1016	0.0000 608		1660 0.5 CC1
11.72	5.94	1016	0.0000 608		1660 0.5 CC1
11.85	2.65	1016	0.0000 608		1660 0.5 CC1
11.95	34.84	1016	0.0000 608		1660 0.5 CC1
12.15	26.62	1016	0.0000 608		1660 0.5 CC1
12.29	33.90	1016	0.0000 608		1660 0.5 CC1
12.36	10.29	1016	0.0000 608		1660 0.5 CC1
12.45	10.92	1016	0.0000 608		1660 0.5 CC1
12.59	3.41	1016	0.0000 608		1660 0.5 CC1
12.73	1.21	1016	0.0000 608		1660 0.5 CC1
12.89	1.17	1016	0.0000 608		1660 0.5 CC1
13.6	42.74	1016	0.0000 608		1660 0.5 CC1
13.7	16.35	1016	0.0000 608		1660 0.5 CC1
13.37	11.48	1016	0.0000 608		1660 0.5 CC1
13.45	24.22	1016	0.0000 608		1660 0.5 CC1
13.55	10.24	1016	0.0000 608		1660 0.5 CC1
13.72	1.59	1016	0.0000 608		1660 0.5 CC1
13.83	4.68	1016	0.0000 608		1660 0.5 CC1
13.97	13.56	1016	0.0000 608		1660 0.5 CC1
14.16	5.23	1016	0.0000 608		1660 0.5 CC1
14.33	23.08	1016	0.0000 608		1660 0.5 CC1
14.46	3.62	1016	0.0000 608		1660 0.5 CC1
14.66	22.89	1016	0.0000 608		1660 0.5 CC1
14.68	4.42	1016	0.0000 608		1660 0.5 CC1
14.80	1.57	1016	0.0000 608		1660 0.5 CC1
14.93	1.35	1016	0.0000 608		1660 0.5 CC1
15.25	1.52 -		0.0000 608		1660 0.5 CC1
15.61	1277.37	1260 TOTAL	0.5415 608	+8.3	1660 0.5 CC1
15.61	1.40	1260	0.0000 608		1660 0.5 CC1
15.82	6.13	1260	0.0000 608		1660 0.5 CC1
16.21	50.84	1260	0.0000 608		1660 0.5 CC1
16.30	11.74	1260	0.0000 608		1660 0.5 CC1
16.41	23.12	1260	0.0000 608		1660 0.5 CC1
16.71	75.35	1260	0.0000 608		1660 0.5 CC1
16.90	15.87	1260	0.0000 608		1660 0.5 CC1
17.10	96.11	1260	0.0000 608		1660 0.5 CC1
17.34	1.07	1260	0.0000 608		1660 0.5 CC1
17.67	42.75	1260	0.0000 608		1660 0.5 CC1
17.88	25.90	1260	0.0000 608		1660 0.5 CC1
17.95	16.07	1260	0.0000 608		1660 0.5 CC1
18.19	59.44	1260	0.0000 608		1660 0.5 CC1
18.31	83.01	1260	0.0000 608		1660 0.5 CC1
18.49	67.77	1260	0.0000 608		1660 0.5 CC1
18.67	46.59	1260	0.0000 608		1660 0.5 CC1
18.9	8.42	1260	0.0000 608		1660 0.5 CC1
19.06	3.18	1260	0.0000 608		1660 0.5 CC1
19.07	13.95	1260	0.0000 608		1660 0.5 CC1
19.49	70.81	1260	0.0000 608		1660 0.5 CC1
19.74	54.60	1260	0.0000 608		1660 0.5 CC1
19.89	16.28	1260	0.0000 608		1660 0.5 CC1
20.01	171.90	1260	0.0000 608		1660 0.5 CC1
20.20	6.88	1260	0.0000 608		1660 0.5 CC1

20.29	1.62	1260	0.0000	608
20.37	2.80	1260	0.0000	608
20.69	18.29	1260	0.0000	608
20.92	2.90	1260	0.0000	608
21.13	47.49	1260	0.0000	608
21.27	141.34	1260	0.0000	608
21.72	5.45	1260	0.0000	608
21.80	1.48	1260	0.0000	608
22.15	2.85	1260	0.0000	608
22.52	3.14	1260	0.0000	608
22.65	24.95	1260	0.0000	608
22.92	41.22	1260	0.0000	608
23.79	14.66	1260	0.0000	608
24.29	15.70	-	0.0000	608
25.25	13.26	-	0.0000	608
25.65	231.23	DCB	100.4148	608
	4403.34		101.4737	

1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1
1660 0.5 CC1

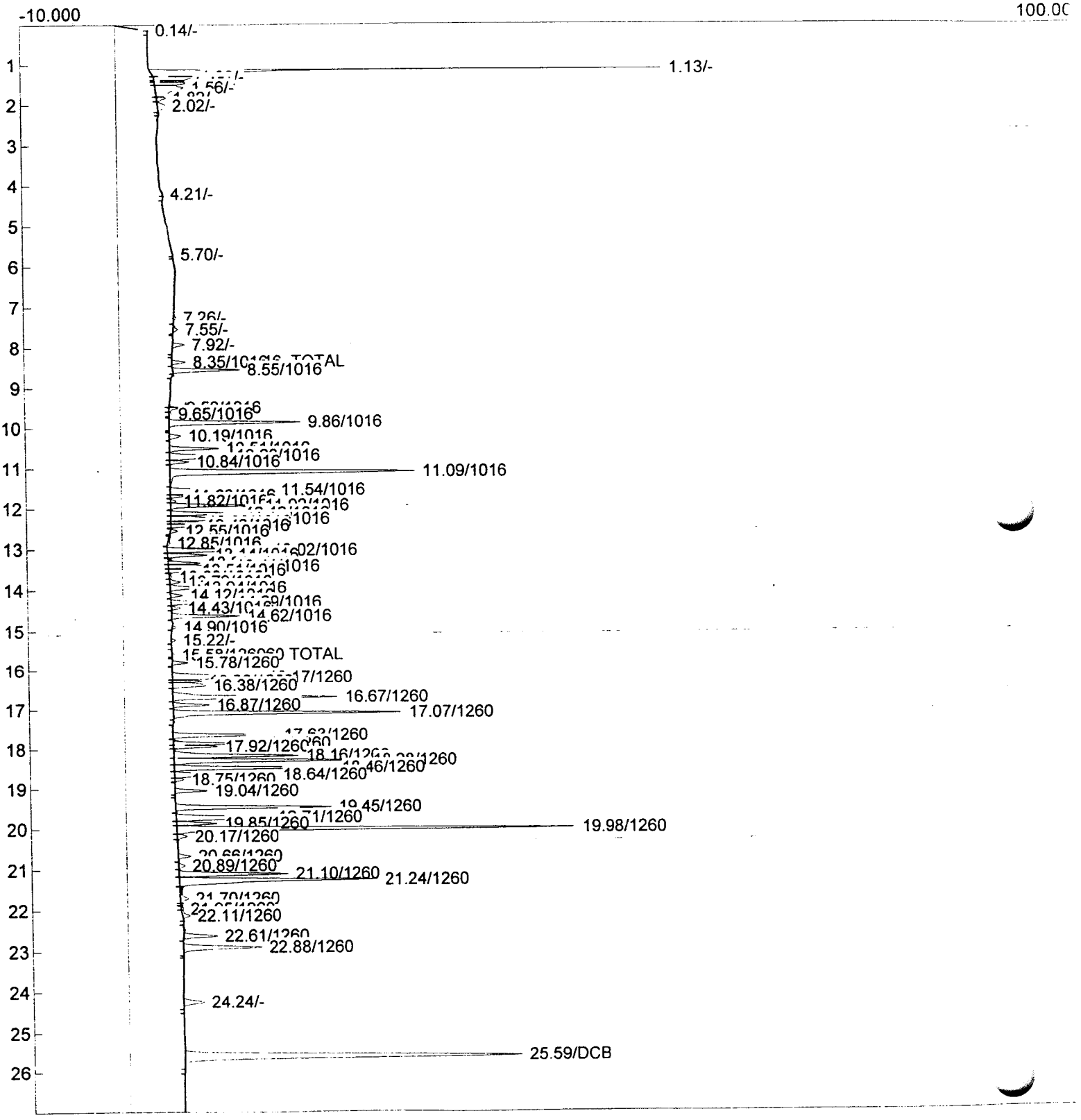
Lab name: AES
Analysis date: 11/17/2002 03:06:55
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C950.chr ()
Sample: 1660 0.5 CC2
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.15	34.32 -		0.0000 608		1660 0.5
0.30	2.01 -		0.0000 608		1660 0.5
1.13	157.63 -		0.0000 608		1660 0.5
1.45	14.26 -		0.0000 608		1660 0.5
1.57	31.42 -		0.0000 608		1660 0.5
1.82	5.12 -		0.0000 608		1660 0.5
2.02	7.79 -		0.0000 608		1660 0.5
5.71	1.78 -		0.0000 608		1660 0.5
7.26	1.84 -		0.0000 608		1660 0.5
7.56	3.00 -		0.0000 608		1660 0.5
7.94	5.37 -		0.0000 608		1660 0.5
8.37	704.45	1016 TOTAL	0.5508 608		1660 0.5
8.37	5.60	1016	0.0000 608	+ 11.6	1660 0.5
8.57	27.29	1016	0.0000 608		1660 0.5
9.31	1.46	1016	0.0000 608		1660 0.5
9.52	6.33	1016	0.0000 608		1660 0.5
9.65	2.81	1016	0.0000 608		1660 0.5
9.88	63.12	1016	0.0000 608		1660 0.5
10.22	7.30	1016	0.0000 608		1660 0.5
10.53	21.72	1016	0.0000 608		1660 0.5
10.71	35.55	1016	0.0000 608		1660 0.5
10.86	8.44	1016	0.0000 608		1660 0.5
11.11	133.02	1016	0.0000 608		1660 0.5
11.33	1.43	1016	0.0000 608		1660 0.5
11.56	48.74	1016	0.0000 608		1660 0.5
11.70	5.85	1016	0.0000 608		1660 0.5
11.84	2.63	1016	0.0000 608		1660 0.5
11.94	36.27	1016	0.0000 608		1660 0.5
12.14	27.80	1016	0.0000 608		1660 0.5
12.27	35.26	1016	0.0000 608		1660 0.5
12.35	10.67	1016	0.0000 608		1660 0.5
12.44	11.90	1016	0.0000 608		1660 0.5
12.57	3.94	1016	0.0000 608		1660 0.5
12.71	1.10	1016	0.0000 608		1660 0.5
13.04	43.22	1016	0.0000 608		1660 0.5
13.16	16.92	1016	0.0000 608		1660 0.5
13.35	11.91	1016	0.0000 608		1660 0.5
13.44	25.02	1016	0.0000 608		1660 0.5
13.54	10.97	1016	0.0000 608		1660 0.5
13.70	2.18	1016	0.0000 608		1660 0.5
13.81	5.89	1016	0.0000 608		1660 0.5
13.96	15.71	1016	0.0000 608		1660 0.5
14.14	6.85	1016	0.0000 608		1660 0.5
14.31	25.52	1016	0.0000 608		1660 0.5
14.45	5.22	1016	0.0000 608		1660 0.5
14.64	30.34	1016	0.0000 608		1660 0.5
14.80	2.29	1016	0.0000 608		1660 0.5
14.92	4.19	1016	0.0000 608		1660 0.5
15.24	3.08 -		0.0000 608		1660 0.5
15.43	1.17 -		0.0000 608		1660 0.5
15.60	1157.54	1260 TOTAL	0.4907 608	- 2	1660 0.5
15.60	2.60	1260	0.0000 608		1660 0.5
15.81	7.55	1260	0.0000 608		1660 0.5
16.19	51.76	1260	0.0000 608		1660 0.5
16.28	10.80	1260	0.0000 608		1660 0.5
16.40	21.00	1260	0.0000 608		1660 0.5
16.70	73.45	1260	0.0000 608		1660 0.5
16.89	14.43	1260	0.0000 608		1660 0.5
17.09	97.03	1260	0.0000 608		1660 0.5
17.32	1.02	1260	0.0000 608		1660 0.5
17.66	42.56	1260	0.0000 608		1660 0.5
17.87	26.32	1260	0.0000 608		1660 0.5
17.94	16.49	1260	0.0000 608		1660 0.5
18.18	59.44	1260	0.0000 608		1660 0.5
18.30	82.29	1260	0.0000 608		1660 0.5
18.48	65.06	1260	0.0000 608		1660 0.5
18.66	41.09	1260	0.0000 608		1660 0.5
18.77	3.24	1260	0.0000 608		1660 0.5
19.06	12.95	1260	0.0000 608		1660 0.5
19.48	65.92	1260	0.0000 608		1660 0.5
19.73	55.70	1260	0.0000 608		1660 0.5
19.88	16.23	1260	0.0000 608		1660 0.5
20.00	168.01	1260	0.0000 608		1660 0.5
20.19	4.29	1260	0.0000 608		1660 0.5
20.68	5.23	1260	0.0000 608		1660 0.5
20.92	2.31	1260	0.0000 608		1660 0.5
21.12	46.77	1260	0.0000 608		1660 0.5
21.26	102.17	1260	0.0000 608		1660 0.5

21.72	2.15	1260		0.0000 608	1660 0.5
22.14	2.88	1260		0.0000 608	1660 0.5
22.63	15.76	1260		0.0000 608	1660 0.5
22.91	41.07	1260		0.0000 608	1660 0.5
24.27	12.37	-		0.0000 608	1660 0.5
25.63	232.25	DCB	0,00	100.8583 608	1660 0.5
	4237.40			101.8998	

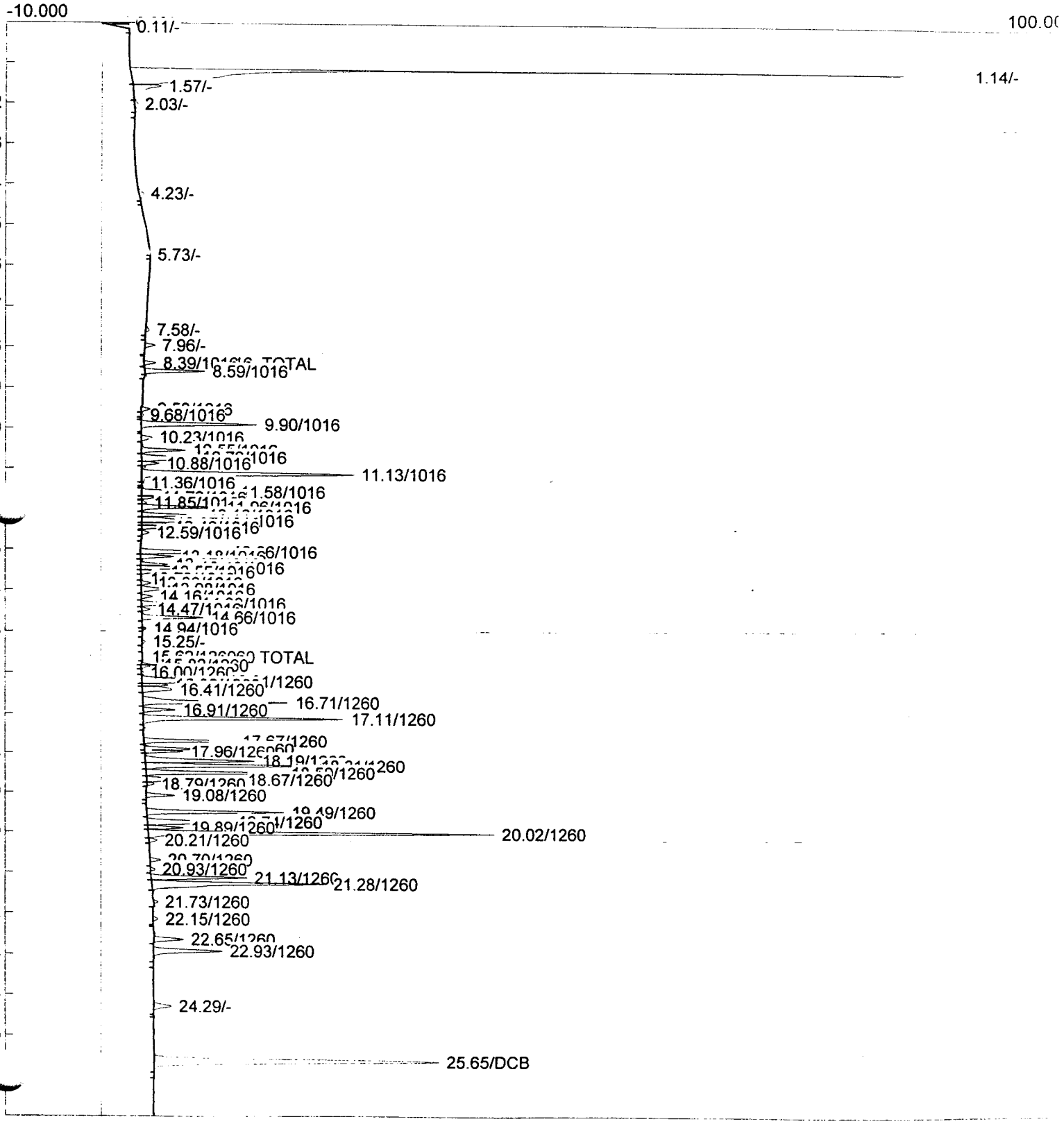
Lab name: AES
Analysis date: 11/17/2002 08:50:48
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C958.CHR ()
Sample: 1660 0.5 CC3
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.14	14.52 -		0.0000 608		1660 0.5 CC3
1.13	113.35 -		0.0000 608		1660 0.5 CC3
1.30	22.04 -		0.0000 608		1660 0.5 CC3
1.40	8.90 -		0.0000 608		1660 0.5 CC3
45	13.54 -		0.0000 608		1660 0.5 CC3
56	31.77 -		0.0000 608		1660 0.5 CC3
82	4.38 -		0.0000 608		1660 0.5 CC3
2.02	7.55 -		0.0000 608		1660 0.5 CC3
4.21	1.03 -		0.0000 608		1660 0.5 CC3
5.70	1.35 -		0.0000 608		1660 0.5 CC3
7.26	1.72 -		0.0000 608		1660 0.5 CC3
7.55	2.95 -		0.0000 608		1660 0.5 CC3
7.92	5.74 -		0.0000 608		1660 0.5 CC3
8.35	673.15	1016 TOTAL	0.5263 608		1660 0.5 CC3
8.35	5.70	1016	0.0000 608	+ 5.4	1660 0.5 CC3
8.55	27.90	1016	0.0000 608		1660 0.5 CC3
9.48	1.32	1016	0.0000 608		1660 0.5 CC3
9.50	3.73	1016	0.0000 608		1660 0.5 CC3
9.65	1.35	1016	0.0000 608		1660 0.5 CC3
9.86	61.37	1016	0.0000 608		1660 0.5 CC3
10.19	6.22	1016	0.0000 608		1660 0.5 CC3
10.51	20.84	1016	0.0000 608		1660 0.5 CC3
10.68	34.92	1016	0.0000 608		1660 0.5 CC3
10.84	7.80	1016	0.0000 608		1660 0.5 CC3
11.09	134.31	1016	0.0000 608		1660 0.5 CC3
11.54	48.29	1016	0.0000 608		1660 0.5 CC3
11.68	5.29	1016	0.0000 608		1660 0.5 CC3
11.82	2.03	1016	0.0000 608		1660 0.5 CC3
11.92	35.64	1016	0.0000 608		1660 0.5 CC3
12.12	27.01	1016	0.0000 608		1660 0.5 CC3
12.25	34.75	1016	0.0000 608		1660 0.5 CC3
12.33	10.18	1016	0.0000 608		1660 0.5 CC3
12.42	10.66	1016	0.0000 608		1660 0.5 CC3
12.55	2.99	1016	0.0000 608		1660 0.5 CC3
12.85	1.64	1016	0.0000 608		1660 0.5 CC3
13.02	44.06	1016	0.0000 608		1660 0.5 CC3
13.14	17.12	1016	0.0000 608		1660 0.5 CC3
33	12.22	1016	0.0000 608		1660 0.5 CC3
41	25.11	1016	0.0000 608		1660 0.5 CC3
13.51	10.56	1016	0.0000 608		1660 0.5 CC3
13.68	1.45	1016	0.0000 608		1660 0.5 CC3
13.79	4.81	1016	0.0000 608		1660 0.5 CC3
13.94	13.43	1016	0.0000 608		1660 0.5 CC3
14.12	4.79	1016	0.0000 608		1660 0.5 CC3
14.29	23.48	1016	0.0000 608		1660 0.5 CC3
14.43	3.23	1016	0.0000 608		1660 0.5 CC3
14.62	27.45	1016	0.0000 608		1660 0.5 CC3
14.90	1.49	1016	0.0000 608		1660 0.5 CC3
15.22	1.79 -		0.0000 608		1660 0.5 CC3
15.58	1190.87	1260 TOTAL	0.5048 608	+ 0.96	1660 0.5 CC3
15.58	1.05	1260	0.0000 608		1660 0.5 CC3
15.78	6.23	1260	0.0000 608		1660 0.5 CC3
16.17	52.02	1260	0.0000 608		1660 0.5 CC3
16.26	10.88	1260	0.0000 608		1660 0.5 CC3
16.38	21.31	1260	0.0000 608		1660 0.5 CC3
16.67	74.48	1260	0.0000 608		1660 0.5 CC3
16.87	14.69	1260	0.0000 608		1660 0.5 CC3
17.07	98.08	1260	0.0000 608		1660 0.5 CC3
17.63	43.20	1260	0.0000 608		1660 0.5 CC3
17.85	26.78	1260	0.0000 608		1660 0.5 CC3
17.92	17.22	1260	0.0000 608		1660 0.5 CC3
18.16	61.12	1260	0.0000 608		1660 0.5 CC3
18.28	83.66	1260	0.0000 608		1660 0.5 CC3
18.46	66.39	1260	0.0000 608		1660 0.5 CC3
18.64	43.28	1260	0.0000 608		1660 0.5 CC3
18.75	3.73	1260	0.0000 608		1660 0.5 CC3
19.04	13.14	1260	0.0000 608		1660 0.5 CC3
19.45	67.17	1260	0.0000 608		1660 0.5 CC3
19.71	56.85	1260	0.0000 608		1660 0.5 CC3
19.85	16.71	1260	0.0000 608		1660 0.5 CC3
08	171.41	1260	0.0000 608		1660 0.5 CC3
17	5.15	1260	0.0000 608		1660 0.5 CC3
20.66	6.74	1260	0.0000 608		1660 0.5 CC3
20.89	3.44	1260	0.0000 608		1660 0.5 CC3
21.10	49.22	1260	0.0000 608		1660 0.5 CC3
21.24	106.23	1260	0.0000 608		1660 0.5 CC3
21.70	6.10	1260	0.0000 608		1660 0.5 CC3
21.95	1.18	1260	0.0000 608		1660 0.5 CC3

22.11	5.27	1260	0.0000 608	1660 0.5 CC3
22.61	16.06	1260	0.0000 608	1660 0.5 CC3
22.88	42.05	1260	0.0000 608	1660 0.5 CC3
24.24	12.50	-	0.0000 608	1660 0.5 CC3
25.59	238.21	DCB	103.4494 608	1660 0.5 CC3
	4209.38		104.4805	

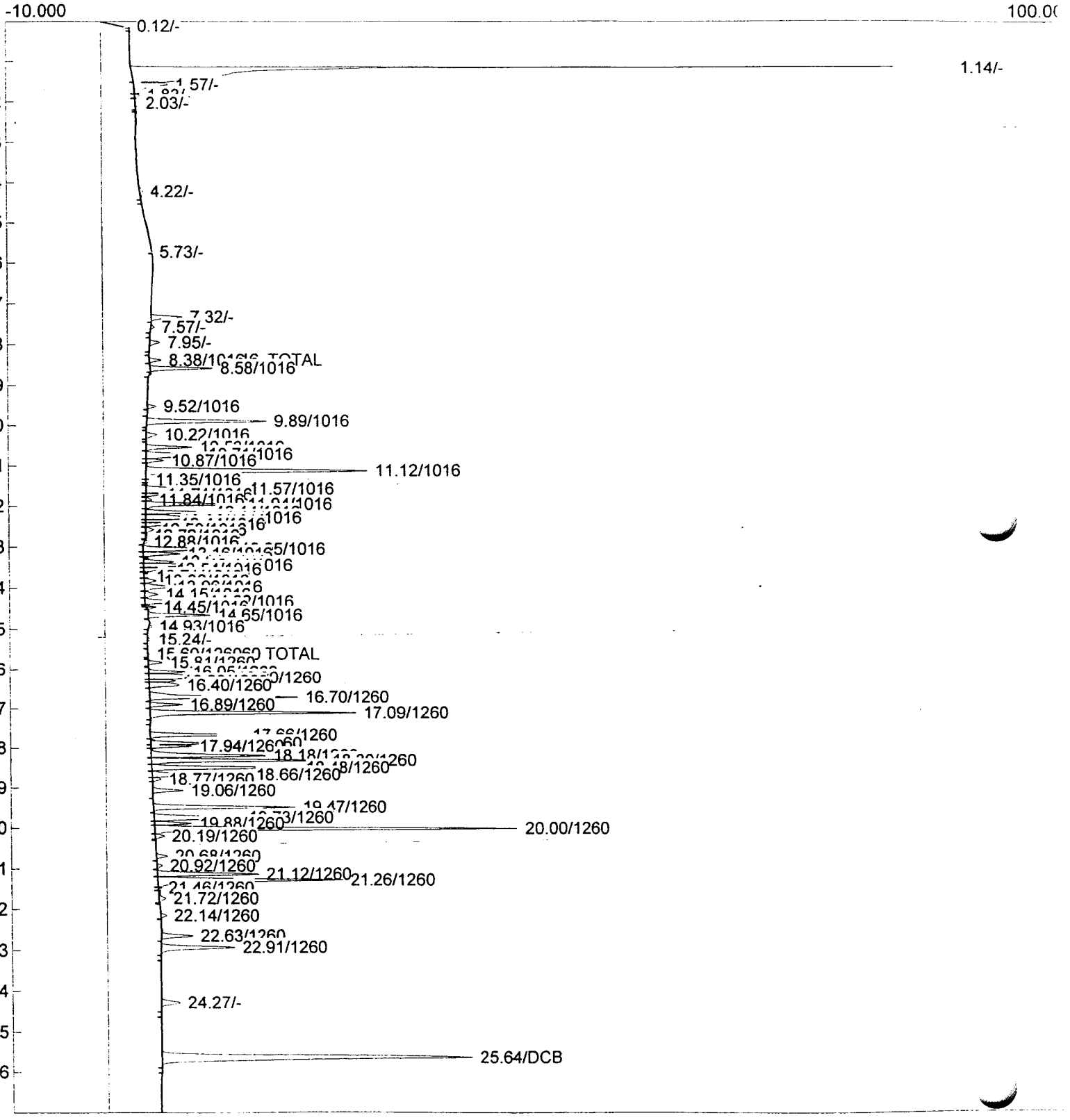
Lab name: AES
Analysis date: 11/19/2002 21:35:53
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C961.chr ()
Sample: 1660 0.5 CC4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.02	6.24 -		0.0000 608		1660 0.5 CC4
0.11	8.73 -		0.0000 608		1660 0.5 CC4
1.14	292.33 -		0.0000 608		1660 0.5 CC4
1.57	27.04 -		0.0000 608		1660 0.5 CC4
2.03	3.51 -		0.0000 608		1660 0.5 CC4
4.23	4.68 -		0.0000 608		1660 0.5 CC4
5.73	3.44 -		0.0000 608		1660 0.5 CC4
7.58	2.63 -		0.0000 608		1660 0.5 CC4
7.96	4.79 -		0.0000 608		1660 0.5 CC4
8.39	596.48	1016 TOTAL	0.0000 608	-6.7	1660 0.5 CC4
8.39	5.10	1016	0.4663 608		1660 0.5 CC4
8.59	24.68	1016	0.0000 608		1660 0.5 CC4
9.53	4.12	1016	0.0000 608		1660 0.5 CC4
9.68	1.28	1016	0.0000 608		1660 0.5 CC4
9.90	54.19	1016	0.0000 608		1660 0.5 CC4
10.23	6.07	1016	0.0000 608		1660 0.5 CC4
10.55	19.18	1016	0.0000 608		1660 0.5 CC4
10.72	31.57	1016	0.0000 608		1660 0.5 CC4
10.88	7.46	1016	0.0000 608		1660 0.5 CC4
11.13	115.90	1016	0.0000 608		1660 0.5 CC4
11.36	1.21	1016	0.0000 608		1660 0.5 CC4
11.58	42.80	1016	0.0000 608		1660 0.5 CC4
11.72	5.13	1016	0.0000 608		1660 0.5 CC4
11.85	1.95	1016	0.0000 608		1660 0.5 CC4
11.96	31.56	1016	0.0000 608		1660 0.5 CC4
12.16	23.81	1016	0.0000 608		1660 0.5 CC4
12.29	31.55	1016	0.0000 608		1660 0.5 CC4
12.37	9.14	1016	0.0000 608		1660 0.5 CC4
12.46	10.32	1016	0.0000 608		1660 0.5 CC4
12.59	3.31	1016	0.0000 608		1660 0.5 CC4
13.06	37.67	1016	0.0000 608		1660 0.5 CC4
13.18	13.87	1016	0.0000 608		1660 0.5 CC4
13.37	10.20	1016	0.0000 608		1660 0.5 CC4
13.46	21.32	1016	0.0000 608		1660 0.5 CC4
13.55	9.31	1016	0.0000 608		1660 0.5 CC4
13.73	1.17	1016	0.0000 608		1660 0.5 CC4
13.83	4.31	1016	0.0000 608		1660 0.5 CC4
13.98	12.34	1016	0.0000 608		1660 0.5 CC4
14.16	4.69	1016	0.0000 608		1660 0.5 CC4
14.33	21.37	1016	0.0000 608		1660 0.5 CC4
14.47	3.40	1016	0.0000 608		1660 0.5 CC4
14.66	25.20	1016	0.0000 608		1660 0.5 CC4
14.94	1.29	1016	0.0000 608		1660 0.5 CC4
15.25	1.59 -		0.0000 608		1660 0.5 CC4
15.62	1045.05	1260 TOTAL	0.4430 608	-11.4	1660 0.5 CC4
15.62	1.25	1260	0.0000 608		1660 0.5 CC4
15.82	2.78	1260	0.0000 608		1660 0.5 CC4
15.82	4.27	1260	0.0000 608		1660 0.5 CC4
16.00	1.50	1260	0.0000 608		1660 0.5 CC4
16.21	47.32	1260	0.0000 608		1660 0.5 CC4
16.30	9.54	1260	0.0000 608		1660 0.5 CC4
16.41	19.96	1260	0.0000 608		1660 0.5 CC4
16.71	66.20	1260	0.0000 608		1660 0.5 CC4
16.91	13.07	1260	0.0000 608		1660 0.5 CC4
17.11	86.32	1260	0.0000 608		1660 0.5 CC4
17.67	37.85	1260	0.0000 608		1660 0.5 CC4
17.88	23.50	1260	0.0000 608		1660 0.5 CC4
17.96	15.22	1260	0.0000 608		1660 0.5 CC4
18.19	53.81	1260	0.0000 608		1660 0.5 CC4
18.31	73.36	1260	0.0000 608		1660 0.5 CC4
18.50	58.04	1260	0.0000 608		1660 0.5 CC4
18.67	40.07	1260	0.0000 608		1660 0.5 CC4
18.79	3.05	1260	0.0000 608		1660 0.5 CC4
19.08	11.74	1260	0.0000 608		1660 0.5 CC4
19.49	59.21	1260	0.0000 608		1660 0.5 CC4
19.74	50.16	1260	0.0000 608		1660 0.5 CC4
19.89	14.57	1260	0.0000 608		1660 0.5 CC4
20.02	149.36	1260	0.0000 608		1660 0.5 CC4
20.21	3.90	1260	0.0000 608		1660 0.5 CC4
20.70	4.97	1260	0.0000 608		1660 0.5 CC4
20.93	2.14	1260	0.0000 608		1660 0.5 CC4
21.13	42.75	1260	0.0000 608		1660 0.5 CC4
21.28	93.05	1260	0.0000 608		1660 0.5 CC4
21.73	1.68	1260	0.0000 608		1660 0.5 CC4
22.15	2.66	1260	0.0000 608		1660 0.5 CC4
22.65	14.33	1260	0.0000 608		1660 0.5 CC4
22.93	37.42	1260	0.0000 608		1660 0.5 CC4
24.29	11.05 -		0.0000 608		1660 0.5 CC4

25.65	204.78 DCB	0.1	88.9321 608	1660 0.5 CC4
	3853.89		89.8415	

Lab name: AES
Analysis date: 11/20/2002 03:58:24
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C970.chr ()
Sample: 1660 0.5 CC5
Operator: KEN FULLER



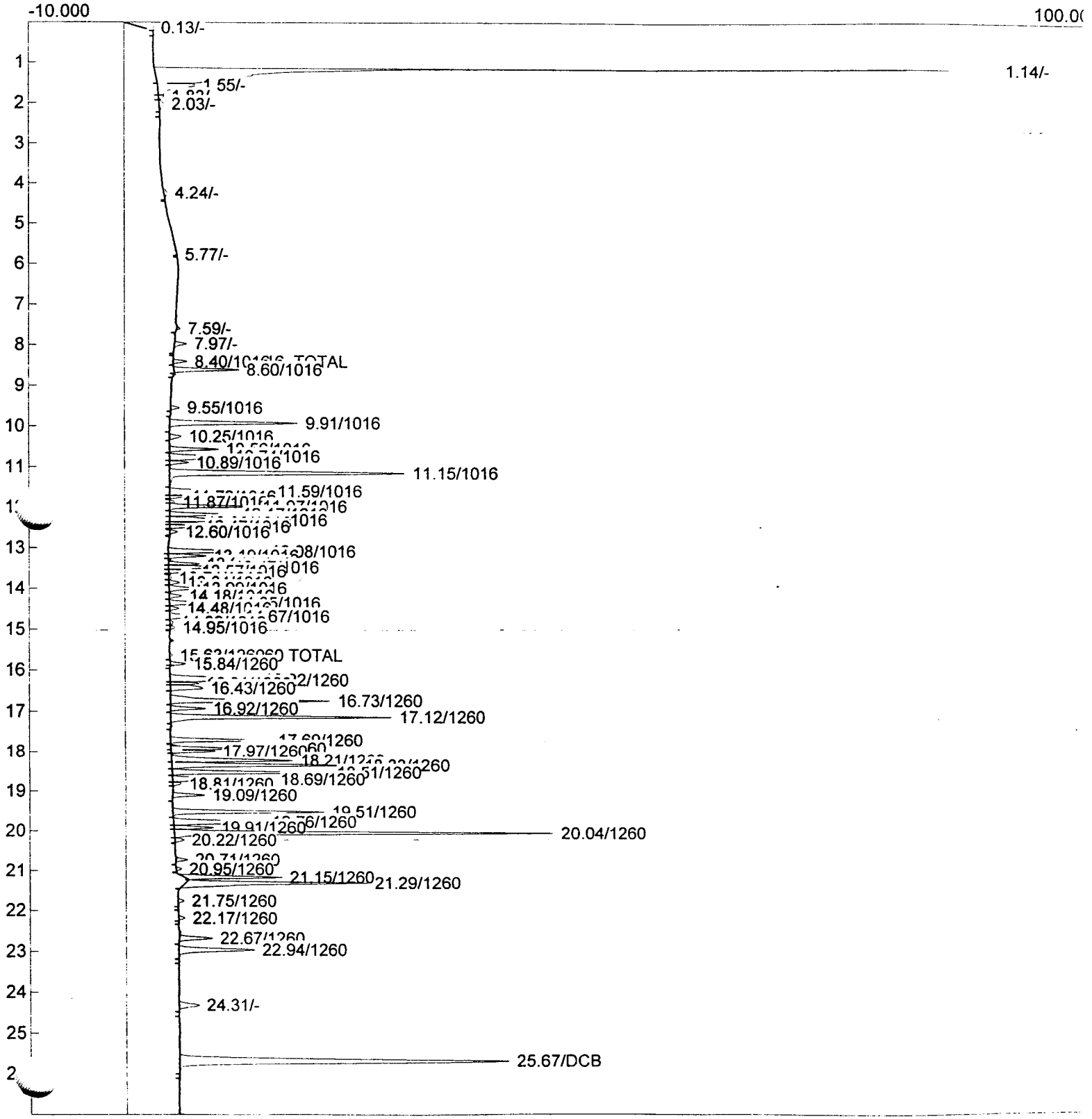
Retention	Area	Component	External	Column	Sample
0.12	15.16 -		0.0000 608		1660 0.5 CC5
1.14	301.49 -		0.0000 608		1660 0.5 CC5
1.57	30.34 -		0.0000 608		1660 0.5 CC5
1.83	2.44 -		0.0000 608		1660 0.5 CC5
2.03	3.41 -		0.0000 608		1660 0.5 CC5
22	3.57 -		0.0000 608		1660 0.5 CC5
6.73	1.11 -		0.0000 608		1660 0.5 CC5
7.32	13.83 -		0.0000 608		1660 0.5 CC5
7.57	2.18 -		0.0000 608		1660 0.5 CC5
7.95	5.49 -		0.0000 608		1660 0.5 CC5
8.38	644.48 1016	TOTAL	0.5039 608		1660 0.5 CC5
8.38	5.04 1016		0.0000 608		1660 0.5 CC5
8.58	26.00 1016		0.0000 608		1660 0.5 CC5
9.52	3.77 1016		0.0000 608		1660 0.5 CC5
9.89	55.49 1016		0.0000 608		1660 0.5 CC5
10.22	5.60 1016		0.0000 608		1660 0.5 CC5
10.53	19.18 1016		0.0000 608		1660 0.5 CC5
10.71	32.35 1016		0.0000 608		1660 0.5 CC5
10.87	7.35 1016		0.0000 608		1660 0.5 CC5
11.12	120.86 1016		0.0000 608		1660 0.5 CC5
11.35	1.26 1016		0.0000 608		1660 0.5 CC5
11.57	44.79 1016		0.0000 608		1660 0.5 CC5
11.71	5.60 1016		0.0000 608		1660 0.5 CC5
11.84	2.37 1016		0.0000 608		1660 0.5 CC5
11.94	38.96 1016		0.0000 608		1660 0.5 CC5
12.14	25.46 1016		0.0000 608		1660 0.5 CC5
12.28	32.96 1016		0.0000 608		1660 0.5 CC5
12.36	10.08 1016		0.0000 608		1660 0.5 CC5
12.44	10.96 1016		0.0000 608		1660 0.5 CC5
12.58	4.06 1016		0.0000 608		1660 0.5 CC5
12.72	1.07 1016		0.0000 608		1660 0.5 CC5
12.88	1.33 1016		0.0000 608		1660 0.5 CC5
13.05	40.44 1016		0.0000 608		1660 0.5 CC5
13.16	16.26 1016		0.0000 608		1660 0.5 CC5
13.36	11.95 1016		0.0000 608		1660 0.5 CC5
13.44	23.96 1016		0.0000 608		1660 0.5 CC5
13.54	10.93 1016		0.0000 608		1660 0.5 CC5
13.71	2.96 1016		0.0000 608		1660 0.5 CC5
13.82	6.18 1016		0.0000 608		1660 0.5 CC5
13.96	15.26 1016		0.0000 608		1660 0.5 CC5
14.15	6.98 1016		0.0000 608		1660 0.5 CC5
14.32	24.17 1016		0.0000 608		1660 0.5 CC5
14.44	2.02 1016		0.0000 608		1660 0.5 CC5
14.45	2.50 1016		0.0000 608		1660 0.5 CC5
14.65	24.99 1016		0.0000 608		1660 0.5 CC5
14.93	1.33 1016		0.0000 608		1660 0.5 CC5
15.24	1.67 -		0.0000 608		1660 0.5 CC5
15.60	1099.07 1260	TOTAL	0.4659 608		1660 0.5 CC5
15.60	1.05 1260		0.0000 608		1660 0.5 CC5
15.81	5.73 1260		0.0000 608		1660 0.5 CC5
16.05	14.67 1260		0.0000 608		1660 0.5 CC5
16.20	47.21 1260		0.0000 608		1660 0.5 CC5
16.29	9.86 1260		0.0000 608		1660 0.5 CC5
16.40	19.32 1260		0.0000 608		1660 0.5 CC5
16.70	66.58 1260		0.0000 608		1660 0.5 CC5
16.89	13.16 1260		0.0000 608		1660 0.5 CC5
17.09	88.18 1260		0.0000 608		1660 0.5 CC5
17.66	39.15 1260		0.0000 608		1660 0.5 CC5
17.87	24.14 1260		0.0000 608		1660 0.5 CC5
17.94	15.77 1260		0.0000 608		1660 0.5 CC5
18.18	55.82 1260		0.0000 608		1660 0.5 CC5
18.30	76.14 1260		0.0000 608		1660 0.5 CC5
18.48	60.83 1260		0.0000 608		1660 0.5 CC5
18.66	41.17 1260		0.0000 608		1660 0.5 CC5
18.77	3.86 1260		0.0000 608		1660 0.5 CC5
19.06	13.50 1260		0.0000 608		1660 0.5 CC5
19.47	60.99 1260		0.0000 608		1660 0.5 CC5
19.73	51.53 1260		0.0000 608		1660 0.5 CC5
19.88	15.06 1260		0.0000 608		1660 0.5 CC5
20.00	155.76 1260		0.0000 608		1660 0.5 CC5
20.19	4.61 1260		0.0000 608		1660 0.5 CC5
20.68	5.42 1260		0.0000 608		1660 0.5 CC5
20.92	2.90 1260		0.0000 608		1660 0.5 CC5
21.12	45.00 1260		0.0000 608		1660 0.5 CC5
21.26	99.67 1260		0.0000 608		1660 0.5 CC5
21.46	1.18 1260		0.0000 608		1660 0.5 CC5
21.72	4.25 1260		0.0000 608		1660 0.5 CC5
22.14	2.60 1260		0.0000 608		1660 0.5 CC5

+0.8 +0.008

-6.6

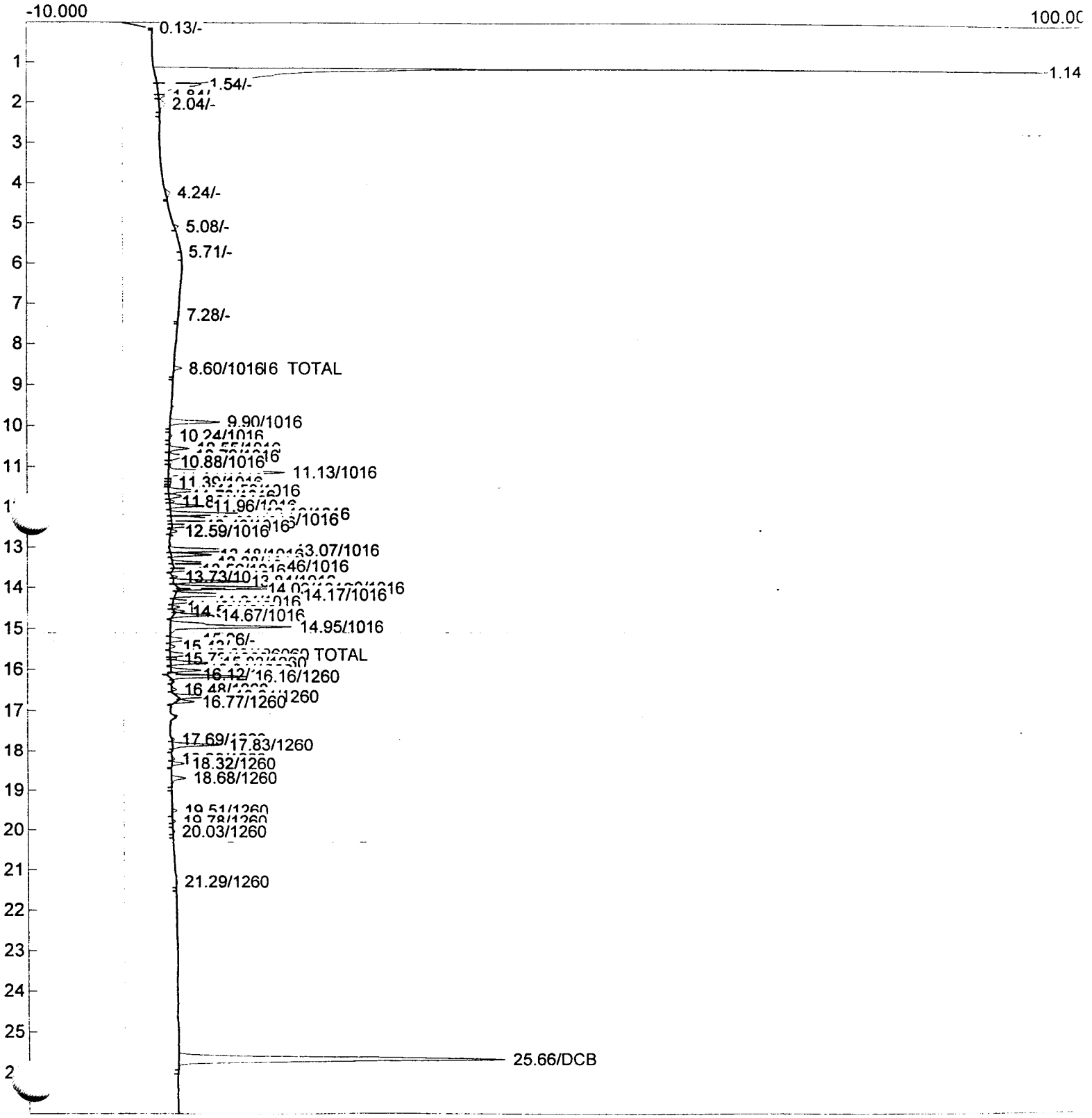
22.63	14.99	1260		0.0000 608	1660 0.5 CC5
22.91	38.96	1260		0.0000 608	1660 0.5 CC5
24.27	11.68	-		0.0000 608	1660 0.5 CC5
25.64	219.64	DCB	0,1	95.3838 608	1660 0.5 CC5
	4099.10			96.3536	

Lab name: AES
Analysis date: 11/20/2002 09:42:18
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C978.chr ()
Sample: 1660 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	19.57 -		0.0000 608	1660 0.5	
1.14	303.04 -		0.0000 608	1660 0.5	
1.55	33.02 -		0.0000 608	1660 0.5	
1.83	2.84 -		0.0000 608	1660 0.5	
2.03	4.86 -		0.0000 608	1660 0.5	
4.24	3.72 -		0.0000 608	1660 0.5	
5.77	1.18 -		0.0000 608	1660 0.5	
7.59	1.31 -		0.0000 608	1660 0.5	
7.97	5.73 -		0.0000 608	1660 0.5	
8.40	649.21	1016 TOTAL	0.5076 608	1660 0.5	
8.40	5.62	1016	0.0000 608	1660 0.5	
8.60	27.01	1016	0.0000 608	1660 0.5	
9.55	3.71	1016	0.0000 608	1660 0.5	
9.91	59.32	1016	0.0000 608	1660 0.5	
10.25	6.14	1016	0.0000 608	1660 0.5	
10.56	20.18	1016	0.0000 608	1660 0.5	
10.74	33.57	1016	0.0000 608	1660 0.5	
10.89	7.64	1016	0.0000 608	1660 0.5	
11.15	128.03	1016	0.0000 608	1660 0.5	
11.59	46.80	1016	0.0000 608	1660 0.5	
11.73	5.18	1016	0.0000 608	1660 0.5	
11.87	1.90	1016	0.0000 608	1660 0.5	
11.97	34.12	1016	0.0000 608	1660 0.5	
12.17	25.81	1016	0.0000 608	1660 0.5	
12.31	33.92	1016	0.0000 608	1660 0.5	
12.38	9.68	1016	0.0000 608	1660 0.5	
12.47	10.95	1016	0.0000 608	1660 0.5	
12.60	3.04	1016	0.0000 608	1660 0.5	
13.08	41.68	1016	0.0000 608	1660 0.5	
13.19	15.48	1016	0.0000 608	1660 0.5	
13.39	11.17	1016	0.0000 608	1660 0.5	
13.47	23.78	1016	0.0000 608	1660 0.5	
13.57	10.00	1016	0.0000 608	1660 0.5	
13.74	1.62	1016	0.0000 608	1660 0.5	
13.84	4.76	1016	0.0000 608	1660 0.5	
13.99	13.40	1016	0.0000 608	1660 0.5	
14.18	5.35	1016	0.0000 608	1660 0.5	
14.35	23.70	1016	0.0000 608	1660 0.5	
14.48	3.95	1016	0.0000 608	1660 0.5	
14.67	27.60	1016	0.0000 608	1660 0.5	
14.82	2.01	1016	0.0000 608	1660 0.5	
14.95	2.08	1016	0.0000 608	1660 0.5	
15.63	1118.56	1260 TOTAL	0.4742 608	1660 0.5	
15.63	1.48	1260	0.0000 608	1660 0.5	
15.84	5.67	1260	0.0000 608	1660 0.5	
16.22	50.24	1260	0.0000 608	1660 0.5	
16.31	10.37	1260	0.0000 608	1660 0.5	
16.43	20.21	1260	0.0000 608	1660 0.5	
16.73	71.22	1260	0.0000 608	1660 0.5	
16.92	13.97	1260	0.0000 608	1660 0.5	
17.12	94.87	1260	0.0000 608	1660 0.5	
17.69	41.68	1260	0.0000 608	1660 0.5	
17.90	25.86	1260	0.0000 608	1660 0.5	
17.97	16.60	1260	0.0000 608	1660 0.5	
18.21	58.68	1260	0.0000 608	1660 0.5	
18.33	81.29	1260	0.0000 608	1660 0.5	
18.51	64.76	1260	0.0000 608	1660 0.5	
18.69	43.21	1260	0.0000 608	1660 0.5	
18.81	3.63	1260	0.0000 608	1660 0.5	
19.09	13.15	1260	0.0000 608	1660 0.5	
19.51	64.39	1260	0.0000 608	1660 0.5	
19.76	54.34	1260	0.0000 608	1660 0.5	
19.91	15.88	1260	0.0000 608	1660 0.5	
20.04	163.70	1260	0.0000 608	1660 0.5	
20.22	4.32	1260	0.0000 608	1660 0.5	
20.71	4.69	1260	0.0000 608	1660 0.5	
20.95	2.37	1260	0.0000 608	1660 0.5	
21.15	40.31	1260	0.0000 608	1660 0.5	
21.29	88.95	1260	0.0000 608	1660 0.5	
21.75	3.01	1260	0.0000 608	1660 0.5	
22.17	2.79	1260	0.0000 608	1660 0.5	
22.67	15.77	1260	0.0000 608	1660 0.5	
22.94	41.17	1260	0.0000 608	1660 0.5	
24.31	12.54 -		0.0000 608	1660 0.5	
25.67	232.68	DCB 0.2	101.0453 608	1660 0.5	
	4156.01		102.0271		

Lab name: AES
Analysis date: 11/20/2002 13:17:15
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C983.chr ()
Sample: 1248 0.5
Operator: KEN FULLER

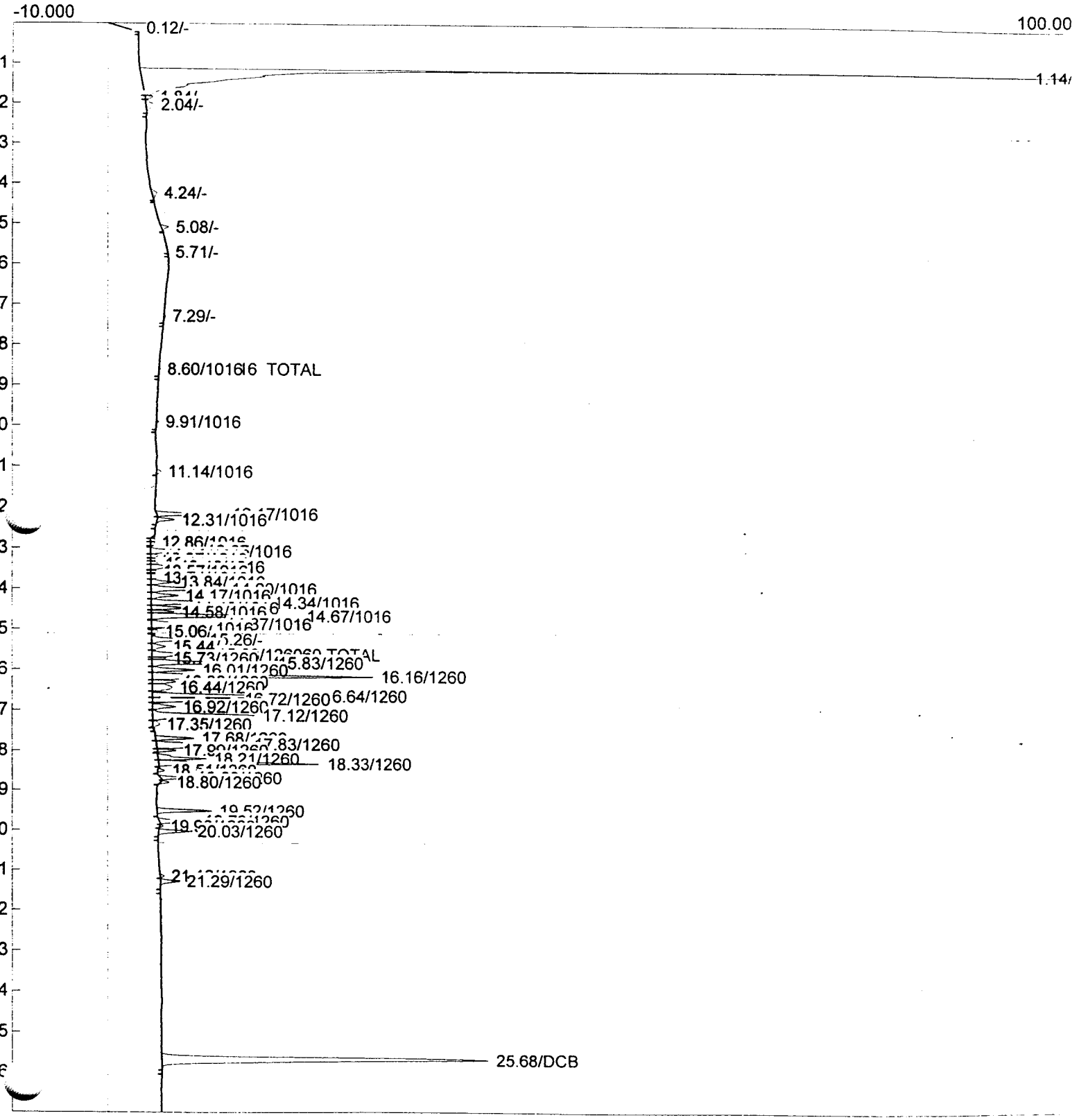


Retention	Area	Component	External	Column	Sample
0.13	14.06 -		0.0000 608		1248 0.5
1.14	375.59 -		0.0000 608		1248 0.5
1.54	38.91 -		0.0000 608		1248 0.5
1.84	3.43 -		0.0000 608		1248 0.5
2.04	6.58 -		0.0000 608		1248 0.5
4.24	4.32 -		0.0000 608		1248 0.5
5.08	1.94 -		0.0000 608		1248 0.5
5.71	1.16 -		0.0000 608		1248 0.5
7.28	1.07 -		0.0000 608		1248 0.5
8.60	613.04	1016 TOTAL	0.4793 608		1248 0.5
8.60	3.76	1016	0.0000 608		1248 0.5
9.90	23.20	1016	0.0000 608		1248 0.5
10.24	1.36	1016	0.0000 608		1248 0.5
10.55	8.84	1016	0.0000 608		1248 0.5
10.73	11.72	1016	0.0000 608		1248 0.5
10.88	2.19	1016	0.0000 608		1248 0.5
11.13	67.38	1016	0.0000 608		1248 0.5
11.31	1.36	1016	0.0000 608		1248 0.5
11.39	1.34	1016	0.0000 608		1248 0.5
11.58	17.91	1016	0.0000 608		1248 0.5
11.73	6.75	1016	0.0000 608		1248 0.5
11.86	2.04	1016	0.0000 608		1248 0.5
11.96	13.96	1016	0.0000 608		1248 0.5
12.16	34.73	1016	0.0000 608		1248 0.5
12.30	36.50	1016	0.0000 608		1248 0.5
12.38	11.66	1016	0.0000 608		1248 0.5
12.46	9.82	1016	0.0000 608		1248 0.5
12.59	2.45	1016	0.0000 608		1248 0.5
13.07	50.28	1016	0.0000 608		1248 0.5
13.18	15.90	1016	0.0000 608		1248 0.5
13.38	12.88	1016	0.0000 608		1248 0.5
13.46	33.39	1016	0.0000 608		1248 0.5
13.56	7.79	1016	0.0000 608		1248 0.5
13.73	1.57	1016	0.0000 608		1248 0.5
13.84	26.97	1016	0.0000 608		1248 0.5
14.00	48.35	1016	0.0000 608		1248 0.5
14.03	9.04	1016	0.0000 608		1248 0.5
14.17	47.16	1016	0.0000 608		1248 0.5
14.34	13.81	1016	0.0000 608		1248 0.5
14.48	2.61	1016	0.0000 608		1248 0.5
14.58	3.55	1016	0.0000 608		1248 0.5
14.67	15.72	1016	0.0000 608		1248 0.5
14.95	67.06	1016	0.0000 608		1248 0.5
15.26	10.86 -		0.0000 608		1248 0.5
15.43	2.23 -		0.0000 608		1248 0.5
15.63	151.79	1260 TOTAL	0.0643 608		1248 0.5
15.63	12.66	1260	0.0000 608		1248 0.5
15.73	2.45	1260	0.0000 608		1248 0.5
15.83	18.09	1260	0.0000 608		1248 0.5
16.01	12.06	1260	0.0000 608		1248 0.5
16.12	3.68	1260	0.0000 608		1248 0.5
16.16	31.11	1260	0.0000 608		1248 0.5
16.48	2.17	1260	0.0000 608		1248 0.5
16.64	19.52	1260	0.0000 608		1248 0.5
16.77	6.40	1260	0.0000 608		1248 0.5
17.69	1.33	1260	0.0000 608		1248 0.5
17.83	21.87	1260	0.0000 608		1248 0.5
18.20	1.26	1260	0.0000 608		1248 0.5
18.32	4.82	1260	0.0000 608		1248 0.5
18.68	8.28	1260	0.0000 608		1248 0.5
19.51	2.43	1260	0.0000 608		1248 0.5
19.78	1.43	1260	0.0000 608		1248 0.5
20.03	1.10	1260	0.0000 608		1248 0.5
21.29	1.13	1260	0.0000 608		1248 0.5
25.66	230.17	DCB	99.9545 608		1248 0.5
	2219.98		100.4982		

222.28
+ 6.490

0,2

Lab name: AES
Analysis date: 11/20/2002 14:00:15
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C984.chr ()
ample: 1254 0.5
perator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	20.99 -		0.0000 608		1254 0.5
1.14	423.10 -		0.0000 608		1254 0.5
1.84	3.47 -		0.0000 608		1254 0.5
2.04	8.47 -		0.0000 608		1254 0.5
4.24	4.66 -		0.0000 608		1254 0.5
5.08	3.65 -		0.0000 608		1254 0.5
5.71	1.46 -		0.0000 608		1254 0.5
7.29	1.38 -		0.0000 608		1254 0.5
8.60	321.46 1016	TOTAL	0.2513 608		1254 0.5
8.60	1.04 1016		0.0000 608		1254 0.5
9.91	1.25 1016		0.0000 608		1254 0.5
11.14	2.40 1016		0.0000 608		1254 0.5
12.17	26.37 1016		0.0000 608		1254 0.5
12.31	7.02 1016		0.0000 608		1254 0.5
12.72	1.08 1016		0.0000 608		1254 0.5
12.80	2.15 1016		0.0000 608		1254 0.5
12.86	2.51 1016		0.0000 608		1254 0.5
13.07	21.50 1016		0.0000 608		1254 0.5
13.19	3.83 1016		0.0000 608		1254 0.5
13.27	1.99 1016		0.0000 608		1254 0.5
13.38	2.95 1016		0.0000 608		1254 0.5
13.46	10.81 1016		0.0000 608		1254 0.5
13.57	1.93 1016		0.0000 608		1254 0.5
13.74	3.88 1016		0.0000 608		1254 0.5
13.84	11.24 1016		0.0000 608		1254 0.5
14.00	33.45 1016		0.0000 608		1254 0.5
14.17	13.62 1016		0.0000 608		1254 0.5
14.34	48.64 1016		0.0000 608		1254 0.5
14.48	15.08 1016		0.0000 608		1254 0.5
14.58	8.20 1016		0.0000 608		1254 0.5
14.67	63.70 1016		0.0000 608		1254 0.5
14.87	35.80 1016		0.0000 608		1254 0.5
14.98	1.01 1016		0.0000 608		1254 0.5
15.06	3.24 -		0.0000 608		1254 0.5
15.26	23.44 -		0.0000 608		1254 0.5
15.44	7.67 -		0.0000 608		1254 0.5
15.63	671.49 1260	TOTAL	0.2847 608		1254 0.5
15.63	27.06 1260		0.0000 608		1254 0.5
15.73	4.98 1260		0.0000 608		1254 0.5
15.83	51.37 1260		0.0000 608		1254 0.5
16.01	19.42 1260		0.0000 608		1254 0.5
16.16	99.21 1260		0.0000 608		1254 0.5
16.30	11.16 1260		0.0000 608		1254 0.5
16.44	17.98 1260		0.0000 608		1254 0.5
16.64	71.84 1260		0.0000 608		1254 0.5
16.72	41.80 1260		0.0000 608		1254 0.5
16.92	11.47 1260		0.0000 608		1254 0.5
17.12	51.99 1260		0.0000 608		1254 0.5
17.35	5.27 1260		0.0000 608		1254 0.5
17.68	15.89 1260		0.0000 608		1254 0.5
17.83	59.52 1260		0.0000 608		1254 0.5
17.99	7.25 1260		0.0000 608		1254 0.5
18.21	24.33 1260		0.0000 608		1254 0.5
18.33	67.31 1260		0.0000 608		1254 0.5
18.51	2.63 1260		0.0000 608		1254 0.5
18.69	11.63 1260		0.0000 608		1254 0.5
18.80	2.98 1260		0.0000 608		1254 0.5
19.52	23.73 1260		0.0000 608		1254 0.5
19.78	16.86 1260		0.0000 608		1254 0.5
19.90	1.02 1260		0.0000 608		1254 0.5
20.03	14.25 1260		0.0000 608		1254 0.5
21.16	1.60 1260		0.0000 608		1254 0.5
21.29	8.96 1260		0.0000 608		1254 0.5
25.68	228.92 DCB		99.4125 608		1254 0.5
	2716.34		99.9485		

349.87

0.2

RAW QC

DATA

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKU02

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: PBLKU02

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLKU02

Level: (low/med) LOW Date Received: 11/07/02

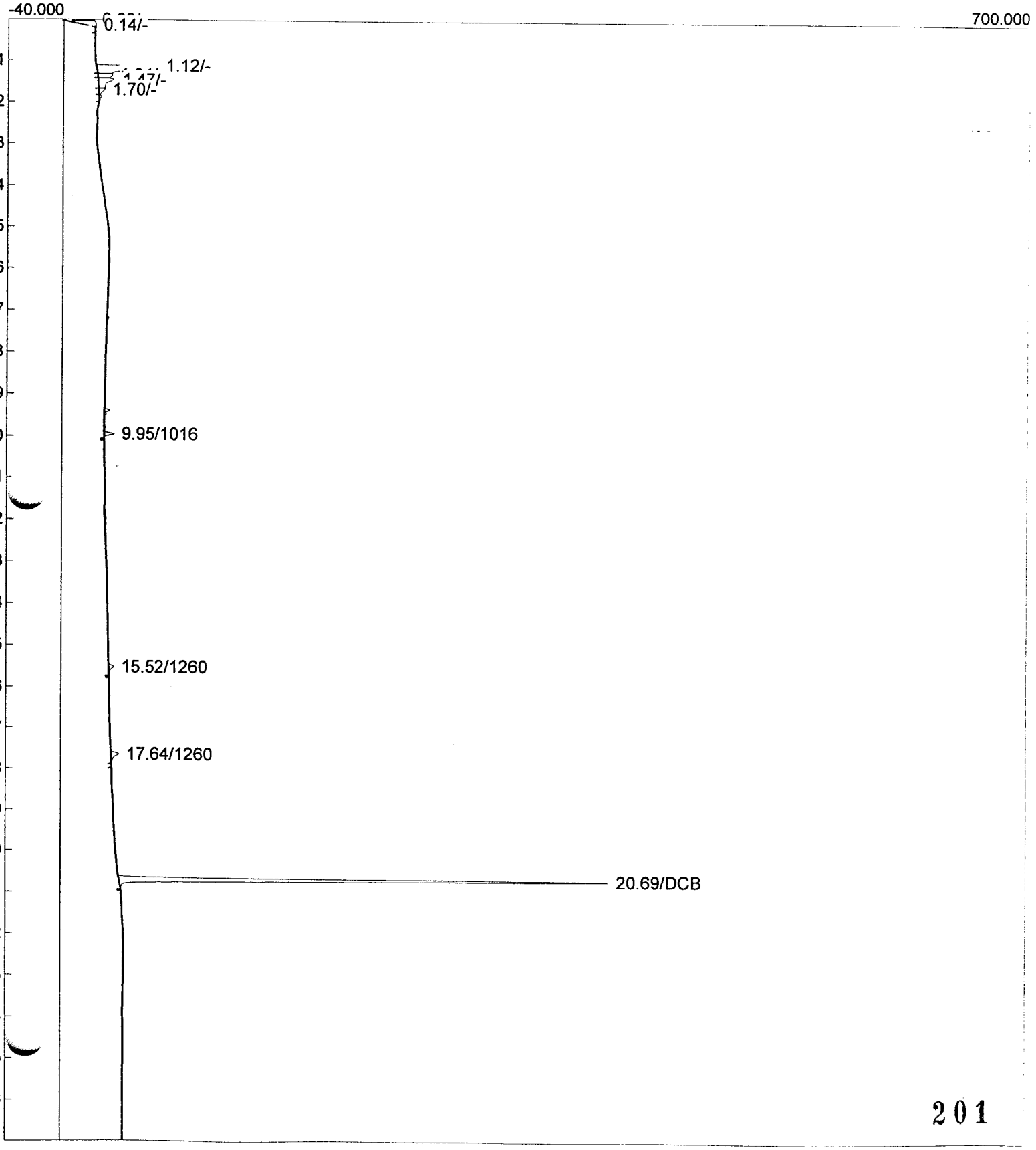
% Moisture: not dec. 0. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	33.	U
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	33.	U

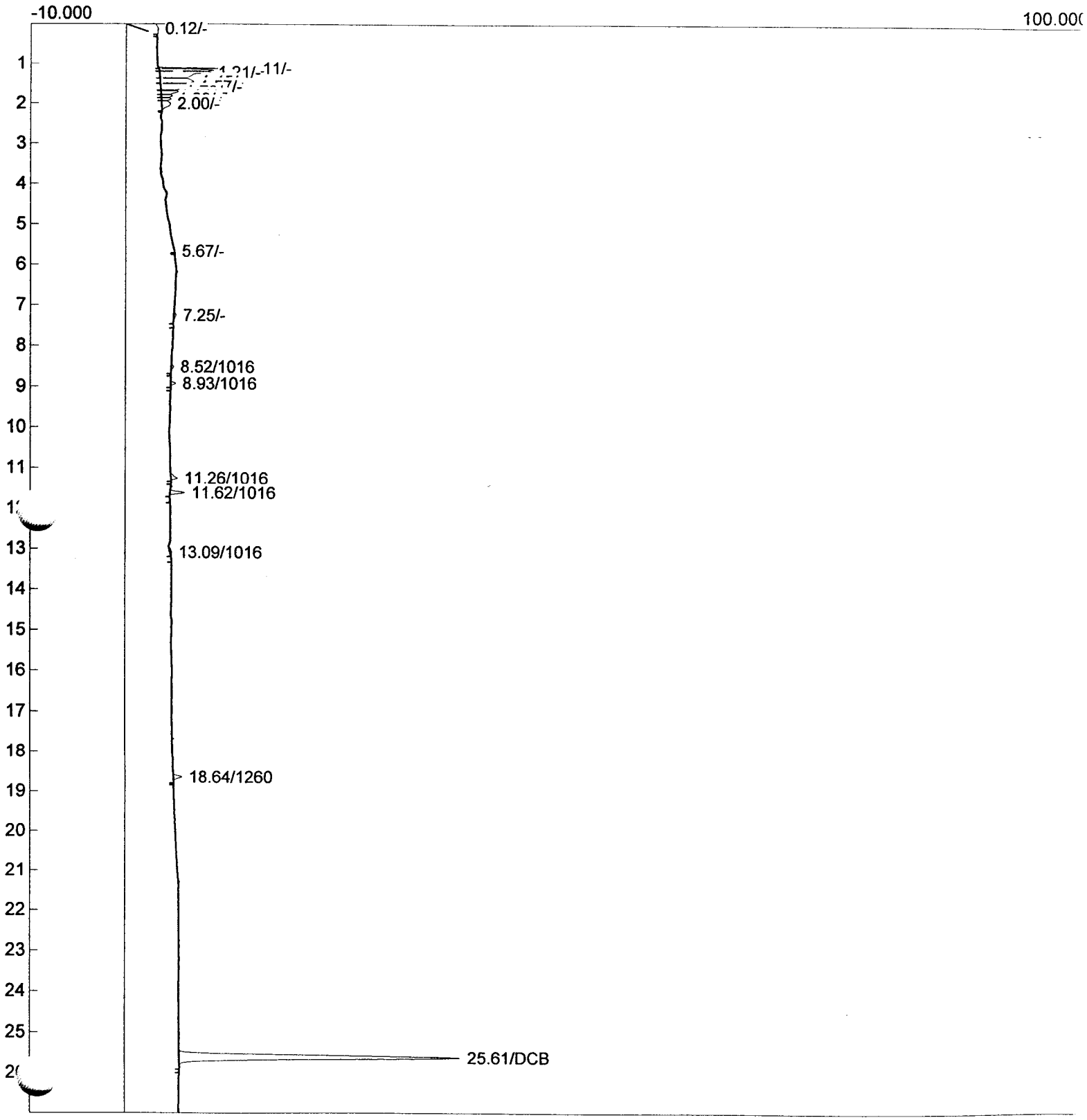
Lab name: AES
Analysis date: 11/17/2002 03:49:53
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b951.chr ()
mple: PBLKU2 30-10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.00	47.06	0	0.0000 -		DB1701	PBLKU2 30-10
0.14	99.12	0	0.0000 -		DB1701	PBLKU2 30-10
1.12	321.21	0	0.0000 -		DB1701	PBLKU2 30-10
1.34	63.54	0	0.0000 -		DB1701	PBLKU2 30-10
1.47	112.92	0	0.0000 -		DB1701	PBLKU2 30-10
1.70	26.67	0	0.0000 -		DB1701	PBLKU 30-10
0.00	0.00	6	0.0000 TCMX		DB1701	PBLKU2 30-10
0.00	0.00	2	0.0000	1016 total	DB1701	PBLKU2 30-10
9.95	27.52	1	0.0000 1016		DB1701	PBLKU2 30-10
0.00	0.00	4	0.0000	1260 TOTAL	DB1701	PBLKU2 30-10
15.52	27.16	3	0.0000 1260		DB1701	PBLKU2 30-10
17.64	42.78	3	0.0000 1260		DB1701	PBLKU2 30-10
20.69	1379.55	5	87.4351 DCB	88	DB1701	PBLKU2 30-10
	2147.54	10	87.4351			

0.1

Lab name: AES
Analysis date: 11/17/2002 03:49:53
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C951.chr ()
Sample: PBLKU2 30-10
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	27.25 -		0.0000 608		PBLKU2 30-10
1.11	10.01 -		0.0000 608		PBLKU2 30-10
1.16	18.63 -		0.0000 608		PBLKU2 30-10
1.21	39.77 -		0.0000 608		PBLKU2 30-10
1.45	26.36 -		0.0000 608		PBLKU2 30-10
1.57	27.91 -		0.0000 608		PBLKU2 30-10
1.70	10.01 -		0.0000 608		PBLKU2 30-10
1.81	4.68 -		0.0000 608		PBLKU2 30-10
1.89	4.28 -		0.0000 608		PBLKU2 30-10
2.00	8.74 -		0.0000 608		PBLKU2 30-10
5.67	1.20 -		0.0000 608		PBLKU2 30-10
7.25	2.21 -		0.0000 608		PBLKU2 30-10
8.52	1.56 1016		0.0000 608		PBLKU2 30-10
8.93	2.06 1016		0.0000 608		PBLKU2 30-10
11.26	3.59 1016		0.0000 608		PBLKU2 30-10
0.00	0.00 1016	TOTAL	0.0000 608		PBLKU2 30-10
11.62	5.95 1016		0.0000 608		PBLKU2 30-10
13.09	1.83 1016		0.0000 608		PBLKU2 30-10
18.64	4.61 1260		0.0000 608	87	PBLKU2 30-10
0.00	0.00 1260	TOTAL	0.0000 608		PBLKU2 30-10
25.61	201.70 DCB	0.00	87.5921 608	87 %	PBLKU2 30-10
	402.36		87.5921		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKU03

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) WATER Lab Sample ID: PBLKU03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: PBLKU03

Level: (low/med) LOW Date Received: 11/07/02

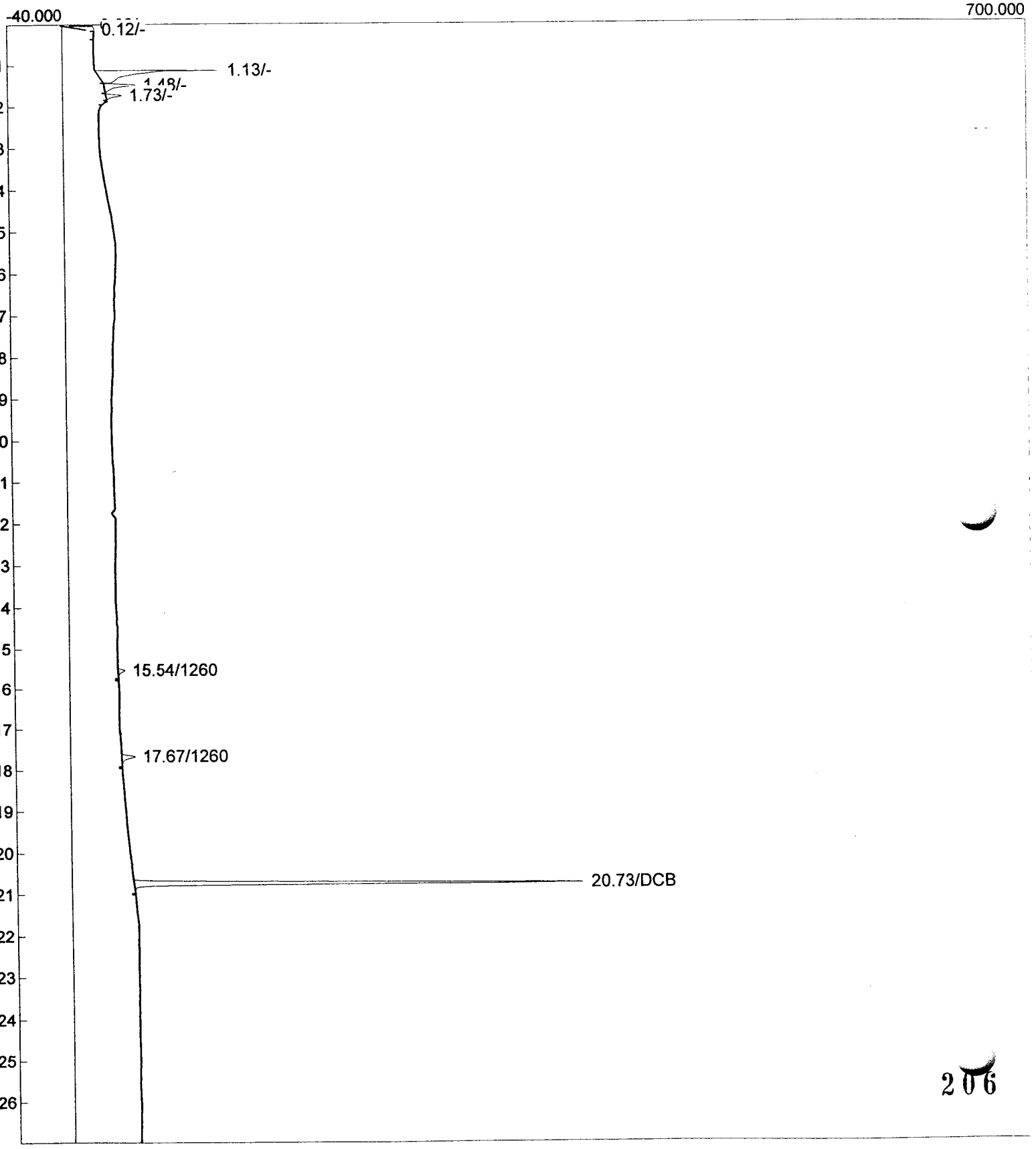
% Moisture: not dec. 100. dec._____ Date Extracted: 11/12/02

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Arochlor-1016	0.065	U
11104-28-2	Arochlor-1221	0.065	U
11141-16-5	Arochlor-1232	0.065	U
53469-21-9	Arochlor-1242	0.065	U
12672-29-6	Arochlor-1248	0.065	U
11097-69-1	Arochlor-1254	0.065	U
11096-82-5	Arochlor-1260	0.065	U

Lab name: AES
Analysis date: 11/20/2002 08:16:19
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B976.chr ()
Sample: PBLKU3 1L-~~10~~ 2 KF
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.02	43.39	0	0.0000 -		DB1701	PBLKU3 1L-10
0.12	80.48	0	0.0000 -		DB1701	PBLKU3 1L-10
1.13	427.58	0	0.0000 -		DB1701	PBLKU3 1L-10
1.48	125.02	0	0.0000 -		DB1701	PBLKU3 1L-10
1.73	48.93	0	0.0000 -		DB1701	PBLKU3 1L-10
0.00	0.00	6	0.0000	TCMX	DB1701	PBLKU3 1L-10
0.00	0.00	2	0.0000	1016 total	DB1701	PBLKU3 1L-10
0.00	0.00	1	0.0000	1016	DB1701	PBLKU3 1L-10
0.00	0.00	4	0.0000	1260 TOTAL	DB1701	PBLKU3 1L-10
15.54	29.45	3	0.0000	1260	DB1701	PBLKU3 1L-10
17.67	58.43	3	0.0000	1260	DB1701	PBLKU3 1L-10
20.73	1275.56	5	80.8445	DCB 91	DB1701	PBLKU3 1L-10
	2088.85	8	80.8445			

0.3

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)MS

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14 MS

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

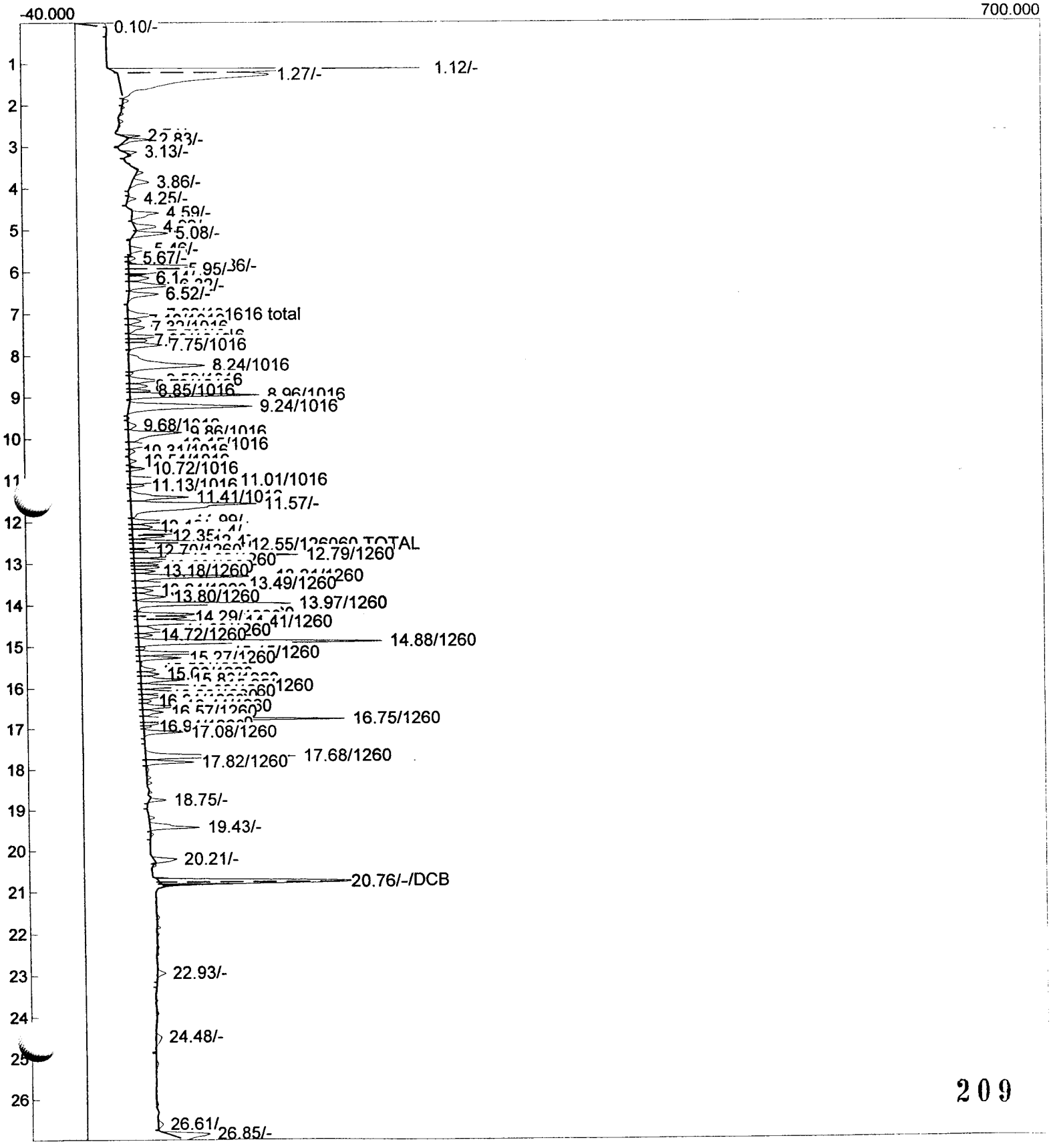
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	490	
11104-28-2	Arochlor-1221	170	U
11141-16-5	Arochlor-1232	170	U
53469-21-9	Arochlor-1242	170	U
12672-29-6	Arochlor-1248	780	
11097-69-1	Arochlor-1254	1100	
11096-82-5	Arochlor-1260	270	

Lab name: AES
Analysis date: 11/20/2002 06:50:21
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B974.chr ()
ample: 1107K14 (0.5-1) MS
perator: KEN FULLER

30-10x4



Retention	Area	Number	External	Component	Column	Sa
0.10	69.26	0	0.0000 -	DB1701	30-10x4	1107K14 (0.5-1) M
1.12	813.47	0	0.0000 -	DB1701		1107K14 (0.5-1) M
1.27	1556.67	0	0.0000 -	DB1701		1107K14 (0.5-1) M
2.74	32.57	0	0.0000 -	DB1701		1107K14 (0.5-1) M
2.83	76.02	0	0.0000 -	DB1701		1107K1 5-1) M
3.13	30.41	0	0.0000 -	DB1701		1107K1 5-1) M
3.86	81.97	0	0.0000 -	DB1701		1107K14 (0.5-1) M
4.25	29.26	0	0.0000 -	DB1701		1107K14 (0.5-1) M
4.59	128.31	0	0.0000 -	DB1701		1107K14 (0.5-1) M
0.00	0.00	6	0.0000 TCMX	DB1701		1107K14 (0.5-1) M
4.92	99.37	0	0.0000 -	DB1701		1107K14 (0.5-1) M
5.08	127.38	0	0.0000 -	DB1701		1107K14 (0.5-1) M
5.46	73.56	0	0.0000 -	DB1701		1107K14 (0.5-1) M
5.67	24.99	0	0.0000 -	DB1701		1107K14 (0.5-1) M
5.86	263.12	0	0.0000 -	DB1701		1107K14 (0.5-1) M
5.95	221.45	0	0.0000 -	DB1701		1107K14 (0.5-1) M
6.14	86.67	0	0.0000 -	DB1701		1107K14 (0.5-1) M
6.32	204.68	0	0.0000 -	DB1701		1107K14 (0.5-1) M
6.52	128.31	0	0.0000 -	DB1701		1107K14 (0.5-1) M
7.02	139.24	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
7.02	3694.26	2	0.4716 1016 total	DB1701		1107K14 (0.5-1) M
7.16	56.17	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
7.32	77.48	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
7.53	107.91	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
7.63	64.38	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
7.75	139.67	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
8.24	526.26	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
8.59	126.86	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
8.73	72.60	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
8.85	56.28	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
8.96	432.27	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
9.24	588.90	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
9.68	44.78	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
9.86	297.43	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
10.15	168.89	1	0.0000 1016	DB1701		1107K1 5-1) M
10.31	24.25	1	0.0000 1016	DB1701		1107K 5-1) M
10.54	23.67	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
10.72	36.55	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
11.01	423.08	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
11.13	39.29	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
11.41	248.29	1	0.0000 1016	DB1701		1107K14 (0.5-1) M
11.57	779.95	0	0.0000 -	DB1701		1107K14 (0.5-1) M
11.99	163.19	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.12	78.23	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.24	227.90	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.30	27.15	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.35	88.01	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.47	191.13	0	0.0000 -	DB1701		1107K14 (0.5-1) M
12.55	7083.49	4	0.4983 1260 TOTAL	DB1701		1107K14 (0.5-1) M
12.55	353.11	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
12.70	36.40	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
12.79	474.28	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
12.92	143.16	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.03	61.80	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.09	72.88	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.18	59.32	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.31	428.66	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.49	335.73	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.64	65.12	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.80	115.80	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
13.97	449.62	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
14.22	176.48	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
14.29	152.79	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
14.41	409.17	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
14.62	148.46	3	0.0000 1260	DB1701		1107K 0.5-1) M
14.72	42.32	3	0.0000 1260	DB1701		1107K .5-1) M
14.88	819.67	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
15.15	244.06	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
15.27	124.25	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
15.56	59.49	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
15.66	60.29	3	0.0000 1260	DB1701		1107K14 (0.5-1) M
15.80	171.27	3	0.0000 1260	DB1701		1107K14 (0.5-1) M

1847.58

780 high spk Coelute with 1248

1016 3694.26 − 2001.00 = 3916.74

×0.5÷30×10×4 ÷ 0.78 × 1/F = 370/214 ×100 = 173 high spk Coelute 1048

1254 1794.45 = 2614.12

1100

1254

15.95	225.79	3	0.0000	1260		DB1701	30-10 X 4	1107K14 (0.5-1) M
16.08	128.76	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
16.20	76.59	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
16.31	29.71	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
16.44	123.42	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
16.57	80.49	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
16.75	560.51	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
[illegible]36	48.26	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
[illegible].94	20.41	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
17.08	122.21	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
17.68	512.48	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
17.82	150.74	3	0.0000	1260		DB1701		1107K14 (0.5-1) M
18.75	43.95	0	0.0000	-		DB1701		1107K14 (0.5-1) M
19.43	197.85	0	0.0000	-		DB1701		1107K14 (0.5-1) M
20.21	95.00	0	0.0000	-		DB1701		1107K14 (0.5-1) M
20.74	551.17	5	34.9330	DCB	134%	DB1701		1107K14 (0.5-1) M
20.76	280.92	0	0.0000	-		DB1701		1107K14 (0.5-1) M
22.93	41.79	0	0.0000	-		DB1701		1107K14 (0.5-1) M
24.48	53.22	0	0.0000	-	0.4	DB1701		1107K14 (0.5-1) M
26.61	32.01	0	0.0000	-		DB1701		1107K14 (0.5-1) M
26.85	199.43	0	0.0000	-		DB1701		1107K14 (0.5-1) M
	28653.86	92	35.9029					

1260

7083.49 − 5398.14 — Sample

7108.09

x 0.5 ÷ 30 x 10 x 4 ÷ 0.78

$\frac{\cancel{167}\ 203\ KF}{214} \times 100 = \cancel{789}\ KF\ 95$

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)MSD

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14 MSD

Level: (low/med) LOW Date Received: 11/07/02

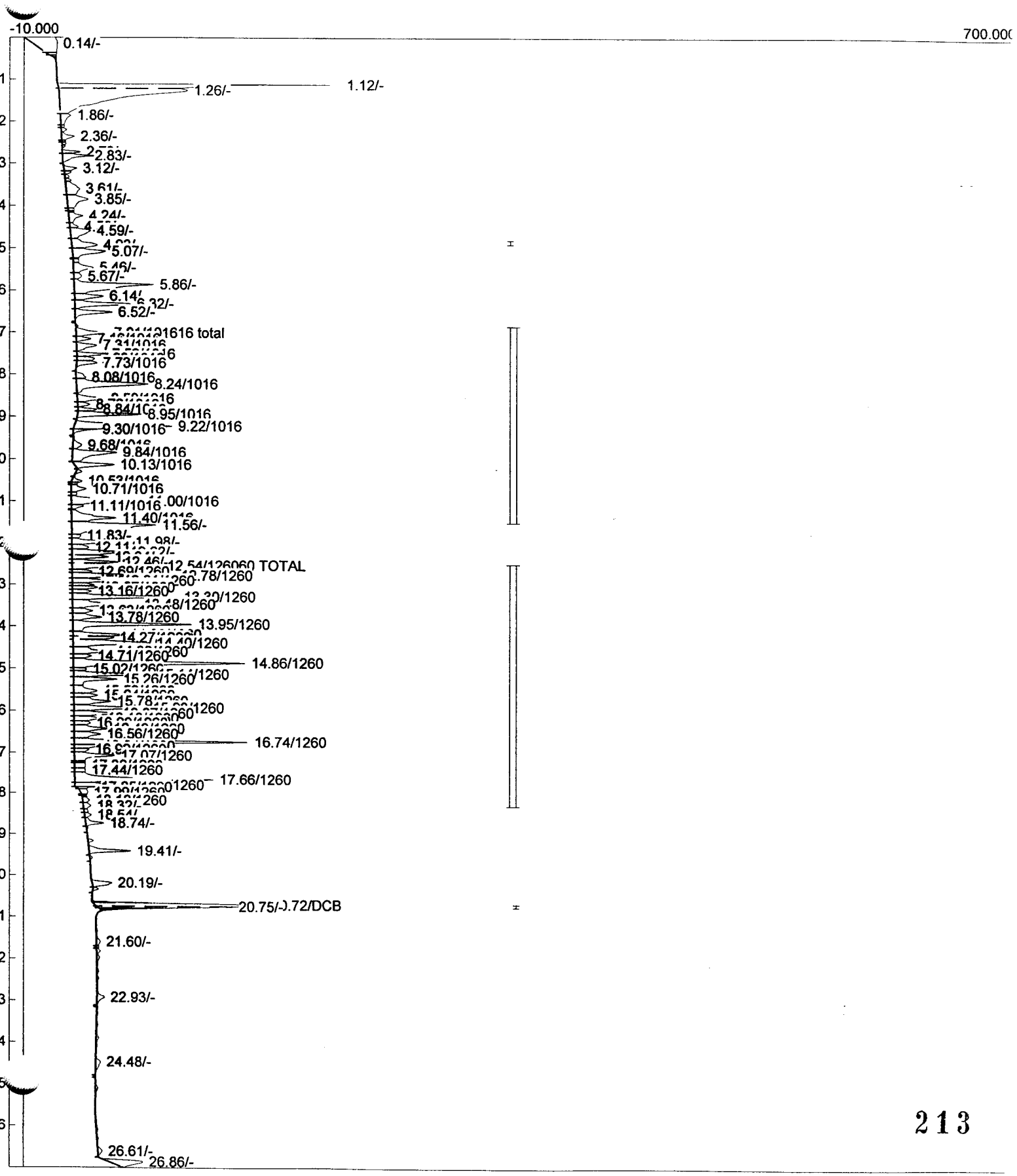
% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	260	
11104-28-2	Arochlor-1221	170	U
11141-16-5	Arochlor-1232	170	U
53469-21-9	Arochlor-1242	170	U
12672-29-6	Arochlor-1248	600	
11097-69-1	Arochlor-1254	910	
11096-82-5	Arochlor-1260	270	

Analysis date: 11/20/2002 07:33:19
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Data file: b975.chr ()
Sample: 1107K14 US-4 (0-0.5)MSD 30-10 X 4
Operator: KEN FULLER



Number	Retention	Area	Component	External	Sample
0	0.14	335.61	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	1.12	732.30	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	1.26	1444.35	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	1.86	73.21	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	2.36	54.19	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	2.73	41.71	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	2.83	104.34	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	3.12	46.66	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	3.61	134.68	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	3.85	159.23	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	4.24	75.88	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	4.50	27.40	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	4.59	140.24	-	0.0000	1107K14 US-4 (0-0.5)MSD
6	0.00	0.00	TCMX	0.0000	1107K14 US-4 (0-0.5)MSD
0	4.93	152.28	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	5.07	173.55	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	5.46	113.99	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	5.67	40.84	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	5.86	464.87	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	6.14	123.16	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	6.32	211.90	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	6.52	138.11	-	0.0000	1107K14 US-4 (0-0.5)MSD
1	7.01	132.79	1016	0.0000	1107K14 US-4 (0-0.5)MSD
2	7.01	2899.59	1016 total	0.3702	1107K14 US-4 (0-0.5)MSD
1	7.16	49.14	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	7.31	93.53	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	7.52	86.50	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	7.63	64.78	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	7.73	78.74	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.08	46.91	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.24	369.56	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.58	113.53	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.72	42.52	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.84	52.57	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	8.95	208.82	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	9.22	416.11	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	9.30	39.65	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	9.68	49.43	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	9.84	248.46	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	10.13	138.92	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	10.53	30.21	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	10.71	69.23	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	11.00	297.29	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	11.11	40.14	1016	0.0000	1107K14 US-4 (0-0.5)MSD
1	11.40	230.77	1016	0.0000	1107K14 US-4 (0-0.5)MSD
0	11.56	537.00	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	11.83	31.15	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	11.98	177.46	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	12.11	64.87	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	12.22	208.92	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	12.34	115.12	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	12.46	124.32	-	0.0000	1107K14 US-4 (0-0.5)MSD
4	12.54	7053.46	1260 TOTAL	0.4962	1107K14 US-4 (0-0.5)MSD
3	12.54	303.99	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	12.69	53.69	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	12.78	309.64	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	12.91	142.94	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.01	54.62	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.07	76.59	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.16	60.29	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.30	338.64	1260	0.0000	1107K14 US-4 (0-0.5)MSD

1248

1419.37

1160.91

600

Spk Coelutes

1016

2899.59 − 2001.00

3916.74

× 0.5 ÷ 30 × 40

× 1K ÷ 0.78

= 196

214

× 100

= 92%

3	13.48	257.10	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.63	82.06	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.78	126.31	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	13.95	401.80	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.20	156.62	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.27	120.70	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.40	335.27	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.60	161.21	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.71	62.84	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	14.86	631.28	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.02	38.31	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.14	241.64	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.26	171.81	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.53	123.99	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.64	80.75	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.78	175.66	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	15.93	232.95	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.07	149.35	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.18	102.32	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.29	60.45	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.43	142.69	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.56	123.29	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.74	514.31	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.84	75.49	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	16.92	46.57	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.07	184.71	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.30	60.13	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.44	49.18	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.66	541.75	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.80	162.92	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.85	27.59	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	17.99	38.93	1260	0.0000	1107K14 US-4 (0-0.5)MSD
3	18.18	33.10	1260	0.0000	1107K14 US-4 (0-0.5)MSD
0	18.32	36.58	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	18.54	25.81	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	18.74	67.18	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	19.41	137.61	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	20.19	89.48	-	0.0000	1107K14 US-4 (0-0.5)MSD
5	20.72	491.32	DCB	31.1394	1107K14 US-4 (0-0.5)MSD
0	20.75	184.08	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	21.60	26.57	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	22.93	47.17	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	24.48	41.45	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	26.61	27.66	-	0.0000	1107K14 US-4 (0-0.5)MSD
0	26.86	165.12	-	0.0000	1107K14 US-4 (0-0.5)MSD
105		27293.48		32.0057	

2139.75

1254

912

high Spk

Coelute 1260

1260 7053.46 − 5398.14

7108.09

÷ 30 × 40 × 1K

÷ 0.78

= 199/214 × 100

= 93%

125%

0.3

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PMSBU02

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: PMSBU02

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PMSBU02

Level: (low/med) LOW Date Received:

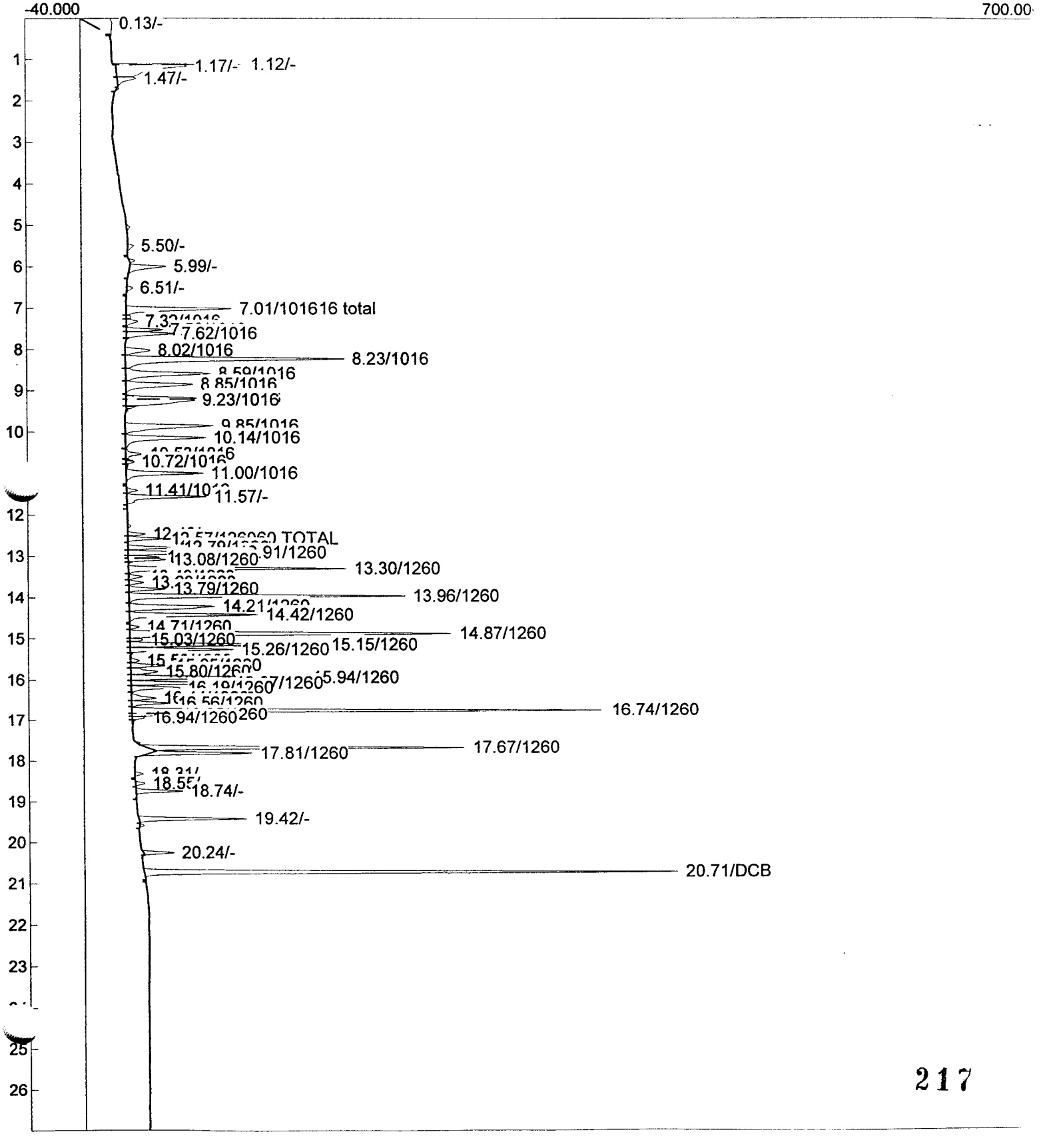
% Moisture: not dec. 0 . dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Arochlor-1016	180.	
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	220.	

Lab name: AES
Analysis date: 11/20/2002 06:07:20
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B973.chr ()
Sample: PMSBU2
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.13	292.65	0	0.0000 -		DB1701	PMSBU2
1.12	102.54	0	0.0000 -		DB1701	PMSBU2
1.17	495.12	0	0.0000 -		DB1701	PMSBU2
1.47	86.33	0	0.0000 -		DB1701	PMSBU2
0.00	0.00	6	0.0000 TCMX		DB1701	PMSBU2
5.50	27.91	0	0.0000 -		DB1701	PMSBU2
5.99	151.91	0	0.0000 -		DB1701	PMSBU2
6.51	22.55	0	0.0000 -		DB1701	PMSBU2
7.01	398.88	1	0.0000 1016		DB1701	PMSBU2
7.01	4189.28	2	0.5348 1016 total		DB1701	PMSBU2
7.32	46.37	1	0.0000 1016		DB1701	PMSBU2
7.52	108.55	1	0.0000 1016		DB1701	PMSBU2
7.62	174.15	1	0.0000 1016		DB1701	PMSBU2
8.02	118.92	1	0.0000 1016		DB1701	PMSBU2
8.23	926.88	1	0.0000 1016		DB1701	PMSBU2
8.59	402.04	1	0.0000 1016		DB1701	PMSBU2
8.85	315.29	1	0.0000 1016		DB1701	PMSBU2
9.18	185.46	1	0.0000 1016		DB1701	PMSBU2
9.23	344.97	1	0.0000 1016		DB1701	PMSBU2
9.85	418.87	1	0.0000 1016		DB1701	PMSBU2
10.14	336.73	1	0.0000 1016		DB1701	PMSBU2
10.53	66.58	1	0.0000 1016		DB1701	PMSBU2
10.72	21.95	1	0.0000 1016		DB1701	PMSBU2
11.00	288.40	1	0.0000 1016		DB1701	PMSBU2
11.41	35.23	1	0.0000 1016		DB1701	PMSBU2
11.57	276.30	0	0.0000 -		DB1701	PMSBU2
12.46	50.96	0	0.0000 -		DB1701	PMSBU2
12.57	103.68	3	0.0000 1260		DB1701	PMSBU2
12.57	9207.71	4	0.6477 1260 TOTAL		DB1701	PMSBU2
12.79	140.47	3	0.0000 1260		DB1701	PMSBU2
12.91	296.75	3	0.0000 1260		DB1701	PMSBU2
13.02	72.96	3	0.0000 1260		DB1701	PMSBU2
13.08	109.51	3	0.0000 1260		DB1701	PMSBU2
13.30	605.80	3	0.0000 1260		DB1701	PMSBU2
13.49	46.08	3	0.0000 1260		DB1701	PMSBU2
13.63	46.12	3	0.0000 1260		DB1701	PMSBU
13.79	111.15	3	0.0000 1260		DB1701	PMSBU2
13.96	781.84	3	0.0000 1260		DB1701	PMSBU2
14.21	378.70	3	0.0000 1260		DB1701	PMSBU2
14.42	426.63	3	0.0000 1260		DB1701	PMSBU2
14.71	26.99	3	0.0000 1260		DB1701	PMSBU2
14.87	1134.21	3	0.0000 1260		DB1701	PMSBU2
15.03	37.65	3	0.0000 1260		DB1701	PMSBU2
15.15	537.97	3	0.0000 1260		DB1701	PMSBU2
15.26	298.51	3	0.0000 1260		DB1701	PMSBU2
15.53	29.33	3	0.0000 1260		DB1701	PMSBU2
15.65	116.85	3	0.0000 1260		DB1701	PMSBU2
15.80	124.04	3	0.0000 1260		DB1701	PMSBU2
15.94	485.39	3	0.0000 1260		DB1701	PMSBU2
16.07	290.71	3	0.0000 1260		DB1701	PMSBU2
16.19	156.62	3	0.0000 1260		DB1701	PMSBU2
16.44	94.39	3	0.0000 1260		DB1701	PMSBU2
16.56	119.52	3	0.0000 1260		DB1701	PMSBU2
16.74	1337.73	3	0.0000 1260		DB1701	PMSBU2
16.85	119.75	3	0.0000 1260		DB1701	PMSBU2
16.94	36.76	3	0.0000 1260		DB1701	PMSBU2
17.67	865.75	3	0.0000 1260		DB1701	PMSBU2
17.81	275.84	3	0.0000 1260		DB1701	PMSBU2
18.31	25.32	0	0.0000 -		DB1701	PMSBU2
18.55	29.91	0	0.0000 -		DB1701	PMSBU2
18.74	135.67	0	0.0000 -		DB1701	PMSBU2
19.42	311.55	0	0.0000 -		DB1701	PMSBU2
20.24	81.58	0	0.0000 -		DB1701	PMSBU2
20.71	1507.09	5	95.5182 DCB	9690 0.2	DB1701	PMSBU2
	30391.35	63	96.7007			

SDG # DS-3 (0.5-1.0) INSTRUMENT ID: VARIAN 1 ANALYSIS DATES: 11/07-11/20/02

CASE # UR0205 COLUMN ID: DB1701

AR1016	
1.	6.85
2.	to
3.	8.23 REF
4.	to
5.	11.50

AR1221	
1.	5.06
2.	5.52
3.	5.87
4.	6.00 REF
5.	7.02

AR1232	
1.	6.02 REF
2.	7.04
3.	7.64
4.	8.26
5.	8.61

AR1242	
1.	7.03
2.	8.26 REF
3.	8.61
4.	8.88
5.	9.86

AR1248	
1.	7.05
2.	8.28
3.	8.64
4.	9.21
5.	9.27
6.	9.88
7.	10.17 REF

AR1254	
1.	13.32
2.	13.52
3.	13.99
4.	14.44
5.	14.90 REF
6.	15.82

AR1260	
1.	12.50
2.	to
3.	16.70 REF
4.	to
5.	18.30

All numbers represent Retention Times.

CLP

SAMPLE CALCULATIONS FOR PCB's:

1) RF of Aroclor 1248 on VAR-1 with DB1701 column from 11/16/02:

$$= \text{Average} \left\{ \frac{\text{Peak area of Aroclor 1248 in std.}}{\text{Mass Injected (ng)}} \right\}$$

$= 2686$

2) Concentration of Aroclor 1248 in sample DS-3 (0.5-1.0) (AES sample number 021107K-22):

$$\text{ug/Kg} = \frac{\text{area of Aroclor 1248 in sample}}{\text{(Response Factor)\{volume injected (uL)\}}} \times \frac{\text{\{Final Volume extract (uL)\}(Df)}}{\text{\{Initial Weight extracted (grams)\}\{\% Solids\}}}$$

$$= \frac{3919.23}{(2686)(1.5)} \times \frac{(10000)(4)}{(30.0)(0.47)} = 2759 \text{ ug/Kg}$$

which is reported as 2800 ug/Kg on the Form I for PCB's.

3) Calculation of spike recovery for Aroclor 1260 for sample US-4 (0.5-1.0):

$$\text{Percent spike recovery} = \frac{\text{(quantity in matrix spike) - (sample conc.)}}{\text{quantity added to sample}} \times 100$$

$$\text{\% recovery of Aroclor 1260} = \frac{(270-0.0)}{214} \times 100 = 126.2\ \%$$

Analyst: Same as Pg 88

Date Extracted:

Solvent 1 Lot No.:

Solvent 2 Lot No.:

Solvent 3 Lot No.:

Sodium Sulfate Lot No.:

Surrogate Lot No.:

Spike Solution Lot No.:

Acid Lot No.:

Sulfur Lot No.:

Alumina Lot No.:

Florisil Lot No:

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
11/11/02	021102K1	Soil	30grs	PCB		1ml 1ppm DCB	10		X	X	No Conc Conc
	2										ext only 11/15/02
	3										Decanted
	4										K2 5, 6
	5										8 → 10 11 13 14 15 16
	6										18 19 23 Decante
	7										
	8										Note
	9										Sulfer
	10										2x
	11										
	12										
	13										
	14										
	14 MS/MSD				0.5 ml 10 ppm 1016/1260						

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C000859

Same as Pg 98

Analyst _____

Date Extracted: _____

Solvent 1 Lot No.: _____

Solvent 2 Lot No.: _____

Solvent 3 Lot No.: _____

Sodium Sulfate Lot No.: _____

Surrogate Lot No.: _____

Spike Solution Lot No.: _____

Acid Lot No.: _____

Sulfur Lot No.: _____

Alumina Lot No.: _____

Florisil Lot No: _____

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
											Conct.
11/11/02	021107K4 MS	Soil	30grs	PCB	0.5ml 10PPM	.1ml			X	X	No Conc
	4 MSD				1016 1260	1PPM DCB					
	K15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										
	24										
	25										
	26										

Analyst	KF	Solvent 3 Lot No.:	MC 42203 / MC 42157 / 41295	Acid Lot No.:	2498X07A27
Date Extracted:	11/11/02 → 11/12	Sodium Sulfate Lot No.:	14038 / 8024 ~X17591	Sulfur Lot No.:	Lot # TBA 10/2
Solvent 1 Lot No.:	hex 42248	Surrogate Lot No.:	PCBAM Surr	Alumina Lot No.:	0311TS
Solvent 2 Lot No.:	Ace 37929	Spike Solution Lot No.:	[illegible] M1→6	Florisil Lot No:	68750582

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
11/11/02	1101 B/K	PW	1L	PCB Pest		1ml 1ppm	10				
	1108 AI1	↓	↓	↓		DCB	↓				
	1106AK1	TCLP Fluid	0.05L	TCLP Pest		0.2ml 1ppm	2				
	1111 TCLP B/K	↓	↓	↓		DCB	↓				
	Kero + bue	PCB	0.5	PCB		25ul 100ppm DCB	25		X		
11/12/02 SS	021112 E1	oil	.5g	PCB		10ml 100ppm	10		x		
KF	11/12 oil B/K	↓	↓	↓		DCB	↓		↓		
11/12 KF	021112 B/K PB/K43	PW	1L	↓		0.2ml 1ppm	2		X	X	1L-2 PH6
	MSB	↓	↓	↓	10ul 10ppm 1242	DCB	↓		↓	↓	↓
	1111 P1→5	WW	↓	↓	↓	↓	↓		↓	↓	Note P4/P5 0.1 ml 1ppm Added
	1111 001	↓	↓	↓	↓	↓	↓		↓	↓	↓
	1107K27	↓	↓ 1.00L	↓		↓	↓		↓	↓	1.00-2 PH6
	1112R1→2	Soil	30grs	↓		1ml 1ppm	10		↓		
	R2MS	↓	↓	↓	1ml 10 ppm 1016	DCB	↓		↓		
	SB/K	↓	↓	↓		↓	↓				

0.1V000091

DRY WTS %TS C71

Analyst	Date	Client	Sample ID	Dish Wt.	Wet + Dish	Wet Wt.	Dry +Dish	Dry Wt.	% ts	% M
MC	11/20/02	GRS	021107 K01	3.52	19.63	16.11	16.66	13.14	81.6	7
			021107 K02	3.527	17.923	14.396	15.101	11.574	80.4	20
			021107 K03	3.531	16.596	13.065	13.836	10.305	78.9	21
			021107 K04	3.496	18.348	14.852	14.892	11.396	76.7	23
			021107 K05	3.524	21.034	17.51	17.362	13.838	79.0	21
			021107 K06	3.518	16.907	13.389	14.752	11.234	83.9	16
			021107 K07	3.534	22.16	18.626	18.683	15.149	81.3	19
			021107 K08	3.516	25.152	21.636	21.832	18.316	84.7	15
			021107 K09	3.553	24.754	21.201	21.96	18.407	86.8	13
			021107 K10	3.552	20.8	17.248	16.467	12.915	74.9	25
			021107 K11	3.561	18.818	15.257	14.177	10.616	69.6	30
			021107 K12	3.534	19.022	15.488	15.634	12.1	78.1	22
			021107 K13	3.51	16.759	13.249	14.038	10.528	79.5	21
			021107 K14	3.54	16.867	13.327	13.895	10.355	77.7	22
			021107 K15	3.525	20.199	16.674	17.489	13.964	83.7	16
			021107 K16	3.524	20.035	16.511	16.434	12.91	78.2	22
			021107 K17	3.56	19.245	15.685	15.953	12.393	79.0	21
			021107 K18	3.519	19.926	16.407	15.448	11.929	72.7	27
			021107 K19	3.563	19.827	16.264	14.573	11.01	67.7	32
			021107 K20	3.575	19.759	16.184	16.539	12.964	80.1	20
			021107 K21	3.526	18.816	15.29	14.281	10.755	70.3	30
			021107 K22	3.555	20.328	16.773	11.36	7.805	46.5	53
			021107 K23	3.536	18.679	15.143	14.002	10.466	69.1	31
			021107 K24	3.547	16.514	12.967	13.553	10.046	77.2	23
			021107 K25	3.531	24.735	21.204	19.843	16.312	76.9	23
			021107 K26	3.5	16.843	13.343	14.538	11.038	82.7	17
		DEL	021114AW01	3.564	18.221	14.657	12.965	9.401	64.1	36
			021114AW02	3.53	19.999	16.469	15.757	12.227	74.2	26

INORGANIC

ANALYSIS

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-22

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	72600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-23

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	52900			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-24

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	6400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-14

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	37400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DUP-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-25

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	70800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DUP-2

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-26

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	27000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

EB-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Water Lab Sample ID: 021107K-27

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	100	U		Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2035	102	2000	1966	98	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2035	102	2000	2021	101	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2065	103	2000	2166	108	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2063	103				Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A
CRQL STANDARDS FOR CONVENTIONALS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.:DS-3 (0.5-1.0

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Initial Calibration			Initial Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							EPA 351.3
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							EPA 405.1
TOC							Lloyd Kahn
TDS							EPA 160.1
Sulfate							EPA 300.0
Alkalinity							EPA 310.1
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.3
pH							EPA 150.1
Turbidity							EPA 180.1
Color							EPA 110.1
Hexavalent Chromium							SW 7196

Comments _____

FORM II (Part 2) - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U	100	U			Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300
Alkalinity											EPA 310
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	50400		37400		20000	65	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

U.S. EPA - CLP

6
DUPLICATES

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	37400		30500		20.3	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

FORM VI - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG: DS-3 (0.5-1.0)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2035	102						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

_____

_____

FORM VII - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG: DS-3 (0.5-1.0)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2065	103						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

_____

_____

FORM VII - CONV

RAW QC

DATA

11/22/02 — TOC - ASP (sediment) — MAC 5

Sample ID	amt (mg)	meter	ug/g	
1107 K04 spike, (20ul)	1.5	1960	52,300	
1107 K04 spike, (20ul)	1.9	2429	51,100	
1107 K05	1.3	721	22,200	
CCV 2000 ppm		2010		
CCB Bl		<100		
11/25/02			MAC	
2000 ppm		2035		
Blank		<100		
1107 K05	2.8	1577	22,500	22,40
1107 K06	3.2	889	11,800	10,60
1107 K06	3.0	709	9450	
1107 K07	3.2	1487	18,600	29,40
1107 K07	3.4	3126	40,300	
1107 K08	2.9	1826	25,200	
1107 K08	3.4	1135	13,400	19,30
1107 K09	3.4	1558	18,300	
1107 K09	2.6	1151	17,760	18,00
1107 K10	1.9	1948	41,000	
2000 ppm		1966		
Blank		<100		
1107 K10	3.6	3224	35,800	36,40
1107 K11	3.2	3885	48,600	
1107 K11	2.0	1423	28,500	36,60
1107 K12	2.1	2661	50,700	
1107 K12	2.7	1500	22,200	36,40
1107 K13	2.0	968	19,400	
1107 K13	3.2	1503	18,800	19,10
1107 K14	2.4	288	4500	
~~1107 K14~~	~~3.6~~	over 11/25/02 MAC		
1107 K14 dup	2.4	3380	56,300	30,50
2000 ppm		2035		
Blank		<100		
1107 K14 dup	MAC 11/25 ~~2.9~~ 1.8	1852	41,200	37,1
1107 K14	1.3	1088	33,500	
1107 K14 spike, (20ul)	2.0	2518	50,400	P.2
~~1107 K14 spike$_2$ (20ul)~~	~~2.2~~	over 11/25/01 MAC		
1107 K15	2.3	4002	69,600	54,1
1107 K15	1.7	1274	20,000	

AS

11/22/02 TOC-ASP MAC Csediments

1	TOC	2819	2000 ppm
2	TOC	13.38	BL
3	TOC	2114	1107 K01
4	TOC	1785	1107 K03
5	TOC	3000	1107 K03
6	TOC	2680	1107 K04
7	TOC	2944	1107 K04
8	TOC	1862	1107 K04 dup
9	TOC	2453	1107 K04 dup
10	TOC	1960	1107 K04 spike,
11	TOC	2429	1107 K04 spike2
12	TOC	720.7	1107 K05
13	TOC	2010	200 ppm
14	TOC	16.59	BLANK

11/25/02 TOC-Spd. ASP

15	TOC	2835	2000 ppm
16	TOC	40.54	BLANK
17	TOC	1577	1107 K05
18	TOC	889.3	1107 K06
19	TOC	708.9	1107 K06
20	TOC	1487	1107 K07
21	TOC	3426	1107 K07
22	TOC	1826	1107 K08
23	TOC	1135	1107 K08
23	CANCELLED		
TIMEOUT ERROR< 10%			
24	TOC	1558	1107 K09
25	TOC	1151	1107 K09
26	TOC	1948	1107 K10
27	TOC	1966	2000 ppm
28	TOC	24.61	Blank
29	TOC	3224	1107 K10
30	TOC	3885	1107 K11
31	TOC	1423	1107 K11
32	TOC	2561	1107 K12
33	TOC	1500	1107 K12
34	TOC	967.6	1107 K13
35	TOC	1503	1107 K13
36	TOC	287.5	1107 K14
~~37~~	~~TOC~~	~~1136~~	over
38	TOC	3380	1107 K14
39	TOC	2835	~~1107 K14 dup~~ 200 ppm
40	TOC	22.89	BL
41	TOC	1852	1107 K14 dup
42	TOC	1088	1107 K14
43	TOC	2518	1107 K14
44	~~TOC~~	~~1828~~	over ~~1107 K14~~ spike,
45	TOC	4802	1107 K15
46	TOC	1274	1107 K15

Spike Recovery = $\frac{\text{spike sample conc.} - \text{Sample conc}}{\text{actual spike}}$

actual spike = $\frac{\text{one spike} \times \text{spike conce}}{\text{wgt sample}}$

07 K04 spike, $\frac{52,300 - 46,600}{26,700} = 14\%$

1107 K14 spike, $\frac{50,400 - 30,50}{20,000}$

100%

11/25/02 — TOC - ASP (Sediments) — MAE 26

Sample ID	amt (mg)	meter	ug/g	
1107 K16	2.1	1657	31,600	25,800
1107 K16	1.2	599	20,000	
1107 K17	1.5	1256	33,500	36,200
1107 K17	1.9	1845	38,900	
2900 ppm		2021		
Blank		<100		
11/26/02 MAE				
CCV 2000 ppm		2065		
CCB Blank		<100		
021107 K18	1.1	2170	78,900	71,600
1107 K18	1.5	2414	64,400	
1107 K19	2.4	2399	40,000	77,000
1107 K19	1.2	3428	114,000	
1107 K20	1.9	3534	74,400	61,100
1107 K20	1.9	2270	47,800	
1107 K21	1.3	2163	66,600	64,000
1107 K21	1.7	2608	61,400	
1107 K22	1.3	1375	42,300	
~~1107 K22~~	~~1.9~~	over rerun		
CCV 2000ppm		2166		
CCB Blank		<100		
1107 K22	0.4	1029	103,000	72,600
1107 K23	1.3	1693	52,100	
1107 K23	1.7	2281	53,700	52,900
1107 K24	1.1	179	6510	
1107 K24	2.1	331	6300	6400
1107 K25	1.8	3423	76,100	
1107 K25	1.8	2945	65,400	70,800
1107 K26	2.1	1830	35,000	
1107 K26	1.8	850	18,900	27,000
~~1107 K27~~				
1107 K27		<100		
2000 ppm		2063		
Blank		<100		

47	TOC	1657	1107 K16
48	TOC	598.7	1107 K16
49	TOC	1256	1107 K17
50	TOC	1845	1107 K17
51	TOC	2021	2000 ppm
52	TOC	13.69	Blank
11/20/01			ASP-TOC sediments
53	TOC	2065	2000 ppm
54	TOC	23.92	BL
55	TOC	2170	1107 K18
56	TOC	2414	1107 K18
57	TOC	2399	1107 K19
58	TOC	3428	1107 K19
59	TOC	3534	1107 K20
60	TOC	2270	1107 K20
61	TOC	2163	1107 K21
62	TOC	2608	1107 K21
63	TOC	1375	1107 K22
64	~~TOC~~	~~2359~~	rerun 11/22
65	TOC	2166	2000 ppm
66	TOC	21.89	BLANK
67	TOC	1029	1107 K22
68	TOC	1693	1107 K23
69	TOC	2281	1107 K23
70	TOC	178.6	1107 K23
71	TOC	331.4	1107 K24
72	TOC	3423	1107 K25
73	TOC	2945	1107 K25
74	TOC	1838	1107 K26
75	TOC	850.1	1107 K26
76	TOC	22.51	1107 K27
77	TOC	2063	2000 ppm
78	TOC	6.133	BL

CLP pH

Sample	pH	Date	Init
ICV/CCV 6.05	6.03	11/22/02	PZ ✓
021107 K01	6.84		
K02	7.24		
K03	7.17		
K04 RS 11/22/02	7.30		
K04D	7.27		
K05	7.39		
K06	7.43		
K07	7.52		
K08	7.91		
K09	7.96		
CCV	6.02		
021107 K10	7.34		
K11	7.55		
K12	7.63		
K13	7.61		
K14	7.41		
K14D	7.43		
K15	7.44		
K16	7.56		
K17	7.80		
K18	7.33		
CCV	5.99		
021107 K19	6.97		
K20	7.08		
K21	7.17		
K22	7.03		
K23	7.18		
K24	7.44		
K25	7.32		
K26	7.62		
CCV	6.01		

DRY WTS %TS C71

Analyst	Date	Client	Sample ID	Dish Wt.	Wet + Dish	Wet Wt.	Dry +Dish	Dry Wt.	% ts	% M
MC	11/20/02	WRS	021107 K01	3.52	19.63	16.11	16.66	13.14	81.6	7
			021107 K02	3.527	17.923	14.396	15.101	11.574	80.4	20
			021107 K03	3.531	16.596	13.065	13.836	10.305	78.9	21
			021107 K04	3.496	18.348	14.852	14.892	11.396	76.7	23
			021107 K05	3.524	21.034	17.51	17.362	13.838	79.0	21
			021107 K06	3.518	16.907	13.389	14.752	11.234	83.9	16
			021107 K07	3.534	22.16	18.626	18.683	15.149	81.3	19
			021107 K08	3.516	25.152	21.636	21.832	18.316	84.7	15
			021107 K09	3.553	24.754	21.201	21.96	18.407	86.8	13
			021107 K10	3.552	20.8	17.248	16.467	12.915	74.9	25
			021107 K11	3.561	18.818	15.257	14.177	10.616	69.6	30
			021107 K12	3.534	19.022	15.488	15.634	12.1	78.1	22
			021107 K13	3.51	16.759	13.249	14.038	10.528	79.5	21
			021107 K14	3.54	16.867	13.327	13.895	10.355	77.7	22
			021107 K15	3.525	20.199	16.674	17.489	13.964	83.7	16
			021107 K16	3.524	20.035	16.511	16.434	12.91	78.2	22
			021107 K17	3.56	19.245	15.685	15.953	12.393	79.0	21
			021107 K18	3.519	19.926	16.407	15.448	11.929	72.7	27
			021107 K19	3.563	19.827	16.264	14.573	11.01	67.7	32
			021107 K20	3.575	19.759	16.184	16.539	12.964	80.1	20
			021107 K21	3.526	18.816	15.29	14.281	10.755	70.3	30
			021107 K22	3.555	20.328	16.773	11.36	7.805	46.5	53
			021107 K23	3.536	18.679	15.143	14.002	10.466	69.1	31
			021107 K24	3.547	16.514	12.967	13.553	10.006	77.2	23
			021107 K25	3.531	24.735	21.204	19.843	16.312	76.9	23
			021107 K26	3.5	16.843	13.343	14.538	11.038	82.7	17
		DEL	021114AW01	3.564	18.221	14.657	12.965	9.401	64.1	36
			021114AW02	3.53	19.999	16.469	15.757	12.227	74.2	26

Adirondack
Environmental Services, Inc.

Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

URS/Dames & Moore
646 Plank Road
Suite 202
Clifton Park, New York 12065

Attention: Karen Peppin

Adirondack Environmental Services, Inc.
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TITLE PAGE

On November 7, 2002 twenty soil samples were received by Adirondack Environmental Services, Inc. from URS Greiner Woodward Clyde at the GE Tonawanda site. These samples were analyzed for PCB's and Total Organic Carbon as specified by the contract. The project was completed on December 10, 2002.

Laboratory Manager

Date: 12/10/02

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SAMPLE DATA

SUMMARY PACKAGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other CN
OF (0-0.5)	021107K-01			X			X
OF (0.5-1.0)	021107K-02			X			X
OF (1.0-2.0)	021107K-03			X			X
US-1 (0-0.5)	021107K-04			X			X
US-1 (0.5-1.0)	021107K-05			X			X
US-1 (1.0-2.0)	021107K-06			X			X
US-2 (0-0.5)	021107K-07			X			X
US-2 (0.5-1.0)	021107K-08			X			X
US-2 (1.0-2.0)	021107K-09			X			X
US-3 (0-0.5)	021107K-10			X			X
US-3 (0.5-1.0)	021107K-11			X			X
US-3 (1.0-2.0)	021107K-12			X			X
US-4 (0-0.5)	021107K-13			X			X
DS-1 (0-0.5)	021107K-15			X			X
DS-1 (0.5-1.0)	021107K-16			X			X
DS-1 (1.0-2.0)	021107K-17			X			X
DS-2 (0-0.5)	021107K-18			X			X
DS-2 (0.5-1.0)	021107K-19			X			X
DS-2 (1.0-2.0)	021107K-20			X			X
DS-3 (0-0.5)	021107K-21			X			X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
021107K-01	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-02	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-03	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-04	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-05	SOIL	11/6/02	11/7/02	11/11/02	11/19/02
021107K-06	SOIL	11/6/02	11/7/02	11/11/02	11/19/02
021107K-07	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-08	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-09	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-10	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-11	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-12	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-13	SOIL	11/6/02	11/7/02	11/11/02	11/16/02
021107K-15	SOIL	11/6/02	11/7/02	11/11/02	11/20/02
021107K-16	SOIL	11/6/02	11/7/02	11/11/02	11/20/02
021107K-17	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-18	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-19	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-20	SOIL	11/6/02	11/7/02	11/11/02	11/17/02
021107K-21	SOIL	11/6/02	11/7/02	11/11/02	11/20/02

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Prepared	Date Analyzed
021107K-01	SOIL	Total Organic Carbon	11/7/02	11/21/02	11/21/02
021107K-02	SOIL	Total Organic Carbon	11/7/02	11/21/02	11/21/02
021107K-03	SOIL	Total Organic Carbon	11/7/02	11/22/02	11/22/02
021107K-04	SOIL	Total Organic Carbon	11/7/02	11/22/02	11/22/02
021107K-05	SOIL	Total Organic Carbon	11/7/02	11/22/02	11/22/02
021107K-06	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-07	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-08	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-09	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-10	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-11	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-12	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-13	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-15	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-16	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-17	SOIL	Total Organic Carbon	11/7/02	11/25/02	11/25/02
021107K-18	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-19	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-20	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02
021107K-21	SOIL	Total Organic Carbon	11/7/02	11/26/02	11/26/02

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Case Narrative

Client: URS Greiner Woodward Clyde - GE Tonawanda

Case: UR 0204

SDG: DS-1 (0-0.5)

Sample ID	Laboratory Sample ID	Date Received	VTSR	Matrix
OF (0-0.5)	021107K-01	11/07/02	09:00	Soil
OF (0.5-1.0)	021107K-02	11/07/02	09:00	Soil
OF (1.0-2.0)	021107K-03	11/07/02	09:00	Soil
US-1 (0-0.5)	021107K-04	11/07/02	09:00	Soil
US-1 (0.5-1.0)	021107K-05	11/07/02	09:00	Soil
US-1 (1.0-2.0)	021107K-06	11/07/02	09:00	Soil
US-2 (0-0.5)	021107K-07	11/07/02	09:00	Soil
US-2 (0.5-1.0)	021107K-08	11/07/02	09:00	Soil
US-2 (1.0-2.0)	021107K-09	11/07/02	09:00	Soil
US-3 (0-0.5)	021107K-10	11/07/02	09:00	Soil
US-3 (0.5-1.0)	021107K-11	11/07/02	09:00	Soil
US-3 (1.0-2.0)	021107K-12	11/07/02	09:00	Soil
US-4 (0-0.5)	021107K-13	11/07/02	09:00	Soil
DS-1 (0-0.5)	021107K-15	11/07/02	09:00	Soil
DS-1 (0.5-1.0)	021107K-16	11/07/02	09:00	Soil
DS-1 (1.0-2.0)	021107K-17	11/07/02	09:00	Soil
DS-2 (0-0.5)	021107K-18	11/07/02	09:00	Soil
DS-2 (0.5-1.0)	021107K-19	11/07/02	09:00	Soil
DS-2 (1.0-2.0)	021107K-20	11/07/02	09:00	Soil
DS-3 (0-0.5)	021107K-21	11/07/02	09:00	Soil

PCB's

1) Samples were analyzed using EPA Method 8082.

2) Peak area was used to calculate all values appearing in this data package.

3) The primary quantitation column is identified as DB1701 and the confirmation column is identified as DB608.

4) Please find after this narrative, a listing of the peaks used to identify and quantitate Aroclor constituents in this data package.

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5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary.

6) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

7) Sample US-3 (0.5-1.0) had an interfering peak present that prevented quantitation of the surrogate. The surrogate recovery form is flagged with "IP" to denote this interfering peak.

8) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
OF (0-0.5)	021107K-01	1:4
OF (0.5-1.0)	021107K-02	1:4
OF (1.0-2.0)	021107K-03	1:4
US-1 (0-0.5)	021107K-04	1:4
US-2 (0-0.5)	021107K-07	1:4
US-2 (0.5-1.0)	021107K-08	1:4
US-2 (1.0-2.0)	021107K-09	1:4
US-3 (0-0.5)	021107K-10	1:4
US-3 (0.5-1.0)	021107K-11	1:4
US-3 (1.0-2.0)	021107K-12	1:4
US-4 (0-0.5)	021107K-13	1:4
DS-1 (1.0-2.0)	021107K-17	1:4
DS-2 (0-0.5)	021107K-18	1:4
DS-2 (0.5-1.0)	021107K-19	1:4
DS-2 (1.0-2.0)	021107K-20	1:4
DS-3 (0-0.5)	021107K-21	1:10

Conventionals

1) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 12 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 30.1 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

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"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laura [signature]
Laboratory Manager

Date: 12/10/02

SDG # DS-1(0-0.5)

CASE # UR0204

INSTRUMENT ID: VARIAN 1

COLUMN ID: DB1701

ANALYSIS DATES: 11/07-11/20/02

AR1016

1. 6.85
2. to
3. 8.23 REF
4. to
5. 11.50

AR1221

1. 5.06
2. 5.52
3. 5.87
4. 6.00 REF
5. 7.02

AR1232

1. 6.02 REF
2. 7.04
3. 7.64
4. 8.26
5. 8.61

AR1242

1. 7.03
2. 8.26 REF
3. 8.61
4. 8.88
5. 9.86

AR1248

1. 7.05
2. 8.28
3. 8.64
4. 9.21
5. 9.27
6. 9.88
7. 10.17 REF

AR1254

1. 13.32
2. 13.52
3. 13.99
4. 14.44
5. 14.90 REF
6. 15.82

AR1260

1. 12.50
2. to
3. 16.70 REF
4. to
5. 18.30

All numbers represent Retention Times.

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0-0.5)

Name: AE3,INC. Contract:

Lab Code: :S Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K15

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 16. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	140.	
11097-69-1	Arochlor-1254	180.	
11096-82-5	Arochlor-1260	39.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0.5-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K16

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	180.	
11097-69-1	Arochlor-1254	200.	
11096-82-5	Arochlor-1260	42.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K17

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	300.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K18

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 27. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	510.	
11096-82-5	Arochlor-1260	180.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K19

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 32. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	190.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K20

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K21

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	470.	U
11104-28-2	Arochlor-1221	470.	U
11141-16-5	Arochlor-1232	470.	U
53469-21-9	Arochlor-1242	470.	U
12672-29-6	Arochlor-1248	980.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	470.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K01

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 18. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	320.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K02

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	610.	
11097-69-1	Arochlor-1254	500.	
11096-82-5	Arochlor-1260	170.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K03

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	330.	
11097-69-1	Arochlor-1254	420.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K04

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	280.	
11096-82-5	Arochlor-1260	170.	U

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EPA SAMPLE NO.

US-1 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K05

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec.YES Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	42.	U
11097-69-1	Arochlor-1254	97.	
11096-82-5	Arochlor-1260	42.	U

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EPA SAMPLE NO.

US-1 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K06

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 16. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	39.	U
11097-69-1	Arochlor-1254	22.	J
11096-82-5	Arochlor-1260	39.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K07

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 19. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	410.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K08

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 15. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	310.	
11097-69-1	Arochlor-1254	640.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K9

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 13. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	150.	U
11104-28-2	Arochlor-1221	150.	U
11141-16-5	Arochlor-1232	150.	U
53469-21-9	Arochlor-1242	150.	U
12672-29-6	Arochlor-1248	560.	
11097-69-1	Arochlor-1254	380.	
11096-82-5	Arochlor-1260	150.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (0-0.5)

I Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K10

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 25. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	260.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	180.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K11

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	560.	
11096-82-5	Arochlor-1260	190.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K12

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	440.	
11097-69-1	Arochlor-1254	440.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K13

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	290.	
11096-82-5	Arochlor-1260	170.	U

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-15

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	49800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-16

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	25800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-17

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36200			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-18

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	71600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-19

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	77000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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DS-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-20

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	61100			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-21

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	64000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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OF (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-01

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	31300			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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OF (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-02

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	32000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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OF (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-03

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	50500			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-04

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	48600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-05

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	22400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-06

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	10600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-07

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	29400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-08

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19300			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-09

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	18000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-10

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

US-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-11

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

US-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-12

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

US-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-13

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19100			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

2E
SOIL SURROGATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	92	
2	OF (0-0.5)	147	
3	OF (0.5-1)	128	
4	OF (1-2)	92	
5	US-1 (0-0.5)	86	
6	US-2 (0-0.5)	133	
7	US-2 (0.5-1)	83	
8	US-2 (1-2)	99	
9	US-3 (0-0.5)	106	
10	US-3 (0.5-1)	IP	
11	US-3 (1-2)	90	
12	US-4 (0-0.5)	115	
13	DS-1 (1-2)	84	
14	DS-2 (0-0.5)	126	
15	DS-2 (0.5-1)	63	
16	DS-2 (1-2)	135	
17	PMSBU1	105	
18	US-1 (0-0.5) MS	135	
19	US-1 (0-0.5) MSD	147	
20	US-1 (0.5-1)	91	
21	US-1 (1-2)	107	
22	DS-1 (0-0.5)	109	
23	DS-1 (0.5-1)	100	
24	DS-3 (0-0.5)	120	
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

2E
SOIL PCB SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	93	
2	OF (0-0.5)	109	
3	OF (0.5-1)	93	
4	OF (1-2)	92	
5	US-1 (0-0.5)	87	
6	US-2 (0-0.5)	106	
7	US-2 (0.5-1)	85	
8	US-2 (1-2)	105	
9	US-3 (0-0.5)	119	
10	US-3 (0.5-1)	123	
11	US-3 (1-2)	98	
12	US-4 (0-0.5)	129	
13	DS-1 (1-2)	95	
14	DS-2 (0-0.5)	113	
15	DS-2 (0.5-1)	93	
16	DS-2 (1-2)	106	
17	US-1 (0.5-1)	82	
18	US-1 (1-2)	102	
19	DS-1 (0-0.5)	93	
20	DS-1 (0.5-1)	91	
21	DS-3 (0-0.5)	136	
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: US-1 (0-0.5)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	216.	.00	397.	184*	50-150
Arochlor-1260	216.	.00	262.	121	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	216.	663.	307*	50	50	50-150
Arochlor-1260	216.	211.	98	21	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: PMSBU01 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	168.00	101	50-150
Aroclor 1260	166.67	0.0	213.00	128	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

_____

_____

U.S. EPA - CLP

6

DUPLICATES

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	48600		35900		30.1	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

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FORM VI - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	51700		48600		26700	12	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

4C
PCB METHOD BLANK SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: CH 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Lab Sample ID: PBLKU1 Lab File ID: PBLKU1

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/16/02 Date Analyzed (2): 11/16/02

Time Analyzed (1): 9:55 Time Analyzed (2): 9:55

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	OF (0-0.5)	OF (0-0.5)	11/16/02	11/16/02
2	OF (0.5-1)	OF (0.5-1)	11/16/02	11/16/02
3	OF (1-2)	OF (1-2)	11/16/02	11/16/02
4	US-1 (0-0.5)	US-1 (0-0.5)	11/16/02	11/16/02
5	US-2 (0-0.5)	US-2 (0-0.5)	11/16/02	11/16/02
6	US-2 (0.5-1)	US-2 (0.5-1)	11/16/02	11/16/02
7	US-2 (1-2)	US-2 (1-2)	11/16/02	11/16/02
8	US-3 (0-0.5)	US-3 (0-0.5)	11/16/02	11/16/02
9	US-3 (0.5-1)	US-3 (0.5-1)	11/16/02	11/16/02
10	US-3 (1-2)	US-3 (1-2)	11/16/02	11/16/02
11	US-4 (0-0.5)	US-4 (0-0.5)	11/16/02	11/16/02
12	DS-1 (1-2)	DS-1 (1-2)	11/16/02	11/16/02
13	DS-2 (0-0.5)	DS-2 (0-0.5)	11/17/02	11/17/02
14	DS-2 (0.5-1)	DS-2 (0.5-1)	11/17/02	11/17/02
15	DS-2 (1-2)	DS-2 (1-2)	11/17/02	11/17/02
16	PMSBU01	PMSBU01	11/17/02	11/17/02
17	US-1 (0-0.5) MS	US-1 (0-0.5) MS	11/17/02	11/17/02
18	US-1 (0-0.5) MSD	US-1 (0-0.5) MSD	11/17/02	11/17/02
19	US-1 (0.5-1)	US-1 (0-0.5)	11/19/02	11/19/02
20	US-1 (1-2)	US-1 (1-2)	11/19/02	11/19/02
21	DS-1 (0-0.5)	DS-1 (0-0.5)	11/20/02	11/20/02
22	DS-1 (0.5-1)	DS-1 (0.5-1)	11/20/02	11/20/02
23	DS-3 (0-0.5)	DS-3 (0-0.5)	11/20/02	11/20/02
24				
25				
26				

Comments:

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKU01

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: PBLKU01

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLKU01

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: not dec. 100. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	33.	U
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	33.	U

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.[illegible]
Alkalinity											EPA 310.[illegible]
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U							Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U	100	U			Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.(
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

SAMPLE DATA

PACKAGE

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

Case Narrative

Client: URS Greiner Woodward Clyde - GE Tonawanda

Case: UR 0204

SDG: DS-1 (0-0.5)

Sample ID	Laboratory Sample ID	Date Received	VTSR	Matrix
OF (0-0.5)	021107K-01	11/07/02	09:00	Soil
OF (0.5-1.0)	021107K-02	11/07/02	09:00	Soil
OF (1.0-2.0)	021107K-03	11/07/02	09:00	Soil
US-1 (0-0.5)	021107K-04	11/07/02	09:00	Soil
US-1 (0.5-1.0)	021107K-05	11/07/02	09:00	Soil
US-1 (1.0-2.0)	021107K-06	11/07/02	09:00	Soil
US-2 (0-0.5)	021107K-07	11/07/02	09:00	Soil
US-2 (0.5-1.0)	021107K-08	11/07/02	09:00	Soil
US-2 (1.0-2.0)	021107K-09	11/07/02	09:00	Soil
US-3 (0-0.5)	021107K-10	11/07/02	09:00	Soil
US-3 (0.5-1.0)	021107K-11	11/07/02	09:00	Soil
US-3 (1.0-2.0)	021107K-12	11/07/02	09:00	Soil
US-4 (0-0.5)	021107K-13	11/07/02	09:00	Soil
DS-1 (0-0.5)	021107K-15	11/07/02	09:00	Soil
DS-1 (0.5-1.0)	021107K-16	11/07/02	09:00	Soil
DS-1 (1.0-2.0)	021107K-17	11/07/02	09:00	Soil
DS-2 (0-0.5)	021107K-18	11/07/02	09:00	Soil
DS-2 (0.5-1.0)	021107K-19	11/07/02	09:00	Soil
DS-2 (1.0-2.0)	021107K-20	11/07/02	09:00	Soil
DS-3 (0-0.5)	021107K-21	11/07/02	09:00	Soil

PCB's

1) Samples were analyzed using EPA Method 8082.

2) Peak area was used to calculate all values appearing in this data package.

3) The primary quantitation column is identified as DB1701 and the confirmation column is identified as DB608.

4) Please find after this narrative, a listing of the peaks used to identify and quantitate Aroclor constituents in this data package.

Adirondack Environmental Services, Inc.
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5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary.

6) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

7) Sample US-3 (0.5-1.0) had an interfering peak present that prevented quantitation of the surrogate. The surrogate recovery form is flagged with "IP" to denote this interfering peak.

8) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
OF (0-0.5)	021107K-01	1:4
OF (0.5-1.0)	021107K-02	1:4
OF (1.0-2.0)	021107K-03	1:4
US-1 (0-0.5)	021107K-04	1:4
US-2 (0-0.5)	021107K-07	1:4
US-2 (0.5-1.0)	021107K-08	1:4
US-2 (1.0-2.0)	021107K-09	1:4
US-3 (0-0.5)	021107K-10	1:4
US-3 (0.5-1.0)	021107K-11	1:4
US-3 (1.0-2.0)	021107K-12	1:4
US-4 (0-0.5)	021107K-13	1:4
DS-1 (1.0-2.0)	021107K-17	1:4
DS-2 (0-0.5)	021107K-18	1:4
DS-2 (0.5-1.0)	021107K-19	1:4
DS-2 (1.0-2.0)	021107K-20	1:4
DS-3 (0-0.5)	021107K-21	1:10

Conventionals

1) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 12 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 30.1 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

Adirondack
Environmental Services, Inc.

Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laboratory Manager

Date: 12/10/02

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11705595.00000

SITE NAME GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE) JENNIFER CHRISTY DAVID COFIELD

DELIVERY SERVICE: FED EX AIRBILL NO.: 821366420781

LAB ADIRONDACK

COOLER 1 of 1

PAGE 1 of 3

5°C

TESTS: PCB/TOC

BOTTLE TYPE AND PRESERVATIVE: 402 glass

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
OUTFALL	11-6-02	11:50	G	OF (0-0.5)	SE	1	021107 K01	N1	0	0.5	
OUTFALL		11:55	G	OF (0.5-1.0)		1	K02	N1	0.5	1.0	
OUTFALL		12:05	G	OF (1.0-2.0)		1	K03	N1	1.0	2.0	
UPSTREAM		12:25	G	US-1 (0-0.5) (*)		1	K04	N1	0	0.5	
		12:30	G	US-1 (0.5-1.0)		1	K05	N1	0.5	1.0	
		12:35	G	US-1 (1.0-2.0)		1	K06	N1	1.0	2.0	
		12:50	G	US-2 (0-0.5)		1	K07	N1	0	0.5	
		1255	G	US-2 (0.5-1.0)		1	K08	N1	0.5	1.0	
		13:00	G	US-2 (1.0-2.0)		1	K09	N1	1.0	2.0	
		13:15	G	US-3 (0-0.5)		1	K10	N1	0	0.5	
		13:20	G	US-3 (0.5-1.0)		1	K11	N1	0.5	1.0	
		13:25	G	US-3 (1.0-2.0)		1	K12	N1	1.0	2.0	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	16:30	[signature]	11/7/02	900

SPECIAL INSTRUCTIONS
STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE
Q+A KAREN PEPPIN URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE TONAWANDA -2 mile

LAB ADIRONDACK

COOLER 1 of 1

PAGE 2 of 3

SAMPLERS (PRINT/SIGNATURE) Jennifer Christy David Cofield

DELIVERY SERVICE: FedEx AIRBILL NO.: 821346420751

TESTS: PCB Toc

BOTTLE TYPE AND PRESERVATIVE: 4oz glass

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	4oz glass	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
UPSTREAM	11/6/02	13:30	G	US-4 (0-0.5)	SE	1	1	021107 K13	N1	0	0.5	
		13:35	G	US-4 (0.5-1.0) (*)		1	1	K14		0.5	1.0	
				~~US-4 (1.0-2.0)~~		1				1.0	2.0	
DOWNSTREAM		11:05	G	DS-1 (0-0.5)		1	1	K15		0	0.5	
		11:10	G	DS-1 (0.5-1.0)		1	1	K16		0.5	1.0	
		11:15	G	DS-1 (1.0-2.0)		1	1	K17		1.0	2.0	
		10:45	G	DS-2 (0-0.5)		1	1	K18		0	0.5	
		10:50	G	DS-2 (0.5-1.0)		1	1	K19		0.5	1.0	
		10:55	G	DS-2 (1.0-2.0)		1	1	K20		1.0	2.0	
		10:15	G	DS-3 (0-0.5)		1	1	K21		0	0.5	
		10:20	G	DS-3 (0.5-1.0)		1	1	K22		0.5	1.0	
		10:25	G	DS-3 (1.0-2.0)		1	1	K23		1.0	2.0	

-K

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	1632	M L	11/7/02	900

SPECIAL INSTRUCTIONS
STANDARD TURN AROUND)
SAMPLES SHIPPED ON ICE
Q+A Karen Peppin - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE Tonawanda - 2mile

SAMPLERS (PRINT/SIGNATURE) Jen Chrisby David Cofield

LAB ADIRONDACK

COOLER 1 of 1

PAGE 3 of 3

5°C

DELIVERY SERVICE: FED EX AIRBILL NO.: 821366420781

TESTS: PCB/TOC | PCB | PCB | TOC

BOTTLE TYPE AND PRESERVATIVE: 40z glass | 3-1L clear | 1-1L Amber | 4 125ml poly

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	40z glass	3-1L clear	1-1L Amber	4 125ml poly				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
Downstream	11/6/02	09:45	G	DS-4 (0-0.5)	SE	1	1				021107	K24		~~0350~~	N1	0	0.5	
~~—↓—~~				~~DS-4 (0.5-1.0)~~		1									N1	0.5	1.0	
~~—↓—~~				~~DS-4 (1.0-2.0)~~		1									N1	1.0	2.0	
DUP-1		10:15	G	DUP-1		1	1						K25	DUP-1	FR1			
MS1		12:25	G	MS-1 (US-1) (0-0.5)	*	1	1					K04		MS-1	MS1			
MSD1		12:25	G	MSD-1 (US-1) (0-0.5)		1	1							MSD-1	MSD1			
DUP-2		12:50	G	DUP-2		1	1						K26	DUP-2	FR2			
MS-2		13:35	G	MS-2 (US-4) (0.5-1.0)	*	1	1					K14		MS-2	MS2			
MSD2		13:35	G	MSD-2 (US-4) (0.5-1.0)		1	1							MSD-2	MSD2			
Equipment blank		14:00		EB-1	WQ	~~8~~ 7	~~8~~	3	10	4			K27	Equip. Blank	RB1			
						*	(1) Bottle Broken in transit *											

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	11/6/02	16:30	M	11/7/02	900

SPECIAL INSTRUCTIONS
STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE
Q+A Karen Pegan - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

69

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K01 Client Sample ID OF (0-0.5) # Bottles: 1

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K02 Client Sample ID OF (0-5-1.0) # Bottles: 1

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K03 Client Sample ID OF (1.0-2.0) # Bottles: 1

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

mple # 021107 K04 Client Sample ID US-1 (0-0.5) # Bottles: 3

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
2							
3							
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K05 Client Sample ID US-1 (0.5-1.0) # Bottles: 1

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K06 Client Sample ID US-1 (1.0-2.0) # Bottles: 1

Bottle	Relinquished	Out Received	Date/Time	Relinquished	Back Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	PH, TS, TOC
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K07 Client Sample ID US-2 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K08 Client Sample ID US-2 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K09 Client Sample ID US-2 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K10 Client Sample ID US-3 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K11 Client Sample ID US-3 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K12 Client Sample ID US-3 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	Ph, TOC, TS
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K13 Client Sample ID US-4 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	TOC, TS, PH
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K14 Client Sample ID US-4 (0.5-1.0) # Bottles: 3

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	TS, TOC, PH
2	ML (not)						
3							
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K15 Client Sample ID DS-1 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	TS, TOC, PH
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K16 Client Sample ID DS-1 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K17 Client Sample ID DS-1 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K18 Client Sample ID DS-2 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Coil	11/20/02 1600	Mark Coil	ML	11/20/02 1900	PH, TS, TOC
1	ML	KS Fuller	11/11/02 10:00	KS Fuller	ML	11/11/02 16:00	PCB

Adirondack Environmental Services
Internal Chain of Custody
AES Project # 021107 K

Sample # 021107 K19 Client Sample ID DS-2 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K20 Client Sample ID DS-2 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K21 Client Sample ID DS-3 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K22 Client Sample ID DS-3 (0.5-1.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K23 Client Sample ID DS-3 (1.0-2.0) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

Sample # 021107 K24 Client Sample ID DS-4 (0-0.5) # Bottles: 1

Bottle	Out Relinquished	Received	Date/Time	Back Relinquished	Received	Date/Time	Analysis
1	ML	Mark Call	11/20/02 1600	Mark Call	ML	11/20/02 1900	TOC, TS, PH
1	ML	28 Fuller	11/11/02 10:00	28 Fuller	ML	11/11/02 16:00	PCB

PCB

ANALYSIS

QC

SUMMARY

2E
SOIL SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	92	
2	OF (0-0.5)	147	
3	OF (0.5-1)	128	
4	OF (1-2)	92	
5	US-1 (0-0.5)	86	
6	US-2 (0-0.5)	133	
7	US-2 (0.5-1)	83	
8	US-2 (1-2)	99	
9	US-3 (0-0.5)	106	
10	US-3 (0.5-1)	IP	
11	US-3 (1-2)	90	
12	US-4 (0-0.5)	115	
13	DS-1 (1-2)	84	
14	DS-2 (0-0.5)	126	
15	DS-2 (0.5-1)	63	
16	DS-2 (1-2)	135	
17	PMSBU1	105	
18	US-1 (0-0.5) MS	135	
19	US-1 (0-0.5) MSD	147	
20	US-1 (0.5-1)	91	
21	US-1 (1-2)	107	
22	DS-1 (0-0.5)	109	
23	DS-1 (0.5-1)	100	
24	DS-3 (0-0.5)	120	
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

FORM II PEST-1 1/87 Rev.

2E
SOIL PCB SURROGATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	93	
2	OF (0-0.5)	109	
3	OF (0.5-1)	93	
4	OF (1-2)	92	
5	US-1 (0-0.5)	87	
6	US-2 (0-0.5)	106	
7	US-2 (0.5-1)	85	
8	US-2 (1-2)	105	
9	US-3 (0-0.5)	119	
10	US-3 (0.5-1)	123	
11	US-3 (1-2)	98	
12	US-4 (0-0.5)	129	
13	DS-1 (1-2)	95	
14	DS-2 (0-0.5)	113	
15	DS-2 (0.5-1)	93	
16	DS-2 (1-2)	106	
17	US-1 (0.5-1)	82	
18	US-1 (1-2)	102	
19	DS-1 (0-0.5)	93	
20	DS-1 (0.5-1)	91	
21	DS-3 (0-0.5)	136	
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: US-1 (0-0.5)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	216.	.00	397.	184*	50-150
Arochlor-1260	216.	.00	262.	121	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	216.	663.	307*	50	50	50-150
Arochlor-1260	216.	211.	98	21	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: PMSBU01 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	168.00	101	50-150
Aroclor 1260	166.67	0.0	213.00	128	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

4C
PCB METHOD BLANK SUMMARY

Name: AES, INC. Contract:

Lab Code: AES Case No.: CH 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Lab Sample ID: PBLKU1 Lab File ID: PBLKU1

Matrix: (soil/water) SOIL Level: (low/med) LOW

Date Extracted: 11/11/02 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 11/16/02 Date Analyzed (2): 11/16/02

Time Analyzed (1): 9:55 Time Analyzed (2): 9:55

Instrument ID (1): VAR1 Instrument ID (2): VAR1

GC Column ID (1): DB1701 GC Column ID (2): DB 608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	OF (0-0.5)	OF (0-0.5)	11/16/02	11/16/02
2	OF (0.5-1)	OF (0.5-1)	11/16/02	11/16/02
3	OF (1-2)	OF (1-2)	11/16/02	11/16/02
4	US-1 (0-0.5)	US-1 (0-0.5)	11/16/02	11/16/02
5	US-2 (0-0.5)	US-2 (0-0.5)	11/16/02	11/16/02
6	US-2 (0.5-1)	US-2 (0.5-1)	11/16/02	11/16/02
7	US-2 (1-2)	US-2 (1-2)	11/16/02	11/16/02
8	US-3 (0-0.5)	US-3 (0-0.5)	11/16/02	11/16/02
9	US-3 (0.5-1)	US-3 (0.5-1)	11/16/02	11/16/02
10	US-3 (1-2)	US-3 (1-2)	11/16/02	11/16/02
11	US-4 (0-0.5)	US-4 (0-0.5)	11/16/02	11/16/02
12	DS-1 (1-2)	DS-1 (1-2)	11/16/02	11/16/02
13	DS-2 (0-0.5)	DS-2 (0-0.5)	11/17/02	11/17/02
14	DS-2 (0.5-1)	DS-2 (0.5-1)	11/17/02	11/17/02
15	DS-2 (1-2)	DS-2 (1-2)	11/17/02	11/17/02
16	PMSBU01	PMSBU01	11/17/02	11/17/02
17	US-1 (0-0.5) MS	US-1 (0-0.5) MS	11/17/02	11/17/02
18	US-1 (0-0.5) MSD	US-1 (0-0.5) MSD	11/17/02	11/17/02
19	US-1 (0.5-1)	US-1 (0-0.5)	11/19/02	11/19/02
20	US-1 (1-2)	US-1 (1-2)	11/19/02	11/19/02
21	DS-1 (0-0.5)	DS-1 (0-0.5)	11/20/02	11/20/02
22	DS-1 (0.5-1)	DS-1 (0.5-1)	11/20/02	11/20/02
23	DS-3 (0-0.5)	DS-3 (0-0.5)	11/20/02	11/20/02
24				
25				
26				

Comments:

Adirondack Environmental Services, Inc.
Experience is the solution
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MDL STUDY VAR-1 10/8/02

UNITS = ug/L

COLUMN: DB1701

True Value (ug/L): 0.050

Compound	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	Std Dev	MDL (ppb)	MDL (ppt)
Aroclor 1016	0.0426	0.0402	0.038	0.0532	0.0478	0.0468	0.0496	0.00541	0.01701	17.01
Aroclor 1260	0.0532	0.0622	0.0474	0.0564	0.0584	0.0528	0.0494	0.00514	0.01616	16.16

Percent Recovery

Compound	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	Average Recovery
Aroclor 1016	85.2	80.4	76.0	106.4	95.6	93.6	99.2	90.9
Aroclor 1260	106.4	124.4	94.8	112.8	116.8	105.6	98.8	108.5

SAMPLE

DATA

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K15

Level: (low/med) LOW Date Received: 11/07/02

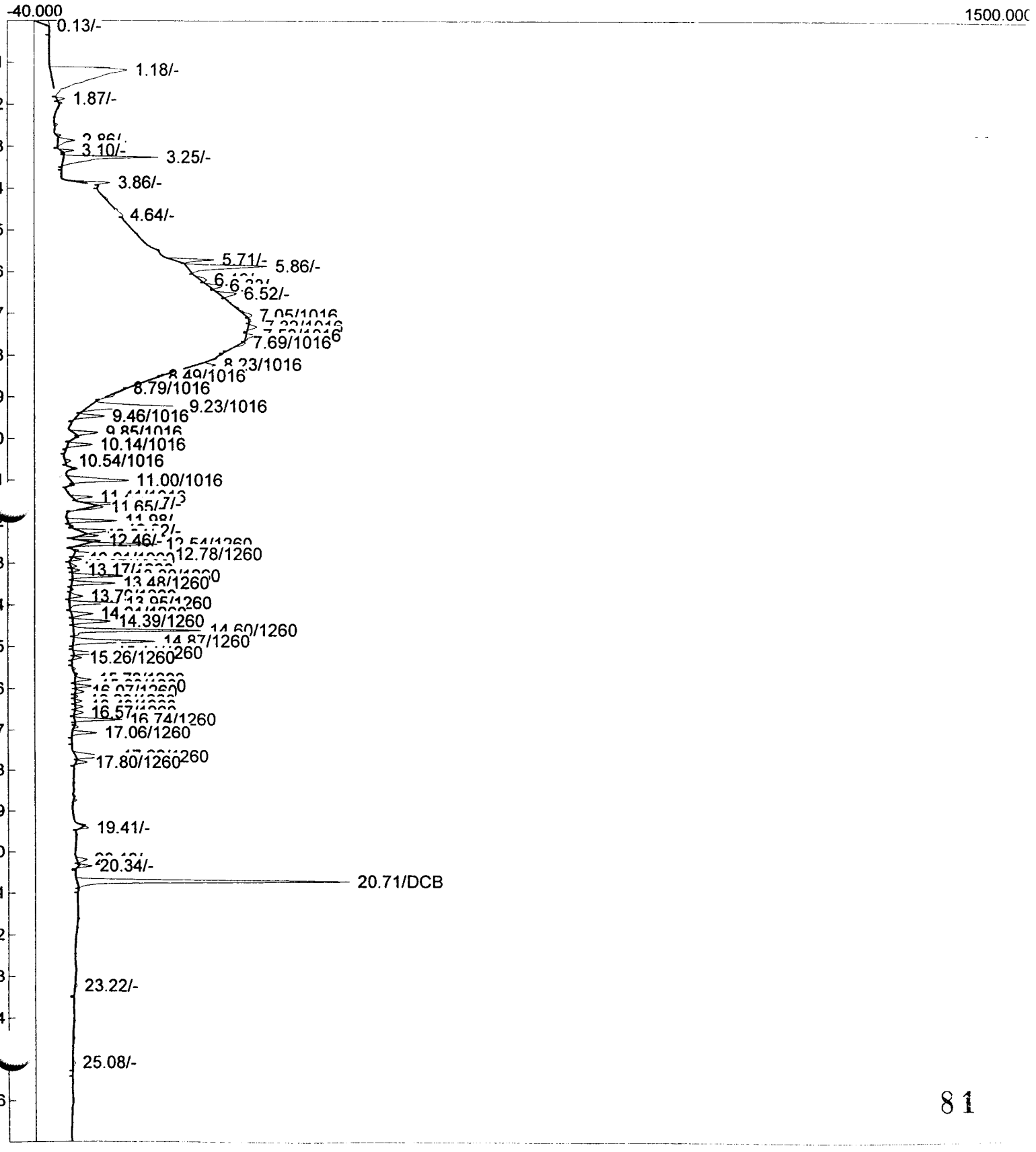
% Moisture: not dec. 16. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	140.	
11097-69-1	Arochlor-1254	180.	
11096-82-5	Arochlor-1260	39.	U

Lab name: AES
Analysis date: 11/20/2002 01:06:30
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B966.chr () 30-10
Sample: 1107K15 DS-1 (0-0.5)
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.13	89.51	0	0.0000 -		DB1701	1107K15 DS-1 (0-
1.18	2081.77	0	0.0000 -		DB1701	1107K15 DS-1 (0-
1.87	36.37	0	0.0000 -		DB1701	1107K15 DS-1 (0-
2.86	145.46	0	0.0000 -		DB1701	1107K15 DS-1 (0-
3.10	55.20	0	0.0000 -		DB1701	1107K15 DS-1 (0-
3.25	705.71	0	0.0000 -		DB1701	1107K15 DS-1 (0-
3.86	139.81	0	0.0000 -		DB1701	1107K15 DS-1 (0-
4.64	62.09	0	0.0000 -		DB1701	1107K15 DS-1 (0-
0.00	0.00	6	0.0000 TCMX		DB1701	1107K15 DS-1 (0-
5.71	238.46	0	0.0000 -		DB1701	1107K15 DS-1 (0-
5.86	665.40	0	0.0000 -		DB1701	1107K15 DS-1 (0-
6.19	64.24	0	0.0000 -		DB1701	1107K15 DS-1 (0-
6.33	105.18	0	0.0000 -		DB1701	1107K15 DS-1 (0-
6.52	139.97	0	0.0000 -		DB1701	1107K15 DS-1 (0-
7.05	91.33	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
7.32	68.78	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
7.53	69.52	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
7.69	49.83	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
8.23	176.14	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
8.49	47.04	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
8.79	70.54	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
0.00	0.00	2	0.0000 1016 total		DB1701	1107K15 DS-1 (0-
9.23	804.66	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
9.46	182.17	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
9.85	169.59	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
10.14	162.42	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
10.54	35.01	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
11.00	483.81	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
11.41	115.01	1	0.0000 1016		DB1701	1107K15 DS-1 (0-
11.57	143.48	0	0.0000 -		DB1701	1107K15 DS-1 (0-
11.65	103.72	0	0.0000 -		DB1701	1107K15 DS-1 (0-
11.98	277.06	0	0.0000 -		DB1701	1107K15 DS-1 (0-
12.22	234.57	0	0.0000 -		DB1701	1107K15 DS-1 (0-
12.34	81.26	0	0.0000 -		DB1701	1107K15 DS-1 (0-
12.46	60.54	0	0.0000 -		DB1701	1107K15 DS-1 (0-
12.54	379.87	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
12.78	487.48	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
12.91	49.45	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.07	37.80	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.17	38.67	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.30	328.13	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.48	251.42	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.79	87.47	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
13.95	292.45	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
14.21	148.98	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
14.39	277.71	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
14.60	747.82	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
14.87	590.22	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
15.14	194.97	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
15.26	41.12	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
0.00	0.00	4	0.0000 1260 TOTAL		DB1701	1107K15 DS-1 (0-
15.78	99.78	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
15.93	91.13	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
16.07	49.86	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
16.29	37.04	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
16.43	42.68	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
16.57	57.20	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
16.74	261.78	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
17.06	150.04	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
17.66	307.54	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
17.80	62.84	3	0.0000 1260		DB1701	1107K15 DS-1 (0-
19.41	34.38	0	0.0000 -		DB1701	1107K15 DS-1 (0-
20.18	80.22	0	0.0000 -		DB1701	1107K15 DS-1 (0-
20.34	69.65	0	0.0000 -		DB1701	1107K15 DS-1 (0-
20.71	1715.08	5	108.7010 DCB		DB1701	1107K15 DS-1 (0-
23.22	26.57	0	0.0000 -		DB1701	1107K15 DS-1 (0-
25.08	30.38	0	0.0000 -		DB1701	1107K15 DS-1 (0-
	15025.39	64	108.7010			

30-10

1248

1451.18

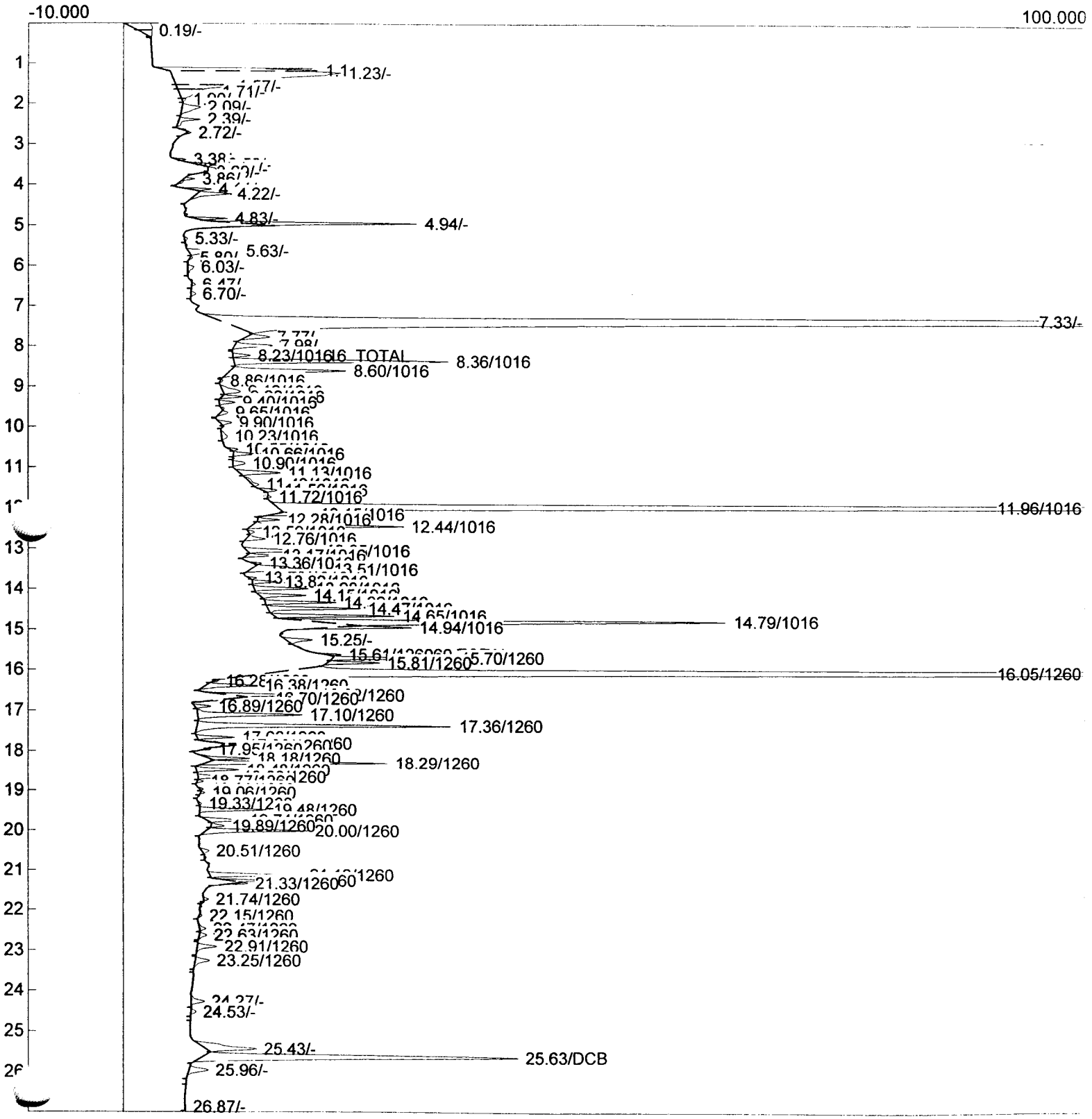
140

1839.21

180

1094

Lab name: AES
Analysis date: 11/20/2002 01:06:30
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C966.chr ()
Sample: ~~1105~~K15 DS-1 (0-0.5)30-10 1107 K15
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	23.02 -		0.0000 608	1107	~~1105~~K15 DS-1 (0-0.5)30-10
0.19	8.55 -		0.0000 608	K15	1105K15 DS-1 (0-0.5)30-10
1.17	68.38 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
1.23	232.95 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
1.57	30.12 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
1.71	28.03 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
1.90	1.66 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
2.09	15.93 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
2.39	9.91 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
2.72	1.54 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
3.38	2.05 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
3.50	8.51 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
3.61	3.28 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
3.69	1.58 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
3.86	5.14 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
4.11	6.67 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
4.22	17.39 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
4.83	8.83 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
4.94	56.87 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
5.33	1.66 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
5.63	22.68 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
5.80	1.09 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
6.03	5.18 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
6.47	1.55 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
6.70	2.87 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
7.33	1778.35 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
7.77	11.80 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
7.98	19.71 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
8.23	1886.49	1016 TOTAL	1.4749 608		1105K15 DS-1 (0-0.5)30-10
8.23	7.05	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
8.36	96.41	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
8.60	71.82	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
8.86	1.05	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
9.12	13.91	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
9.26	7.45	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
9.40	6.73	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
9.65	4.31	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
9.90	5.28	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
10.23	5.16	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
10.55	2.59	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
10.66	8.37	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
10.90	7.12	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
11.13	20.20	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
11.42	5.33	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
11.56	6.35	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
11.72	1.37	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
11.96	1054.68	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
12.15	13.67	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
12.28	7.32	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
12.44	60.43	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
12.59	2.48	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
12.76	8.81	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.05	30.10	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.17	9.78	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.36	2.15	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.51	42.34	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.72	2.12	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.82	9.11	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
13.98	22.26	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.15	18.40	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.32	27.06	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.47	37.92	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.65	43.50	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.79	197.65	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
14.94	26.20	1016	0.0000 608		1105K15 DS-1 (0-0.5)30-10
15.25	13.20 -		0.0000 608		1105K15 DS-1 (0-0.5)30-10
15.61	2077.87	1260 TOTAL	0.8809 608		1105K15 DS-1 (0-0.5)30-10
15.61	3.67	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
15.70	39.57	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
15.81	17.69	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.05	1436.74	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.28	1.04	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.38	23.40	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.62	29.33	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.70	12.78	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
16.89	6.12	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
17.10	50.48	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10
17.36	112.94	1260	0.0000 608		1105K15 DS-1 (0-0.5)30-10

17.66	14.40	1260	0.0000	608	1107 ~~1105~~K15 DS-1 (0-0.5)30-10
17.80	11.87	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
17.86	3.21	1260	0.0000	608	K15 1105K15 DS-1 (0-0.5)30-10
17.95	2.08	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
18.18	15.17	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
18.29	72.34	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
18.48	18.33	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
18.66	15.16	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
77	1.95	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
98	1.29	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
19.06	1.37	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
19.33	1.30	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
19.48	27.73	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
19.74	16.23	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
19.89	5.21	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
20.00	44.41	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
20.51	4.29	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
21.12	39.28	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
21.26	11.19	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
21.33	5.03	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
21.74	1.99	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
22.15	1.16	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
22.47	4.02	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
22.63	4.41	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
22.91	11.04	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
23.25	9.65	1260	0.0000	608	1105K15 DS-1 (0-0.5)30-10
24.27	9.06	-	0.0000	608	1105K15 DS-1 (0-0.5)30-10
24.53	2.98	-	0.0000	608	1105K15 DS-1 (0-0.5)30-10
25.43	40.23	-	0.0000	608	1105K15 DS-1 (0-0.5)30-10
25.63	214.76	DCB	93.2652	608	1105K15 DS-1 (0-0.5)30-10
25.96	13.48	-	0.0000	608	1105K15 DS-1 (0-0.5)30-10
26.87	1.13	-	0.0000	608	1105K15 DS-1 (0-0.5)30-10
	10598.87		95.6210		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K16

Level: (low/med) LOW Date Received: 11/07/02

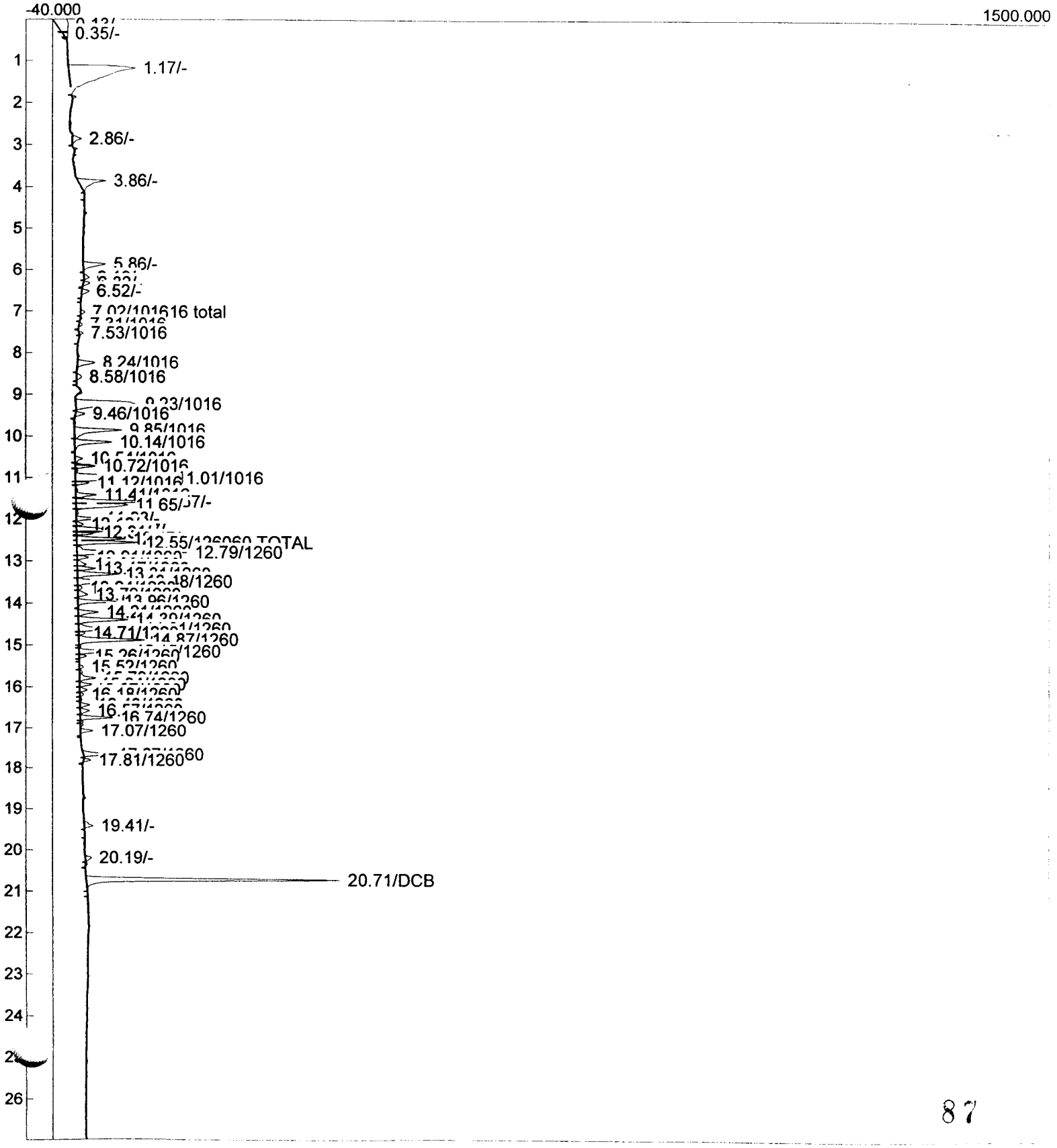
% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	180.	
11097-69-1	Arochlor-1254	200.	
11096-82-5	Arochlor-1260	42.	U

Lab name: AES
Analysis date: 11/20/2002 01:49:30
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B967.chr ()
Sample: 1107K16 DS-1 (0.5-1) 30-10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.13	304.43	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
0.35	39.77	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
1.17	1742.39	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
2.86	85.60	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
3.86	299.86	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
0.00	0.00	6	0.0000	TCMX	DB1701	1107K1 1 (0.5
5.86	197.56	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
6.19	42.93	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
6.32	45.47	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
6.52	58.49	0	0.0000 -		DB1701	1107K16 DS-1 (0.5
7.02	34.02	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
7.02	3114.76	2	0.3976	1016 total	DB1701	1107K16 DS-1 (0.5
7.31	26.02	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
7.53	25.07	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
8.24	154.75	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
8.58	49.51	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
9.23	747.08	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
9.46	69.49	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
9.85	425.53	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
10.14	295.39	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
10.54	61.74	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
10.72	103.81	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
11.01	907.80	1	0.0000	1016	DB1701	1107K16 DS-1 (0.5
11.12	75.90	1	0.0000	1016	DB1701	1107K16 DS-1 (0.
11.41	138.62	1	0.0000	1016	DB1701	1107K16 DS-1 (0.
11.57	478.54	0	0.0000 -		DB1701	1107K16 DS-1 (0.
11.65	460.67	0	0.0000 -		DB1701	1107K16 DS-1 (0.
11.98	129.84	0	0.0000 -		DB1701	1107K16 DS-1 (0.
12.12	45.80	0	0.0000 -		DB1701	1107K16 DS-1 (0.
12.27	274.80	0	0.0000 -		DB1701	1107K16 DS-1 (0.
12.31	90.88	0	0.0000 -		DB1701	1107K16 DS-1 (0.
12.47	267.28	0	0.0000 -		DB1701	1107K16 DS-1 (0.
12.55	389.25	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
12.55	5089.50	4	0.3580	1260 TOTAL	DB1701	1107K16 DS-1 (0.
12.79	685.63	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
12.91	73.07	3	0.0000	1260	DB1701	1107K 1 (0.
13.08	75.06	3	0.0000	1260	DB1701	1107K16 S-1 (0.
13.17	113.00	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
13.31	290.98	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
13.48	394.02	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
13.64	34.62	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
13.79	84.31	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
13.96	235.12	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
14.21	141.87	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
14.39	361.67	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
14.61	375.84	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
14.71	39.72	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
14.87	494.97	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
15.15	287.46	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
15.26	45.46	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
15.52	32.01	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
15.79	121.40	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
15.94	81.27	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
16.07	53.96	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
16.18	27.27	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
16.43	67.56	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
16.57	74.82	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
16.74	193.70	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
17.07	81.00	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
17.67	195.07	3	0.0000	1260	DB1701	1107K16 DS-1 (0.
17.81	39.38	3	0.0000	1260	DB1701	1107K16 DS-1 (0
19.41	74.28	0	0.0000 -		DB1701	1107K16 DS-1 (0
20.19	50.90	0	0.0000 -		DB1701	1107K16 DS-1 (0
20.71	1573.73	5	99.7421	DCB	DB1701	1107K16 DS-1 (0.
	22671.73	63	100.4977			

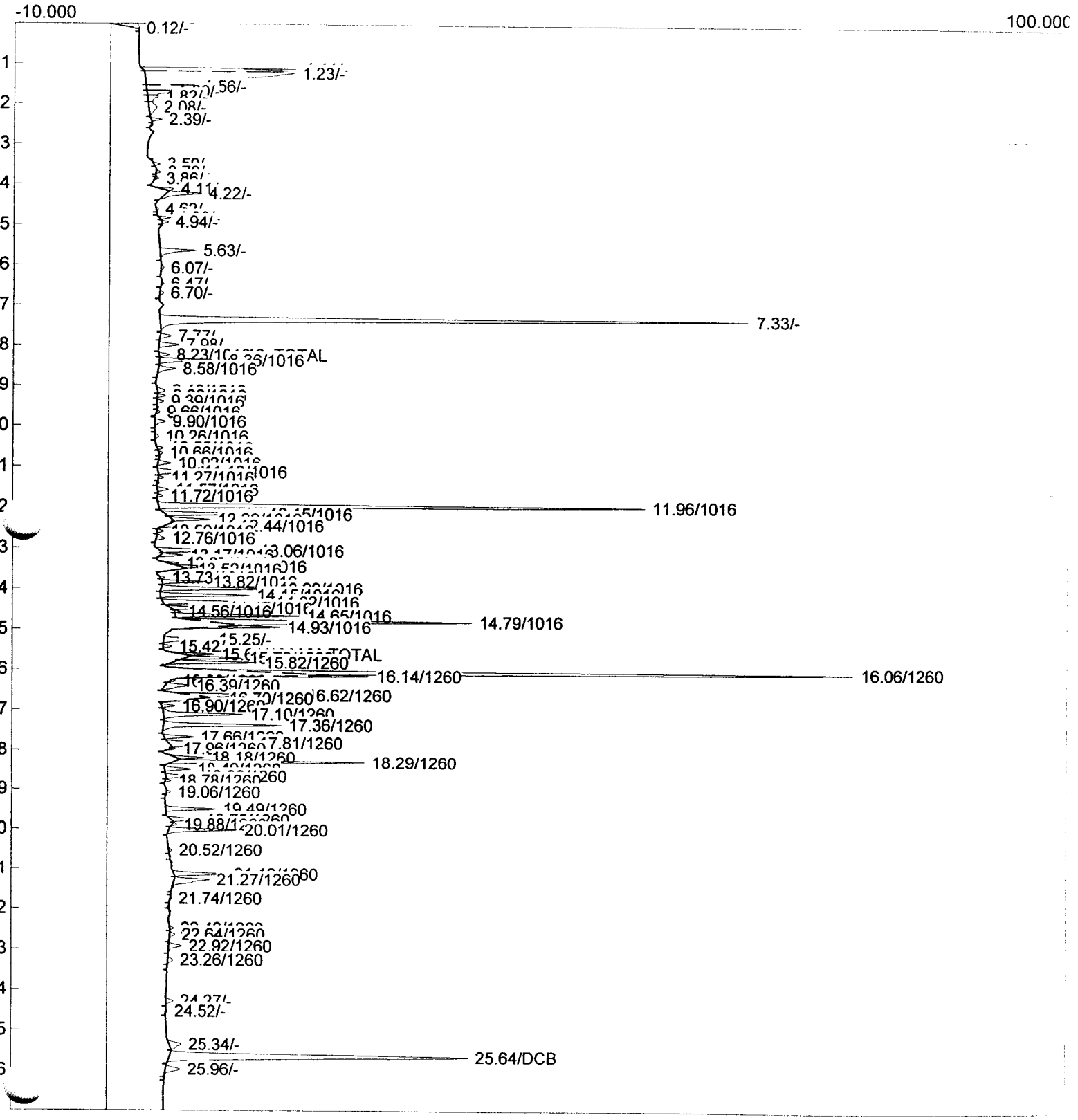
30 - 10

1706.2 / 180

1898.16 / 200

100%

Lab name: AES
Analysis date: 11/20/2002 01:49:30
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C967.chr ()
Sample: ~~1105~~K16DS-1 (0.5-1)30-10 1107K16
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	11.33 -		0.0000 608	1107	~~1105~~K16DS-1 (0.5-1)30-10
1.11	69.61 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
1.23	213.87 -		0.0000 608	K16	1105K16DS-1 (0.5-1)30-10
1.56	32.95 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
1.69	13.95 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
1.82	7.63 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
2.08	10.88 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
2.39	3.74 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
3.50	2.46 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
3.70	1.53 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
3.86	1.49 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
4.11	3.95 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
4.22	19.15 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
4.62	1.28 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
4.83	3.54 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
4.94	2.22 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
5.63	18.94 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
6.07	2.26 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
6.47	1.18 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
6.70	2.23 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
7.33	309.82 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
7.77	5.67 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
7.98	9.95 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
8.23	805.49	1016 TOTAL	0.6298 608		1105K16DS-1 (0.5-1)30-10
8.23	4.21	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
8.36	28.50	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
8.58	10.05	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
9.13	4.75	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
9.26	2.98	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
9.39	3.07	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
9.66	1.82	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
9.90	6.35	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
10.26	2.24	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
10.55	2.20	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
10.66	1.88	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
10.92	5.76	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
11.13	20.39	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
11.27	1.99	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
11.57	5.11	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
11.72	2.02	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
11.96	201.11	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
12.15	36.67	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
12.29	13.56	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
12.44	27.22	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
12.59	2.49	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
12.76	4.91	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.06	37.84	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.17	7.93	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.37	2.87	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.45	10.43	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.52	4.10	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.73	1.47	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.82	16.55	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
13.99	46.06	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.15	35.17	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.32	41.85	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.47	18.89	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.56	1.29	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.65	45.48	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.79	124.80	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
14.93	21.49	1016	0.0000 608		1105K16DS-1 (0.5-1)30-10
15.25	21.47 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
15.42	3.21 -		0.0000 608		1105K16DS-1 (0.5-1)30-10
15.61	9.76	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
15.61	767.80	1260 TOTAL	0.3255 608		1105K16DS-1 (0.5-1)30-10
15.70	18.53	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
15.82	30.82	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.06	219.74	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.14	21.63	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.28	1.44	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.39	13.79	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.62	37.76	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.70	11.37	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
16.90	4.74	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
17.10	39.58	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
17.36	52.91	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
17.66	11.41	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10
17.81	43.43	1260	0.0000 608		1105K16DS-1 (0.5-1)30-10

17.96	2.03	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
18.18	10.31	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
18.29	76.86	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
18.49	11.38	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
18.66	12.34	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
18.78	1.91	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
19.06	1.45	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
19.49	22.82	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
5	12.93	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
88	1.85	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
20.01	30.15	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
20.52	1.69	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
21.12	23.67	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
21.27	23.58	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
21.74	1.12	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
22.48	2.67	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
22.64	3.15	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
22.92	7.56	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
23.26	3.42	1260	0.0000	608	1105K16DS-1 (0.5-1)30-10
24.27	4.25	-	0.0000	608	1105K16DS-1 (0.5-1)30-10
24.52	1.02	-	0.0000	608	1105K16DS-1 (0.5-1)30-10
25.34	10.27	-	0.0000	608	1105K16DS-1 (0.5-1)30-10
25.64	209.31	DCB	90.8993	608	1105K16DS-1 (0.5-1)30-10
25.96	10.63	-	0.0000	608	1105K16DS-1 (0.5-1)30-10
	4156.36		91.8545		

1107
K16

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K17

Level: (low/med) LOW Date Received: 11/07/02

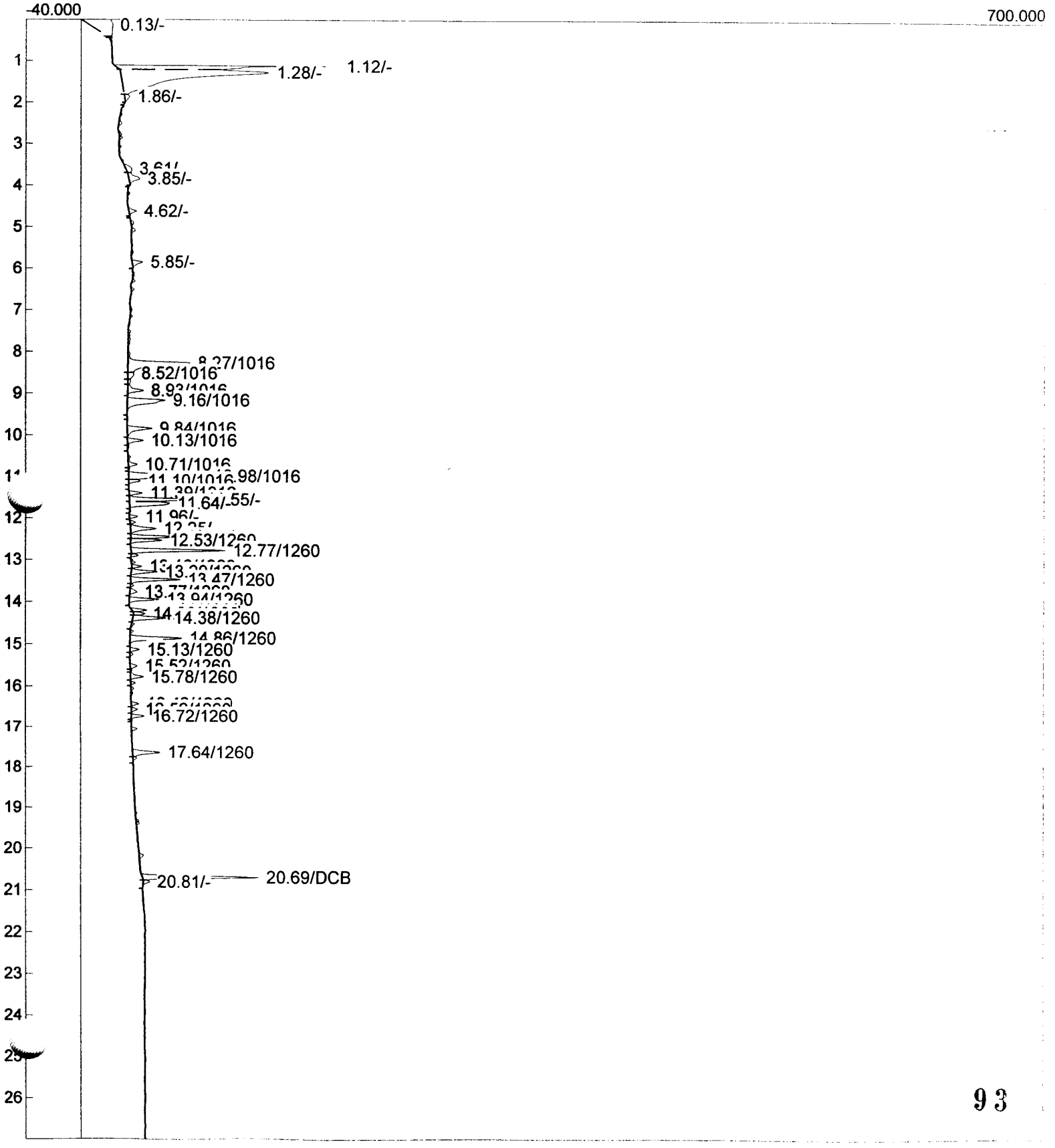
% Moisture: not dec. 21. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	300.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 23:32:00
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b945.chr () 30-10x4
Sample: 1107K17 DS-1 (1-2)
Operator: KEN FULLER



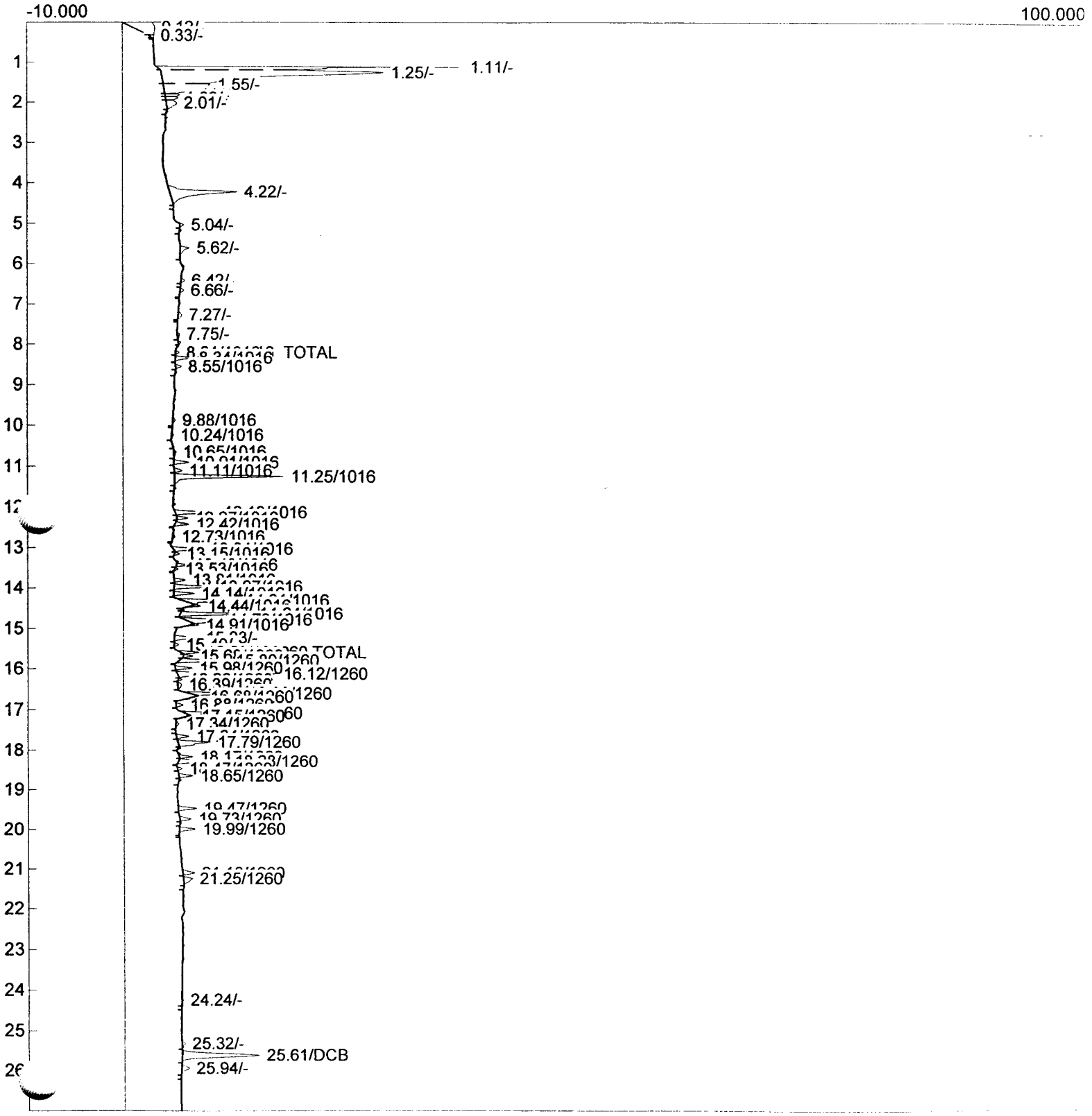
Retention	Area	Number	External	Component	Column	
0.13	324.21	0	0.0000 -		DB1701	1107K17 DS-1 (1
1.12	584.16	0	0.0000 -		DB1701	1107K17 DS-1 (1
1.28	1489.40	0	0.0000 -		DB1701	1107K17 DS-1 (1
1.86	27.12	0	0.0000 -		DB1701	1107K17 DS-1 (1
3.61	42.80	0	0.0000 -		DB1701	1107K1[illegible]-1 (1
3.85	67.60	0	0.0000 -		DB1701	1107K1[illegible]-1 (1
4.62	29.70	0	0.0000 -		DB1701	1107K17 DS-1 (1
0.00	0.00	6	0.0000 TCMX		DB1701	1107K17 DS-1 (1
5.85	41.10	0	0.0000 -		DB1701	1107K17 DS-1 (1
8.27	326.98	1	0.0000 1016		DB1701	1107K17 DS-1 (1
8.52	35.99	1	0.0000 1016		DB1701	1107K17 DS-1 (1
8.93	63.26	1	0.0000 1016		DB1701	1107K17 DS-1 (1
9.16	206.52	1	0.0000 1016		DB1701	1107K17 DS-1 (1
0.00	0.00	2	0.0000 1016 total		DB1701	1107K17 DS-1 (1
9.84	101.51	1	0.0000 1016		DB1701	1107K17 DS-1 (1
10.13	55.07	1	0.0000 1016		DB1701	1107K17 DS-1 (1
10.71	33.45	1	0.0000 1016		DB1701	1107K17 DS-1 (1
10.98	297.17	1	0.0000 1016		DB1701	1107K17 DS-1 (1
11.10	33.02	1	0.0000 1016		DB1701	1107K17 DS-1 (1
11.39	38.23	1	0.0000 1016		DB1701	1107K17 DS-1 (1
11.55	203.45	0	0.0000 -		DB1701	1107K17 DS-1 (1
11.64	176.43	0	0.0000 -		DB1701	1107K17 DS-1 (1
11.96	22.07	0	0.0000 -		DB1701	1107K17 DS-1 (1
12.25	101.02	0	0.0000 -		DB1701	1107K17 DS-1 (1
12.45	129.43	0	0.0000 -		DB1701	1107K17 DS-1 (1
12.53	95.81	3	0.0000 1260		DB1701	1107K17 DS-1 (1
12.77	266.72	3	0.0000 1260		DB1701	1107K17 DS-1 (1
13.16	24.00	3	0.0000 1260		DB1701	1107K17 DS-1 (1
13.29	82.91	3	0.0000 1260		DB1701	1107K17 DS-1 (1
13.47	148.66	3	0.0000 1260		DB1701	1107K17 DS-1 (1
13.77	28.11	3	0.0000 1260		DB1701	1107K17 DS-1 (1
13.94	84.43	3	0.0000 1260		DB1701	1107K17 DS-1 (1
14.20	38.14	3	0.0000 1260		DB1701	1107K17 DS-1 (1
14.28	30.82	3	0.0000 1260		DB1701	1107K17 DS-1 (1
14.38	110.04	3	0.0000 1260		DB1701	1107K1[illegible]-1 (1
14.86	181.45	3	0.0000 1260		DB1701	1107K1[illegible]-1 (1
15.13	27.16	3	0.0000 1260		DB1701	1107K17 DS-1 (1
0.00	0.00	4	0.0000 1260 TOTAL		DB1701	1107K17 DS-1 (1
15.52	26.05	3	0.0000 1260		DB1701	1107K17 DS-1 (1
15.78	45.02	3	0.0000 1260		DB1701	1107K17 DS-1 (1
16.42	21.55	3	0.0000 1260		DB1701	1107K17 DS-1 (1
16.56	20.33	3	0.0000 1260		DB1701	1107K17 DS-1 (1
16.72	37.78	3	0.0000 1260		DB1701	1107K17 DS-1 (1
17.64	105.51	3	0.0000 1260		DB1701	1107K17 DS-1 (1
20.69	331.61	5	21.0171 DCB		DB1701	1107K17 DS-1 (1
20.81	22.07	0	0.0000 -		DB1701	1107K17 DS-1 (1
	6157.83	43	21.0171			

30-10 x 4

1248
726.07
300 ug/Kg

1248
652.51
270

Lab name: AES
Analysis date: 11/16/2002 23:32:00
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C945.chr ()
`ample: 1107K17 DS-1 (1-2)30-10 x4
`perator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	38.10 -		0.0000 608		1107K17 DS-1 (1-2)30-10
0.33	1.74 -		0.0000 608		1107K17 DS-1 (1-2)30-10
1.11	99.39 -		0.0000 608		1107K17 DS-1 (1-2)30-10
1.25	254.31 -		0.0000 608		1107K17 DS-1 (1-2)30-10
1.55	53.60 -		0.0000 608		1107K17 DS-1 (1-2)30-10
1.82	5.94 -		0.0000 608		1107K17 DS-1 (1-2)30-10
1.89	6.36 -		0.0000 608		1107K17 DS-1 (1-2)30-10
2.01	10.20 -		0.0000 608		1107K17 DS-1 (1-2)30-10
4.22	55.94 -		0.0000 608		1107K17 DS-1 (1-2)30-10
5.04	1.62 -		0.0000 608		1107K17 DS-1 (1-2)30-10
5.62	5.64 -		0.0000 608		1107K17 DS-1 (1-2)30-10
6.42	1.77 -		0.0000 608		1107K17 DS-1 (1-2)30-10
6.66	1.96 -		0.0000 608		1107K17 DS-1 (1-2)30-10
7.27	2.99 -		0.0000 608		1107K17 DS-1 (1-2)30-10
7.75	1.91 -		0.0000 608		1107K17 DS-1 (1-2)30-10
8.21	221.67	1016 TOTAL	0.1733 608		1107K17 DS-1 (1-2)30-10
8.21	1.40	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
8.34	6.74	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
8.55	2.54	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
9.88	1.90	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
10.24	1.12	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
10.65	1.94	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
10.91	6.32	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
11.11	3.63	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
11.25	47.57	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
12.13	16.17	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
12.27	3.90	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
12.42	5.39	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
12.73	1.36	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.04	11.66	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.15	1.65	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.43	3.66	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.53	1.18	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.81	4.30	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
13.97	15.55	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.14	8.00	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.31	21.34	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.44	3.22	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.64	27.18	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.78	21.05	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
14.91	2.92	1016	0.0000 608		1107K17 DS-1 (1-2)30-10
15.23	10.30 -		0.0000 608		1107K17 DS-1 (1-2)30-10
15.40	1.76 -		0.0000 608		1107K17 DS-1 (1-2)30-10
15.59	202.50	1260 TOTAL	0.0858 608		1107K17 DS-1 (1-2)30-10
15.59	5.99	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
15.68	2.79	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
15.80	18.53	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
15.98	6.49	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.12	40.17	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.26	1.00	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.39	2.95	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.60	16.71	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.68	4.24	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
16.88	2.96	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
17.08	9.03	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
17.15	2.42	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
17.34	1.86	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
17.64	5.18	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
17.79	17.62	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
18.17	5.73	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
18.28	19.12	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
18.47	1.83	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
18.65	5.60	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
19.47	7.70	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
19.73	4.83	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
19.99	6.96	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
21.10	6.36	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
21.25	6.44	1260	0.0000 608		1107K17 DS-1 (1-2)30-10
24.24	1.01 -		0.0000 608		1107K17 DS-1 (1-2)30-10
25.32	2.37 -		0.0000 608		1107K17 DS-1 (1-2)30-10
25.61	54.58	DCB	23.7031 608		1107K17 DS-1 (1-2)30-10
25.94	5.29 -		0.0000 608		1107K17 DS-1 (1-2)30-10
	1465.13		23.9623		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0-0.5)

b Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K18

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 27. dec. Date Extracted: 11/11/02

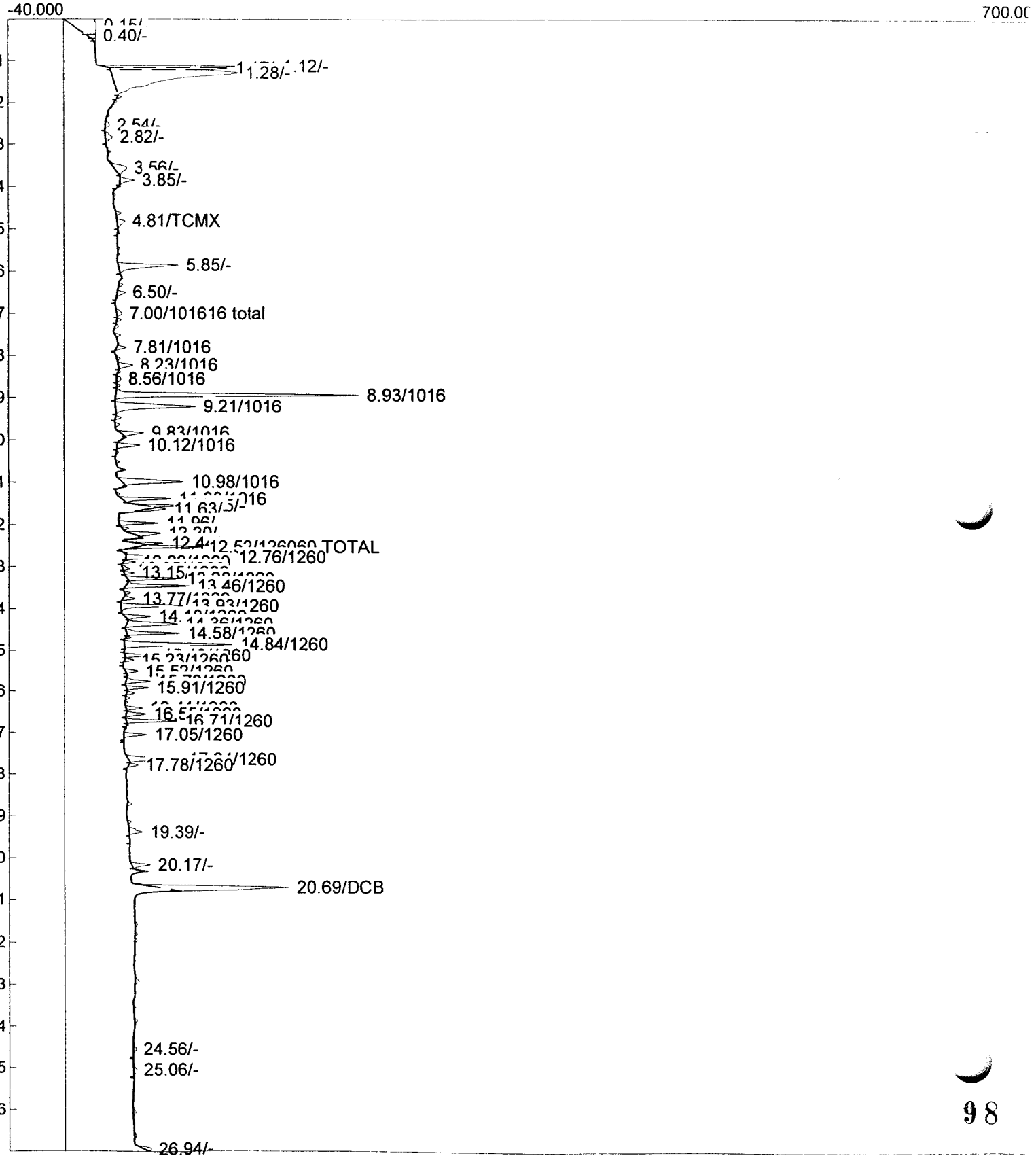
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	510.	
11096-82-5	Arochlor-1260	180.	U

Lab name: AES
Analysis date: 11/17/2002 00:14:59
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b946.chr ()
Sample: 1107K18 DS-2 (0-0.5)
Operator: KEN FULLER

30-1084



Retention	Area	Number	External	Component	Column	S
0.15	331.45	0	0.0000 -		DB1701	1107K18 DS-2 (0
0.40	27.68	0	0.0000 -		DB1701	1107K18 DS-2 (0
1.12	238.80	0	0.0000 -		DB1701	1107K18 DS-2 (0
1.17	290.00	0	0.0000 -		DB1701	1107K18 DS-2 (0
1.28	1379.98	0	0.0000 -		DB1701	1107K18 DS-2 (0
2.54	25.17	0	0.0000 -		DB1701	1107K18 DS-2 (0
2.82	49.00	0	0.0000 -		DB1701	1107K18 DS-2 (0
3.56	97.68	0	0.0000 -		DB1701	1107K18 DS-2 (0
3.85	52.84	0	0.0000 -		DB1701	1107K18 DS-2 (0
4.81	38.95	6	0.0019	TCMX	DB1701	1107K18 DS-2 (0
5.85	247.37	0	0.0000 -		DB1701	1107K18 DS-2 (0
6.50	32.57	0	0.0000 -		DB1701	1107K18 DS-2 (0
7.00	1748.79	2	0.2232	1016 total	DB1701	1107K18 DS-2 (0
7.00	31.01	1	0.0000	1016	DB1701	1107K18 DS-2 (0
7.81	28.19	1	0.0000	1016	DB1701	1107K18 DS-2 (0
8.23	56.23	1	0.0000	1016	DB1701	1107K18 DS-2 (0
8.56	20.40	1	0.0000	1016	DB1701	1107K18 DS-2 (0
8.93	726.86	1	0.0000	1016	DB1701	1107K18 DS-2 (0
9.21	372.06	1	0.0000	1016	DB1701	1107K18 DS-2 (0
9.83	70.77	1	0.0000	1016	DB1701	1107K18 DS-2 (0
10.12	70.99	1	0.0000	1016	DB1701	1107K18 DS-2 (0
10.98	241.49	1	0.0000	1016	DB1701	1107K18 DS-2 (0
11.38	130.79	1	0.0000	1016	DB1701	1107K18 DS-2 (0
11.55	78.28	0	0.0000 -		DB1701	1107K18 DS-2 (0
11.63	69.80	0	0.0000 -		DB1701	1107K18 DS-2 (0
11.96	103.57	0	0.0000 -		DB1701	1107K18 DS-2 (0
12.20	95.66	0	0.0000 -		DB1701	1107K18 DS-2 (0
12.44	48.31	0	0.0000 -		DB1701	1107K18 DS-2 (0
12.52	153.19	3	0.0000	1260	DB1701	1107K18 DS-2 (0
12.52	2578.84	4	0.1814	1260 TOTAL	DB1701	1107K18 DS-2 (0
12.76	264.08	3	0.0000	1260	DB1701	1107K18 DS-2 (0
12.89	26.76	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.05	24.46	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.15	21.29	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.28	142.72	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.46	174.30	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.77	36.49	3	0.0000	1260	DB1701	1107K18 DS-2 (0
13.93	179.60	3	0.0000	1260	DB1701	1107K18 DS-2 (0
14.18	75.15	3	0.0000	1260	DB1701	1107K18 DS-2 (0
14.36	182.93	3	0.0000	1260	DB1701	1107K18 DS-2 (0
14.58	148.39	3	0.0000	1260	DB1701	1107K18 DS-2 (0
14.84	358.34	3	0.0000	1260	DB1701	1107K18 DS-2 (0
15.12	79.56	3	0.0000	1260	DB1701	1107K18 DS-2 (0
15.23	22.34	3	0.0000	1260	DB1701	1107K18 DS-2 (0
15.52	39.92	3	0.0000	1260	DB1701	1107K18 DS-2 (0
15.76	74.20	3	0.0000	1260	DB1701	1107K18 DS-2 (0
15.91	56.45	3	0.0000	1260	DB1701	1107K18 DS-2 (0
16.41	44.58	3	0.0000	1260	DB1701	1107K18 DS-2 (0
16.55	61.37	3	0.0000	1260	DB1701	1107K18 DS-2 (0
16.71	133.83	3	0.0000	1260	DB1701	1107K18 DS-2 (0
17.05	69.79	3	0.0000	1260	DB1701	1107K18 DS-2 (0
17.64	185.50	3	0.0000	1260	DB1701	1107K18 DS-2 (0
17.78	23.60	3	0.0000	1260	DB1701	1107K18 DS-2 (0
19.39	57.99	0	0.0000 -		DB1701	1107K18 DS-2 (0
20.17	59.54	0	0.0000 -		DB1701	1107K18 DS-2 (0
20.69	495.67	5	31.4155	DCB	DB1701	1107K18 DS-2 (0
24.56	22.45	0	0.0000 -		DB1701	1107K18 DS-2 (0
25.06	22.80	0	0.0000 -		DB1701	1107K18 DS-2 (0
26.94	21.94	0	0.0000 -		DB1701	1107K18 DS-2 (0
	12542.77	59	31.8220			

30-10x4

1248

621.46

280

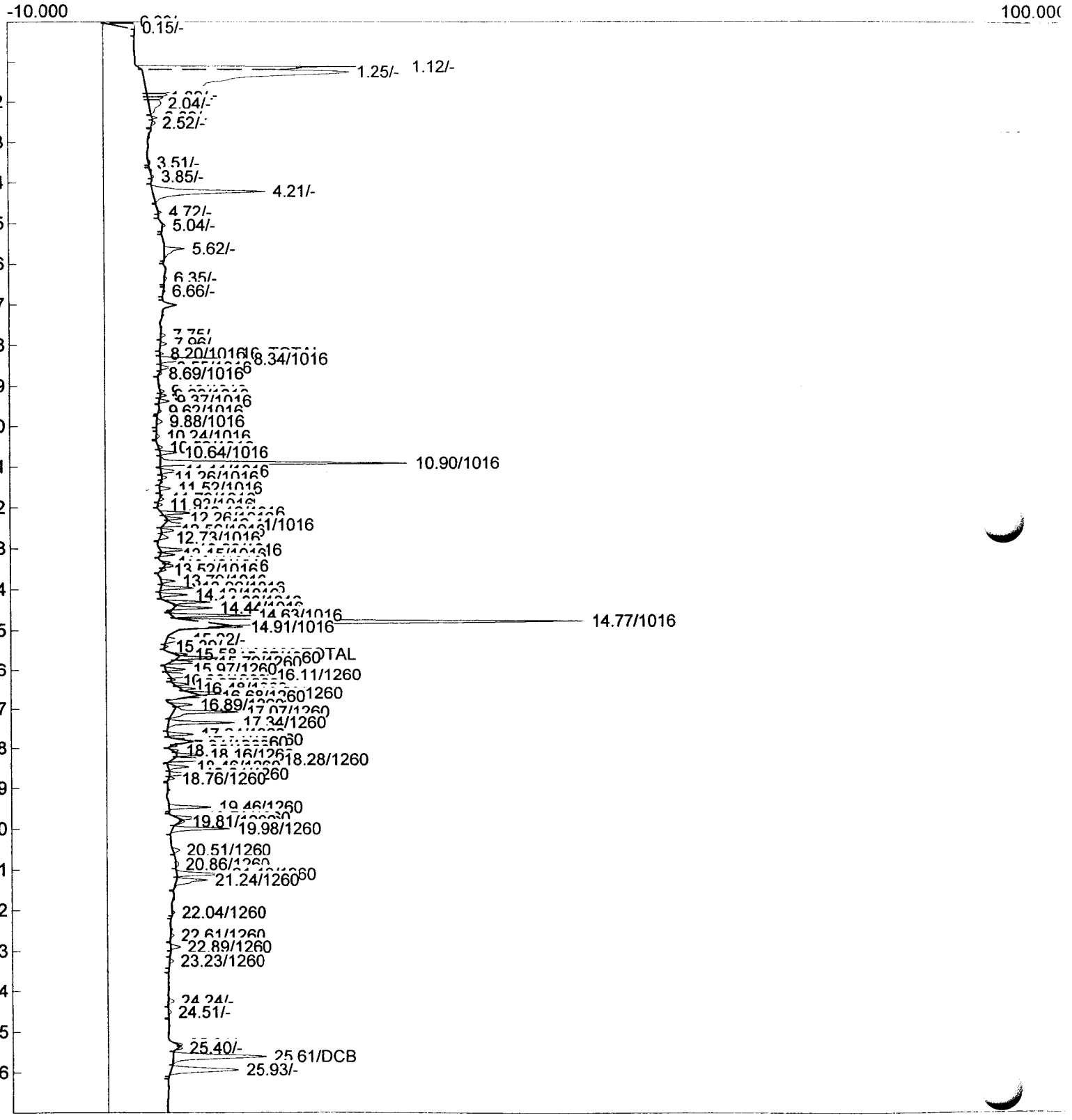
1254

1112.09

510

1269

Lab name: AES
Analysis date: 11/17/2002 00:14:59
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C946.chr ()
Sample: 1107K18 DS-2 (0-0.5)30-10 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.00	6.17 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10 x4
0.15	14.80 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
1.12	90.78 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
1.25	345.59 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
1.82	9.62 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
9	7.04 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
4	18.73 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
2.39	1.90 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
2.52	2.16 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
3.51	1.51 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
3.85	1.32 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
4.21	79.42 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
4.72	1.20 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
5.04	1.51 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
5.62	13.42 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
6.35	1.53 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
6.66	1.16 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
7.75	2.40 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
7.96	3.29 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
8.20	551.01	1016 TOTAL	0.4308 608		1107K18 DS-2 (0-0.5)30-10
8.20	1.33	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
8.34	38.50	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
8.55	4.26	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
8.69	1.11	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
9.13	1.68	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
9.23	2.30	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
9.37	4.29	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
9.62	1.28	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
9.88	3.52	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
10.24	1.88	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
10.52	1.98	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
10.64	7.22	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
10.90	103.82	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
11.11	8.09	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
11.26	2.14	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
11.52	4.77	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
11.79	1.76	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
11.93	1.71	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
2	12.17	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
6	5.54	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
12.41	23.10	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
12.56	5.72	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
12.73	4.70	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.03	12.65	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.15	5.29	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.34	2.05	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.42	3.96	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.52	1.81	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.79	5.21	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
13.96	13.42	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.12	10.63	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.30	15.39	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.44	14.26	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.63	29.10	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.77	185.70	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
14.91	8.67	1016	0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.22	9.70 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.39	1.32 -		0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.58	399.59	1260 TOTAL	0.1694 608		1107K18 DS-2 (0-0.5)30-10
15.58	3.24	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.67	17.81	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.79	14.07	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
15.97	7.85	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.11	41.71	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.26	1.22	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.37	4.99	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.48	4.98	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.59	18.93	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.68	7.36	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
16.89	8.00	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
7	33.03	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
1	29.04	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
17.64	9.96	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
17.78	8.28	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
17.84	2.40	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
17.94	1.59	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
18.05	2.11	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10
18.16	8.68	1260	0.0000 608		1107K18 DS-2 (0-0.5)30-10

18.28	40.52	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
18.46	9.45	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
18.64	10.92	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
18.76	1.94	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
19.46	17.43	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
19.73	8.70	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
19.81	2.23	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
19.98	24.93	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
20.51	3.99	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
20.86	2.39	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
21.10	22.43	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
21.24	19.13	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
22.04	1.15	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
22.61	1.87	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
22.89	4.88	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
23.23	2.39	1260	0.0000 608	1107K18 DS-2 (0-0.5)30-10
24.24	3.49	-	0.0000 608	1107K18 DS-2 (0-0.5)30-10
24.51	1.81	-	0.0000 608	1107K18 DS-2 (0-0.5)30-10
25.31	2.11	-	0.0000 608	1107K18 DS-2 (0-0.5)30-10
25.40	2.08	-	0.0000 608	1107K18 DS-2 (0-0.5)30-10
25.61	64.93	DCB	28.1984 608	1107K18 DS-2 (0-0.5)30-10
25.93	46.38	-	0.0000 608	1107K18 DS-2 (0-0.5)30-10
	2636.55		28.7986	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K19

Level: (low/med) LOW Date Received: 11/07/02

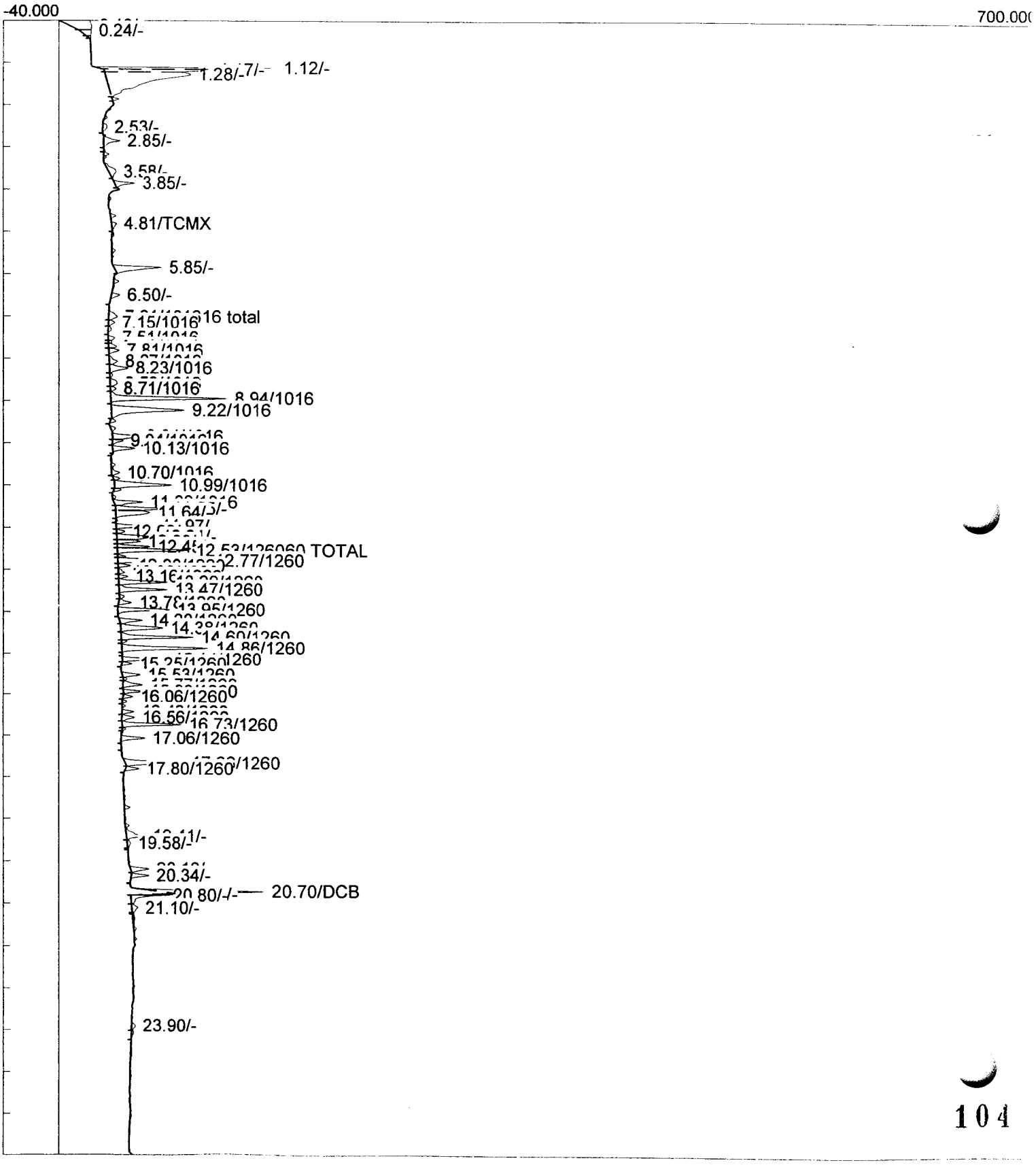
% Moisture: not dec. 32. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	190.	U

Lab name: AES
Analysis date: 11/17/2002 00:57:57
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b947.chr ()
Sample: 1107K19 DS-2 (0.5-1.0) 30-10X4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.12	218.13	0	0.0000 -		DB1701	1107K19 DS-2 (0.
0.24	55.21	0	0.0000 -		DB1701	1107K19 DS-2 (0.
1.12	244.43	0	0.0000 -		DB1701	1107K19 DS-2 (0.
1.17	295.54	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?8	996.73	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?3	28.02	0	0.0000 -		DB1701	1107K19 DS-2 (0.
2.85	72.06	0	0.0000 -		DB1701	1107K19 DS-2 (0.
3.58	69.82	0	0.0000 -		DB1701	1107K19 DS-2 (0.
3.85	62.95	0	0.0000 -		DB1701	1107K19 DS-2 (0.
4.81	26.95	6	0.0013	TCMX	DB1701	1107K19 DS-2 (0.
5.85	184.93	0	0.0000 -		DB1701	1107K19 DS-2 (0.
6.50	32.82	0	0.0000 -		DB1701	1107K19 DS-2 (0.
7.01	1678.75	2	0.2143	1016 total	DB1701	1107K19 DS-2 (0.
7.01	54.02	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
7.15	25.24	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
7.51	24.13	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
7.72	30.53	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
7.81	37.80	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
8.07	42.70	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
8.23	82.74	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
8.59	42.91	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
8.71	21.15	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
8.94	380.80	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
9.22	375.83	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
9.84	104.10	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
9.94	33.52	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
10.13	72.47	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
10.70	31.74	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
10.99	226.42	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
11.39	92.64	1	0.0000	1016	DB1701	1107K19 DS-2 (0.
11.55	149.13	0	0.0000 -		DB1701	1107K19 DS-2 (0.
11.64	162.33	0	0.0000 -		DB1701	1107K19 DS-2 (0.
11.97	99.90	0	0.0000 -		DB1701	1107K19 DS-2 (0.
12.09	25.93	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?1	153.24	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?3	67.28	0	0.0000 -		DB1701	1107K19 DS-2 (0.
12.45	81.60	0	0.0000 -		DB1701	1107K19 DS-2 (0.
12.53	2713.00	4	0.1908	1260 TOTAL	DB1701	1107K19 DS-2 (0.
12.53	213.40	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
12.77	252.01	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
12.90	34.13	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.06	21.52	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.16	23.68	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.29	152.40	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.47	146.77	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.78	43.99	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
13.95	150.81	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
14.20	74.96	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
14.38	167.79	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
14.60	207.47	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
14.86	295.78	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
15.14	118.67	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
15.25	26.21	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
15.53	59.17	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
15.77	70.45	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
15.93	52.18	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
16.06	27.70	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
16.42	37.06	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
16.56	47.62	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
16.73	168.07	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
17.06	74.78	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
17.66	209.19	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
17.80	37.18	3	0.0000	1260	DB1701	1107K19 DS-2 (0.
19.41	89.42	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?8	20.68	0	0.0000 -		DB1701	1107K19 DS-2 (0.
?8	63.56	0	0.0000 -		DB1701	1107K19 DS-2 (0.
20.34	51.57	0	0.0000 -		DB1701	1107K19 DS-2 (0.
20.70	248.10	5	15.7243	DCB	DB1701	1107K19 DS-2 (0.
20.77	38.92	0	0.0000 -		DB1701	1107K19 DS-2 (0.
20.80	79.82	0	0.0000 -		DB1701	1107K19 DS-2 (0.
21.10	34.67	0	0.0000 -		DB1701	1107K19 DS-2 (0.
23.90	22.46	0	0.0000 -		DB1701	1107K19 DS-2 (0.

30-10x4

1248

732.07

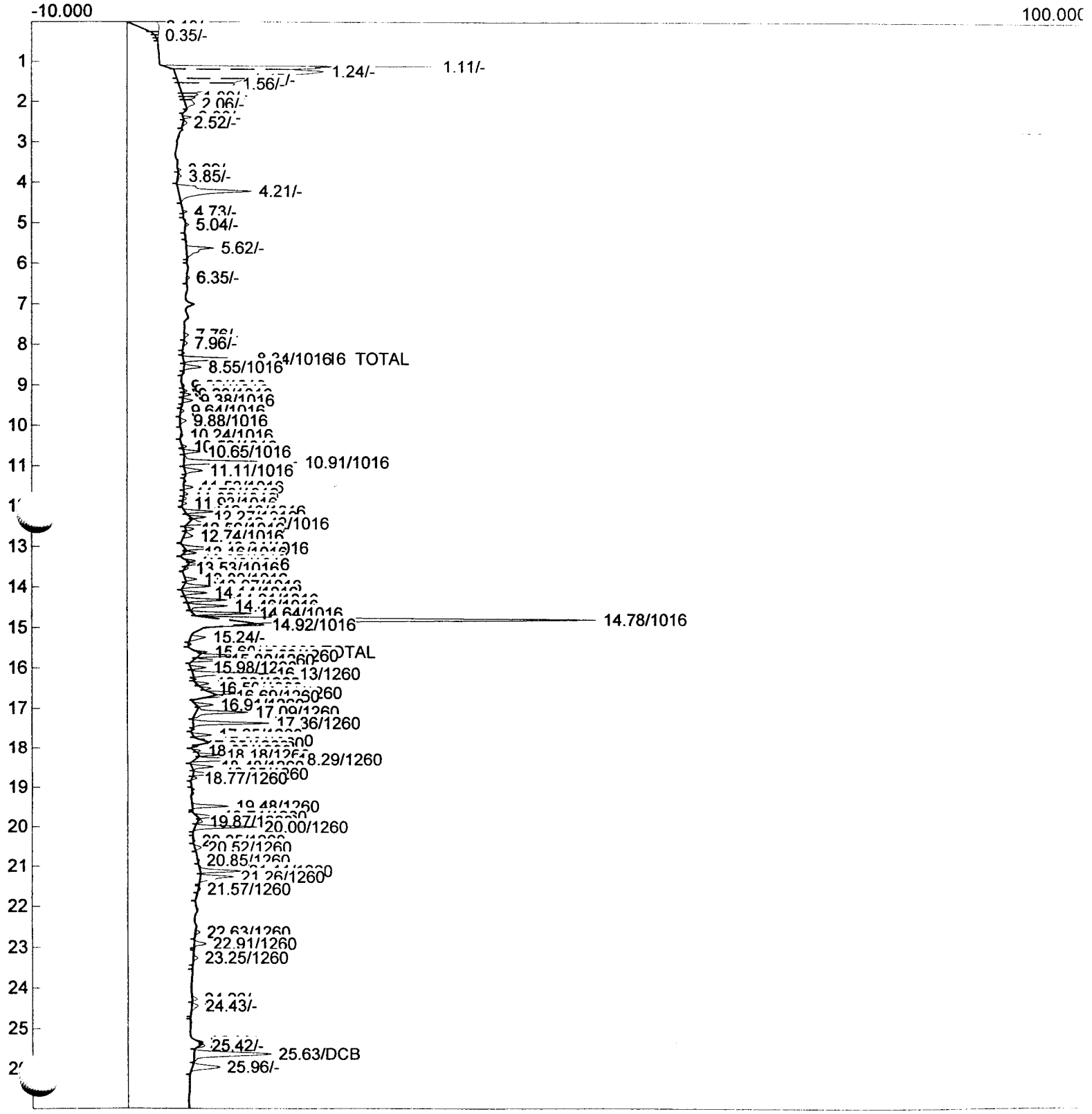
360

984

480

6340

Lab name: AES
Analysis date: 11/17/2002 00:57:57
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C947.chr ()
Sample: 1107K19 DS-2 (0.5-1)30-10 X 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	31.97 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10 x4
0.27	3.44 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
0.35	1.44 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.11	88.87 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.24	165.54 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.45	45.17 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.56	63.12 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.82	7.55 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
1.89	5.35 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
2.06	8.86 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
2.38	2.61 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
2.52	2.62 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
3.69	1.21 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
3.85	2.69 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
4.21	61.74 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
4.73	1.31 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
5.04	1.63 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
5.62	19.54 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
6.35	1.53 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
7.76	2.27 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
7.96	2.03 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
8.34	467.77	1016 TOTAL	0.3657 608		1107K19 DS-2 (0.5-1)30-10
8.34	30.58	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
8.55	8.42	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.03	1.11	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.14	1.14	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.23	2.65	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.38	4.44	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.64	1.62	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
9.88	3.87	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
10.24	1.05	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
10.52	1.66	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
10.65	7.07	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
10.91	51.17	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
11.11	9.25	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
11.53	3.95	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
11.70	1.51	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
11.82	1.31	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
11.93	1.65	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
12.13	11.59	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
12.27	5.23	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
12.42	20.25	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
12.56	3.48	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
12.74	5.20	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.04	14.50	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.16	4.51	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.35	2.53	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.43	3.25	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.53	1.33	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.80	4.58	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
13.97	11.35	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.14	9.52	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.31	15.97	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.46	16.22	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.64	21.46	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.78	176.37	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
14.92	8.01	1016	0.0000 608		1107K19 DS-2 (0.5-1)30-10
15.24	8.06 -		0.0000 608		1107K19 DS-2 (0.5-1)30-10
15.60	351.14	1260 TOTAL	0.1489 608		1107K19 DS-2 (0.5-1)30-10
15.60	2.32	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
15.69	16.54	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
15.80	10.47	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
15.98	5.68	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.13	32.06	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.38	4.83	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.50	2.83	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.61	12.90	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.69	6.34	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
16.91	7.09	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
17.09	24.82	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
17.36	31.95	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
17.65	7.13	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-1
17.80	5.44	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
17.86	1.85	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
17.95	1.09	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
18.06	2.19	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
18.18	6.74	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10
18.29	37.50	1260	0.0000 608		1107K19 DS-2 (0.5-1)30-10

18.48	9.52	1260	0.0000	608
18.65	9.49	1260	0.0000	608
18.77	1.64	1260	0.0000	608
19.48	15.82	1260	0.0000	608
19.74	8.74	1260	0.0000	608
19.87	1.87	1260	0.0000	608
20.00	26.46	1260	0.0000	608
20.35	1.01	1260	0.0000	608
52	3.71	1260	0.0000	608
85	1.29	1260	0.0000	608
21.11	18.68	1260	0.0000	608
21.26	20.29	1260	0.0000	608
21.57	1.19	1260	0.0000	608
22.63	2.73	1260	0.0000	608
22.91	6.06	1260	0.0000	608
23.25	2.88	1260	0.0000	608
24.26	2.77	-	0.0000	608
24.43	5.08	-	0.0000	608
25.33	1.72	-	0.0000	608
25.42	2.43	-	0.0000	608
25.63	53.61	DCB	23.2820	608
25.96	19.12	-	0.0000	608
	2251.11		23.7966	

1107K19 DS-2 (0.5-1)30-10 x4
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10
1107K19 DS-2 (0.5-1)30-10

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K20

Level: (low/med) LOW Date Received: 11/07/02

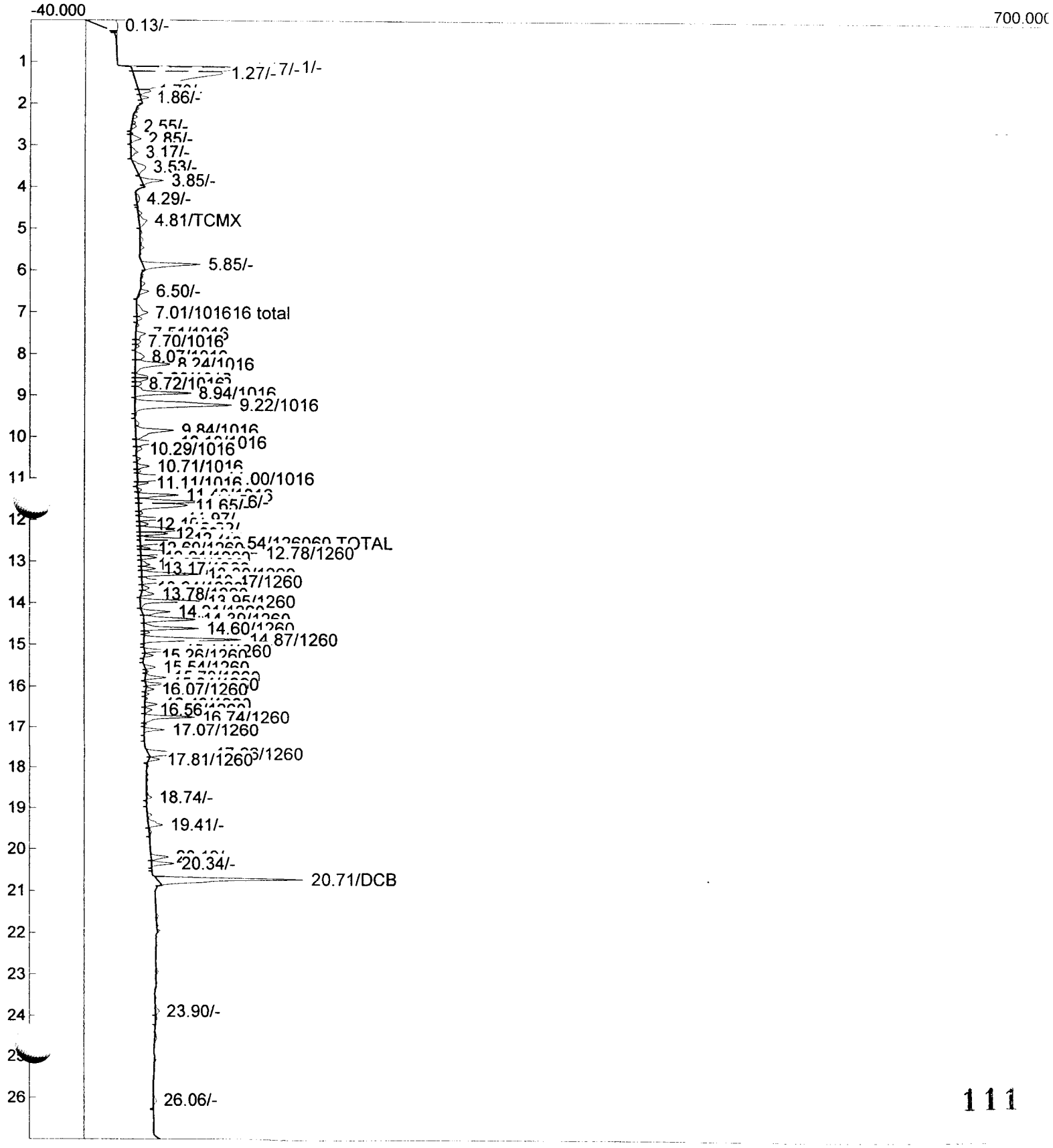
% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/17/2002 01:40:58
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b948.chr ()
Sample: 1107K20 DS-2 (1-2) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.13	207.38	0	0.0000 -		DB1701	1107K20 DS-2 (1
1.11	96.83	0	0.0000 -		DB1701	1107K20 DS-2 (1
1.17	496.38	0	0.0000 -		DB1701	1107K20 DS-2 (1
1.27	982.51	0	0.0000 -		DB1701	1107K20 DS-2 (1
1.70	44.52	0	0.0000 -		DB1701	1107K20 DS-2 (1
1.86	21.60	0	0.0000 -		DB1701	1107K20 2 (1
2.55	21.02	0	0.0000 -		DB1701	1107K20 2 (1
2.85	53.43	0	0.0000 -		DB1701	1107K20 DS-2 (1
3.17	40.62	0	0.0000 -		DB1701	1107K20 DS-2 (1
3.53	91.57	0	0.0000 -		DB1701	1107K20 DS-2 (1
3.85	80.81	0	0.0000 -		DB1701	1107K20 DS-2 (1
4.29	26.68	0	0.0000 -		DB1701	1107K20 DS-2 (1
4.81	58.26	6	0.0029 TCMX		DB1701	1107K20 DS-2 (1
5.85	221.85	0	0.0000 -		DB1701	1107K20 DS-2 (1
6.50	37.03	0	0.0000 -		DB1701	1107K20 DS-2 (1
7.01	2152.48	2	0.2748 1016 total		DB1701	1107K20 DS-2 (1
7.01	74.63	1	0.0000 1016		DB1701	1107K20 DS-2 (1
7.51	49.55	1	0.0000 1016		DB1701	1107K20 DS-2 (1
7.70	20.35	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.07	58.32	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.24	193.97	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.55	41.34	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.60	44.41	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.72	25.78	1	0.0000 1016		DB1701	1107K20 DS-2 (1
8.94	212.53	1	0.0000 1016		DB1701	1107K20 DS-2 (1
9.22	525.10	1	0.0000 1016		DB1701	1107K20 DS-2 (1
9.84	206.35	1	0.0000 1016		DB1701	1107K20 DS-2 (1
10.13	129.39	1	0.0000 1016		DB1701	1107K20 DS-2 (1
10.29	25.07	1	0.0000 1016		DB1701	1107K20 DS-2 (1
10.71	41.82	1	0.0000 1016		DB1701	1107K20 DS-2 (1
11.00	349.30	1	0.0000 1016		DB1701	1107K20 DS-2 (1
11.11	29.43	1	0.0000 1016		DB1701	1107K20 DS-2 (1
11.40	125.14	1	0.0000 1016		DB1701	1107K20 DS-2 (1
11.56	210.64	0	0.0000 -		DB1701	1107K20 DS-2 (1
11.65	223.96	0	0.0000 -		DB1701	1107K20 DS-2 (1
11.97	105.83	0	0.0000 -		DB1701	1107K20 -2 (1
12.10	27.96	0	0.0000 -		DB1701	1107K2 2 (1
12.22	193.09	0	0.0000 -		DB1701	1107K20 DS-2 (1
12.33	78.99	0	0.0000 -		DB1701	1107K20 DS-2 (1
12.46	116.64	0	0.0000 -		DB1701	1107K20 DS-2 (1
12.54	2982.07	4	0.2098 1260 TOTAL		DB1701	1107K20 DS-2 (1
12.54	227.63	3	0.0000 1260		DB1701	1107K20 DS-2 (1
12.69	22.13	3	0.0000 1260		DB1701	1107K20 DS-2 (1
12.78	333.07	3	0.0000 1260		DB1701	1107K20 DS-2 (1
12.91	43.32	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.07	32.16	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.17	39.52	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.30	185.88	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.47	195.08	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.64	26.05	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.78	47.48	3	0.0000 1260		DB1701	1107K20 DS-2 (1
13.95	182.52	3	0.0000 1260		DB1701	1107K20 DS-2 (1
14.21	103.03	3	0.0000 1260		DB1701	1107K20 DS-2 (1
14.39	204.65	3	0.0000 1260		DB1701	1107K20 DS-2 (1
14.60	166.41	3	0.0000 1260		DB1701	1107K20 DS-2 (1
14.87	334.90	3	0.0000 1260		DB1701	1107K20 DS-2 (1
15.14	87.10	3	0.0000 1260		DB1701	1107K20 DS-2 (1
15.26	23.59	3	0.0000 1260		DB1701	1107K20 DS-2 (1
15.54	33.93	3	0.0000 1260		DB1701	1107K20 DS-2 (1
15.78	63.17	3	0.0000 1260		DB1701	1107K20 DS-2 (1
15.94	49.46	3	0.0000 1260		DB1701	1107K20 DS-2 (1
16.07	21.45	3	0.0000 1260		DB1701	1107K20 DS-2 (1
16.43	37.03	3	0.0000 1260		DB1701	1107K20 DS-2 (1
16.56	26.95	3	0.0000 1260		DB1701	1107K20 DS-2 (1
16.74	170.03	3	0.0000 1260		DB1701	1107K20 DS-2 (1
17.07	62.63	3	0.0000 1260		DB1701	1107K2 -2 (1
17.66	233.07	3	0.0000 1260		DB1701	1107K2 -2 (1
17.81	29.85	3	0.0000 1260		DB1701	1107K20 DS-2 (1
18.74	20.81	0	0.0000 -		DB1701	1107K20 DS-2 (1
19.41	71.73	0	0.0000 -		DB1701	1107K20 DS-2 (1
20.19	63.54	0	0.0000 -		DB1701	1107K20 DS-2 (1
20.34	68.92	0	0.0000 -		DB1701	1107K20 DS-2 (1

30-10x4

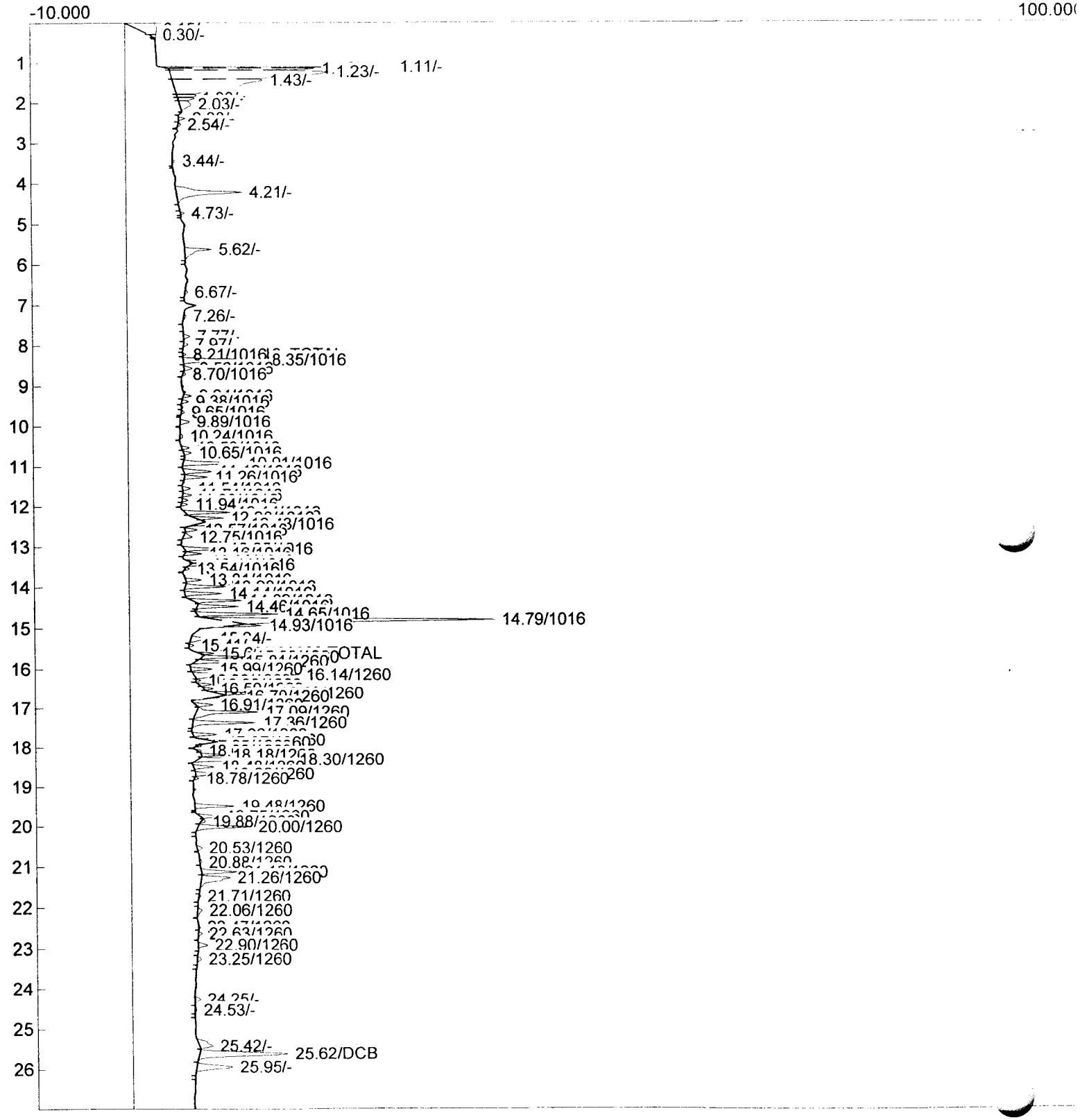
1248
1173,85
490

1254
1166,2
480

20.71	531.72	5	33.7002	DCB	~~1370~~	DB1701	30-10 x 4
23.90	25.93	0	0.0000	-		DB1701	
26.06	22.63	0	0.0000	-	1350	DB1701	
	14512.01	75	34.1876				

1107K20 DS-2 (1
1107K20 DS-2 (1
1107K20 DS-2 (1

Lab name: AES
Analysis date: 11/17/2002 01:40:58
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C948.chr ()
Sample: 1107K20 DS-2 (1-2)30-10 x4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.15	34.86 -		0.0000 608		1107K20 DS-2 (1-2)30-10 x4
0.30	2.39 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.11	33.37 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.15	45.48 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.23	182.15 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.43	138.93 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.81	8.36 -		0.0000 608		1107K20 DS-2 (1-2)30-10
1.88	7.46 -		0.0000 608		1107K20 DS-2 (1-2)30-10
2.03	12.06 -		0.0000 608		1107K20 DS-2 (1-2)30-10
2.38	2.42 -		0.0000 608		1107K20 DS-2 (1-2)30-10
2.54	1.34 -		0.0000 608		1107K20 DS-2 (1-2)30-10
3.44	1.08 -		0.0000 608		1107K20 DS-2 (1-2)30-10
4.21	50.67 -		0.0000 608		1107K20 DS-2 (1-2)30-10
4.73	1.22 -		0.0000 608		1107K20 DS-2 (1-2)30-10
5.62	16.58 -		0.0000 608		1107K20 DS-2 (1-2)30-10
6.67	1.60 -		0.0000 608		1107K20 DS-2 (1-2)30-10
7.26	1.71 -		0.0000 608		1107K20 DS-2 (1-2)30-10
7.77	3.12 -		0.0000 608		1107K20 DS-2 (1-2)30-10
7.97	1.98 -		0.0000 608		1107K20 DS-2 (1-2)30-10
8.21	450.44	1016 TOTAL	0.3522 608		1107K20 DS-2 (1-2)30-10
8.21	1.13	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
8.35	35.94	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
8.56	3.78	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
8.70	1.25	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
9.24	2.95	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
9.38	2.72	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
9.65	1.46	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
9.89	4.96	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
10.24	1.90	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
10.53	3.09	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
10.65	3.23	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
10.91	25.61	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.12	13.05	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.26	8.98	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.54	3.40	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.71	3.51	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.83	2.07	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
11.94	2.29	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
2.14	16.90	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
12.28	8.88	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
12.43	15.97	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
12.57	4.93	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
12.75	4.40	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.05	15.55	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.16	5.93	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.36	4.39	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.44	4.43	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.54	1.61	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.81	5.91	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
13.98	16.72	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.14	14.74	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.32	18.61	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.46	15.19	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.65	30.10	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.79	134.68	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
14.93	10.19	1016	0.0000 608		1107K20 DS-2 (1-2)30-10
15.24	10.64 -		0.0000 608		1107K20 DS-2 (1-2)30-10
15.41	1.56 -		0.0000 608		1107K20 DS-2 (1-2)30-10
15.60	385.68	1260 TOTAL	0.1635 608		1107K20 DS-2 (1-2)30-10
15.60	3.78	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
15.69	15.71	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
15.81	15.13	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
15.99	8.14	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.14	44.55	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.28	1.24	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.39	4.71	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.50	3.02	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.62	17.85	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.70	7.53	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
16.91	7.05	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
7.09	32.41	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
7.36	27.48	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
17.66	9.60	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
17.80	7.96	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
17.87	2.14	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
17.95	1.28	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
18.08	1.53	1260	0.0000 608		1107K20 DS-2 (1-2)30-10
18.18	8.06	1260	0.0000 608		1107K20 DS-2 (1-2)30-10

18.30	37.00	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
18.48	8.86	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
18.66	11.68	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
18.78	1.28	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
19.48	16.70	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
19.75	8.45	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
19.88	1.77	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
20.00	22.98	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
20.53	2.72	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
20.88	1.55	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
21.12	15.63	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
21.26	22.85	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
21.71	1.03	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
22.06	3.35	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
22.47	1.18	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
22.63	2.09	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
22.90	4.87	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
23.25	2.52	1260	0.0000	608	1107K20 DS-2 (1-2)30-10
24.25	3.43	-	0.0000	608	1107K20 DS-2 (1-2)30-10
24.53	1.11	-	0.0000	608	1107K20 DS-2 (1-2)30-10
25.42	13.14	-	0.0000	608	1107K20 DS-2 (1-2)30-10
25.62	61.17	DCB	26.5650	608	1107K20 DS-2 (1-2)30-10
25.95	25.66	-	0.0000	608	1107K20 DS-2 (1-2)30-10
	2335.72		27.0807		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0-0.5)

Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K21

Level: (low/med) LOW Date Received: 11/07/02

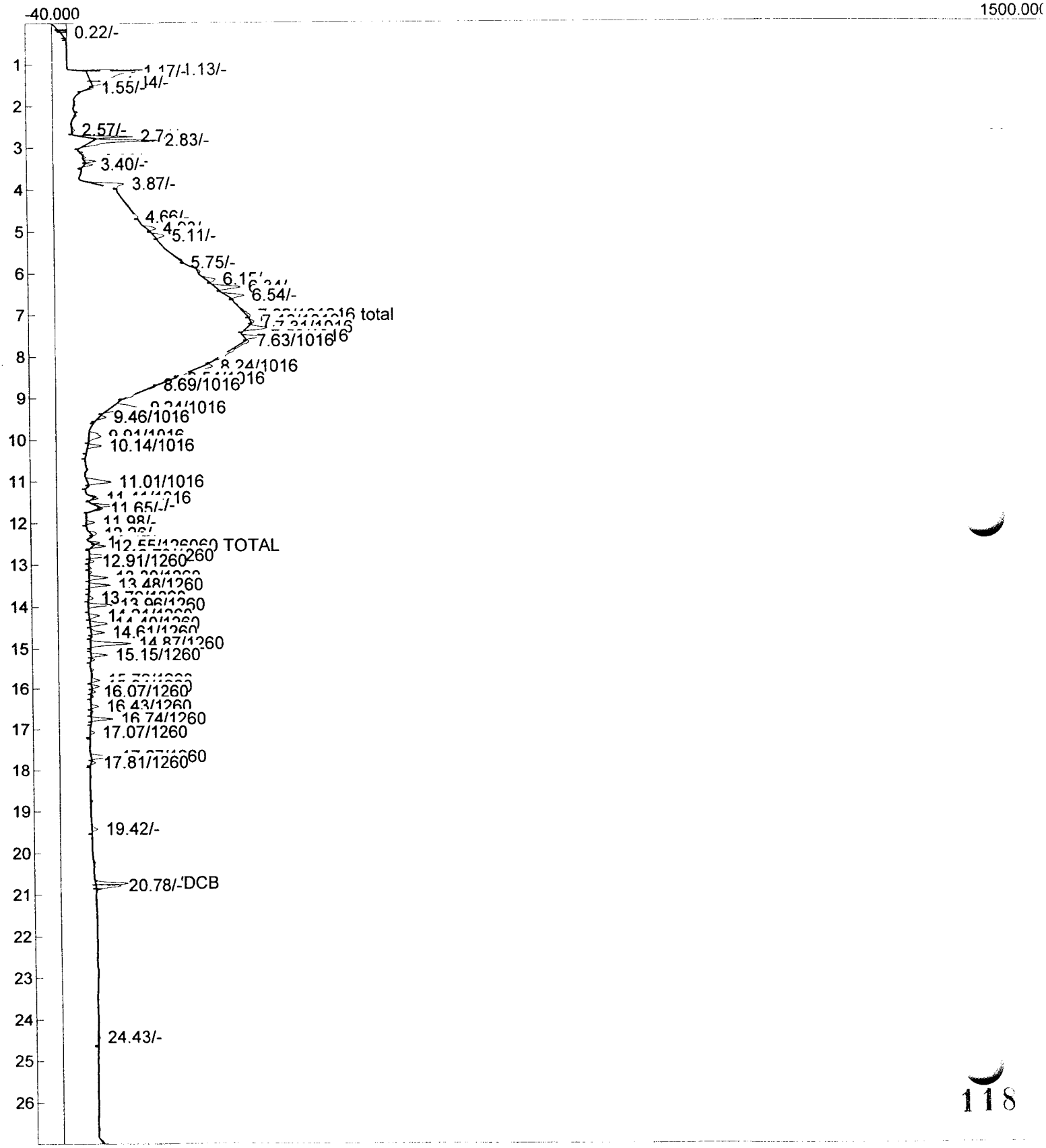
% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	470.	U
11104-28-2	Arochlor-1221	470.	U
11141-16-5	Arochlor-1232	470.	U
53469-21-9	Arochlor-1242	470.	U
12672-29-6	Arochlor-1248	980.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	470.	U

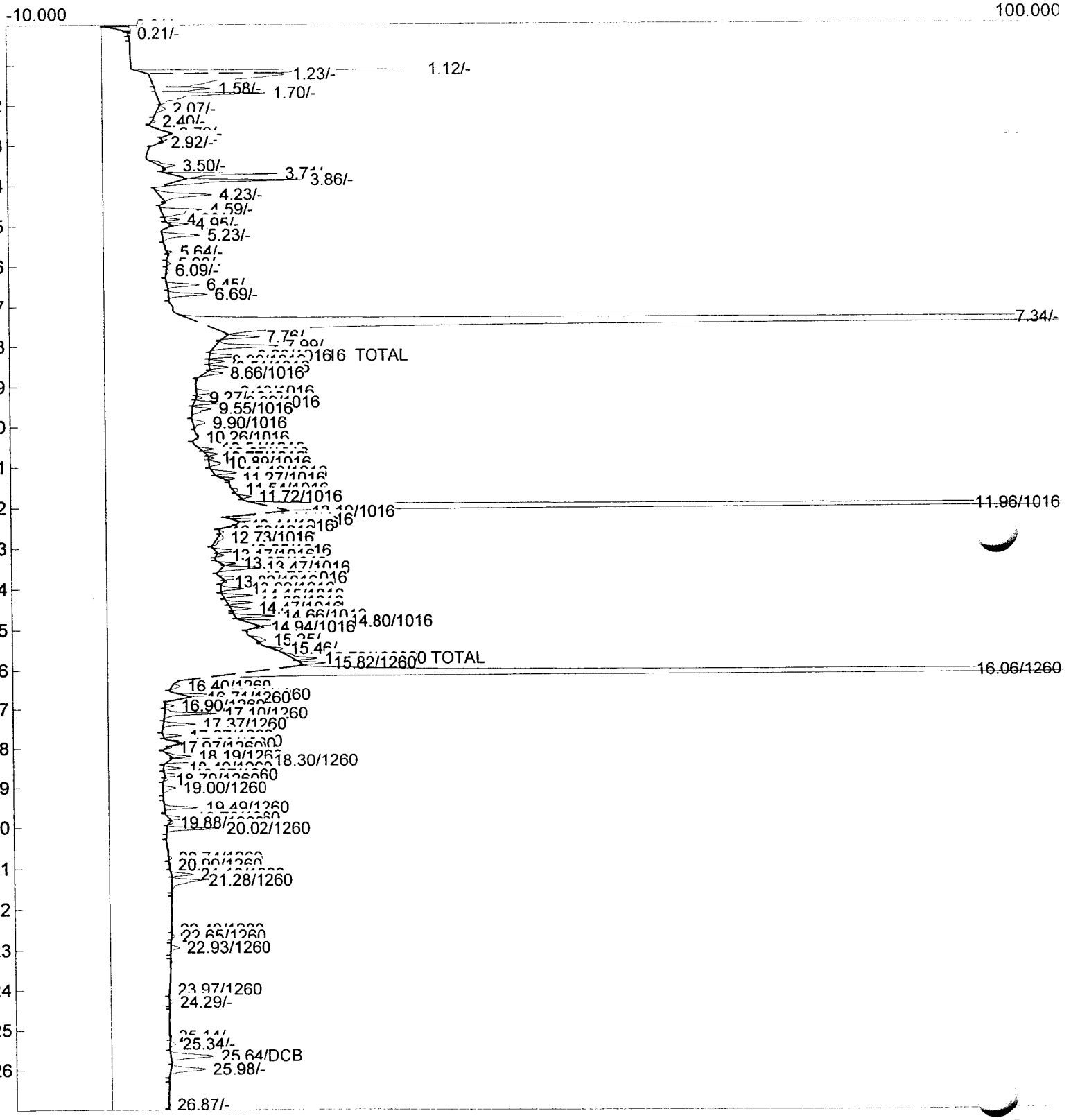
Lab name: AES
Analysis date: 11/20/2002 02:32:26
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B968.chr ()
Sample: 1107K21 DS-3 (0-0.5) 30 - 10 x 10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.13	156.80	0	0.0000 -		DB1701	1107K21 DS-3 (0-
0.17	28.45	0	0.0000 -		DB1701	1107K21 DS-3 (0-
0.22	51.34	0	0.0000 -		DB1701	1107K21 DS-3 (0-
1.13	146.73	0	0.0000 -		DB1701	1107K21 DS-3 (0-
17	668.18	0	0.0000 -		DB1701	1107K21 DS-3 (0-
.44	142.17	0	0.0000 -		DB1701	1107K21 DS-3 (0-
1.55	32.43	0	0.0000 -		DB1701	1107K21 DS-3 (0-
2.57	26.76	0	0.0000 -		DB1701	1107K21 DS-3 (0-
2.74	188.32	0	0.0000 -		DB1701	1107K21 DS-3 (0-
2.83	388.85	0	0.0000 -		DB1701	1107K21 DS-3 (0-
3.32	45.76	0	0.0000 -		DB1701	1107K21 DS-3 (0-
3.40	37.85	0	0.0000 -		DB1701	1107K21 DS-3 (0-
3.87	218.13	0	0.0000 -		DB1701	1107K21 DS-3 (0-
4.66	44.49	0	0.0000 -		DB1701	1107K21 DS-3 (0-
0.00	0.00	6	0.0000 TCMX		DB1701	1107K21 DS-3 (0-
4.93	76.74	0	0.0000 -		DB1701	1107K21 DS-3 (0-
5.11	85.78	0	0.0000 -		DB1701	1107K21 DS-3 (0-
5.75	22.97	0	0.0000 -		DB1701	1107K21 DS-3 (0-
6.15	83.61	0	0.0000 -		DB1701	1107K21 DS-3 (0-
6.34	188.19	0	0.0000 -		DB1701	1107K21 DS-3 (0-
6.54	127.14	0	0.0000 -		DB1701	1107K21 DS-3 (0-
7.02	1633.19	2	0.2085 1016 total		DB1701	1107K21 DS-3 (0-
7.02	59.10	1	0.0000 1016	1248 828.53	DB1701	1107K21 DS-3 (0-
7.16	22.55	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
7.31	164.38	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
7.53	114.04	1	0.0000 1016	~~828.53~~	DB1701	1107K21 DS-3 (0-
7.63	164.09	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
8.24	134.49	1	0.0000 1016	980	DB1701	1107K21 DS-3 (0-
8.54	65.88	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
8.69	47.70	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
9.24	353.37	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
9.46	45.99	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
9.91	149.62	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
10.14	84.25	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
01	205.41	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
.41	22.31	1	0.0000 1016		DB1701	1107K21 DS-3 (0-
11.57	89.29	0	0.0000 -		DB1701	1107K21 DS-3 (0-
11.65	36.52	0	0.0000 -		DB1701	1107K21 DS-3 (0-
11.98	47.20	0	0.0000 -		DB1701	1107K21 DS-3 (0-
12.26	42.91	0	0.0000 -		DB1701	1107K21 DS-3 (0-
12.47	34.07	0	0.0000 -		DB1701	1107K21 DS-3 (0-
12.55	66.30	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
12.55	1819.44	4	0.1280 1260 TOTAL		DB1701	1107K21 DS-3 (0-
12.79	166.39	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
12.91	24.64	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
13.30	114.37	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
13.48	125.77	3	0.0000 1260	1254	DB1701	1107K21 DS-3 (0-
13.79	29.92	3	0.0000 1260	847.8	DB1701	1107K21 DS-3 (0-
13.96	143.54	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
14.21	70.22	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
14.40	124.07	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
14.61	79.02	3	0.0000 1260	1000	DB1701	1107K21 DS-3 (0-
14.87	286.74	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
15.15	91.26	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
15.79	53.31	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
15.94	44.56	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
16.07	20.18	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
16.43	45.55	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
16.74	120.59	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
17.07	29.69	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
17.67	159.78	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
17.81	23.54	3	0.0000 1260		DB1701	1107K21 DS-3 (0-
19.42	42.27	0	0.0000 -		DB1701	1107K21 DS-3 (0-
20.72	189.64	5	12.0190 DCB	1219	DB1701	1107K21 DS-3 (0-
78	152.38	0	0.0000 -		DB1701	1107K21 DS-3 (0-
.43	21.73	0	0.0000 -		DB1701	1107K21 DS-3 (0-
	10321.91	65	12.3554			

30-10X10

Lab name: AES
Analysis date: 11/20/2002 02:32:26
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C968.chr ()
Sample: ~~4105~~K21 DS-3 (0-0.5)30-10 4 10 1107K21
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.01	6.59 -		0.0000 608	1107	~~1105~~K21 DS-3 (0-0.5)30-10 X10
0.12	9.82 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
0.21	1.19 -		0.0000 608	K21	1105K21 DS-3 (0-0.5)30-10
1.12	92.53 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
[illegible]3	174.91 -		0.0000 608	X10	1105K21 DS-3 (0-0.5)30-10
[illegible]3	31.11 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
1.70	66.35 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
2.07	6.24 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
2.40	1.42 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
2.70	1.15 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
2.85	1.54 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
2.92	1.47 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
3.50	10.43 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
3.71	40.32 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
3.86	54.24 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
4.23	35.17 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
4.59	30.10 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
4.83	4.38 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
4.95	6.41 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
5.23	20.88 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
5.64	1.45 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
5.93	1.91 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
6.09	2.03 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
6.45	16.97 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
6.69	19.68 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
7.34	1691.57 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
7.76	13.94 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
7.99	33.46 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
8.23	1264.99	1016 TOTAL	0.9890 608		1105K21 DS-3 (0-0.5)30-10
8.23	17.39	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
8.36	6.31	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
8.51	6.92	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
8.66	9.00	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
9.13	16.30	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
9.27	2.13	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
9.39	18.11	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
9.55	12.01	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
[illegible]7	8.81	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
[illegible]3	1.14	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
10.54	5.36	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
10.67	4.35	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
10.77	1.64	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
10.89	7.11	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
11.13	11.62	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
11.27	3.83	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
11.54	2.93	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
11.72	4.57	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
11.96	925.46	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.10	17.60	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.29	8.54	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.37	2.36	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.44	4.13	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.58	1.45	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
12.73	6.79	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.05	10.48	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.17	2.34	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.37	4.61	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.47	19.74	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.73	12.53	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.82	1.01	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
13.99	9.49	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.15	11.61	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.33	9.45	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.47	7.68	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.66	14.97	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.80	52.64	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
14.94	2.62	1016	0.0000 608		1105K21 DS-3 (0-0.5)30-10
15.25	6.89 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
15.46	4.28 -		0.0000 608		1105K21 DS-3 (0-0.5)30-10
[illegible]70	1760.52	1260 TOTAL	0.7463 608		1105K21 DS-3 (0-0.5)30-10
[illegible]	12.37	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
[illegible]2	8.22	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
16.06	1497.86	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
16.40	4.78	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
16.63	11.93	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
16.71	4.67	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
16.90	3.34	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10
17.10	25.52	1260	0.0000 608		1105K21 DS-3 (0-0.5)30-10

17.37	14.27	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
17.67	7.59	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
17.81	4.70	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
17.88	1.78	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
17.97	1.48	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
18.19	8.47	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
18.30	38.83	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
18.49	7.42	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
18.67	8.91	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
18.79	1.35	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
19.00	8.05	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
19.49	14.62	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
19.76	9.04	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
19.88	1.51	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
20.02	22.35	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
20.74	1.56	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
20.90	1.17	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
21.13	9.44	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
21.28	20.26	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
22.49	1.05	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
22.65	1.62	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
22.93	4.92	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
23.97	1.42	1260	0.0000 608	1105K21 DS-3 (0-0.5)30-10
24.29	2.36	-	0.0000 608	1105K21 DS-3 (0-0.5)30-10
25.14	1.15	-	0.0000 608	1105K21 DS-3 (0-0.5)30-10
25.34	3.39	-	0.0000 608	1105K21 DS-3 (0-0.5)30-10
25.64	31.23	DCB	13.5603 608	1105K21 DS-3 (0-0.5)30-10
25.98	24.30	-	0.0000 608	1105K21 DS-3 (0-0.5)30-10
26.87	1.07	-	0.0000 608	1105K21 DS-3 (0-0.5)30-10
	8502.96		15.2956	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0-0.5)

b Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K01

Level: (low/med) LOW Date Received: 11/07/02

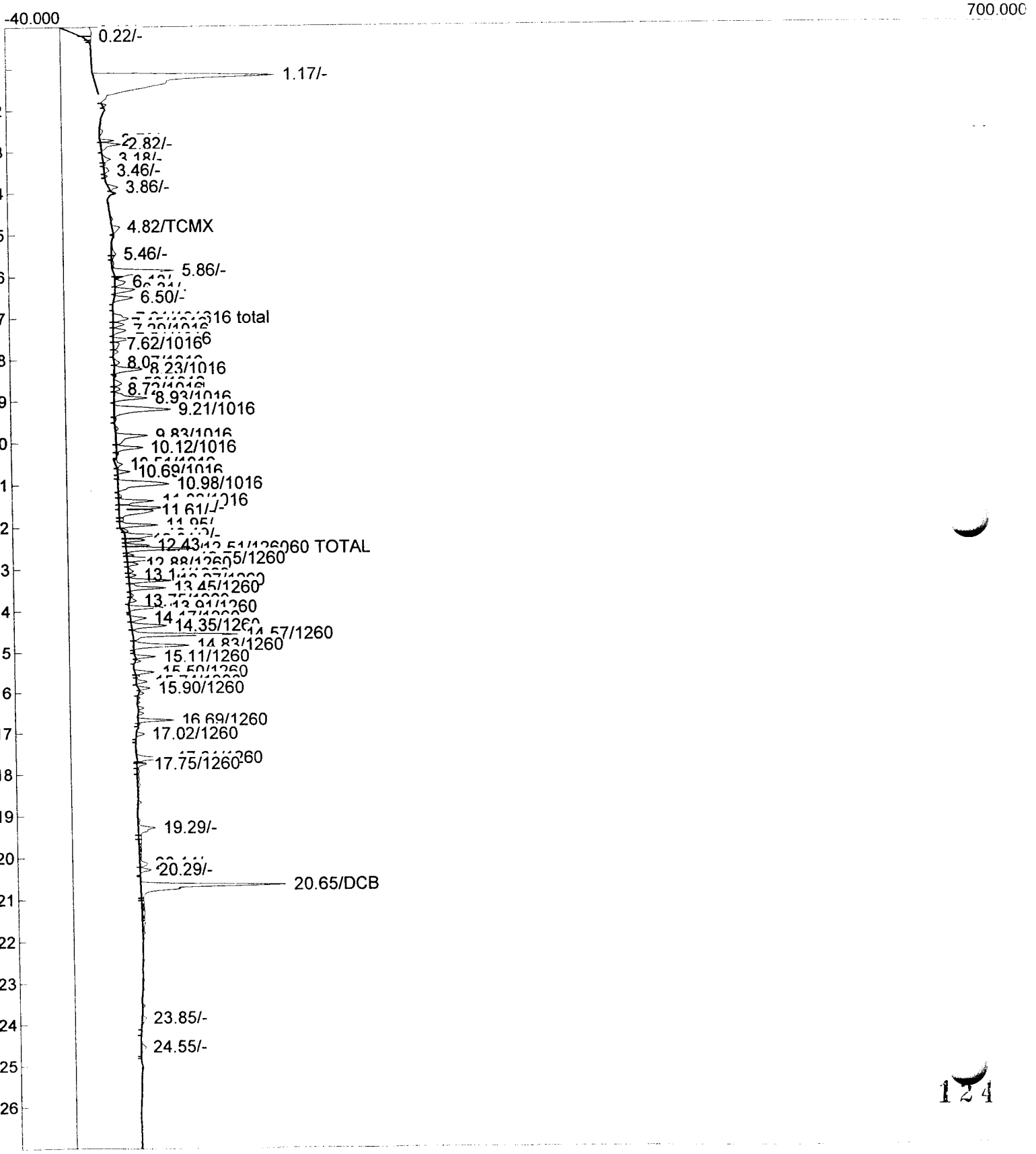
% Moisture: not dec. 18. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	320.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	160.	U

Lab name: AES
Analysis date: 11/16/2002 10:38:31
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b927.chr ()
Sample: 1107K01 OF-(0-0.5) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.12	190.56	0	0.0000 -	DB1701	30-10x4	1107K01 OF-(0-0
0.22	29.67	0	0.0000 -	DB1701		1107K01 OF-(0-0
1.17	1692.37	0	0.0000 -	DB1701		1107K01 OF-(0-0
2.73	32.95	0	0.0000 -	DB1701		1107K01 OF-(0-0
2.82	75.69	0	0.0000 -	DB1701		1107K01 OF-(0-0
3.18	36.15	0	0.0000 -	DB1701		1107K01 OF-(0-0
3.46	24.29	0	0.0000 -	DB1701		1107K01 OF-(0-0
3.86	35.45	0	0.0000 -	DB1701		1107K01 OF-(0-0
4.82	41.16	6	0.0020 TCMX	DB1701		1107K01 OF-(0-0
5.46	20.95	0	0.0000 -	DB1701		1107K01 OF-(0-0
5.86	266.28	0	0.0000 -	DB1701		1107K01 OF-(0-0
6.13	52.10	0	0.0000 -	DB1701		1107K01 OF-(0-0
6.31	79.18	0	0.0000 -	DB1701		1107K01 OF-(0-0
6.50	73.12	0	0.0000 -	DB1701		1107K01 OF-(0-0
7.01	1652.28	2	0.2109 1016 total	DB1701		1107K01 OF-(0-0
7.01	87.74	1	0.0000 1016	DB1701		1107K01 OF-(0-0
7.15	40.96	1	0.0000 1016	DB1701		1107K01 OF-(0-0
7.29	54.79	1	0.0000 1016	DB1701		1107K01 OF-(0-0
7.51	50.52	1	0.0000 1016	DB1701		1107K01 OF-(0-0
7.62	37.30	1	0.0000 1016	DB1701		1107K01 OF-(0-0
8.07	25.50	1	0.0000 1016	DB1701		1107K01 OF-(0-0
8.23	121.12	1	0.0000 1016	DB1701		1107K01 OF-(0-0
8.58	38.75	1	0.0000 1016	DB1701		1107K01 OF-(0-0
8.72	23.38	1	0.0000 1016	DB1701		1107K01 OF-(0-0
8.93	148.02	1	0.0000 1016	DB1701		1107K01 OF-(0-0
9.21	294.95	1	0.0000 1016	DB1701		1107K01 OF-(0-0
9.83	154.26	1	0.0000 1016	DB1701		1107K01 OF-(0-0
10.12	96.92	1	0.0000 1016	DB1701		1107K01 OF-(0-0
10.51	34.72	1	0.0000 1016	DB1701		1107K01 OF-(0-0
10.69	34.58	1	0.0000 1016	DB1701		1107K01 OF-(0-0
10.98	284.26	1	0.0000 1016	DB1701		1107K01 OF-(0-0
11.38	124.50	1	0.0000 1016	DB1701		1107K01 OF-(0-0
11.54	140.39	0	0.0000 -	DB1701		1107K01 OF-(0-0
11.61	173.78	0	0.0000 -	DB1701		1107K01 OF-(0-0
11.95	120.70	0	0.0000 -	DB1701		1107K01 OF-(0-0
12.19	128.88	0	0.0000 -	DB1701		1107K01 OF-(0-0
12.31	55.94	0	0.0000 -	DB1701		1107K01 OF-(0-0
12.43	57.85	0	0.0000 -	DB1701		1107K01 OF-(0-0
12.51	1997.05	4	0.1405 1260 TOTAL	DB1701		1107K01 OF-(0-0
12.51	207.17	3	0.0000 1260	DB1701		1107K01 OF-(0-0
12.75	183.62	3	0.0000 1260	DB1701		1107K01 OF-(0-0
12.88	31.96	3	0.0000 1260	DB1701		1107K01 OF-(0-0
13.14	20.09	3	0.0000 1260	DB1701		1107K01 OF-(0-0
13.27	136.30	3	0.0000 1260	DB1701		1107K01 OF-(0-0
13.45	118.70	3	0.0000 1260	DB1701		1107K01 OF-(0-0
13.75	23.72	3	0.0000 1260	DB1701		1107K01 OF-(0-0
13.91	102.21	3	0.0000 1260	DB1701		1107K01 OF-(0-0
14.17	57.10	3	0.0000 1260	DB1701		1107K01 OF-(0-0
14.35	136.58	3	0.0000 1260	DB1701		1107K01 OF-(0-0
14.57	316.64	3	0.0000 1260	DB1701		1107K01 OF-(0-0
14.83	206.88	3	0.0000 1260	DB1701		1107K01 OF-(0-0
15.11	55.99	3	0.0000 1260	DB1701		1107K01 OF-(0-0
15.50	63.38	3	0.0000 1260	DB1701		1107K01 OF-(0-0
15.74	34.56	3	0.0000 1260	DB1701		1107K01 OF-(0-0
15.90	33.87	3	0.0000 1260	DB1701		1107K01 OF-(0-0
16.69	95.25	3	0.0000 1260	DB1701		1107K01 OF-(0-0
17.02	26.18	3	0.0000 1260	DB1701		1107K01 OF-(0-0
17.61	117.18	3	0.0000 1260	DB1701		1107K01 OF-(0-0
17.75	29.67	3	0.0000 1260	DB1701		1107K01 OF-(0-0
19.29	94.65	0	0.0000 -	DB1701		1107K01 OF-(0-0
20.14	42.22	0	0.0000 -	DB1701		1107K01 OF-(0-0
20.29	38.31	0	0.0000 -	DB1701		1107K01 OF-(0-0
20.65	574.95	5	36.4400 DCB	DB1701		1107K01 OF-(0-0
23.85	27.73	0	0.0000 -	DB1701		1107K01 OF-(0-0
24.55	33.06	0	0.0000 -	DB1701		1107K01 OF-(0-0
	11437.02	65	36.7934			

1248

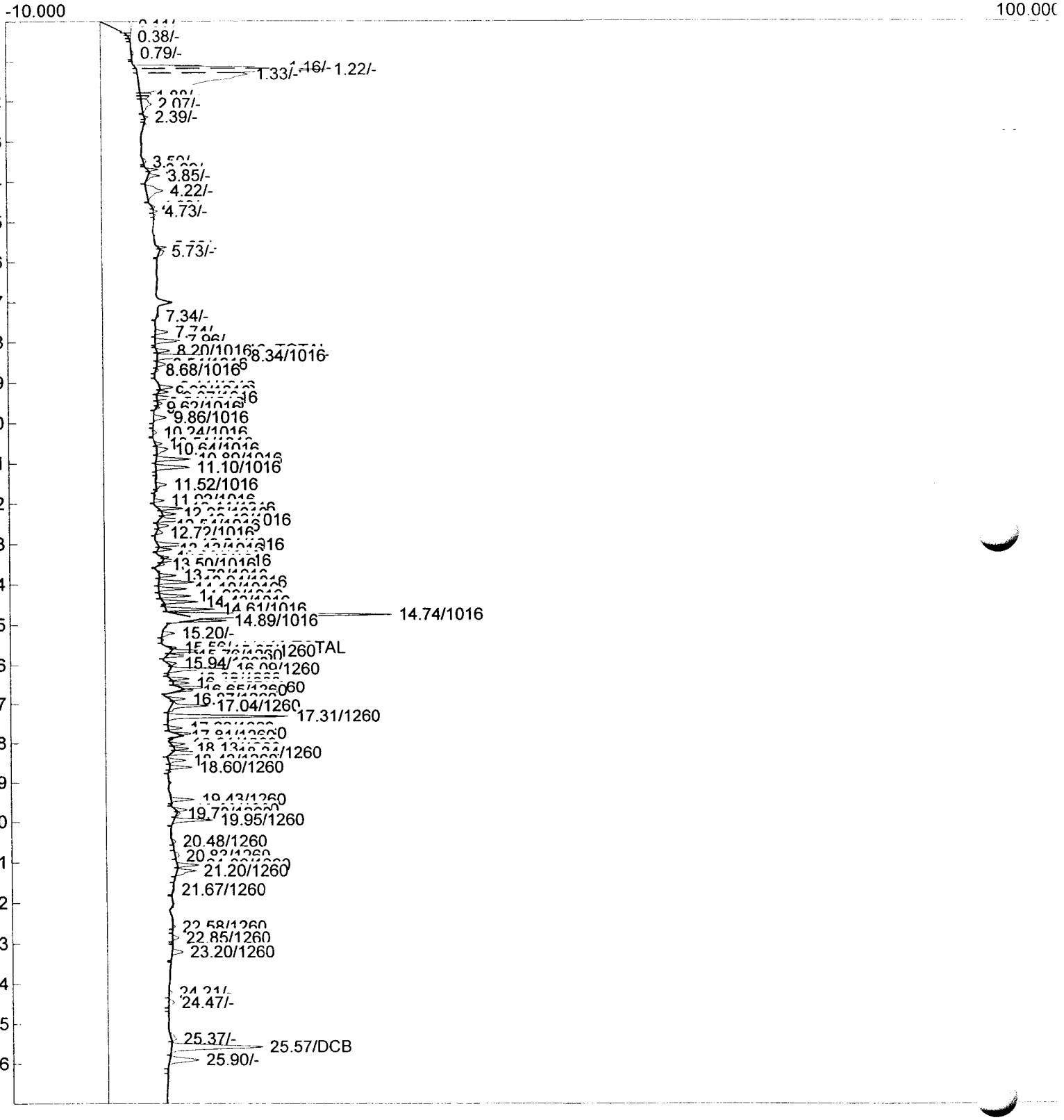
793.74 / 2014.3 x 0.5 ÷ 30 x 10 x 4 ÷ 0.82 x 1K = 320 ug/Kg ✓

1254

735.23 / 2006.01 x 0.5 ÷ 30 x 4 x 10 x 1K ÷ 0.82 = 300 ✓

147

Lab name: AES
Analysis date: 11/16/2002 10:38:31
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C927.chr ()
Sample: 1107K1 OF-(0-0.5) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	33.42 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
0.30	2.38 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
0.38	1.02 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
0.79	2.13 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
16	51.56 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
22	102.03 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
1.33	193.22 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
1.82	4.79 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
1.88	3.60 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
2.07	11.87 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
2.39	1.33 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
3.50	2.37 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
3.69	3.58 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
3.85	6.21 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
4.22	19.10 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
4.62	1.68 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
4.73	1.32 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
5.62	2.53 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
5.73	3.81 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
7.34	1.06 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
7.74	6.80 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
7.96	12.04 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
8.20	387.69	1016 TOTAL	0.3031 608		1107K1 OF-(0-0.5) 30-10
8.20	5.40	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
8.34	38.21	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
8.54	4.72	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
8.68	1.23	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.11	6.08	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.23	3.49	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.37	8.85	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.51	1.73	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.62	1.28	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
9.86	7.40	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
10.24	2.37	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
10.51	2.70	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
10.64	7.57	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
10.89	15.17	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
10	17.69	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
52	5.56	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
11.92	3.77	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
12.11	9.35	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
12.25	4.96	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
12.40	16.00	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
12.54	4.93	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
12.72	3.19	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.01	14.87	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.13	4.82	1016 Ref 1248	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.32	2.12	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.40	5.32	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.50	1.86	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.78	6.37	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
13.94	15.57	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.10	11.02	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.28	12.22	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.43	13.66	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.61	17.77	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.74	98.12	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
14.89	12.32	1016	0.0000 608		1107K1 OF-(0-0.5) 30-10
15.20	5.89 -		0.0000 608		1107K1 OF-(0-0.5) 30-10
15.56	290.00	1260 TOTAL	0.1229 608		1107K1 OF-(0-0.5) 30-10
15.56	1.76	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
15.65	17.73	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
15.76	8.42	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
15.94	3.75	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.09	23.55	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.33	6.86	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.45	5.37	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.57	10.65	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.65	5.61	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
16.87	6.53	1260 Ref 1254	0.0000 608		1107K1 OF-(0-0.5) 30-10
4	18.27	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
51	49.15	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
17.60	5.91	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
17.75	5.31	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
17.81	1.14	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
18.01	5.14	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
18.13	4.93	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10
18.24	22.62	1260	0.0000 608		1107K1 OF-(0-0.5) 30-10

18.43	8.08	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
18.60	9.04	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
19.43	9.83	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
19.69	4.89	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
19.78	1.56	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
19.95	16.42	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
20.48	1.97	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
20.83	3.33	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
21.06	9.15	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
21.20	10.67	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
21.67	1.04	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
22.58	1.12	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
22.85	3.46	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
23.20	6.71	1260	0.0000 608	1107K1 OF-(0-0.5) 30-10
24.21	1.85	-	0.0000 608	1107K1 OF-(0-0.5) 30-10
24.47	3.98	-	0.0000 608	1107K1 OF-(0-0.5) 30-10
25.37	4.92	-	0.0000 608	1107K1 OF-(0-0.5) 30-10
25.57	62.80	DCB	27.2735 608	1107K1 OF-(0-0.5) 30-10
25.90	20.51	-	0.0000 608	1107K1 OF-(0-0.5) 30-10
	1923.16		27.6995	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K02

Level: (low/med) LOW Date Received: 11/07/02

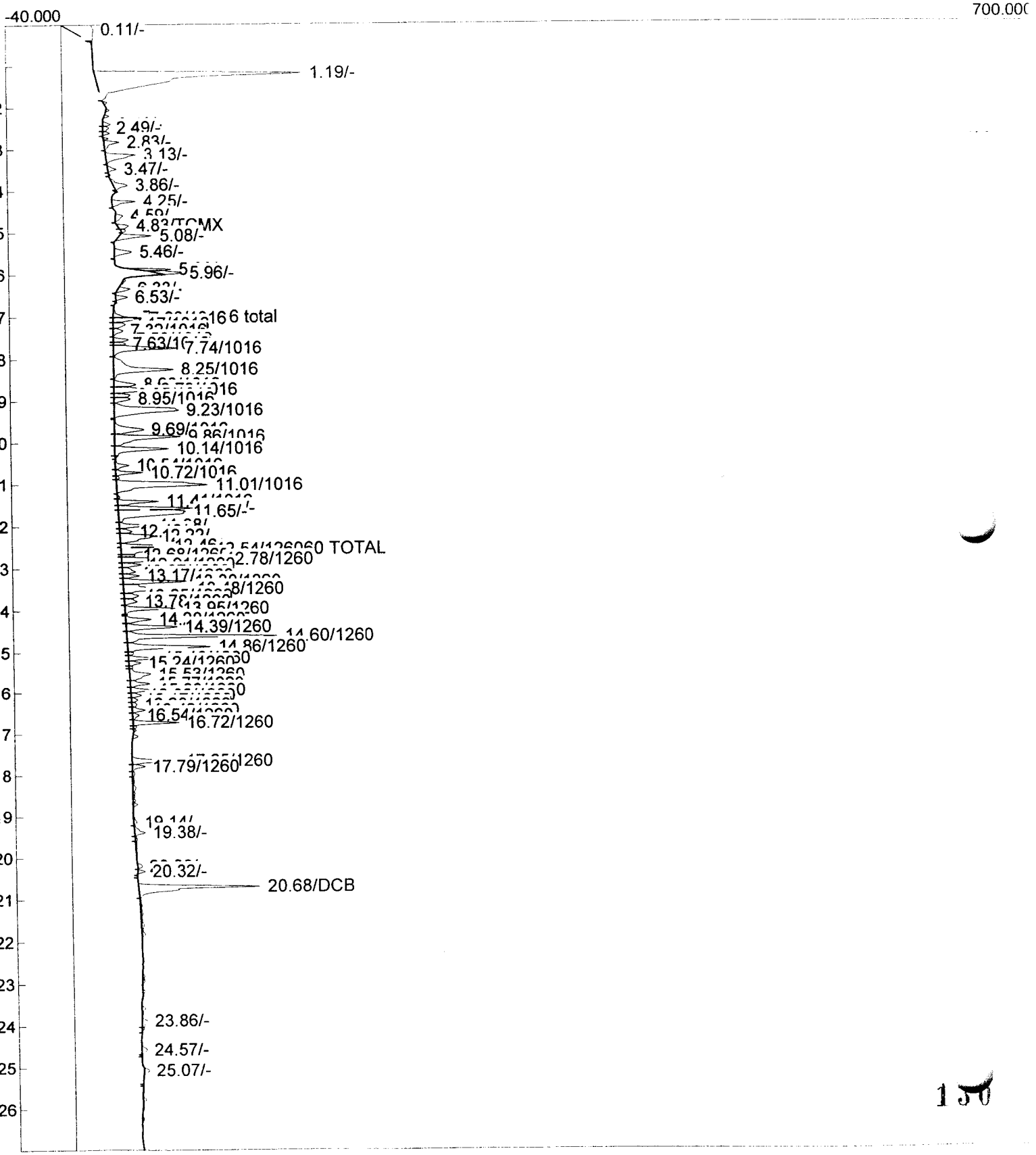
% Moisture: not dec. 20. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	610.	
11097-69-1	Arochlor-1254	500.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 11:21:31
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b928.chr ()
Sample: 1107K02 OF-(0.5-1) 30-10 x 4
Operator: KEN FULLER

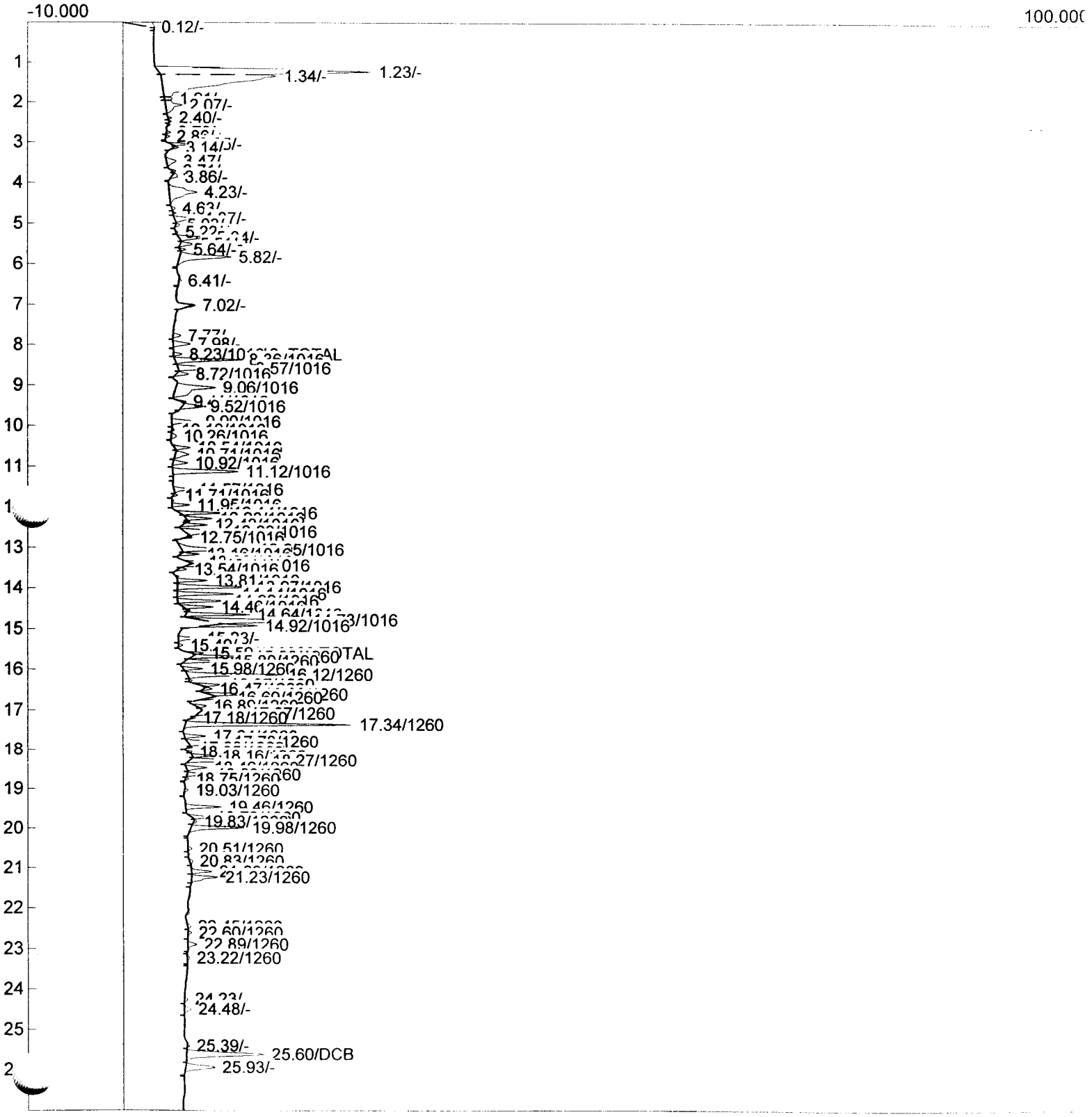


Retention	Area	Number	External	Component		Column	
0.11	295.31	0	0.0000 -		DB1701	30-10 x 4	1107K02 OF-(0
1.19	1823.64	0	0.0000 -		DB1701		1107K02 OF-(0
2.40	25.92	0	0.0000 -		DB1701		1107K02 OF-(0
2.49	25.29	0	0.0000 -		DB1701		1107K02 OF-(0
2.83	62.81	0	0.0000 -		DB1701		1107K02 OF-(0
3.13	153.22	0	0.0000 -		DB1701		1107K02 OF-(0
3.47	30.82	0	0.0000 -		DB1701		1107K02 OF-(0
3.86	75.28	0	0.0000 -		DB1701		1107K02 OF-(0
4.25	75.09	0	0.0000 -		DB1701		1107K02 OF-(0
4.59	37.55	0	0.0000 -		DB1701		1107K02 OF-(0
4.83	42.79	6	0.0021 TCMX		DB1701		1107K02 OF-(0
5.08	111.01	0	0.0000 -		DB1701		1107K02 OF-(0
5.46	78.78	0	0.0000 -		DB1701		1107K02 OF-(0
5.88	67.10	0	0.0000 -		DB1701		1107K02 OF-(0
5.96	72.76	0	0.0000 -		DB1701		1107K02 OF-(0
6.33	41.85	0	0.0000 -		DB1701		1107K02 OF-(0
6.53	38.46	0	0.0000 -		DB1701		1107K02 OF-(0
7.01	3254.43	2	0.4155	1016 total	DB1701		1107K02 OF-(0
7.01	46.25	1	0.0000	1016	DB1701		1107K02 OF-(0
7.03	103.15	1	0.0000	1016	DB1701		1107K02 OF-(0
7.17	55.12	1	0.0000	1016 1248	DB1701		1107K02 OF-(0
7.32	44.24	1	0.0000	1016	DB1701		1107K02 OF-(0
7.53	51.24	1	0.0000	1016	DB1701		1107K02 OF-(0
7.63	32.38	1	0.0000	1016 1469.41	DB1701		1107K02 OF-(0
7.74	258.13	1	0.0000	1016	DB1701		1107K02 OF-(0
8.25	357.13	1	0.0000	1016 610 ug/Kg	DB1701		1107K02 OF-(0
8.60	99.24	1	0.0000	1016	DB1701		1107K02 OF-(0
8.73	173.07	1	0.0000	1016	DB1701		1107K02 OF-(0
8.85	60.25	1	0.0000	1016	DB1701		1107K02 OF-(0
8.95	63.11	1	0.0000	1016	DB1701		1107K02 OF-(0
9.23	440.71	1	0.0000	1016	DB1701		1107K02 OF-(0
9.69	170.10	1	0.0000	1016	DB1701		1107K02 OF-(0
9.86	315.62	1	0.0000	1016	DB1701		1107K02 OF-(0
10.14	210.46	1	0.0000	1016	DB1701		1107K02 OF-(0
0.54	52.33	1	0.0000	1016	DB1701		1107K02 OF-(0
10.72	74.43	1	0.0000	1016	DB1701		1107K02 OF-(0
11.01	516.52	1	0.0000	1016	DB1701		1107K02 OF-(0
11.41	130.93	1	0.0000	1016	DB1701		1107K02 OF-(0
11.57	219.86	0	0.0000 -		DB1701		1107K02 OF-(0
11.65	435.00	0	0.0000 -		DB1701		1107K02 OF-(0
11.98	100.61	0	0.0000 -		DB1701		1107K02 OF-(0
12.12	44.64	0	0.0000 -		DB1701		1107K02 OF-(0
12.22	214.31	0	0.0000 -		DB1701		1107K02 OF-(0
12.46	123.37	0	0.0000 -		DB1701		1107K02 OF-(0
12.54	3534.25	4	0.2486	1260 TOTAL	DB1701		1107K02 OF-(0
12.54	312.89	3	0.0000	1260	DB1701		1107K02 OF-(0
12.68	32.89	3	0.0000	1260	DB1701		1107K02 OF-(0
12.78	284.13	3	0.0000	1260 1254	DB1701		1107K02 OF-(0
12.91	63.34	3	0.0000	1260	DB1701		1107K02 OF-(0
13.07	61.93	3	0.0000	1260 1199.66	DB1701		1107K02 OF-(0
13.17	48.94	3	0.0000	1260	DB1701		1107K02 OF-(0
13.30	214.03	3	0.0000	1260	DB1701		1107K02 OF-(0
13.48	259.86	3	0.0000	1260 500 ug/Kg	DB1701		1107K02 OF-(0
13.65	65.44	3	0.0000	1260	DB1701		1107K02 OF-(0
13.78	57.66	3	0.0000	1260	DB1701		1107K02 OF-(0
13.95	153.96	3	0.0000	1260	DB1701		1107K02 OF-(0
14.20	97.01	3	0.0000	1260	DB1701		1107K02 OF-(0
14.39	194.61	3	0.0000	1260	DB1701		1107K02 OF-(0
14.60	465.84	3	0.0000	1260	DB1701		1107K02 OF-(0
14.86	305.00	3	0.0000	1260	DB1701		1107K02 OF-(0
15.13	86.00	3	0.0000	1260	DB1701		1107K02 OF-(0
15.24	42.75	3	0.0000	1260	DB1701		1107K02 OF-(0
15.53	146.18	3	0.0000	1260	DB1701		1107K02 OF-(0
15.77	72.20	3	0.0000	1260	DB1701		1107K02 OF-(0
5.93	71.87	3	0.0000	1260	DB1701		1107K02 OF-(0
16.06	36.34	3	0.0000	1260	DB1701		1107K02 OF-(0
16.17	23.08	3	0.0000	1260	DB1701		1107K02 OF-(0
16.28	22.01	3	0.0000	1260	DB1701		1107K02 OF-(0
16.42	46.48	3	0.0000	1260	DB1701		1107K02 OF-(0
16.54	29.58	3	0.0000	1260	DB1701		1107K02 OF-(0
16.72	129.76	3	0.0000	1260	DB1701		1107K02 OF-(0
17.65	162.04	3	0.0000	1260	DB1701		1107K02 OF-(0

17.79	48.42	3	0.0000	1260		DB1701	1107K02 OF-(0.5
19.14	20.40	0	0.0000	-		DB1701	1107K02 OF-(0.5
19.38	52.32	0	0.0000	-		DB1701	1107K02 OF-(0.5
20.20	20.87	0	0.0000	-		DB1701	1107K02 OF-(0.5
20.32	20.11	0	0.0000	-		DB1701	1107K02 OF-(0.5
20.68	503.95	5	31.9399	DCB	1284	DB1701	1107K02 OF-(0.5
23.86	35.11	0	0.0000	-		DB1701	1107K02 OF-(0.5
24.57	30.79	0	0.0000	-		DB1701	1107K02 OF-(0.5
25.07	27.39	0	0.0000	-		DB1701	1107K[illegible]-(0.5
	18483.78	81	32.6060				

30-10x4

Lab name: AES
Analysis date: 11/16/2002 11:21:31
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C928.chr ()
Sample: 1107K2 OF-(0.5-1) 30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	13.31 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
1.23	165.77 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
1.34	192.77 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
1.91	3.67 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
2.07	16.48 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
2.40	1.03 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
2.76	1.28 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
2.86	1.37 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
3.05	6.33 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
3.14	1.84 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
3.47	7.70 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
3.71	1.43 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
3.86	3.43 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
4.23	33.59 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
4.63	1.57 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
4.87	10.83 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.03	1.63 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.22	1.11 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.34	14.30 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.51	5.88 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.64	1.62 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
5.82	36.44 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
6.41	1.32 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
7.02	2.54 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
7.77	3.79 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
7.98	9.47 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
8.23	516.16	1016 TOTAL	0.4036 608		1107K2 OF-(0.5-1) 30-10*4
8.23	3.32	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
8.36	30.47	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
8.57	33.02	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
8.72	5.59	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
9.06	39.04	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
9.41	1.49	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
9.52	11.42	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
9.90	13.30	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
10.10	1.01	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
10.26	3.30	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
10.54	6.91	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
10.71	8.99	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
10.92	6.81	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
11.12	34.42	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
11.57	8.34	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
11.71	1.21	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
11.95	6.43	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
12.14	15.61	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
12.28	9.54	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
12.43	8.36	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
12.60	24.25	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
12.75	2.13	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.05	33.37	1016 1248	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.16	6.22	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.36	3.59	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.44	9.68	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.54	2.90	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.81	10.97	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
13.97	30.42	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.14	21.88	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.32	18.86	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.46	11.35	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.64	22.39	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.78	52.93	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
14.92	16.68	1016	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.23	8.95 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.40	1.61 -		0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.59	383.83	1260 TOTAL	0.1627 608		1107K2 OF-(0.5-1) 30-10*4
15.59	3.28	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.68	18.59	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.80	14.49	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
15.98	6.87	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.12	39.62	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.37	8.12	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.47	2.92	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.60	14.33	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.69	8.62	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
16.89	4.38	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
17.07	15.69	1260 1254	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
17.18	1.38	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4
17.34	66.35	1260	0.0000 608		1107K2 OF-(0.5-1) 30-10*4

17.64	8.51	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
17.78	21.30	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
17.93	1.03	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
18.05	1.36	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
18.16	7.65	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
18.27	29.48	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
18.46	9.50	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
33	8.80	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
5	1.12	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
19.03	1.83	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
19.46	15.66	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
19.72	7.83	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
19.83	1.37	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
19.98	25.21	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
20.51	2.00	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
20.83	2.13	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
21.09	8.69	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
21.23	14.56	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
22.45	2.61	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
22.60	1.75	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
22.89	5.22	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
23.22	1.55	1260	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
24.23	2.21	-	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
24.48	4.59	-	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
25.39	1.00	-	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
25.60	53.60	DCB	23.2751 608	1107K2 OF-(0.5-1) 30-10*4
25.93	20.44	-	0.0000 608	1107K2 OF-(0.5-1) 30-10*4
	2432.87		23.8414	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K03

Level: (low/med) LOW Date Received: 11/07/02

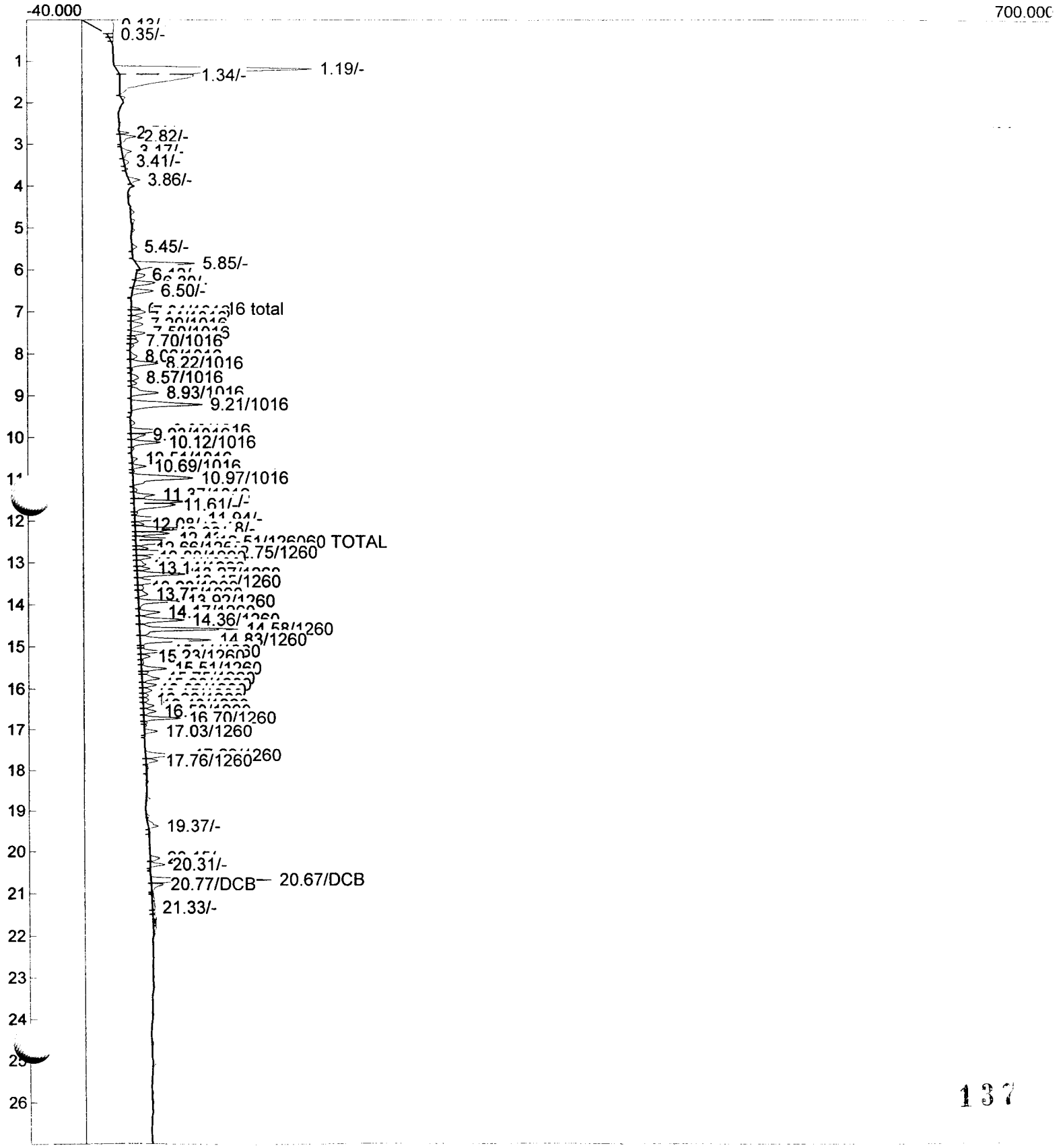
% Moisture: not dec. 21. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	330.	
11097-69-1	Arochlor-1254	420.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 12:04:27
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b929.chr ()
Sample: 1107K03 OF-(1-2) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.13	281.16	0	0.0000 -		DB1701	1107K03 OF-(1-2
0.35	20.67	0	0.0000 -		DB1701	1107K03 OF-(1-2
1.19	1047.11	0	0.0000 -		DB1701	1107K03 OF-(1-2
1.34	704.65	0	0.0000 -		DB1701	1107K03 OF-(1-2
2.73	20.41	0	0.0000 -		DB1701	1107K03 OF-(1-2
2.82	67.05	0	0.0000 -		DB1701	1107K[illegible]F-(1-2
3.17	48.00	0	0.0000 -		DB1701	1107K[illegible]F-(1-2
3.41	21.38	0	0.0000 -		DB1701	1107K03 OF-(1-2
3.86	40.66	0	0.0000 -		DB1701	1107K03 OF-(1-2
0.00	0.00	6	0.0000 TCMX		DB1701	1107K03 OF-(1-2
5.45	21.04	0	0.0000 -		DB1701	1107K03 OF-(1-2
5.85	232.30	0	0.0000 -		DB1701	1107K03 OF-(1-2
6.12	37.54	0	0.0000 -		DB1701	1107K03 OF-(1-2
6.30	76.94	0	0.0000 -		DB1701	1107K03 OF-(1-2
6.50	79.80	0	0.0000 -		DB1701	1107K03 OF-(1-2
6.93	1665.01	2	0.2126	1016 total	DB1701	1107K03 OF-(1-2
6.93	24.31	1	0.0000	1016	DB1701	1107K03 OF-(1-2
7.01	59.93	1	0.0000	1016	DB1701	1107K03 OF-(1-2
7.14	41.43	1	0.0000	1016	DB1701	1107K03 OF-(1-2
7.29	54.72	1	0.0000	1016	DB1701	1107K03 OF-(1-2
7.50	47.93	1	0.0000	1016	DB1701	1107K03 OF-(1-2
7.70	30.08	1	0.0000	1016	DB1701	1107K03 OF-(1-2
8.06	32.75	1	0.0000	1016	DB1701	1107K03 OF-(1-2
8.22	118.53	1	0.0000	1016	DB1701	1107K03 OF-(1-2
8.57	38.47	1	0.0000	1016	DB1701	1107K03 OF-(1-2
8.93	123.52	1	0.0000	1016	DB1701	1107K03 OF-(1-2
9.21	334.93	1	0.0000	1016	DB1701	1107K03 OF-(1-2
9.83	132.91	1	0.0000	1016	DB1701	1107K03 OF-(1-2
9.93	55.95	1	0.0000	1016	DB1701	1107K03 OF-(1-2
10.12	107.06	1	0.0000	1016	DB1701	1107K03 OF-(1-2
10.51	20.65	1	0.0000	1016	DB1701	1107K03 OF-(1-2
10.69	42.17	1	0.0000	1016	DB1701	1107K03 OF-(1-2
10.97	318.81	1	0.0000	1016	DB1701	1107K03 OF-(1-2
11.37	80.87	1	0.0000	1016	DB1701	1107K03 OF-(1-2
11.53	168.73	0	0.0000 -		DB1701	1107K03 OF-(1-2
11.61	196.15	0	0.0000 -		DB1701	1107K[illegible]F-(1-2
11.94	184.00	0	0.0000 -		DB1701	1107K[illegible]F-(1-2
12.08	28.49	0	0.0000 -		DB1701	1107K03 OF-(1-2
12.18	217.54	0	0.0000 -		DB1701	1107K03 OF-(1-2
12.30	103.03	0	0.0000 -		DB1701	1107K03 OF-(1-2
12.43	91.30	0	0.0000 -		DB1701	1107K03 OF-(1-2
12.51	237.45	3	0.0000	1260	DB1701	1107K03 OF-(1-2
12.51	2903.78	4	0.2043	1260 TOTAL	DB1701	1107K03 OF-(1-2
12.66	32.11	3	0.0000	1260	DB1701	1107K03 OF-(1-2
12.75	255.74	3	0.0000	1260	DB1701	1107K03 OF-(1-2
12.88	48.86	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.04	42.22	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.14	41.20	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.27	167.86	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.45	157.57	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.60	28.19	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.75	46.92	3	0.0000	1260	DB1701	1107K03 OF-(1-2
13.92	132.08	3	0.0000	1260	DB1701	1107K03 OF-(1-2
14.17	79.05	3	0.0000	1260	DB1701	1107K03 OF-(1-2
14.36	182.96	3	0.0000	1260	DB1701	1107K03 OF-(1-2
14.58	327.02	3	0.0000	1260	DB1701	1107K03 OF-(1-2
14.83	279.43	3	0.0000	1260	DB1701	1107K03 OF-(1-2
15.11	78.31	3	0.0000	1260	DB1701	1107K03 OF-(1-2
15.23	31.73	3	0.0000	1260	DB1701	1107K03 OF-(1-2
15.51	87.74	3	0.0000	1260	DB1701	1107K03 OF-(1-2
15.75	79.88	3	0.0000	1260	DB1701	1107K03 OF-(1-2
15.90	49.94	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.03	37.23	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.15	20.54	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.26	21.43	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.40	41.76	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.53	50.71	3	0.0000	1260	DB1701	1107K03 OF-(1-2
16.70	110.74	3	0.0000	1260	DB1701	1107K03 OF-(1-2
17.03	41.15	3	0.0000	1260	DB1701	1107K03 OF-(1-2
17.63	151.00	3	0.0000	1260	DB1701	1107K03 OF-(1-2
17.76	42.93	3	0.0000	1260	DB1701	1107K03 OF-(1-2
19.37	54.22	0	0.0000 -		DB1701	1107K03 OF-(1-

30-10 x 4

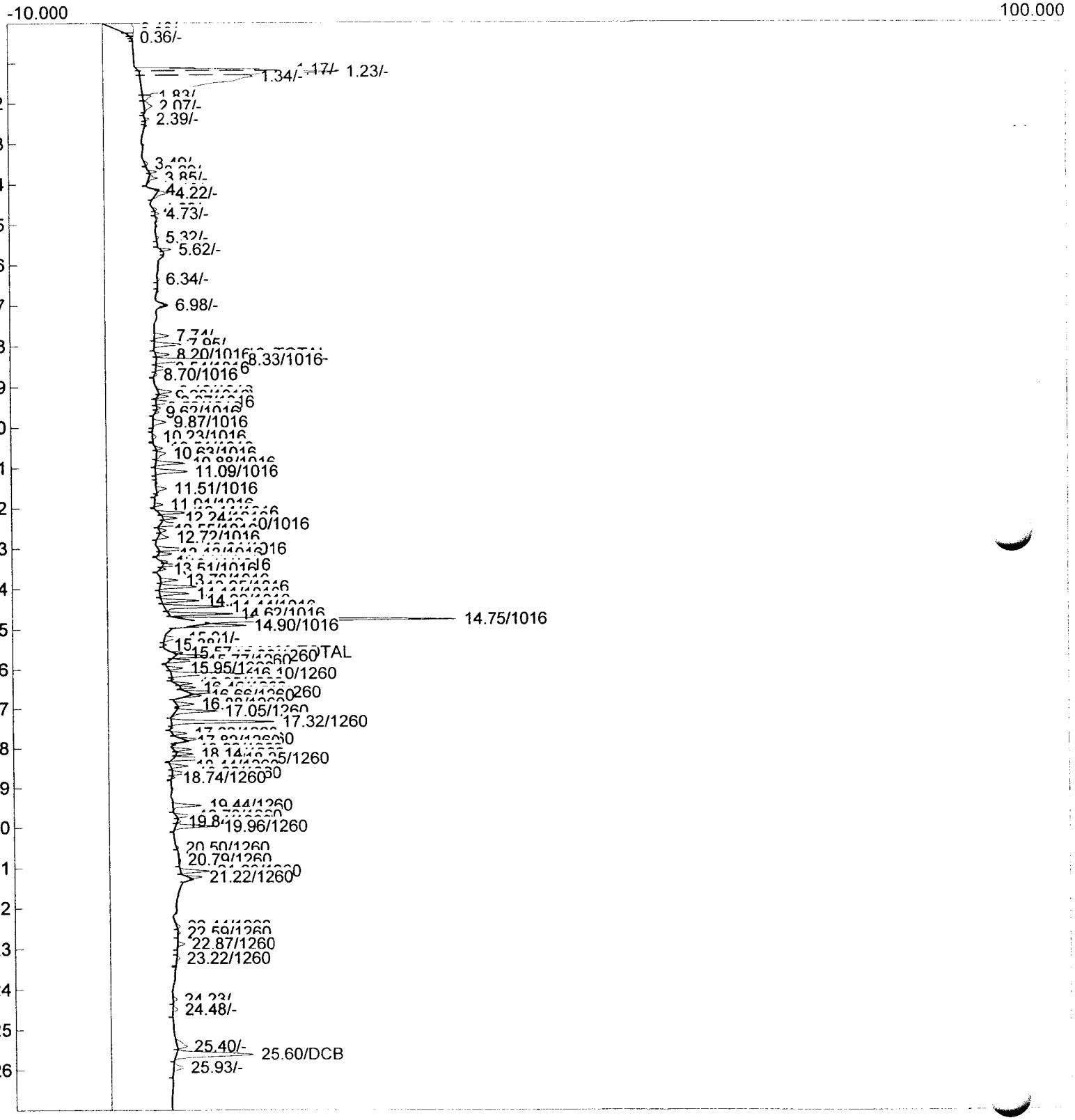
1248
791.83
330 ug/Kg

1254
999.78
420 ug/Kg

20.15	38.00	0	0.0000	-	DB1701	1107K03 OF-(1-2)
20.31	44.95	0	0.0000	-	DB1701	1107K03 OF-(1-2)
20.67	362.09	5	22.9488	DCB	DB1701	1107K03 OF-(1-2)
20.77	51.16	5	3.2428	~~DCB~~	DB1701	1107K03 OF-(1-2)
21.33	23.12	0	0.0000	-	DB1701	1107K03 OF-(1-2)
	13399.08	76	26.6084			

92

Lab name: AES
Analysis date: 11/16/2002 12:04:27
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C929.chr ()
Sample: 1107K3 OF-(1-2) 30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	30.42 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
0.26	3.10 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
0.36	1.04 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
1.17	48.93 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
1.23	107.33 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
34	192.38 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
33	5.27 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
2.07	7.56 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
2.39	1.48 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
3.49	1.92 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
3.69	2.75 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
3.85	5.07 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
4.13	1.10 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
4.22	6.76 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
4.62	1.58 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
4.73	1.25 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
5.32	1.27 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
5.62	3.36 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
6.34	1.02 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
6.98	1.57 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
7.74	7.65 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
7.95	13.29 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
8.20	441.72	1016 TOTAL	0.3454 608		1107K3 OF-(1-2) 30-10*4
8.20	5.89	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
8.33	37.90	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
8.54	6.06	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
8.70	1.12	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.12	7.16	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.23	3.82	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.37	8.11	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.52	1.39	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.62	1.43	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
9.87	8.02	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
10.23	2.35	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
10.51	2.88	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
10.63	6.02	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
10.88	12.72	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
11.09	16.94	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
11	5.58	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
91	3.42	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
12.11	10.80	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
12.24	5.29	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
12.40	22.85	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
12.55	3.20	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
12.72	5.43	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.01	15.77	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.13	4.92	1016 1248	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.33	1.92	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.41	5.43	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.51	2.23	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.78	6.93	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
13.95	16.23	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.11	11.86	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.29	14.74	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.44	24.86	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.62	23.42	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.75	116.96	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
14.90	18.08	1016	0.0000 608		1107K3 OF-(1-2) 30-10*4
15.21	7.80 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
15.38	1.05 -		0.0000 608		1107K3 OF-(1-2) 30-10*4
15.57	302.74	1260 TOTAL	0.1283 608		1107K3 OF-(1-2) 30-10*4
15.57	2.29	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
15.66	17.73	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
15.77	11.01	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
15.95	5.45	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
16.10	31.28	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
16.35	6.11	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
16.46	5.14	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
16.58	13.87	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
16.66	5.79	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
98	7.80	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
5	18.86	1260 1254	0.0000 608		1107K3 OF-(1-2) 30-10*4
17.32	41.97	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
17.62	5.65	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
17.76	6.11	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
17.82	1.34	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
18.02	6.54	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4
18.14	5.61	1260	0.0000 608		1107K3 OF-(1-2) 30-10*4

18.25	25.29	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
18.44	7.49	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
18.62	7.23	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
18.74	1.09	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
19.44	13.03	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
19.70	6.96	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
19.84	1.33	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
19.96	17.42	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
20.50	1.03	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
20.79	1.56	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
21.08	13.18	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
21.22	4.73	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
22.44	2.86	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
22.59	1.48	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
22.87	3.65	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
23.22	1.86	1260	0.0000 608	1107K3 OF-(1-2) 30-10*4
24.23	2.52	-	0.0000 608	1107K3 OF-(1-2) 30-10*4
24.48	3.31	-	0.0000 608	1107K3 OF-(1-2) 30-10*4
25.40	8.99	-	0.0000 608	1107K3 OF-(1-2) 30-10*4
25.60	53.13	DCB	23.0741 608	1107K3 OF-(1-2) 30-10*4
25.93	6.90	-	0.0000 608	1107K3 OF-(1-2) 30-10*4
	2018.70		23.5478	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K04

Level: (low/med) LOW Date Received: 11/07/02

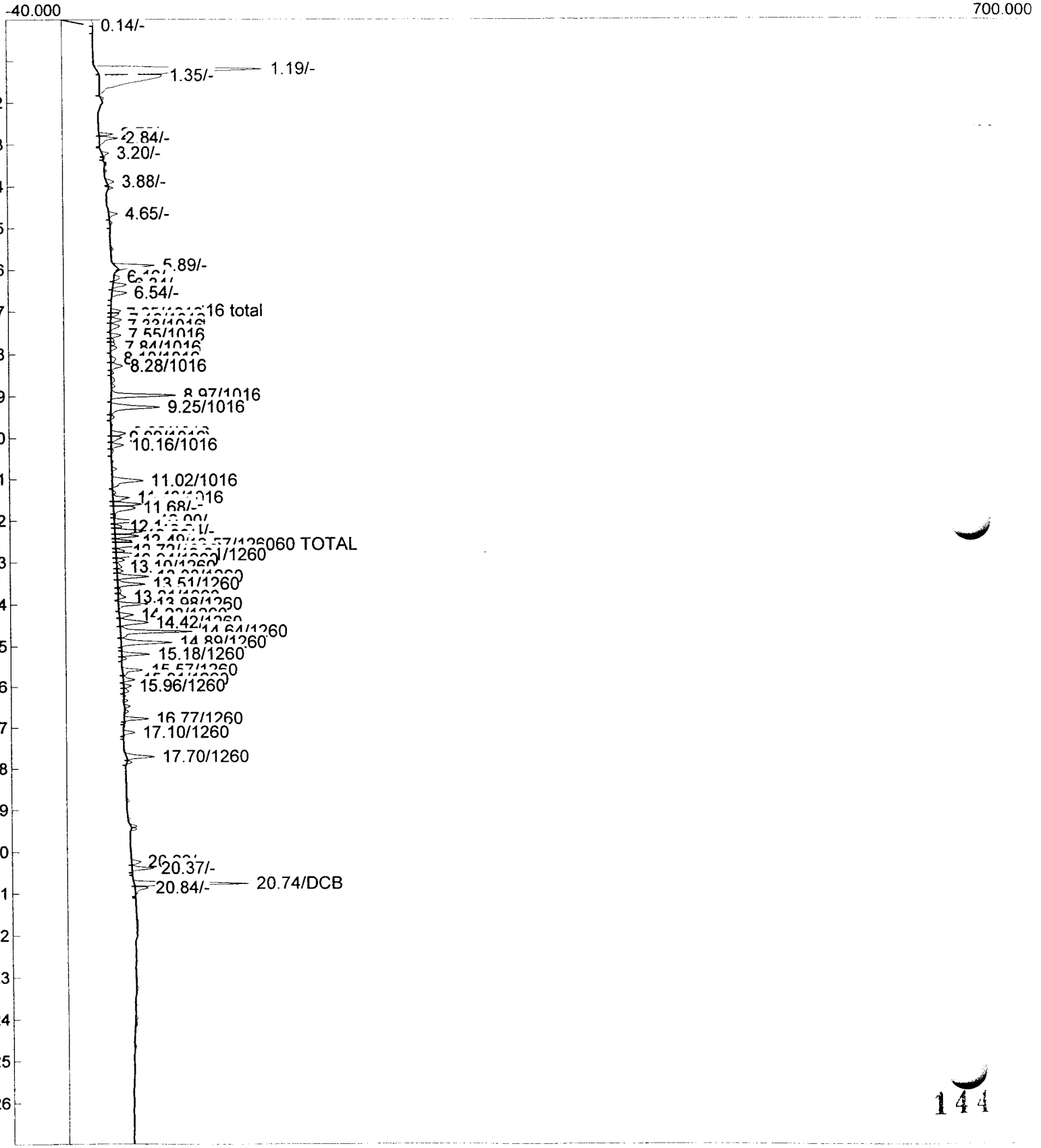
% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	280.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 12:47:26
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b930.chr ()
Sample: 1107K04 US-1 (0-0.5) 30-10x4
Operator: KEN FULLER



Retention	Area	Number	External	Component		Column	S
0.14	106.81	0	0.0000 -		DB1701	30-10 x 4	1107K04 US-1 (0
1.19	902.22	0	0.0000 -		DB1701		1107K04 US-1 (0
1.35	598.37	0	0.0000 -		DB1701		1107K04 US-1 (0
2.75	33.26	0	0.0000 -		DB1701		1107K04 US-1 (0
34	71.88	0	0.0000 -		DB1701		1107K04 US-1 (0
.20	22.26	0	0.0000 -		DB1701		1107K04 US-1 (0
3.88	29.09	0	0.0000 -		DB1701		1107K04 US-1 (0
4.65	32.81	0	0.0000 -		DB1701		1107K04 US-1 (0
0.00	0.00	6	0.0000 TCMX		DB1701		1107K04 US-1 (0
5.89	141.20	0	0.0000 -		DB1701		1107K04 US-1 (0
6.16	25.11	0	0.0000 -		DB1701		1107K04 US-1 (0
6.34	49.05	0	0.0000 -		DB1701		1107K04 US-1 (0
6.54	56.76	0	0.0000 -		DB1701		1107K04 US-1 (0
6.97	1065.61	2	0.1360	1016 total	DB1701		1107K04 US-1 (0
6.97	34.74	1	0.0000	1016	DB1701		1107K04 US-1 (0
7.05	24.71	1	0.0000	1016	DB1701		1107K04 US-1 (0
7.19	40.43	1	0.0000	1016	DB1701		1107K04 US-1 (0
7.33	41.37	1	0.0000	1016	DB1701		1107K04 US-1 (0
7.55	35.96	1	0.0000	1016	DB1701		1107K04 US-1 (0
7.84	24.16	1	0.0000	1016	DB1701		1107K04 US-1 (0
8.10	26.33	1	0.0000	1016	DB1701		1107K04 US-1 (0
8.28	50.78	1	0.0000	1016	DB1701		1107K04 US-1 (0
8.97	217.34	1	0.0000	1016	DB1701		1107K04 US-1 (0
9.25	210.10	1	0.0000	1016	DB1701		1107K04 US-1 (0
9.88	58.19	1	0.0000	1016	DB1701		1107K04 US-1 (0
9.99	43.48	1	0.0000	1016	DB1701		1107K04 US-1 (0
10.16	45.66	1	0.0000	1016	DB1701		1107K04 US-1 (0
11.02	148.91	1	0.0000	1016	DB1701		1107K04 US-1 (0
11.43	63.45	1	0.0000	1016	DB1701		1107K04 US-1 (0
11.59	92.35	0	0.0000 -		DB1701		1107K04 US-1 (0
11.68	107.50	0	0.0000 -		DB1701		1107K04 US-1 (0
12.00	105.32	0	0.0000 -		DB1701		1107K04 US-1 (0
12.14	24.60	0	0.0000 -		DB1701		1107K04 US-1 (0
12.24	135.65	0	0.0000 -		DB1701		1107K04 US-1 (0
36	73.11	0	0.0000 -		DB1701		1107K04 US-1 (0
.49	47.36	0	0.0000 -		DB1701		1107K04 US-1 (0
12.57	1777.53	4	0.1250	1260 TOTAL	DB1701		1107K04 US-1 (0
12.57	198.11	3	0.0000	1260	DB1701		1107K04 US-1 (0
12.72	25.22	3	0.0000	1260	DB1701		1107K04 US-1 (0
12.81	163.87	3	0.0000	1260	DB1701		1107K04 US-1 (0
12.94	25.73	3	0.0000	1260	DB1701		1107K04 US-1 (0
13.10	21.10	3	0.0000	1260	DB1701		1107K04 US-1 (0
13.33	104.53	3	0.0000	1260	DB1701		1107K04 US-1 (0
13.51	90.17	3	0.0000	1260	DB1701		1107K04 US-1 (0
13.81	27.25	3	0.0000	1260	DB1701		1107K04 US-1 (0
13.98	90.55	3	0.0000	1260	DB1701		1107K04 US-1 (0
14.23	49.45	3	0.0000	1260	DB1701		1107K04 US-1 (0
14.42	123.68	3	0.0000	1260	DB1701		1107K04 US-1 (0
14.64	236.00	3	0.0000	1260	DB1701		1107K04 US-1 (0
14.89	192.45	3	0.0000	1260	DB1701		1107K04 US-1 (0
15.18	79.96	3	0.0000	1260	DB1701		1107K04 US-1 (0
15.57	79.52	3	0.0000	1260	DB1701		1107K04 US-1 (0
15.81	39.99	3	0.0000	1260	DB1701		1107K04 US-1 (0
15.96	23.93	3	0.0000	1260	DB1701		1107K04 US-1 (0
16.77	68.83	3	0.0000	1260	DB1701		1107K04 US-1 (0
17.10	36.53	3	0.0000	1260	DB1701		1107K04 US-1 (0
17.70	100.67	3	0.0000	1260	DB1701		1107K04 US-1 (0
20.22	35.34	0	0.0000 -		DB1701		1107K04 US-1 (0
20.37	67.05	0	0.0000 -		DB1701		1107K04 US-1 (0
20.74	338.11	5	21.4294	DCB	DB1701		1107K04 US-1 (0
20.84	51.07	0	0.0000 -		DB1701		1107K04 US-1 (0
	8832.57	60	21.6904				

1016 Background 326.96

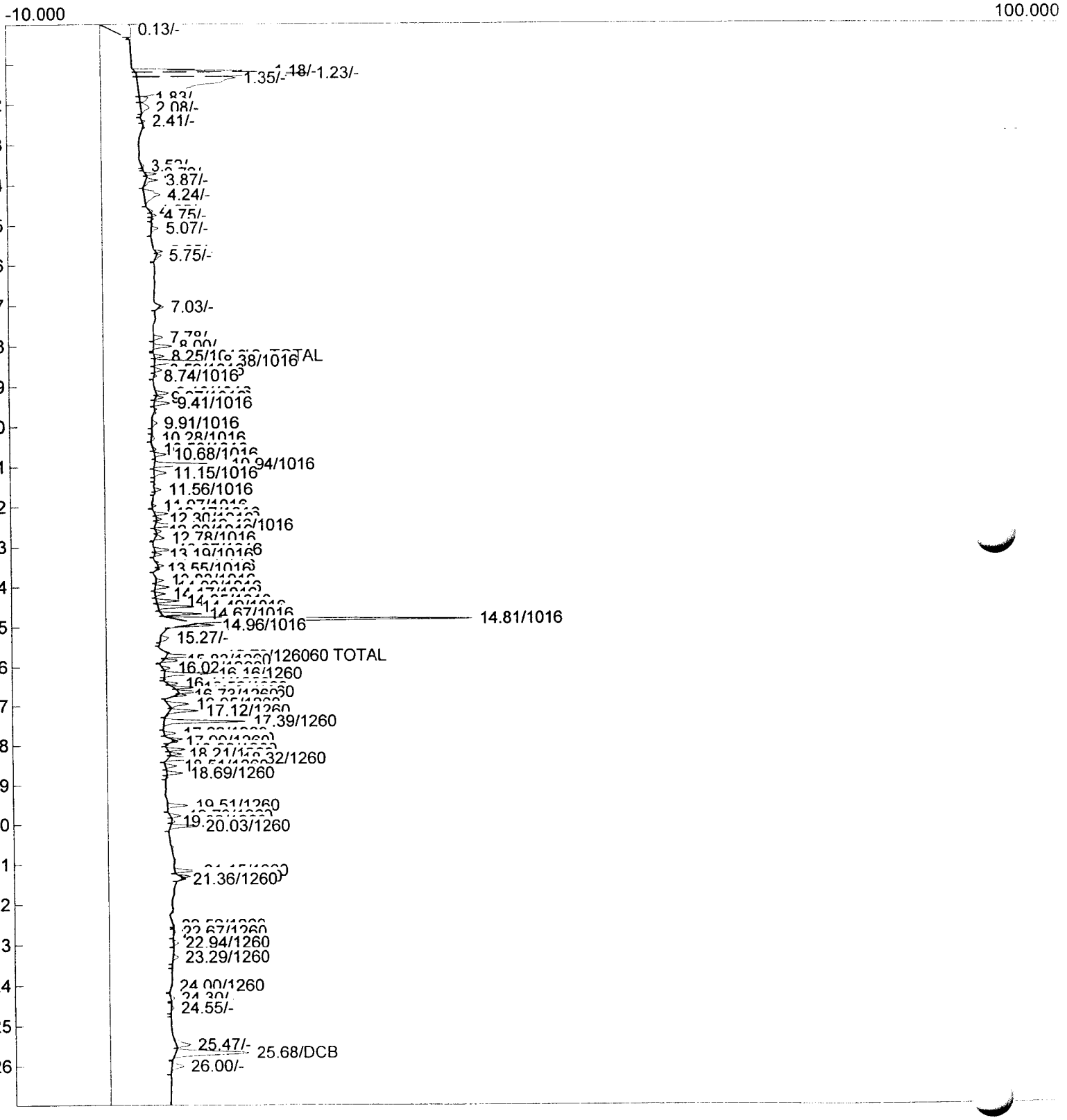
1248 389.44 170 ug/Kg

1254 641.37 280

169.5 126° Background

86%

Lab name: AES
Analysis date: 11/16/2002 12:47:26
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C930.chr ()
Sample: 1107K4US-1(0-0.5) 30-10 Y 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	36.72 -		0.0000 608		1107K4US-1(0-0.5) 30-10 x4
1.18	43.77 -		0.0000 608		1107K4US-1(0-0.5) 30-10
1.23	94.82 -		0.0000 608		1107K4US-1(0-0.5) 30-10
1.35	171.92 -		0.0000 608		1107K4US-1(0-0.5) 30-10
83	5.86 -		0.0000 608		1107K4US-1(0-0.5) 30-10
08	8.61 -		0.0000 608		1107K4US-1(0-0.5) 30-10
41	1.18 -		0.0000 608		1107K4US-1(0-0.5) 30-10
3.52	1.52 -		0.0000 608		1107K4US-1(0-0.5) 30-10
3.72	3.74 -		0.0000 608		1107K4US-1(0-0.5) 30-10
3.87	6.74 -		0.0000 608		1107K4US-1(0-0.5) 30-10
4.24	19.24 -		0.0000 608		1107K4US-1(0-0.5) 30-10
4.65	1.60 -		0.0000 608		1107K4US-1(0-0.5) 30-10
4.75	1.60 -		0.0000 608		1107K4US-1(0-0.5) 30-10
5.07	4.07 -		0.0000 608		1107K4US-1(0-0.5) 30-10
5.65	2.22 -		0.0000 608		1107K4US-1(0-0.5) 30-10
5.75	2.86 -		0.0000 608		1107K4US-1(0-0.5) 30-10
7.03	1.62 -		0.0000 608		1107K4US-1(0-0.5) 30-10
7.78	4.87 -		0.0000 608		1107K4US-1(0-0.5) 30-10
8.00	8.78 -		0.0000 608		1107K4US-1(0-0.5) 30-10
8.25	341.83	1016 TOTAL	0.2673 608		1107K4US-1(0-0.5) 30-10
8.25	4.04	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
8.38	27.33	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
8.59	3.73	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
8.74	1.23	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
9.16	5.60	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
9.27	2.67	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
9.41	7.55	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
9.91	3.82	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
10.28	2.29	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
10.56	1.62	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
10.68	5.25	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
10.94	29.98	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
11.15	7.01	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
11.56	2.82	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
11.97	1.67	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
12.17	5.13	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
12.30	1.92	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
16	18.28	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
0	2.34	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
12.78	4.49	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
13.07	7.22	1016 1248	0.0000 608		1107K4US-1(0-0.5) 30-10
13.19	2.65	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
13.47	1.82	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
13.55	1.14	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
13.83	3.00	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.00	6.10	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.17	4.26	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.35	8.78	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.49	14.87	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.67	14.45	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.81	129.06	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
14.96	9.69	1016	0.0000 608		1107K4US-1(0-0.5) 30-10
15.27	5.07 -		0.0000 608		1107K4US-1(0-0.5) 30-10
15.72	235.83	1260 TOTAL	0.1000 608		1107K4US-1(0-0.5) 30-10
15.72	18.87	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
15.83	5.77	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.02	3.12	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.16	18.87	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.41	3.73	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.52	7.77	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.64	8.36	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.73	3.91	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
16.95	11.02	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
17.12	12.50	1260 1254	0.0000 608		1107K4US-1(0-0.5) 30-10
17.39	34.59	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
17.69	4.76	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
17.83	3.26	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
17.90	1.38	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
18.09	6.62	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
18 21	3.51	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
2	26.68	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
1	5.15	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
18.69	6.39	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
19.51	9.17	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
19.78	4.64	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
19.92	1.31	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
20.03	11.62	1260	0.0000 608		1107K4US-1(0-0.5) 30-10
21.15	9.12	1260	0.0000 608		1107K4US-1(0-0.5) 30-10

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21.29	2.90	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
21.36	1.13	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
22.52	1.37	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
22.67	1.20	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
22.94	2.72	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
23.29	3.39	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
24.00	1.01	1260	0.0000 608	1107K4US-1(0-0.5) 30-10
24.30	2.35	-	0.0000 608	1107K4US-1(0-0.5) 30-10
24.55	1.85	-	0.0000 608	1107K4US-1(0-0.5) 30-10
25.47	11.05	-	0.0000 608	1107K4US-1(0-0.5) 30-1(
25.68	50.15	DCB	21.7791 608	1107K4US-1(0-0.5) 30-10
26.00	8.28	-	0.0000 608	1107K4US-1(0-0.5) 30-10
	1655.80		22.1464	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K05

Level: (low/med) LOW Date Received: 11/07/02

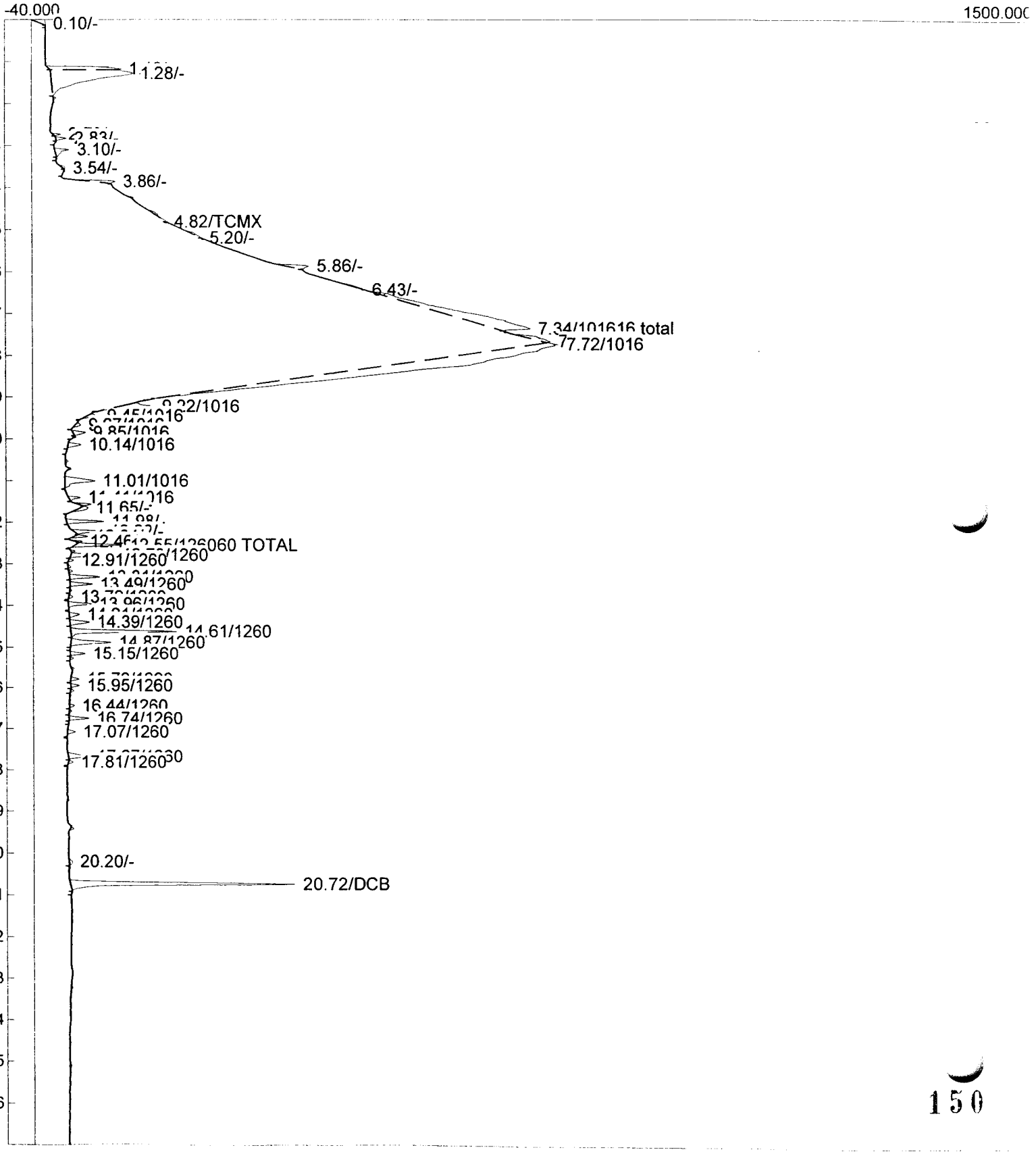
% Moisture: not dec. 21. dec.YES Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	42.	U
11097-69-1	Arochlor-1254	97.	
11096-82-5	Arochlor-1260	42.	U

Lab name: AES
Analysis date: 11/19/2002 22:14:32
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B962.chr ()
Sample: 1107K5 US-1 (0.5-1) 30-10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.10	86.39	0	0.0000 -	DB1701	30-10	1107K5 US-1 (0.5
1.18	460.76	0	0.0000 -	DB1701		1107K5 US-1 (0.5
1.28	1966.21	0	0.0000 -	DB1701		1107K5 US-1 (0.5
2.73	30.71	0	0.0000 -	DB1701		1107K5 US-1 (0.5
93	47.97	0	0.0000 -	DB1701		1107K5 US-1 (0.5
.10	112.48	0	0.0000 -	DB1701		1107K5 US-1 (0.5
3.54	24.41	0	0.0000 -	DB1701		1107K5 US-1 (0.5
3.86	120.79	0	0.0000 -	DB1701		1107K5 US-1 (0.5
4.82	51.37	6	0.0025 TCMX	DB1701		1107K5 US-1 (0.5
5.20	39.09	0	0.0000 -	DB1701		1107K5 US-1 (0.5
5.86	144.00	0	0.0000 -	DB1701		1107K5 US-1 (0.5
6.43	30.92	0	0.0000 -	DB1701		1107K5 US-1 (0.5
7.34	8057.34	2	1.0286 1016 total	DB1701		1107K5 US-1 (0.5
7.34	1811.17	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
7.65	164.82	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
7.72	5153.37	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
9.22	281.55	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
9.45	73.05	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
9.67	38.71	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
9.85	80.38	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
10.14	85.41	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
11.01	306.58	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
11.41	62.30	1	0.0000 1016	DB1701		1107K5 US-1 (0.5
11.57	53.81	0	0.0000 -	DB1701		1107K5 US-1 (0.5
11.65	89.56	0	0.0000 -	DB1701		1107K5 US-1 (0.5
11.98	202.24	0	0.0000 -	DB1701		1107K5 US-1 (0.5
12.22	154.27	0	0.0000 -	DB1701		1107K5 US-1 (0.5
12.34	64.13	0	0.0000 -	DB1701		1107K5 US-1 (0.5
12.46	23.90	0	0.0000 -	DB1701		1107K5 US-1 (0.5
12.55	2616.82	4	0.1841 1260 TOTAL	DB1701		1107K5 US-1 (0.5
12.55	242.07	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
12.79	230.64	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
12.91	22.56	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
13.31	180.00	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
49	126.11	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
.79	24.19	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
13.96	141.13	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
14.21	69.70	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
14.39	135.99	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
14.61	610.69	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
14.87	293.42	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
15.15	80.42	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
15.79	48.77	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
15.95	45.18	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
16.44	27.48	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
16.74	108.95	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
17.07	48.94	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
17.67	156.55	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
17.81	24.00	3	0.0000 1260	DB1701		1107K5 US-1 (0.5
20.20	32.53	0	0.0000 -	DB1701		1107K5 US-1 (0.5
20.72	1443.58	5	91.4933 DCB	DB1701		1107K5 US-1 (0.5
	26527.44	51	92.7084			

1254 on 14

925.42

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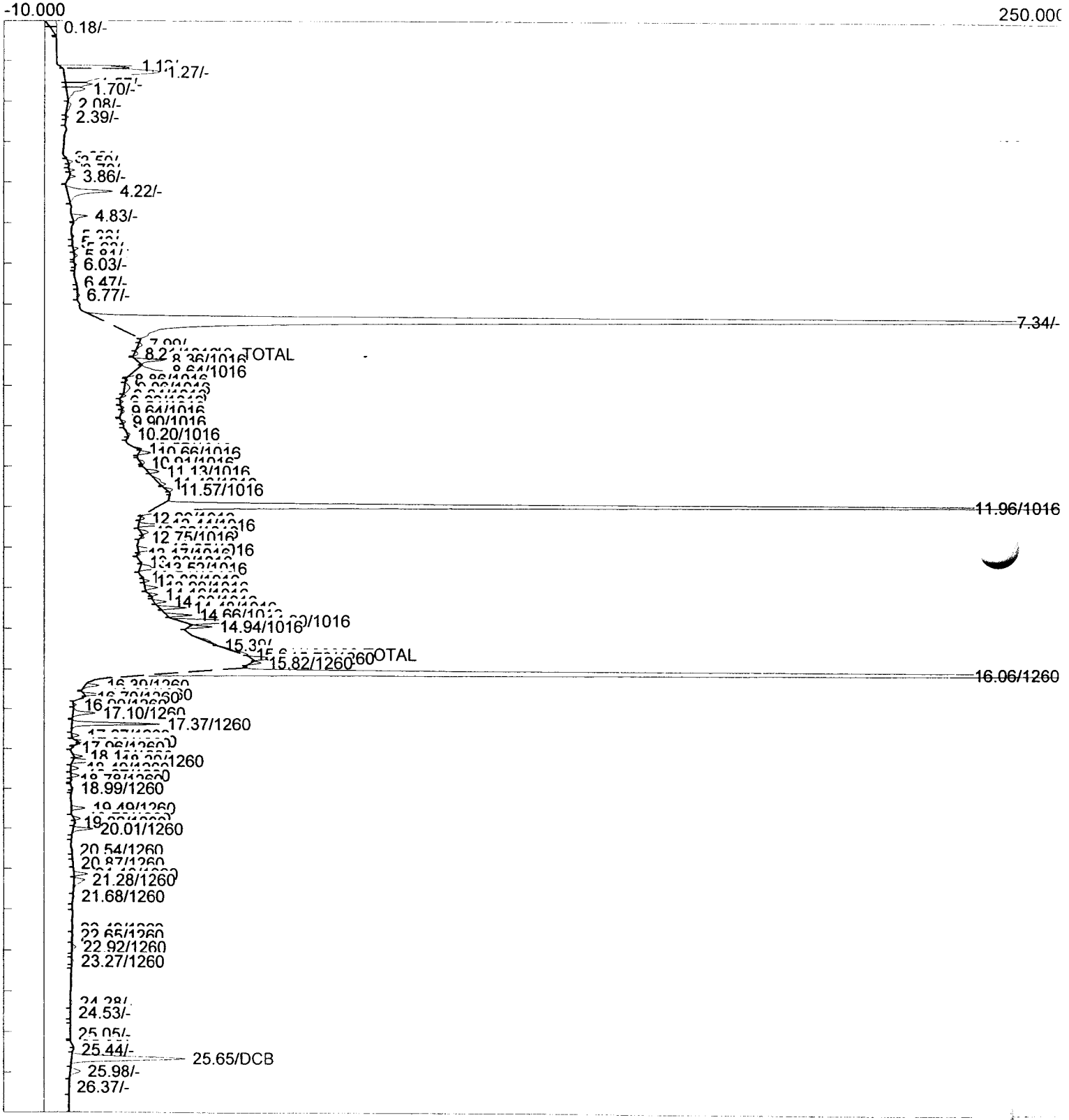
Lab name: AES
Analysis date: 11/19/2002 22:14:32
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C962.chr ()
Sample: 1105K5 US-1 (0.5-1)30-10
Operator: KEN FULLER

1107K5

1107K5



Retention	Area	Component	External	Column	Sample
0.13	20.94 -		0.0000 608	1107	~~1105~~K5 US-1 (0.5-1)30-10
0.18	12.49 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
1.12	72.03 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
1.27	290.72 -		0.0000 608	K5	1105K5 US-1 (0.5-1)30-10
1.57	36.10 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
1.70	37.80 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
2.08	8.77 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
2.39	2.19 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
3.39	1.05 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
3.50	4.34 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
3.70	3.98 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
3.86	5.98 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
4.22	79.24 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
4.83	18.86 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
5.33	2.42 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
5.48	1.36 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
5.63	5.03 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
5.81	4.06 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
6.03	1.80 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
6.47	1.34 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
6.77	3.35 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
7.34	2300.61 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
7.99	5.64 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
8.21	1709.26	1016 TOTAL	1.3364 608		1105K5 US-1 (0.5-1)30-10
8.21	4.66	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
8.36	30.12	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
8.64	58.36	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
8.86	1.69	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.06	14.26	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.24	3.41	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.39	2.86	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.54	2.42	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.64	3.67	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
9.90	3.83	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
10.20	3.00	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
10.57	3.46	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
10.66	11.33	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
10.91	5.34	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
11.13	13.34	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
11.43	13.30	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
11.57	7.29	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
11.96	1233.24	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
12.29	3.48	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
12.44	24.83	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
12.62	10.12	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
12.75	2.76	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.05	26.99	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.17	1.65	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.36	2.13	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.52	24.20	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.74	1.43	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.82	4.37	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
13.99	14.07	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.16	7.19	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.33	11.46	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.48	24.17	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.66	21.64	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.80	95.48	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
14.94	17.70	1016	0.0000 608		1105K5 US-1 (0.5-1)30-10
15.39	9.90 -		0.0000 608		1105K5 US-1 (0.5-1)30-10
15.61	1949.88	1260 TOTAL	0.8266 608		1105K5 US-1 (0.5-1)30-10
15.61	10.68	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
15.70	28.90	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
15.82	9.15	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
16.06	1570.36	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
16.39	14.15	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
16.62	15.63	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
16.70	5.31	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
16.90	2.57	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.10	27.35	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.37	87.88	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.67	7.01	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.81	7.25	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.88	1.34	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
17.96	1.10	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
18.19	7.69	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
18.30	38.53	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10
18.49	8.21	1260	0.0000 608		1105K5 US-1 (0.5-1)30-10

1254

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18.67	8.31	1260	0.0000 608	~~1105~~K5 US-1 (0.5-1)30-10
18.78	1.25	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
18.99	1.55	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
19.49	14.40	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
19.76	6.88	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
19.86	1.71	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
20.01	20.98	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
20.54	2.15	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
20.87	1.75	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
21.13	13.55	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
21.28	20.10	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
21.68	2.38	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
22.49	1.05	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
22.65	2.44	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
22.92	5.68	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
23.27	2.60	1260	0.0000 608	1105K5 US-1 (0.5-1)30-10
24.28	4.08	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
24.53	2.48	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
25.05	1.41	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
25.35	1.18	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
25.44	1.01	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
25.65	189.58	DCB	82.3312 608	1105K5 US-1 (0.5-1)30-10
25.98	16.82	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
26.37	1.30	-	0.0000 608	1105K5 US-1 (0.5-1)30-10
	10466.13		84.4941	

1107
K5

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (1-2)

b Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K06

Level: (low/med) LOW Date Received: 11/07/02

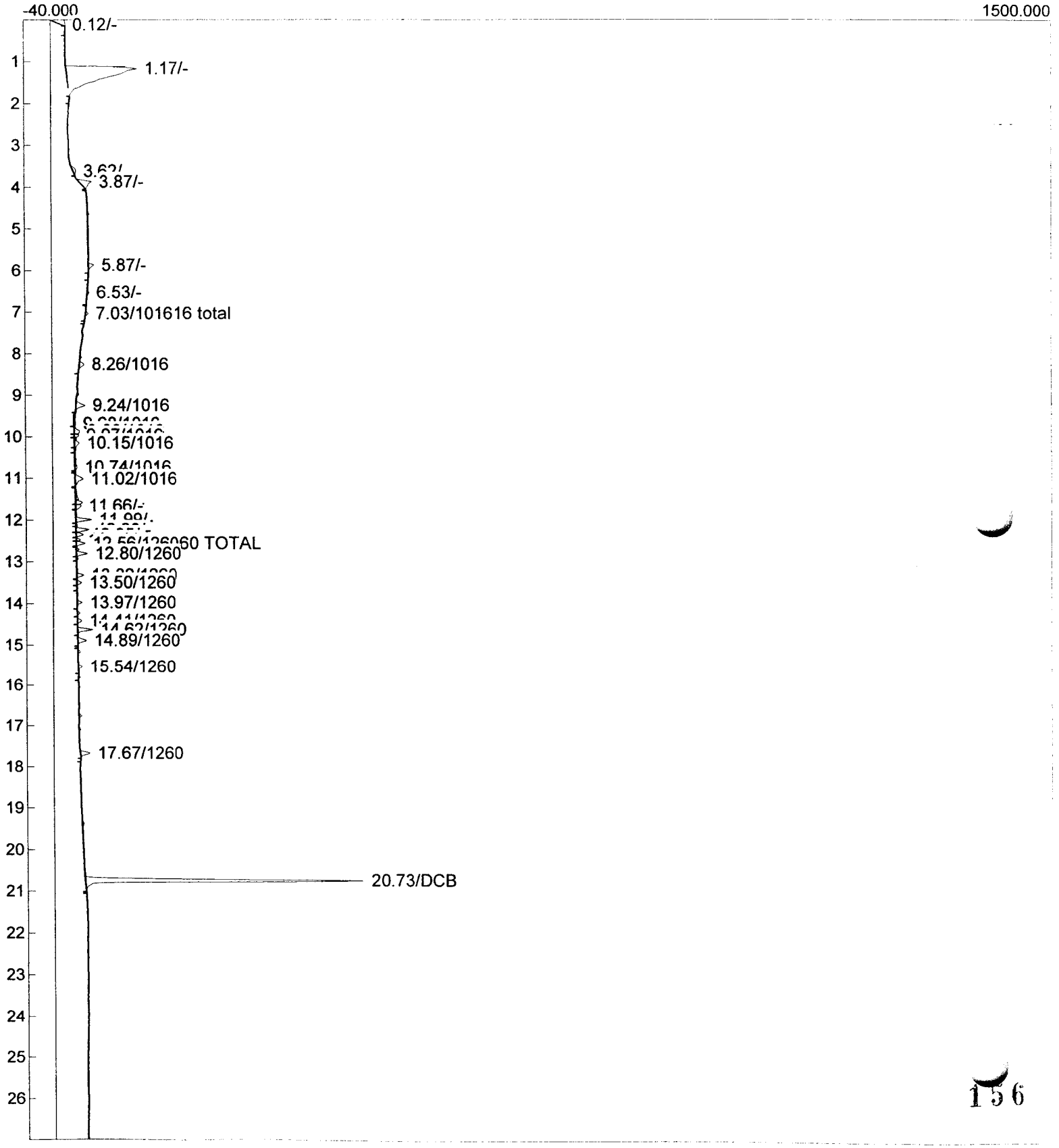
% Moisture: not dec. 16. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	39.	U
11097-69-1	Arochlor-1254	22.	J
11096-82-5	Arochlor-1260	39.	U

Lab name: AES
Analysis date: 11/19/2002 22:57:33
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B963.chr ()
Sample: 1107K6 US-1 (1.0-2.0) 30-10
Operator: KEN FULLER

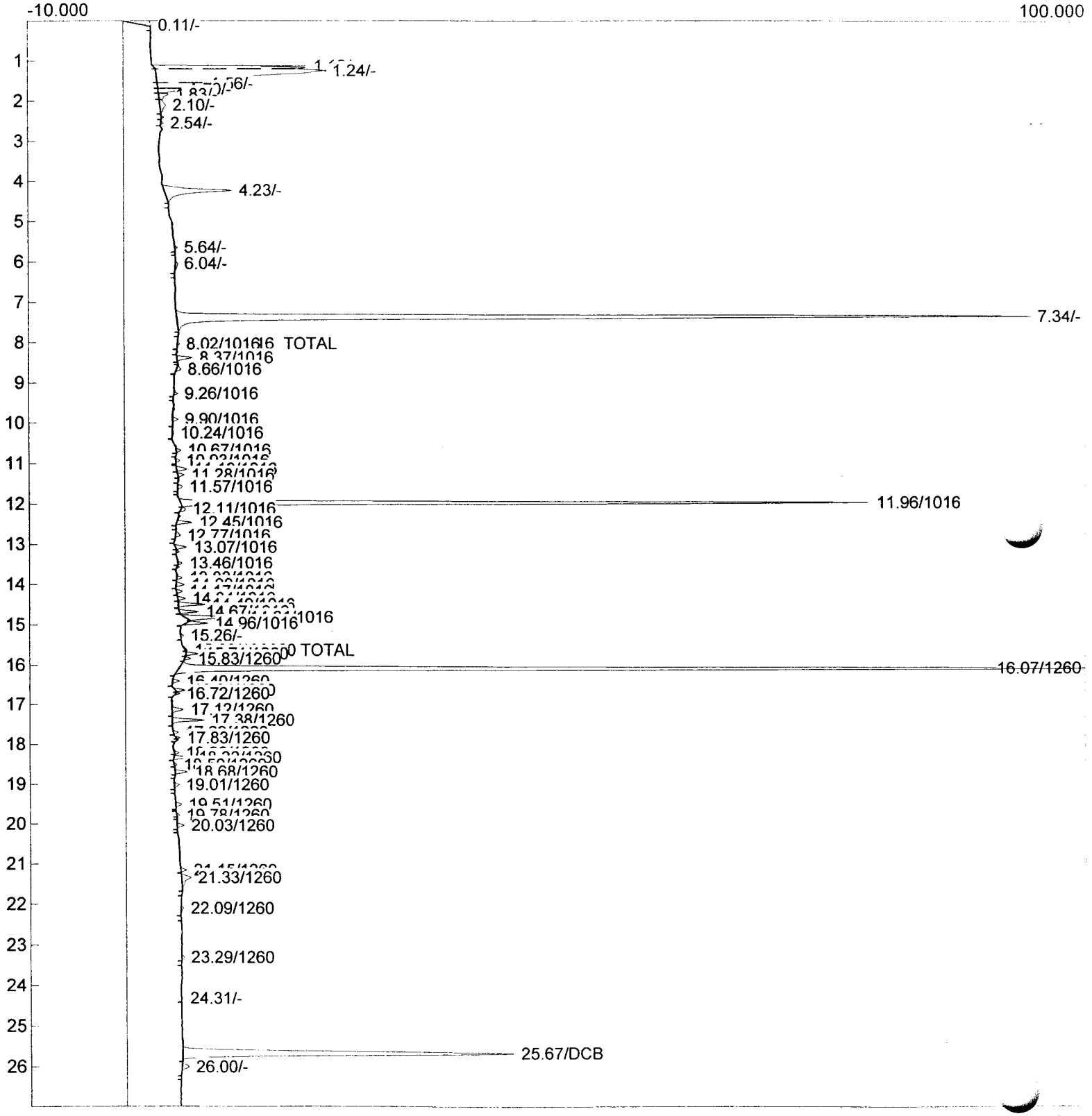


Retention	Area	Number	External	Component		Column	Sa
0.12	100.33	0	0.0000	-	DB1701	30 - 10	1107K6 US-1 (1.0-
1.17	1945.52	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
3.62	44.13	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
3.87	132.11	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
0	0.00	6	0.0000	TCMX	DB1701		1107K6 US-1 (1.0-
87	44.28	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
6.53	22.60	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
7.03	23.01	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
7.03	436.71	2	0.0557	1016 total	DB1701		1107K6 US-1 (1.0-
8.26	49.93	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
9.24	84.58	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
9.68	23.26	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
9.86	56.77	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
9.97	28.40	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
10.15	50.03	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
10.74	20.33	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
11.02	100.41	1	0.0000	1016	DB1701		1107K6 US-1 (1.0-
11.58	47.32	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
11.66	48.13	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
11.99	96.04	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
12.23	86.70	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
12.35	49.10	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
12.48	22.56	0	0.0000	-	DB1701		1107K6 US-1 (1.0-
12.56	57.28	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
12.56	544.83	4	0.0383	1260 TOTAL	DB1701		1107K6 US-1 (1.0-
12.80	70.04	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
13.32	47.90	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
13.50	32.44	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
13.97	32.61	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
14.41	34.67	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
14.62	98.55	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
14.89	70.19	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
15.54	29.80	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
17.67	71.34	3	0.0000	1260	DB1701		1107K6 US-1 (1.0-
73	1687.82	5	106.9732	DCB 108	DB1701		1107K6 US-1 (1.0-
	6289.72	34	107.0672				

217.81

225

Lab name: AES
Analysis date: 11/19/2002 22:57:33
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C963.chr ()
Sample: ~~1105~~K6 US-1 (1-2)30-10 1107 K6
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	11.53 -		0.0000 608	1107K6	~~1105K6~~ US-1 (1-2)30-10
1.12	72.31 -		0.0000 608		1105K6 US-1 (1-2)30-10
1.24	228.55 -		0.0000 608		1105K6 US-1 (1-2)30-10
1.56	32.41 -		0.0000 608		1105K6 US-1 (1-2)30-10
1.70	13.58 -		0.0000 608		1105K6 US-1 (1-2)30-10
83	6.71 -		0.0000 608		1105K6 US-1 (1-2)30-10
10	7.82 -		0.0000 608		1105K6 US-1 (1-2)30-10
2.54	1.05 -		0.0000 608		1105K6 US-1 (1-2)30-10
4.23	54.75 -		0.0000 608		1105K6 US-1 (1-2)30-10
5.64	1.22 -		0.0000 608		1105K6 US-1 (1-2)30-10
6.04	2.43 -		0.0000 608		1105K6 US-1 (1-2)30-10
7.34	500.88 -		0.0000 608		1105K6 US-1 (1-2)30-10
8.02	416.26	1016 TOTAL	0.3254 608		1105K6 US-1 (1-2)30-10
8.02	1.27	1016	0.0000 608		1105K6 US-1 (1-2)30-10
8.37	7.17	1016	0.0000 608		1105K6 US-1 (1-2)30-10
8.66	2.72	1016	0.0000 608		1105K6 US-1 (1-2)30-10
9.26	1.38	1016	0.0000 608		1105K6 US-1 (1-2)30-10
9.90	3.02	1016	0.0000 608		1105K6 US-1 (1-2)30-10
10.24	1.42	1016	0.0000 608		1105K6 US-1 (1-2)30-10
10.67	2.09	1016	0.0000 608		1105K6 US-1 (1-2)30-10
10.93	1.68	1016	0.0000 608		1105K6 US-1 (1-2)30-10
11.13	5.15	1016	0.0000 608		1105K6 US-1 (1-2)30-10
11.28	2.82	1016	0.0000 608		1105K6 US-1 (1-2)30-10
11.57	2.62	1016	0.0000 608		1105K6 US-1 (1-2)30-10
11.96	302.78	1016	0.0000 608		1105K6 US-1 (1-2)30-10
12.11	2.66	1016	0.0000 608		1105K6 US-1 (1-2)30-10
12.45	6.13	1016	0.0000 608		1105K6 US-1 (1-2)30-10
12.77	2.87	1016	0.0000 608		1105K6 US-1 (1-2)30-10
13.07	5.14	1016	0.0000 608		1105K6 US-1 (1-2)30-10
13.46	1.56	1016	0.0000 608		1105K6 US-1 (1-2)30-10
13.83	2.17	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.00	3.91	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.17	2.58	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.34	3.12	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.49	10.84	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.67	7.38	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.81	26.05	1016	0.0000 608		1105K6 US-1 (1-2)30-10
14.96	7.77	1016	0.0000 608		1105K6 US-1 (1-2)30-10
26	1.86 -		0.0000 608		1105K6 US-1 (1-2)30-10
82	566.97	1260 TOTAL	0.2404 608		1105K6 US-1 (1-2)30-10
15.62	1.17	1260	0.0000 608		1105K6 US-1 (1-2)30-10
15.71	4.33	1260	0.0000 608		1105K6 US-1 (1-2)30-10
15.83	2.16	1260	0.0000 608		1105K6 US-1 (1-2)30-10
16.07	485.87	1260	0.0000 608		1105K6 US-1 (1-2)30-10
16.40	3.28	1260	0.0000 608		1105K6 US-1 (1-2)30-10
16.64	3.82	1260	0.0000 608		1105K6 US-1 (1-2)30-10
16.72	1.34	1260	0.0000 608		1105K6 US-1 (1-2)30-10
17.12	6.42	1260	0.0000 608		1105K6 US-1 (1-2)30-10
17.38	13.82	1260	0.0000 608		1105K6 US-1 (1-2)30-10
17.69	2.13	1260	0.0000 608		1105K6 US-1 (1-2)30-10
17.83	1.06	1260	0.0000 608		1105K6 US-1 (1-2)30-10
18.20	2.10	1260	0.0000 608		1105K6 US-1 (1-2)30-10
18.32	6.85	1260	0.0000 608		1105K6 US-1 (1-2)30-10
18.50	1.18	1260	0.0000 608		1105K6 US-1 (1-2)30-10
18.68	5.44	1260	0.0000 608		1105K6 US-1 (1-2)30-10
19.01	2.81	1260	0.0000 608		1105K6 US-1 (1-2)30-10
19.51	3.30	1260	0.0000 608		1105K6 US-1 (1-2)30-10
19.78	1.19	1260	0.0000 608		1105K6 US-1 (1-2)30-10
20.03	3.37	1260	0.0000 608		1105K6 US-1 (1-2)30-10
21.15	2.64	1260	0.0000 608		1105K6 US-1 (1-2)30-10
21.33	9.55	1260	0.0000 608		1105K6 US-1 (1-2)30-10
22.09	1.88	1260	0.0000 608		1105K6 US-1 (1-2)30-10
23.29	1.27	1260	0.0000 608		1105K6 US-1 (1-2)30-10
24.31	1.26 -		0.0000 608		1105K6 US-1 (1-2)30-10
25.67	234.24	DCB	101.7257 608		1105K6 US-1 (1-2)30-10
26.00	4.77 -		0.0000 608		1105K6 US-1 (1-2)30-10
	3141.83		102.2915		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K07

Level: (low/med) LOW Date Received: 11/07/02

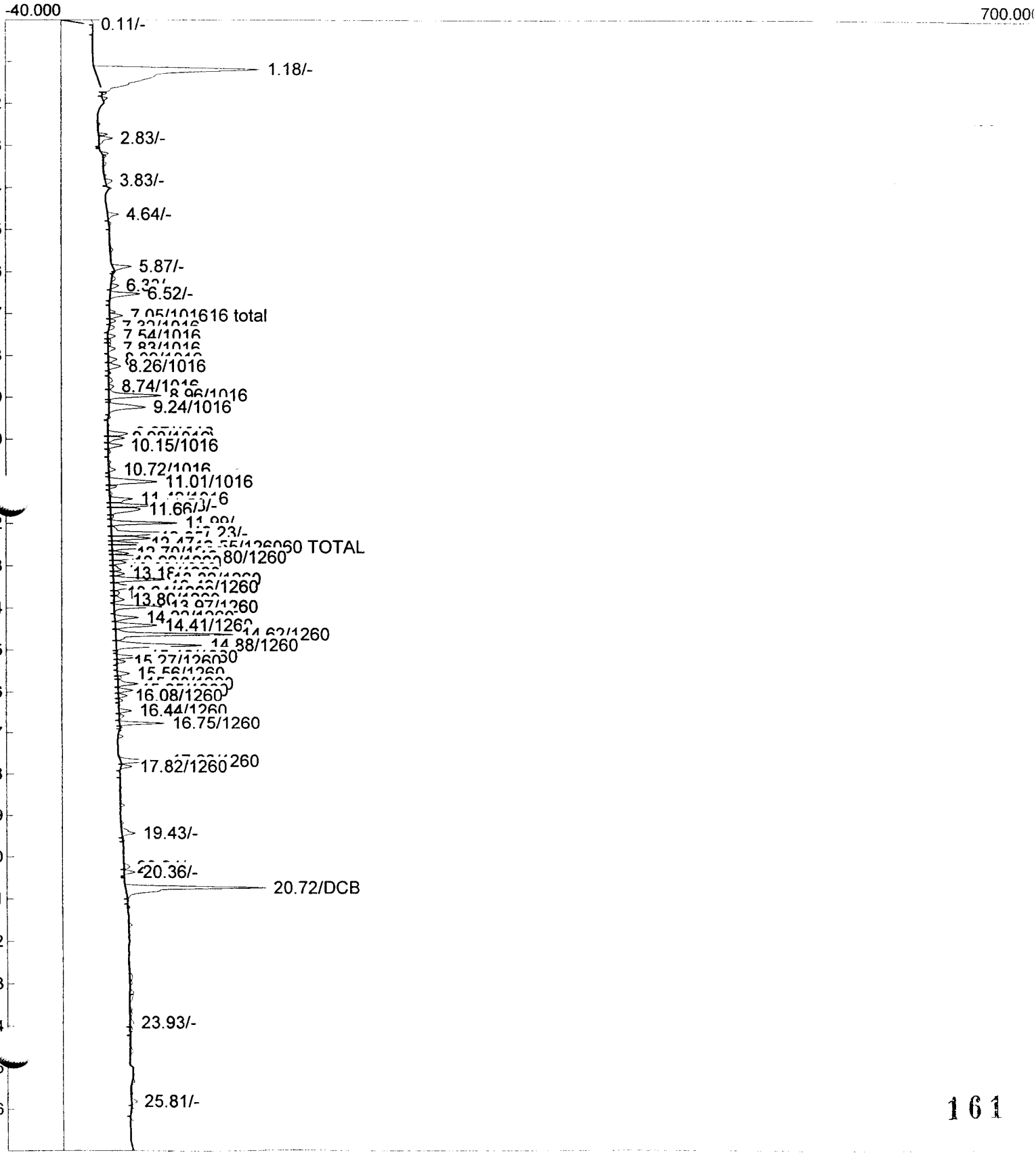
% Moisture: not dec. 19. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	410.	
11096-82-5	Arochlor-1260	160.	U

Lab name: AES
Analysis date: 11/16/2002 14:56:19
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b933.chr ()
Sample: 1107K07 US-2 (0-0.5) 30-10x4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.11	83.64	0	0.0000 -	DB1701	30-10x4	1107K07 US-2 (0-
1.18	1474.20	0	0.0000 -	DB1701		1107K07 US-2 (0-
2.83	55.05	0	0.0000 -	DB1701		1107K07 US-2 (0-
3.83	28.31	0	0.0000 -	DB1701		1107K07 US-2 (0-
4.64	39.20	0	0.0000 -	DB1701		1107K07 US-2 (0-
0.00	0.00	6	0.0000 TCMX	DB1701		1107K0 -2 (0-
5.87	64.22	0	0.0000 -	DB1701		1107K0 -2 (0-
6.33	27.28	0	0.0000 -	DB1701		1107K07 US-2 (0-
6.52	112.04	0	0.0000 -	DB1701		1107K07 US-2 (0-
7.05	1110.88	2	0.1418 1016 total	DB1701		1107K07 US-2 (0-
7.05	46.80	1	0.0000 1016	DB1701		1107K07 US-2 (0-
7.32	22.53	1	0.0000 1016	DB1701		1107K07 US-2 (0-
7.54	26.49	1	0.0000 1016	DB1701		1107K07 US-2 (0-
7.83	28.48	1	0.0000 1016	DB1701		1107K07 US-2 (0-
8.09	36.93	1	0.0000 1016	DB1701		1107K07 US-2 (0-
8.26	52.97	1	0.0000 1016	DB1701		1107K07 US-2 (0-
8.74	20.43	1	0.0000 1016	DB1701		1107K07 US-2 (0-
8.96	201.38	1	0.0000 1016	DB1701		1107K07 US-2 (0-
9.24	175.95	1	0.0000 1016	DB1701		1107K07 US-2 (0-
9.87	78.22	1	0.0000 1016	DB1701		1107K07 US-2 (0-
9.98	59.52	1	0.0000 1016	DB1701		1107K07 US-2 (0-
10.15	48.72	1	0.0000 1016	DB1701		1107K07 US-2 (0-
10.72	25.95	1	0.0000 1016	DB1701		1107K07 US-2 (0-
11.01	197.26	1	0.0000 1016	DB1701		1107K07 US-2 (0-
11.42	89.26	1	0.0000 1016	DB1701		1107K07 US-2 (0-
11.58	136.89	0	0.0000 -	DB1701		1107K07 US-2 (0-
11.66	140.52	0	0.0000 -	DB1701		1107K07 US-2 (0-
11.99	182.54	0	0.0000 -	DB1701		1107K07 US-2 (0-
12.23	254.44	0	0.0000 -	DB1701		1107K07 US-2 (0-
12.35	124.67	0	0.0000 -	DB1701		1107K07 US-2 (0-
12.47	79.74	0	0.0000 -	DB1701		1107K07 US-2 (0-
12.55	224.96	3	0.0000 1260	DB1701		1107K07 US-2 (0-
12.55	2648.22	4	0.1863 1260 TOTAL	DB1701		1107K07 US-2 (0-
12.70	41.93	3	0.0000 1260	DB1701		1107K07 US-2 (0-
12.80	227.50	3	0.0000 1260	DB1701		1107K07 US-2 (0-
12.92	43.95	3	0.0000 1260	DB1701		1107K0 -2 (0-
13.09	33.56	3	0.0000 1260	DB1701		1107K0 -2 (0-
13.18	35.46	3	0.0000 1260	DB1701		1107K07 US-2 (0-
13.32	170.47	3	0.0000 1260	DB1701		1107K07 US-2 (0-
13.49	156.90	3	0.0000 1260	DB1701		1107K07 US-2 (0-
13.64	22.90	3	0.0000 1260	DB1701		1107K07 US-2 (0-
13.80	41.30	3	0.0000 1260	DB1701		1107K07 US-2 (0-
13.97	139.94	3	0.0000 1260	DB1701		1107K07 US-2 (0-
14.22	79.82	3	0.0000 1260	DB1701		1107K07 US-2 (0-
14.41	152.63	3	0.0000 1260	DB1701		1107K07 US-2 (0-
14.62	359.79	3	0.0000 1260	DB1701		1107K07 US-2 (0-
14.88	315.81	3	0.0000 1260	DB1701		1107K07 US-2 (0-
15.16	70.83	3	0.0000 1260	DB1701		1107K07 US-2 (0-
15.27	23.23	3	0.0000 1260	DB1701		1107K07 US-2 (0-
15.56	39.00	3	0.0000 1260	DB1701		1107K07 US-2 (0-
15.80	70.07	3	0.0000 1260	DB1701		1107K07 US-2 (0-
15.95	46.48	3	0.0000 1260	DB1701		1107K07 US-2 (0-
16.08	26.34	3	0.0000 1260	DB1701		1107K07 US-2 (0-
16.44	36.03	3	0.0000 1260	DB1701		1107K07 US-2 (0-
16.75	119.72	3	0.0000 1260	DB1701		1107K07 US-2 (0-
17.68	138.33	3	0.0000 1260	DB1701		1107K07 US-2 (0-
17.82	31.26	3	0.0000 1260	DB1701		1107K07 US-2 (0-
19.43	62.97	0	0.0000 -	DB1701		1107K07 US-2 (0-
20.24	26.56	0	0.0000 -	DB1701		1107K07 US-2 (0-
20.36	33.94	0	0.0000 -	DB1701		1107K07 US-2 (0-
20.72	521.09	5	33.0262 DCB	DB1701		1107K07 US-2 (0-
23.93	22.65	0	0.0000 -	DB1701		1107K07 US-2 (0-
25.81	25.34	0	0.0000 -	DB1701		1107K07 US-2 (0-
	11013.50	62	33.3543			

1248

423.09

170 mg/KG

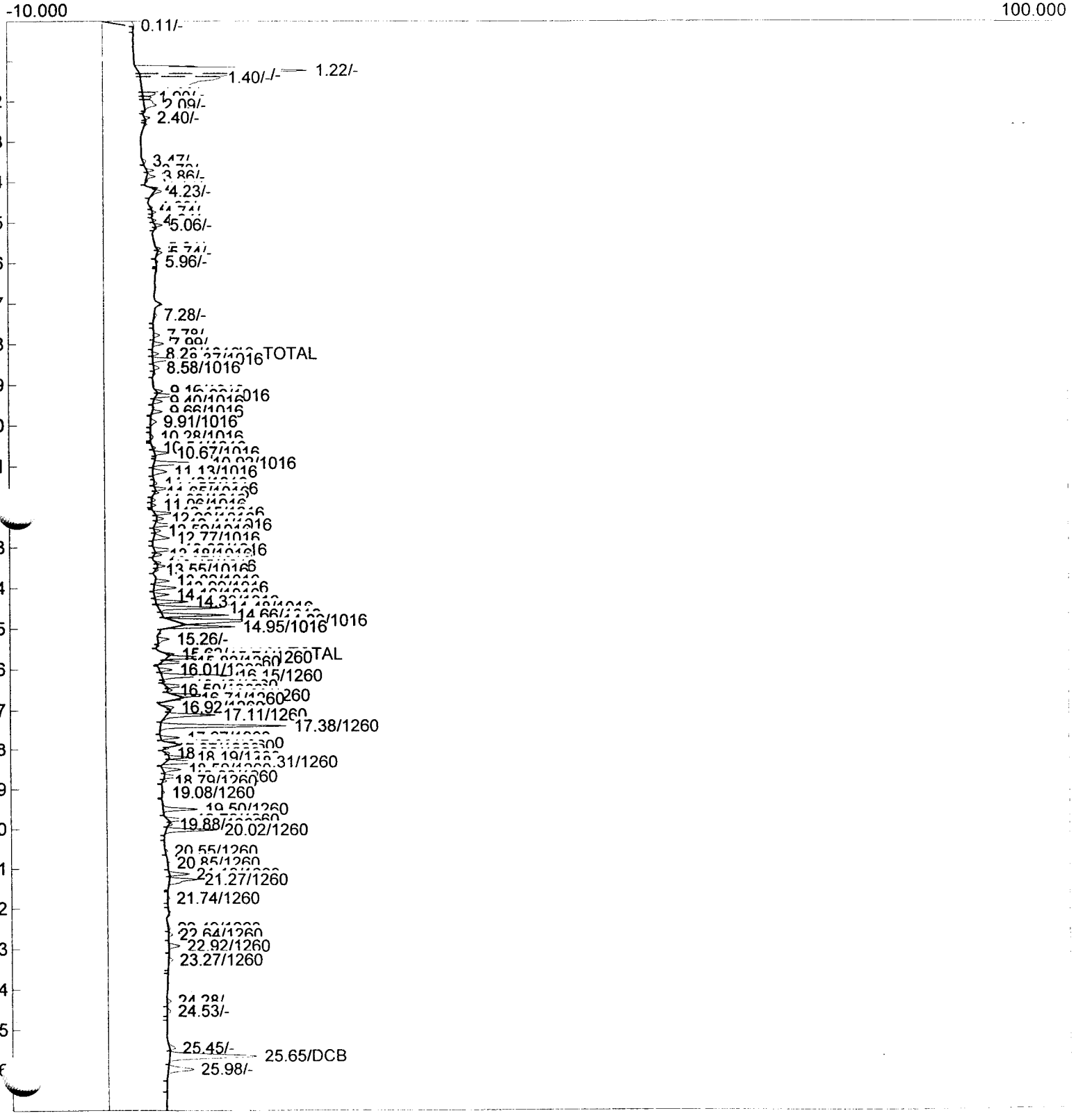
1254

1005.82

410

133

Lab name: AES
Analysis date: 11/16/2002 14:56:19
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C933.chr ()
Sample: 1107K7US-2(0-0.5) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	13.45 -		0.0000 608		1107K7US-2(0-0.5) 30-10 X 4
1.22	137.90 -		0.0000 608		1107K7US-2(0-0.5) 30-10
1.33	42.21 -		0.0000 608		1107K7US-2(0-0.5) 30-10
1.40	118.43 -		0.0000 608		1107K7US-2(0-0.5) 30-10
1.82	7.15 -		0.0000 608		1107K7US-2(0-0.5) 30-10
1.90	3.94 -		0.0000 608		1107K7US-2(0-0.5) 30-10
2.09	12.44 -		0.0000 608		1107K7US-2(0-0.5) 30-10
2.40	1.93 -		0.0000 608		1107K7US-2(0-0.5) 30-10
3.47	1.89 -		0.0000 608		1107K7US-2(0-0.5) 30-10
3.70	2.52 -		0.0000 608		1107K7US-2(0-0.5) 30-10
3.86	5.24 -		0.0000 608		1107K7US-2(0-0.5) 30-10
4.14	1.63 -		0.0000 608		1107K7US-2(0-0.5) 30-10
4.23	4.05 -		0.0000 608		1107K7US-2(0-0.5) 30-10
4.63	1.04 -		0.0000 608		1107K7US-2(0-0.5) 30-10
4.74	1.31 -		0.0000 608		1107K7US-2(0-0.5) 30-10
4.94	1.17 -		0.0000 608		1107K7US-2(0-0.5) 30-10
5.06	2.68 -		0.0000 608		1107K7US-2(0-0.5) 30-10
5.64	1.21 -		0.0000 608		1107K7US-2(0-0.5) 30-10
5.74	2.52 -		0.0000 608		1107K7US-2(0-0.5) 30-10
5.96	1.10 -		0.0000 608		1107K7US-2(0-0.5) 30-10
7.28	2.10 -		0.0000 608		1107K7US-2(0-0.5) 30-10
7.78	3.00 -		0.0000 608		1107K7US-2(0-0.5) 30-10
7.99	4.83 -		0.0000 608		1107K7US-2(0-0.5) 30-10
8.23	300.32	1016 TOTAL	0.2348 608		1107K7US-2(0-0.5) 30-10
8.23	2.55	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
8.37	12.83	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
8.58	2.94	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
9.16	2.59	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
9.26	12.22	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
9.40	4.15	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
9.66	4.34	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
9.91	3.96	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
10.28	2.05	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
10.54	1.38	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
10.67	5.96	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
10.92	21.88	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.13	8.32	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.42	1.42	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.55	4.83	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.65	1.49	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.83	1.55	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
11.96	1.61	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
12.15	7.10	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
12.29	2.50	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
12.44	10.28	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
12.59	2.51	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
12.77	8.25	1016 1248	0.0000 608		1107K7US-2(0-0.5) 30-10
13.06	9.40	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.18	2.78	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.37	1.55	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.45	2.60	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.55	1.11	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.82	5.28	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
13.99	10.78	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.16	5.87	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.33	12.53	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.48	26.06	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.66	24.74	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.80	49.25	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
14.95	21.65	1016	0.0000 608		1107K7US-2(0-0.5) 30-10
15.26	5.79 -		0.0000 608		1107K7US-2(0-0.5) 30-10
15.62	341.65	1260 TOTAL	0.1448 608		1107K7US-2(0-0.5) 30-10
15.62	1.86	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
15.71	18.80	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
15.82	9.78	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.01	5.09	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.15	29.46	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.40	8.27	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.50	1.47	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.63	14.05	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.71	5.52	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
16.92	3.49	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
17.11	22.65	1260 1254	0.0000 608		1107K7US-2(0-0.5) 30-10
17.38	52.73	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
17.67	7.80	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
17.82	5.86	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
17.88	1.95	1260	0.0000 608		1107K7US-2(0-0.5) 30-10
17.97	1.21	1260	0.0000 608		1107K7US-2(0-0.5) 30-10

18.09	1.47 1260	0.0000 608	1107K7US-2(0-0.5) 30-10 X 7
18.19	6.92 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
18.31	31.89 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
18.50	8.23 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
18.68	9.15 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
18.79	1.31 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
19.08	1.23 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
19.50	16.37 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
76	9.37 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
.88	1.42 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
20.02	22.02 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
20.55	1.32 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
20.85	1.52 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
21.13	8.51 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
21.27	16.46 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
21.74	1.43 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
22.49	2.11 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
22.64	2.10 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
22.92	6.00 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
23.27	2.81 1260	0.0000 608	1107K7US-2(0-0.5) 30-10
24.28	2.42 -	0.0000 608	1107K7US-2(0-0.5) 30-10
24.53	2.56 -	0.0000 608	1107K7US-2(0-0.5) 30-10
25.45	4.38 -	0.0000 608	1107K7US-2(0-0.5) 30-10
25.65	61.21 DCB	26.5822 608	1107K7US-2(0-0.5) 30-10
25.98	17.81 -	0.0000 608	1107K7US-2(0-0.5) 30-10
	1751.83	26.9619	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K08

Level: (low/med) LOW Date Received: 11/07/02

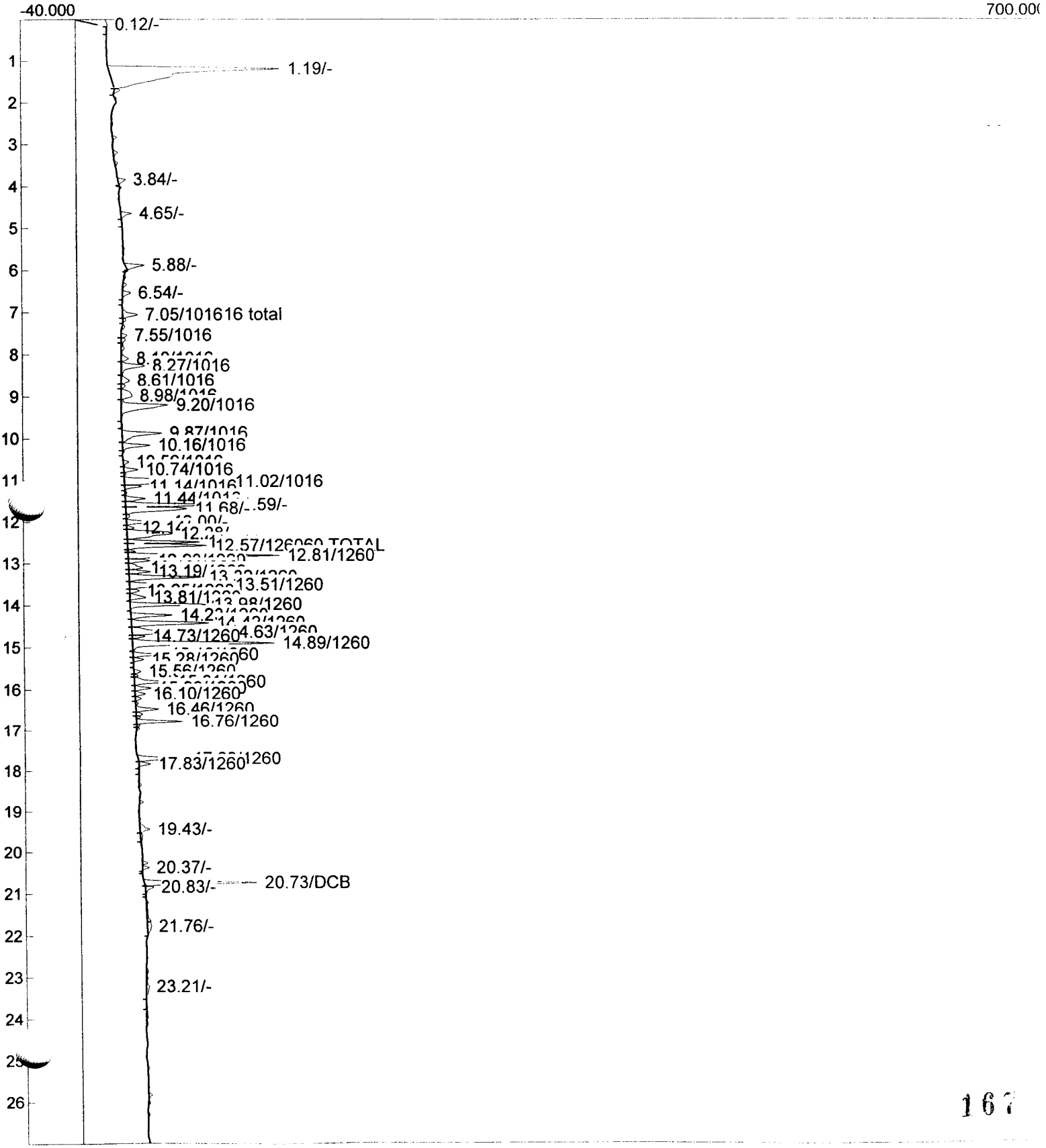
% Moisture: not dec. 15. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	310.	
11097-69-1	Arochlor-1254	640.	
11096-82-5	Arochlor-1260	160.	U

Lab name: AES
Analysis date: 11/16/2002 15:39:18
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b934.chr ()
Sample: 1107K08 US-2 (0.5-1) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.12	120.69	0	0.0000 -		DB1701	1107K08 US-2 (0
1.19	1463.47	0	0.0000 -		DB1701	1107K08 US-2 (0
3.84	29.28	0	0.0000 -		DB1701	1107K08 US-2 (0
4.65	38.02	0	0.0000 -		DB1701	1107K08 US-2 (0
0.00	0.00	6	0.0000 TCMX		DB1701	1107K08 US-2 (0
5.88	67.94	0	0.0000 -		DB1701	1107K0[illegible]-2 (0
6.54	33.78	0	0.0000 -		DB1701	1107K0[illegible]2 (0
7.05	1555.03	2	0.1985	1016 total	DB1701	1107K08 US-2 (0
7.05	66.14	1	0.0000	1016	DB1701	1107K08 US-2 (0
7.55	20.62	1	0.0000	1016	DB1701	1107K08 US-2 (0
8.10	35.22	1	0.0000	1016	DB1701	1107K08 US-2 (0
8.27	114.09	1	0.0000	1016	DB1701	1107K08 US-2 (0
8.61	46.04	1	0.0000	1016	DB1701	1107K08 US-2 (0
8.98	85.22	1	0.0000	1016	DB1701	1107K08 US-2 (0
9.20	278.10	1	0.0000	1016	DB1701	1107K08 US-2 (0
9.87	186.28	1	0.0000	1016	DB1701	1107K08 US-2 (0
10.16	98.28	1	0.0000	1016	DB1701	1107K08 US-2 (0
10.56	20.56	1	0.0000	1016	DB1701	1107K08 US-2 (0
10.74	45.72	1	0.0000	1016	DB1701	1107K08 US-2 (0
11.02	433.90	1	0.0000	1016	DB1701	1107K08 US-2 (0
11.14	51.45	1	0.0000	1016	DB1701	1107K08 US-2 (0
11.44	73.41	1	0.0000	1016	DB1701	1107K08 US-2 (0
11.59	295.65	0	0.0000 -		DB1701	1107K08 US-2 (0
11.68	276.56	0	0.0000 -		DB1701	1107K08 US-2 (0
12.00	111.69	0	0.0000 -		DB1701	1107K08 US-2 (0
12.14	20.74	0	0.0000 -		DB1701	1107K08 US-2 (0
12.28	281.21	0	0.0000 -		DB1701	1107K08 US-2 (0
12.48	194.73	0	0.0000 -		DB1701	1107K08 US-2 (0
12.57	3679.54	4	0.2588	1260 TOTAL	DB1701	1107K08 US-2 (0
12.57	251.93	3	0.0000	1260	DB1701	1107K08 US-2 (0
12.81	435.43	3	0.0000	1260	DB1701	1107K08 US-2 (0
12.93	66.51	3	0.0000	1260	DB1701	1107K08 US-2 (0
13.10	58.22	3	0.0000	1260	DB1701	1107K08 US-2 (0
13.19	63.01	3	0.0000	1260	DB1701	1107K08 US-2 (0
13.32	244.16	3	0.0000	1260	DB1701	1107K08 US-2 (0
13.51	296.30	3	0.0000	1260	DB1701	1107K08 US-2 (0
13.65	29.91	3	0.0000	1260	DB1701	1107K0[illegible]-2 (0
13.81	62.72	3	0.0000	1260	DB1701	1107K0[illegible]2 (0
13.98	214.84	3	0.0000	1260	DB1701	1107K08 US-2 (0
14.23	131.46	3	0.0000	1260	DB1701	1107K08 US-2 (0
14.42	272.47	3	0.0000	1260	DB1701	1107K08 US-2 (0
14.63	289.49	3	0.0000	1260	DB1701	1107K08 US-2 (0
14.73	36.00	3	0.0000	1260	DB1701	1107K08 US-2 (0
14.89	495.39	3	0.0000	1260	DB1701	1107K08 US-2 (0
15.16	85.23	3	0.0000	1260	DB1701	1107K08 US-2 (0
15.28	29.69	3	0.0000	1260	DB1701	1107K08 US-2 (0
15.56	23.52	3	0.0000	1260	DB1701	1107K08 US-2 (0
15.81	122.72	3	0.0000	1260	DB1701	1107K08 US-2 (0
15.96	48.18	3	0.0000	1260	DB1701	1107K08 US-2 (0
16.10	33.35	3	0.0000	1260	DB1701	1107K08 US-2 (0
16.46	72.16	3	0.0000	1260	DB1701	1107K08 US-2 (0
16.76	128.09	3	0.0000	1260	DB1701	1107K08 US-2 (0
17.69	152.58	3	0.0000	1260	DB1701	1107K08 US-2 (0
17.83	36.20	3	0.0000	1260	DB1701	1107K08 US-2 (0
19.43	49.73	0	0.0000 -		DB1701	1107K08 US-2 (0
20.37	20.22	0	0.0000 -		DB1701	1107K08 US-2 (0
20.73	326.74	5	20.7088	DCB	DB1701	1107K08 US-2 (0
20.83	32.71	0	0.0000 -		DB1701	1107K08 US-2 (0
21.76	39.42	0	0.0000 -		DB1701	1107K08 US-2 (0
23.21	30.32	0	0.0000 -		DB1701	1107K08 US-2 (0
	13902.06	59	21.1661			

30-10 x 4

1248

788.93

310 ✓

~~110~~

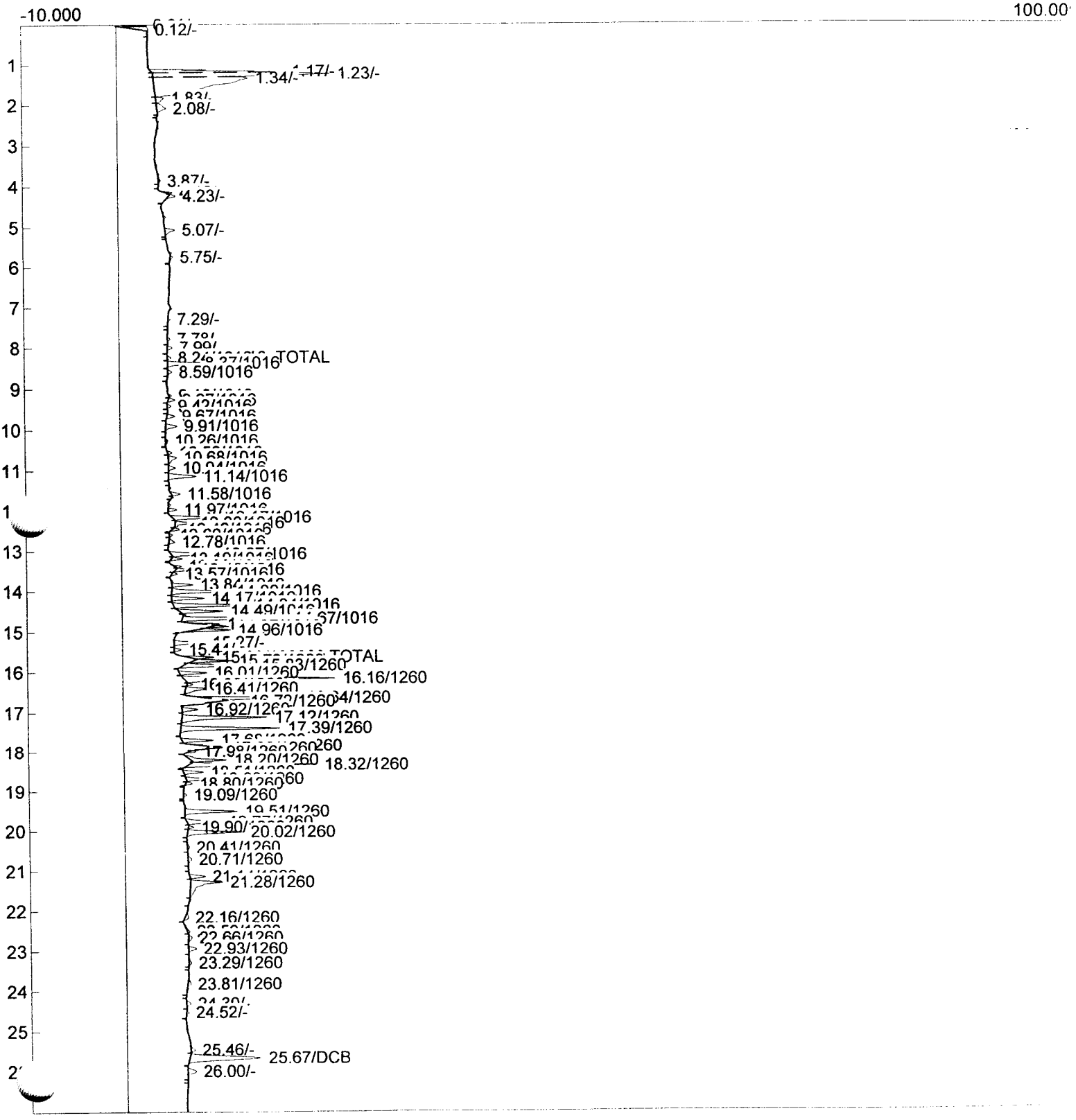
KF

1645.88

640 ✓

83

Lab name: AES
Analysis date: 11/16/2002 15:39:18
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C934.chr ()
Sample: 1107K8 US-2(0.5-1) 30-10 X 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.01	6.62 -		0.0000 608		1107K8 US-2(0.5-1) 30-10 x 4
0.12	9.99 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
1.17	44.63 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
1.23	93.46 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
1.34	165.44 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
1.83	5.28 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
2.08	7.91 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
3.87	1.16 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
4.15	1.66 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
4.23	3.47 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
5.07	5.52 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
5.75	1.50 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
7.29	1.72 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
7.78	1.52 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
7.99	2.43 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
8.24	279.91 1016	TOTAL	0.2188 608		1107K8 US-2(0.5-1) 30-10
8.24	1.41 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
8.37	13.49 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
8.59	1.97 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
9.16	1.16 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
9.27	2.48 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
9.42	1.72 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
9.67	3.56 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
9.91	5.80 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
10.26	1.68 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
10.56	1.76 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
10.68	5.47 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
10.94	3.47 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
11.14	14.57 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
11.58	3.83 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
11.97	3.15 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
12.17	17.79 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
12.30	7.44 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
12.46	2.73 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
12.60	1.29 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
12.78	3.22 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
13.07	17.80 1016	1248	0.0000 608		1107K8 US-2(0.5-1) 30-10
13.19	3.83 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
13.38	2.04 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
13.46	5.76 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
13.57	1.97 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
13.84	8.10 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.00	24.15 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.17	12.64 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.34	29.07 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.49	16.49 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.67	38.88 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.81	3.90 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.87	4.62 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
14.96	12.65 1016		0.0000 608		1107K8 US-2(0.5-1) 30-10
15.27	12.83 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
15.44	2.60 -		0.0000 608		1107K8 US-2(0.5-1) 30-10
15.63	7.41 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
15.63	495.99 1260	TOTAL	0.2103 608		1107K8 US-2(0.5-1) 30-10
15.72	12.61 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
15.83	25.77 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.01	10.51 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.16	63.18 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.30	1.59 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.41	11.82 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.64	28.09 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.72	9.52 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
16.92	6.76 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
17.12	39.53 1260	1254	0.0000 608		1107K8 US-2(0.5-1) 30-10
17.39	41.23 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
17.68	12.82 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
17.83	13.17 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
17.89	2.92 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
17.98	2.14 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
18.20	15.25 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
18.32	49.85 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
18.51	8.22 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
18.68	10.48 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
18.80	2.34 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
19.09	1.51 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
19.51	23.55 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
19.77	15.89 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10
19.90	1.82 1260		0.0000 608		1107K8 US-2(0.5-1) 30-10

20.02	24.17	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
20.41	1.87	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
20.71	3.10	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
21.14	6.77	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
21.28	24.10	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
22.16	2.91	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
22.50	2.31	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
[illegible]66	2.54	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
[illegible]3	4.17	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
[illegible]29	2.16	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
23.81	3.92	1260	0.0000	608	1107K8 US-2(0.5-1) 30-10
24.30	2.79	-	0.0000	608	1107K8 US-2(0.5-1) 30-10
24.52	1.58	-	0.0000	608	1107K8 US-2(0.5-1) 30-10
25.46	2.50	-	0.0000	608	1107K8 US-2(0.5-1) 30-10
25.67	49.11	DCB	21.3264	608	1107K8 US-2(0.5-1) 30-10
26.00	6.29	-	0.0000	608	1107K8 US-2(0.5-1) 30-10
	1981.83		21.7556		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K9

Level: (low/med) LOW Date Received: 11/07/02

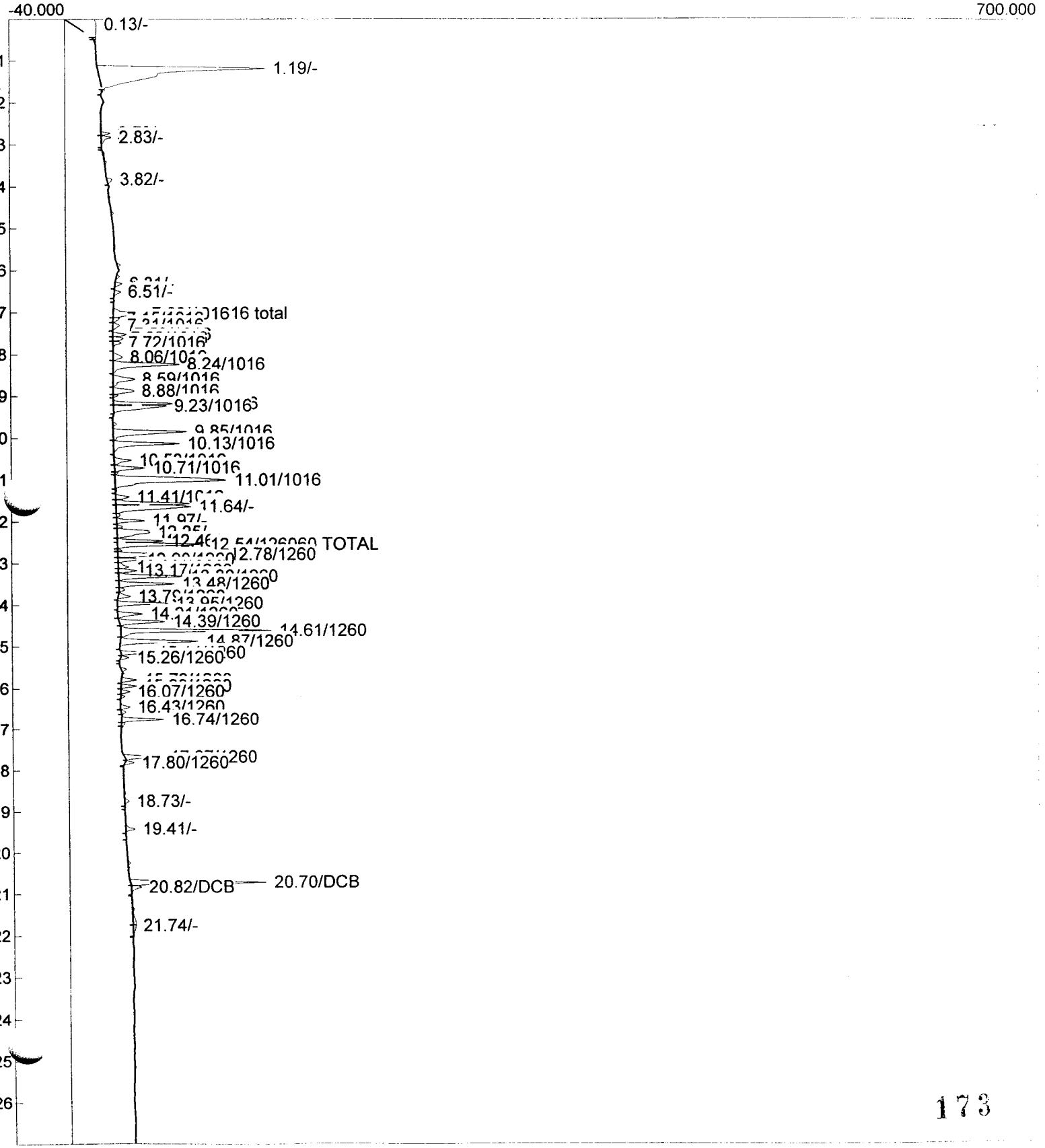
% Moisture: not dec. 13. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	150.	U
11104-28-2	Arochlor-1221	150.	U
11141-16-5	Arochlor-1232	150.	U
53469-21-9	Arochlor-1242	150.	U
12672-29-6	Arochlor-1248	560.	
11097-69-1	Arochlor-1254	380.	
11096-82-5	Arochlor-1260	150.	U

Lab name: AES
Analysis date: 11/16/2002 16:22:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b935.chr ()
ample: 1107K09 US-2 (1-2) 30-1084
perator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.13	332.32	0	0.0000 -		DB1701	1107K09 US-2 (1-
1.19	1373.63	0	0.0000 -		DB1701	1107K09 US-2 (1-
2.73	22.97	0	0.0000 -		DB1701	1107K09 US-2 (1-
2.83	39.33	0	0.0000 -		DB1701	1107K09 US-2 (1-
3.82	21.51	0	0.0000 -		DB1701	1107K09 US-2 (1-
0.00	0.00	6	0.0000 TCMX		DB1701	1107K09 US-2 (1-
6.31	23.59	0	0.0000 -		DB1701	1107K09 US-2 (1-
6.51	23.49	0	0.0000 -		DB1701	1107K09 US-2 (1-
7.03	135.67	1	0.0000 1016		DB1701	1107K09 US-2 (1-
7.03	2630.18	2	0.3358 1016 total		DB1701	1107K09 US-2 (1-
7.15	23.40	1	0.0000 1016		DB1701	1107K09 US-2 (1-
7.31	32.50	1	0.0000 1016		DB1701	1107K09 US-2 (1-
7.52	44.54	1	0.0000 1016		DB1701	1107K09 US-2 (1-
7.62	38.08	1	0.0000 1016		DB1701	1107K09 US-2 (1-
7.72	32.64	1	0.0000 1016		DB1701	1107K09 US-2 (1-
8.06	46.30	1	0.0000 1016		DB1701	1107K09 US-2 (1-
8.24	283.97	1	0.0000 1016		DB1701	1107K09 US-2 (1-
8.59	114.53	1	0.0000 1016		DB1701	1107K09 US-2 (1-
8.88	93.95	1	0.0000 1016		DB1701	1107K09 US-2 (1-
9.18	164.83	1	0.0000 1016		DB1701	1107K09 US-2 (1-
9.23	231.67	1	0.0000 1016		DB1701	1107K09 US-2 (1-
9.85	309.49	1	0.0000 1016		DB1701	1107K09 US-2 (1-
10.13	239.74	1	0.0000 1016		DB1701	1107K09 US-2 (1-
10.53	65.00	1	0.0000 1016		DB1701	1107K09 US-2 (1-
10.71	99.92	1	0.0000 1016		DB1701	1107K09 US-2 (1-
11.01	625.95	1	0.0000 1016		DB1701	1107K09 US-2 (1-
11.41	47.99	1	0.0000 1016		DB1701	1107K09 US-2 (1-
11.56	215.10	0	0.0000 -		DB1701	1107K09 US-2 (1-
11.64	346.79	0	0.0000 -		DB1701	1107K09 US-2 (1-
11.97	78.52	0	0.0000 -		DB1701	1107K09 US-2 (1-
12.25	201.90	0	0.0000 -		DB1701	1107K09 US-2 (1-
12.46	116.07	0	0.0000 -		DB1701	1107K09 US-2 (1-
12.54	260.30	3	0.0000 1260		DB1701	1107K09 US-2 (1-
12.54	2750.24	4	0.1935 1260 TOTAL		DB1701	1107K09 US-2 (1-
12.78	294.25	3	0.0000 1260		DB1701	1107K09 US-2 (1-
12.90	71.29	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.08	39.61	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.17	53.00	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.30	215.56	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.48	171.59	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.79	42.83	3	0.0000 1260		DB1701	1107K09 US-2 (1-
13.95	142.80	3	0.0000 1260		DB1701	1107K09 US-2 (1-
14.21	85.32	3	0.0000 1260		DB1701	1107K09 US-2 (1-
14.39	158.02	3	0.0000 1260		DB1701	1107K09 US-2 (1-
14.61	444.45	3	0.0000 1260		DB1701	1107K09 US-2 (1-
14.87	273.50	3	0.0000 1260		DB1701	1107K09 US-2 (1-
15.14	78.88	3	0.0000 1260		DB1701	1107K09 US-2 (1-
15.26	20.27	3	0.0000 1260		DB1701	1107K09 US-2 (1-
15.79	46.20	3	0.0000 1260		DB1701	1107K09 US-2 (1-
15.93	40.52	3	0.0000 1260		DB1701	1107K09 US-2 (1-
16.07	25.76	3	0.0000 1260		DB1701	1107K09 US-2 (1-
16.43	30.12	3	0.0000 1260		DB1701	1107K09 US-2 (1-
16.74	118.99	3	0.0000 1260		DB1701	1107K09 US-2 (1-
17.67	112.87	3	0.0000 1260		DB1701	1107K09 US-2 (1-
17.80	24.13	3	0.0000 1260		DB1701	1107K09 US-2 (1-
18.73	20.05	0	0.0000 -		DB1701	1107K09 US-2 (1-
19.41	33.79	0	0.0000 -		DB1701	1107K09 US-2 (1-
20.70	388.72	5	24.6367 DCB		DB1701	1107K09 US-2 (1-
20.82	38.49	5	2.4396 DCB		DB1701	1107K09 US-2 (1-
21.71	27.87	0	0.0000 -		DB1701	1107K09 US-2 (1-
21.74	21.00	0	0.0000 -		DB1701	1107K09 US-2 (1-
	14085.95	60	27.6055			

30-10x4

1248

1479.9

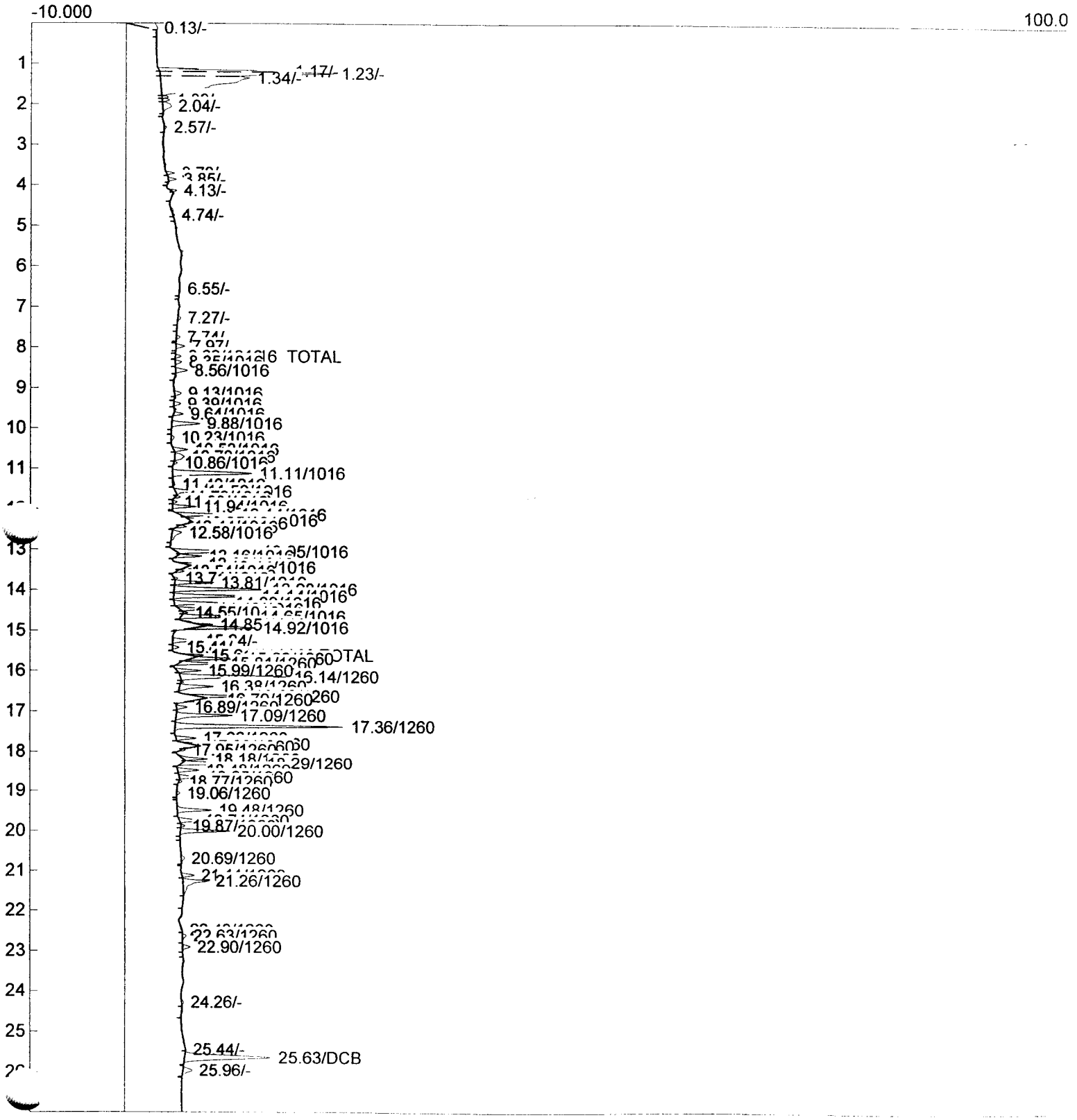
560

1007.67

380

990

Lab name: AES
Analysis date: 11/16/2002 16:22:15
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C935.chr ()
Sample: 1107K9 US-2(1-2) 30-10*4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	17.60 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
1.17	41.52 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
1.23	89.09 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
1.34	152.59 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
1.82	2.43 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
1.89	2.92 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
2.04	8.64 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
2.57	1.15 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
3.70	2.68 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
3.85	2.95 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
4.13	1.81 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
4.74	1.90 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
6.55	1.21 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
7.27	2.19 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
7.74	1.75 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
7.97	4.02 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
8.22	2.46 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
8.22	394.88 1016	TOTAL	0.3087 608		1107K9 US-2(1-2) 30-10*4
8.35	2.99 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
8.56	5.86 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
9.13	3.42 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
9.39	3.35 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
9.64	3.89 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
9.88	13.78 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
10.23	2.04 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
10.53	5.84 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
10.70	7.87 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
10.86	1.32 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.11	42.42 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.40	1.48 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.56	10.75 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.70	1.55 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.83	1.41 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
11.94	8.72 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
12.14	19.39 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
12.28	12.53 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
12.35	1.88 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
12.44	2.78 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
12.58	7.36 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.05	31.66 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.16	8.55 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.36	4.75 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.44	12.02 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.54	2.36 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.71	1.04 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.81	14.53 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
13.98	39.72 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.14	31.37 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.32	21.27 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.46	11.76 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.55	1.02 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.65	26.90 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.85	2.66 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
14.92	22.20 1016		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.24	10.96 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.41	2.47 -		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.61	397.54 1260	TOTAL	0.1685 608		1107K9 US-2(1-2) 30-10*4
15.61	3.64 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.69	17.57 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.81	15.95 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
15.99	8.92 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
16.14	45.67 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
16.38	16.60 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
16.62	15.82 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
16.70	9.20 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
16.89	4.49 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.09	26.34 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.36	68.87 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.66	8.16 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.80	7.98 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.86	1.67 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
17.95	1.34 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
18.18	9.95 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
18.29	30.76 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
18.48	8.76 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
18.65	9.15 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
18.77	1.04 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4
19.06	1.50 1260		0.0000 608		1107K9 US-2(1-2) 30-10*4

19.48	16.43	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
19.74	9.49	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
19.87	1.43	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
20.00	21.52	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
20.69	3.01	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
21.11	5.35	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
21.26	18.99	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
[illegible]48	1.54	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
[illegible]53	2.47	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
[illegible]90	3.92	1260	0.0000 608	1107K9 US-2(1-2) 30-10*4
24.26	1.55	-	0.0000 608	1107K9 US-2(1-2) 30-10*4
25.44	1.72	-	0.0000 608	1107K9 US-2(1-2) 30-10*4
25.63	60.61	DCB	26.3228 608	1107K9 US-2(1-2) 30-10*4
25.96	6.53	-	0.0000 608	1107K9 US-2(1-2) 30-10*4
	2003.13		26.8001	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K10

Level: (low/med) LOW Date Received: 11/07/02

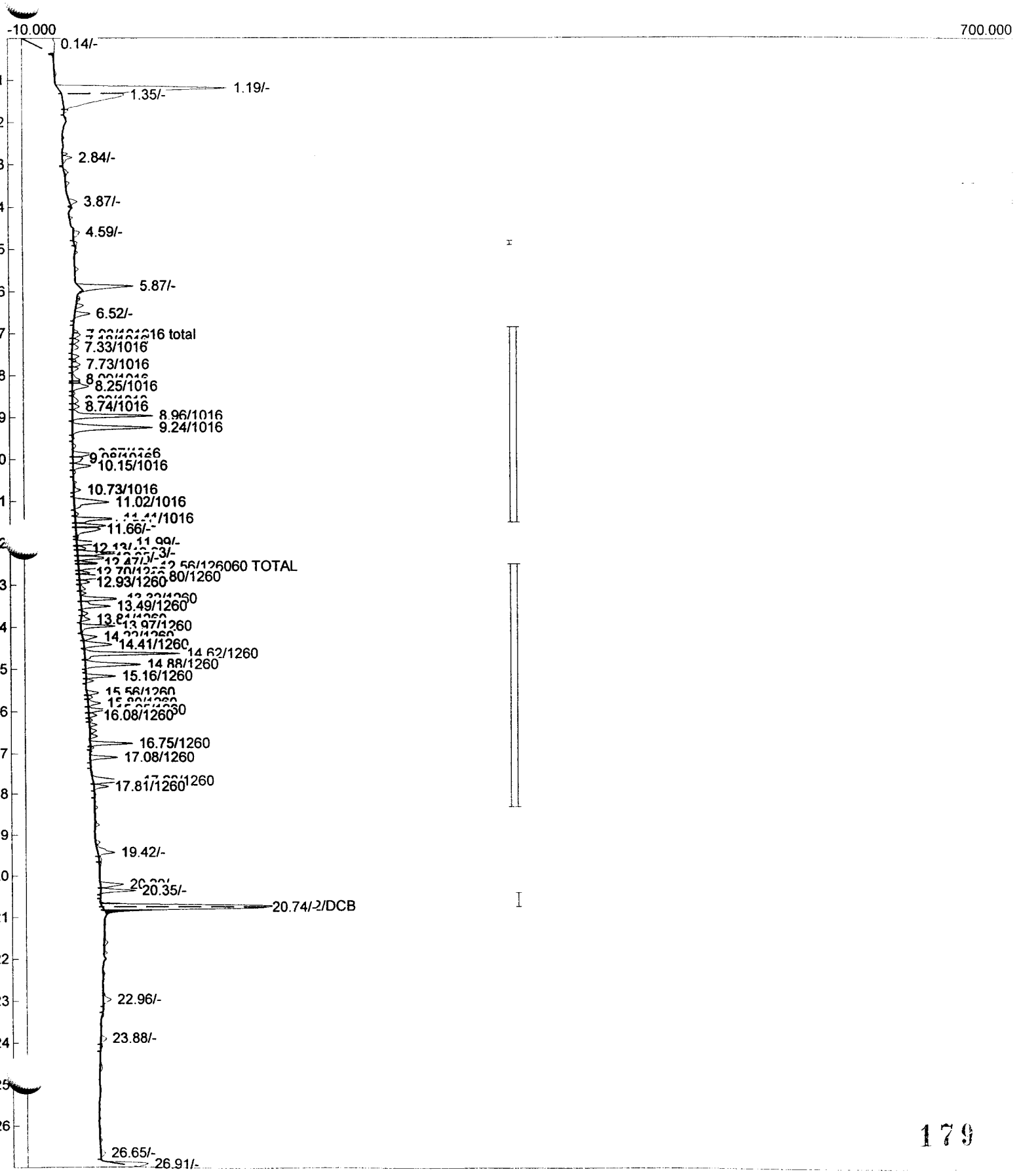
% Moisture: not dec. 25. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	260.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	180.	U

Analysis date: 11/16/2002 17:05:14
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Data file: b936.chr ()
Sample: 1107K10 US-3 (0-0.5)30-10 x 4
Operator: KEN FULLER



Number	Retention	Area	Component	External	Sample
0	0.14	271.08 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	1.19	856.32 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	1.35	548.16 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	2.84	39.13 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	3.87	30.56 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	4.59	30.53 -		0.0000	1107K10 US-3 (0-0.5)30-10
6	0.00	0.00 TCMX		0.0000	1107K10 US-3 (0-0.5)30-10
0	5.87	199.69 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	6.52	55.40 -		0.0000	1107K10 US-3 (0-0.5)30-10
2	7.03	1372.18 1016 total		0.1752	1107K10 US-3 (0-0.5)30-10
1	7.03	30.11 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	7.18	25.41 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	7.33	27.72 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	7.73	32.03 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	8.09	31.05 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	8.25	74.92 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	8.60	31.58 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	8.74	26.45 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	8.96	270.53 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	9.24	319.43 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	9.87	70.86 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	9.98	47.79 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	10.15	63.34 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	10.73	25.57 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	11.02	163.82 1016		0.0000	1107K10 US-3 (0-0.5)30-10
1	11.41	131.57 1016		0.0000	1107K10 US-3 (0-0.5)30-10
0	11.58	94.62 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	11.66	115.44 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	11.99	141.50 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	12.13	27.30 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	12.23	154.20 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	12.35	93.15 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	12.47	42.18 -		0.0000	1107K10 US-3 (0-0.5)30-10
4	12.56	2119.89 1260 TOTAL		0.1491	1107K10 US-3 (0-0.5)30-10
3	12.56	223.18 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	12.70	26.73 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	12.80	182.25 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	12.93	28.48 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	13.32	120.88 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	13.49	102.97 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	13.81	29.01 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	13.97	103.87 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	14.22	50.51 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	14.41	108.94 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	14.62	280.09 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	14.88	202.18 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	15.16	78.12 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	15.56	36.85 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	15.80	43.53 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	15.95	60.23 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	16.08	26.44 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	16.75	113.00 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	17.08	81.23 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	17.68	174.38 1260		0.0000	1107K10 US-3 (0-0.5)30-10
3	17.81	47.03 1260		0.0000	1107K10 US-3 (0-0.5)30-10
0	19.42	82.82 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	20.20	85.72 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	20.35	99.27 -		0.0000	1107K10 US-3 (0-0.5)30-10
5	20.72	417.61 DCB		26.4677	1107K10 US-3 (0-0.5)30-10
0	20.74	411.73 -		0.0000	1107K10 US-3 (0-0.5)30-10
0	22.96	41.38 -		0.0000	1107K10 US-3 (0-0.5)30-10

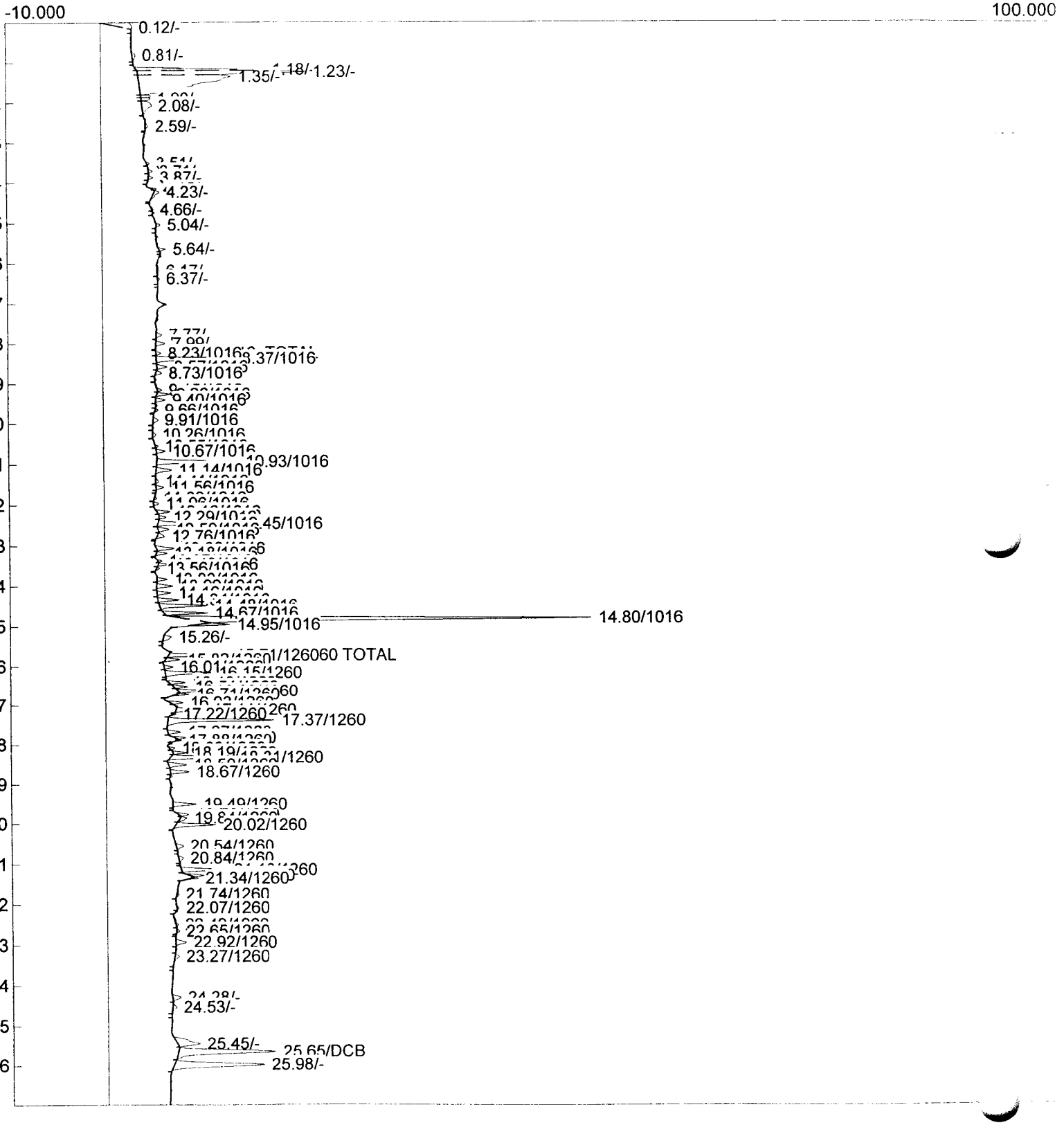
1248
540.24
260

1254
682.37
300

1069

0	23.88	31.20	-	0.0000	1107K10 US-3 (0-0.5)30-10 x4
0	26.65	27.24	-	0.0000	1107K10 US-3 (0-0.5)30-10
0	26.91	86.13	-	0.0000	1107K10 US-3 (0-0.5)30-10
63		10966.49		26.7919	

Lab name: AES
Analysis date: 11/16/2002 17:05:14
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C936.chr ()
Sample: 1107K10US-3 (0-0.5)30-10 x 4
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	15.53 -		0.0000 608		1107K10US-3 (0-0.5)30-10 x4
0.81	3.47 -		0.0000 608		1107K10US-3 (0-0.5)30-10
1.18	42.87 -		0.0000 608		1107K10US-3 (0-0.5)30-10
1.23	89.91 -		0.0000 608		1107K10US-3 (0-0.5)30-10
1.35	171.57 -		0.0000 608		1107K10US-3 (0-0.5)30-10
83	4.04 -		0.0000 608		1107K10US-3 (0-0.5)30-10
.90	4.24 -		0.0000 608		1107K10US-3 (0-0.5)30-10
2.08	12.28 -		0.0000 608		1107K10US-3 (0-0.5)30-10
2.59	1.92 -		0.0000 608		1107K10US-3 (0-0.5)30-10
3.51	1.23 -		0.0000 608		1107K10US-3 (0-0.5)30-10
3.71	1.84 -		0.0000 608		1107K10US-3 (0-0.5)30-10
3.87	1.89 -		0.0000 608		1107K10US-3 (0-0.5)30-10
4.15	1.34 -		0.0000 608		1107K10US-3 (0-0.5)30-10
4.23	4.10 -		0.0000 608		1107K10US-3 (0-0.5)30-10
4.66	1.15 -		0.0000 608		1107K10US-3 (0-0.5)30-10
5.04	1.84 -		0.0000 608		1107K10US-3 (0-0.5)30-10
5.64	2.53 -		0.0000 608		1107K10US-3 (0-0.5)30-10
6.17	2.84 -		0.0000 608		1107K10US-3 (0-0.5)30-10
6.37	1.38 -		0.0000 608		1107K10US-3 (0-0.5)30-10
7.77	3.27 -		0.0000 608		1107K10US-3 (0-0.5)30-10
7.99	4.89 -		0.0000 608		1107K10US-3 (0-0.5)30-10
8.23	446.67 1016	TOTAL	0.3492 608		1107K10US-3 (0-0.5)30-10
8.23	2.19 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
8.37	35.66 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
8.57	5.09 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
8.73	3.00 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
9.15	1.95 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
9.26	4.80 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
9.40	4.41 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
9.66	1.29 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
9.91	3.26 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
10.26	1.95 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
10.55	1.18 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
10.67	4.10 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
10.93	35.78 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
11.14	8.39 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
11.41	2.22 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
11.56	3.58 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
82	1.13 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
.96	2.27 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
12.16	5.30 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
12.29	2.60 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
12.45	29.29 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
12.59	5.12 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
12.76	4.21 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.06	8.67 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.18	3.97 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.37	1.35 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.46	3.11 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.56	1.26 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.83	4.10 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
13.99	7.28 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.16	5.92 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.34	8.56 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.48	20.10 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.67	15.84 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.80	186.76 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
14.95	10.96 1016		0.0000 608		1107K10US-3 (0-0.5)30-10
15.26	4.92 -		0.0000 608		1107K10US-3 (0-0.5)30-10
15.71	280.18 1260	TOTAL	0.1188 608		1107K10US-3 (0-0.5)30-10
15.71	21.40 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
15.82	5.21 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.01	3.52 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.15	19.99 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.40	6.28 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.51	4.54 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.62	10.52 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.71	4.45 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
16.93	4.94 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
17.11	11.68 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
22	1.05 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
37	46.48 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
.67	5.37 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
17.82	3.12 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
17.88	1.24 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
18.08	1.86 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
18.19	4.68 1260		0.0000 608		1107K10US-3 (0-0.5)30-10
18.31	24.53 1260		0.0000 608		1107K10US-3 (0-0.5)30-10

18.50	8.64	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
18.67	8.00	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
19.49	9.98	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
19.76	4.07	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
19.84	3.51	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
20.02	16.86	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
20.54	4.36	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
[illegible]	2.91	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
[illegible]	18.87	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
[illegible]	4.37	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
21.34	2.54	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
21.74	1.56	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
22.07	1.02	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
22.49	2.36	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
22.65	1.44	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
22.92	5.76	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
23.27	3.06	1260	0.0000 608	1107K10US-3 (0-0.5)30-10
24.28	5.17	-	0.0000 608	1107K10US-3 (0-0.5)30-10
24.53	2.56	-	0.0000 608	1107K10US-3 (0-0.5)30-10
25.45	20.33	-	0.0000 608	1107K10US-3 (0-0.5)30-10
25.65	68.44	DCB	29.7210 608	1107K10US-3 (0-0.5)30-10
25.98	62.45	-	0.0000 608	1107K10US-3 (0-0.5)30-10
	1991.69		30.1890	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K11

Level: (low/med) LOW Date Received: 11/07/02

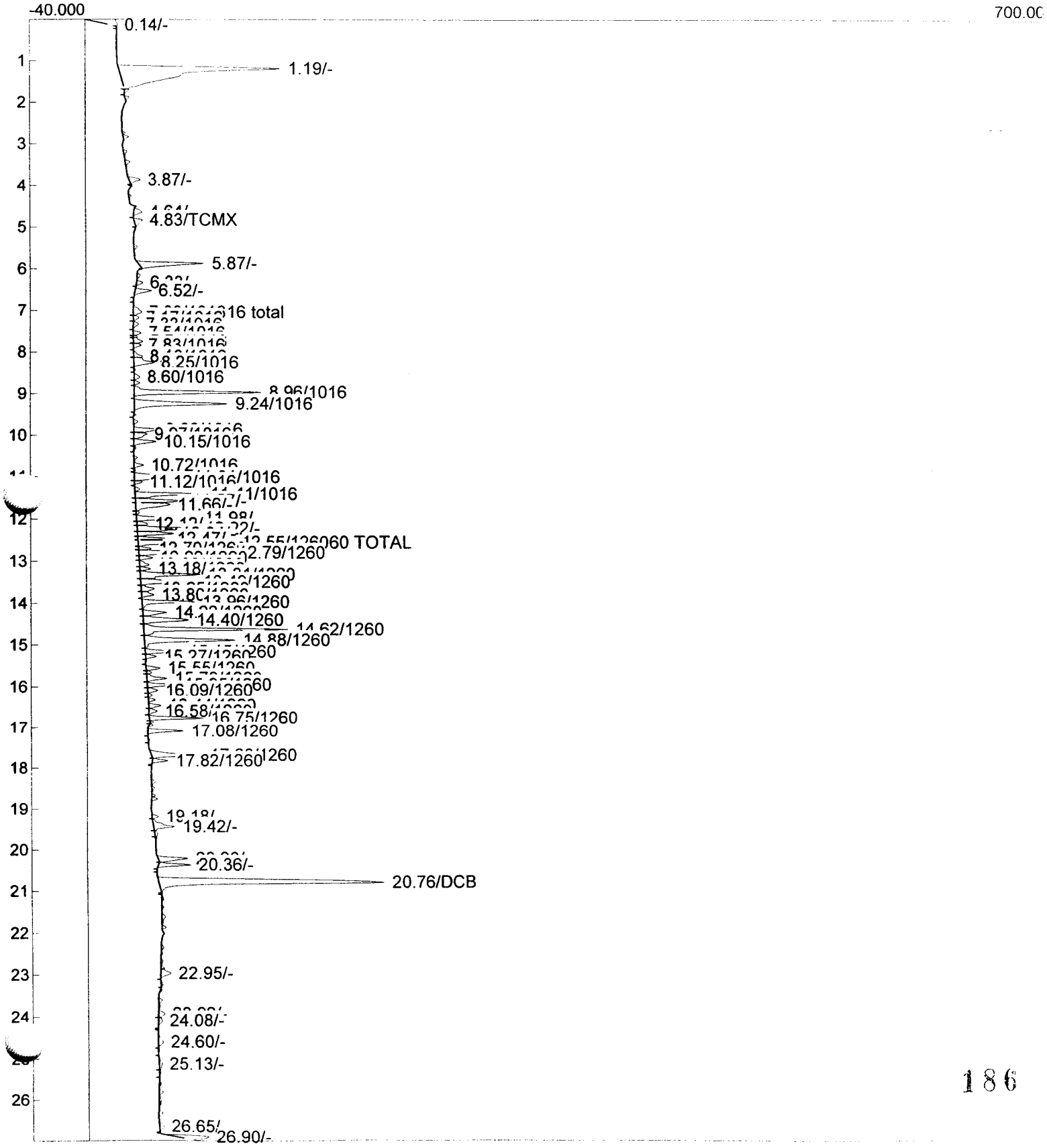
% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	560.	
11096-82-5	Arochlor-1260	190.	U

Lab name: AES
Analysis date: 11/16/2002 17:48:11
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b937.chr ()
Sample: 1107K11 US-3 (0.5-1) 30-10 x 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.14	112.02	0	0.0000 -		DB1701	1107K11 US-3 (0.5
1.19	1421.55	0	0.0000 -		DB1701	1107K11 US-3 (0.5
3.87	48.93	0	0.0000 -		DB1701	1107K11 US-3 (0.5
4.64	42.38	0	0.0000 -		DB1701	1107K11 US-3 (0.5
4.83	43.26	6	0.0021 TCMX		DB1701	1107K11 US-3 (0.5
5.87	241.21	0	0.0000 -		DB1701	1107K11 US-3 (0.5
6.33	22.26	0	0.0000 -		DB1701	1107K11 US-3 (0.5
6.52	63.12	0	0.0000 -		DB1701	1107K11 US-3 (0.5
7.03	56.15	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
7.03	1919.39	2	0.2450 1016 total		DB1701	1107K11 US-3 (0.5
7.17	23.48	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
7.33	25.70	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
7.54	28.93	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
7.74	40.20	1	0.0000 1016	1248	DB1701	1107K11 US-3 (0.5
7.83	27.92	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
8.10	33.58	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
8.25	112.58	1	0.0000 1016	760.59	DB1701	1107K11 US-3 (0.5
8.60	26.79	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
8.96	418.37	1	0.0000 1016	360 ug/KY	DB1701	1107K11 US-3 (0.5
9.24	387.36	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
9.86	94.60	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
9.97	61.91	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
10.15	83.11	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
10.72	32.65	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
11.01	223.28	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
11.12	23.12	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
11.41	219.68	1	0.0000 1016		DB1701	1107K11 US-3 (0.5
11.57	158.81	0	0.0000 -		DB1701	1107K11 US-3 (0.5
11.66	169.81	0	0.0000 -		DB1701	1107K11 US-3 (0.5
11.98	169.83	0	0.0000 -		DB1701	1107K11 US-3 (0.5
12.12	38.01	0	0.0000 -		DB1701	1107K11 US-3 (0.5
12.22	216.13	0	0.0000 -		DB1701	1107K11 US-3 (0.5
12.34	112.35	0	0.0000 -		DB1701	1107K11 US-3 (0.5
12.47	76.43	0	0.0000 -		DB1701	1107K11 US-3 (0.5
12.55	3388.17	4	0.2383 1260 TOTAL		DB1701	1107K11 US-3 (0.5
12.55	286.88	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
12.70	32.30	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
12.79	266.38	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
12.92	41.31	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.08	37.65	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.18	31.24	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.31	224.97	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.49	181.00	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.65	58.38	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
13.80	49.35	3	0.0000 1260	1254	DB1701	1107K11 US-3 (0.5
13.96	159.22	3	0.0000 1260	1181.14	DB1701	1107K11 US-3 (0.5
14.22	92.29	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
14.40	198.28	3	0.0000 1260	560	DB1701	1107K11 US-3 (0.5
14.62	436.86	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
14.81	345.83	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
15.11	102.90	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
15.27	34.34	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
15.50	46.69	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
15.71	71.84	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
15.93	83.23	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
16.09	36.15	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
16.44	41.05	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
16.58	32.25	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
16.73	152.56	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
17.03	108.24	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
17.63	189.10	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
17.83	47.89	3	0.0000 1260		DB1701	1107K11 US-3 (0.5
19.11	21.53	0	0.0000 -		DB1701	1107K11 US-3 (0.5
19.44	103.79	0	0.0000 -		DB1701	1107K11 US-3 (0.5
20.22	109.88	0	0.0000 -		DB1701	1107K11 US-3 (0.5
20.36	90.53	0	0.0000 -		DB1701	1107K11 US-3 (0.5
20.76	1120.60	5	71.0228 DCB		DB1701	1107K11 US-3 (0.5
22.96	56.24	0	0.0000 -		DB1701	1107K11 US-3 (0.5
23.96	35.53	0	0.0000 -		DB1701	1107K11 US-3 (0.5
24.09	24.32	0	0.0000 -		DB1701	1107K11 US-3 (0.5
24.69	37.27	0	0.0000 -		DB1701	1107K11 US-3 (0.5
25.19	22.93	0	0.0000 -		DB1701	1107K11 US-3 (0.5

30-1044

284 IPeak Interference Pk Coeluting

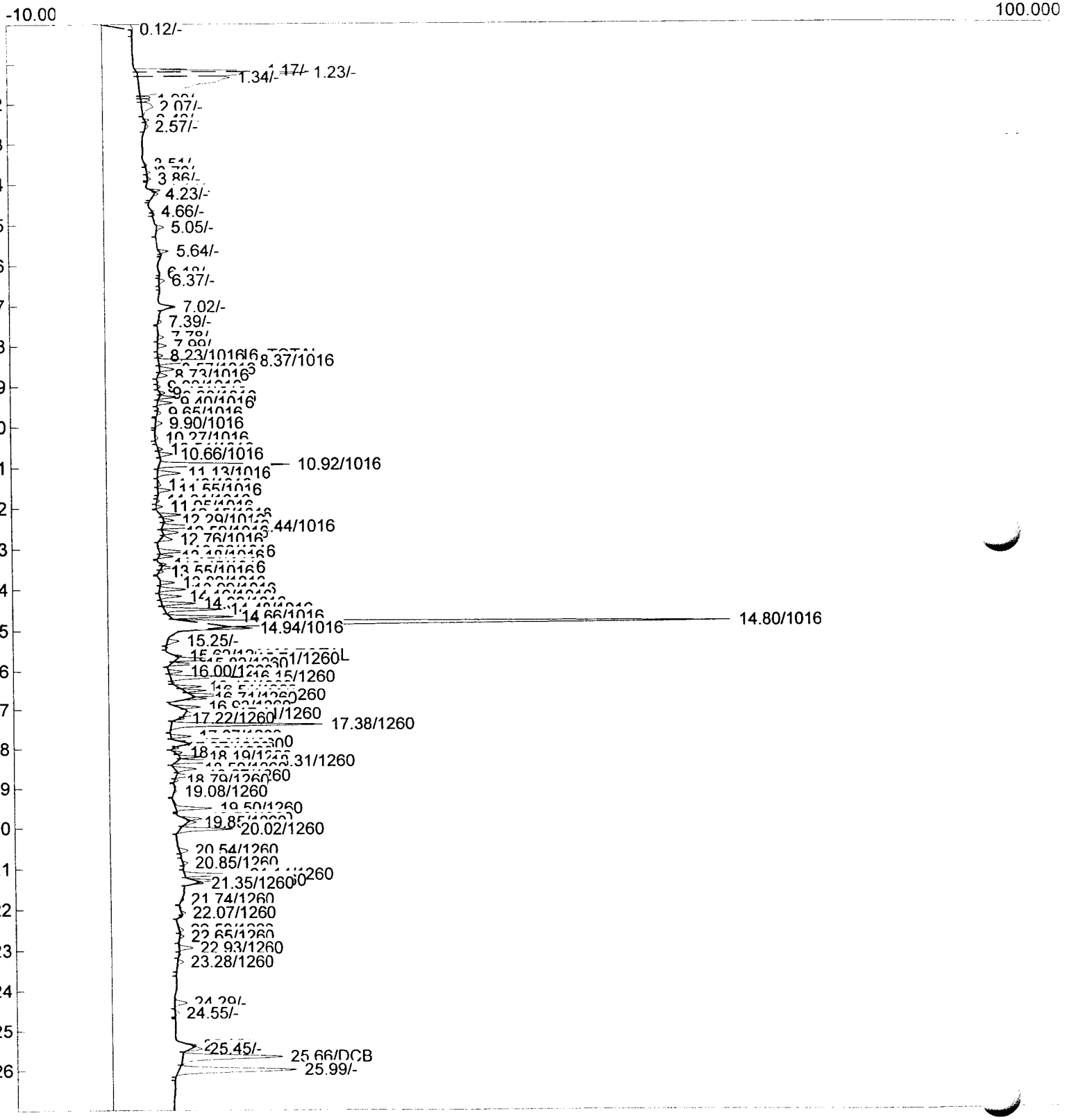
Cont Good

143 ID Double Surr See Cont

187

26.65	28.68	0	0.0000 -	DB1701	1107K11 US-3 ((
26.90	92.90	0	0.0000 -	DB1701	1107K11 US-3 ((
	15295.44	74	71.5083		

Lab na ıe: AES
Analysis d te: 11/16/2002 17:48:11
Metl ɔd: 3.0 split
Descrip ɔn: Varian 1 ECD
Colu ın: 608
Car er: HELIUM AT 5 PSI
Data le: C937.chr ()
Sam le: 1107K11US-3 (0.5-1)30-10 x 4
Oper or: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	13.10 -		0.0000 608		1107K11US-3 (0.5-1)30-10 X4
1.17	41.33 -		0.0000 608		1107K11US-3 (0.5-1)30-10
1.23	89.52 -		0.0000 608		1107K11US-3 (0.5-1)30-10
1.34	164.38 -		0.0000 608		1107K11US-3 (0.5-1)30-10
1.83	3.83 -		0.0000 608		1107K11US-3 (0.5-1)30-10
)	3.97 -		0.0000 608		1107K11US-3 (0.5-1)30-10
7	13.88 -		0.0000 608		1107K11US-3 (0.5-1)30-10
2.40	1.54 -		0.0000 608		1107K11US-3 (0.5-1)30-10
2.57	2.05 -		0.0000 608		1107K11US-3 (0.5-1)30-10
3.51	1.28 -		0.0000 608		1107K11US-3 (0.5-1)30-10
3.70	1.47 -		0.0000 608		1107K11US-3 (0.5-1)30-10
3.86	1.54 -		0.0000 608		1107K11US-3 (0.5-1)30-10
4.14	2.74 -		0.0000 608		1107K11US-3 (0.5-1)30-10
4.23	1.98 -		0.0000 608		1107K11US-3 (0.5-1)30-10
4.66	1.17 -		0.0000 608		1107K11US-3 (0.5-1)30-10
5.05	4.33 -		0.0000 608		1107K11US-3 (0.5-1)30-10
5.64	3.58 -		0.0000 608		1107K11US-3 (0.5-1)30-10
6.18	1.04 -		0.0000 608		1107K11US-3 (0.5-1)30-10
6.37	2.88 -		0.0000 608		1107K11US-3 (0.5-1)30-10
7.02	2.00 -		0.0000 608		1107K11US-3 (0.5-1)30-10
7.39	1.64 -		0.0000 608		1107K11US-3 (0.5-1)30-10
7.78	2.92 -		0.0000 608		1107K11US-3 (0.5-1)30-10
7.99	4.45 -		0.0000 608		1107K11US-3 (0.5-1)30-10
8.23	598.72	1016 TOTAL	0.4681 608		1107K11US-3 (0.5-1)30-10
8.23	2.07	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
8.37	42.24	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
8.57	7.23	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
8.73	4.45	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.00	1.33	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.16	2.03	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.26	5.56	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.40	6.46	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.65	1.73	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
9.90	4.33	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
10.27	2.09	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
10.54	2.10	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
10.66	5.91	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
92	57.10	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
3	12.03	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
11.42	2.29	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
11.55	6.03	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
11.81	1.27	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
11.95	2.57	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
12.15	7.75	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
12.29	3.71	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
12.44	32.14	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
12.59	7.37	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
12.76	6.07	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.06	11.24	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.18	5.17	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.37	1.61	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.45	4.15	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.55	1.60	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.82	5.62	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
13.99	11.38	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.16	8.94	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.33	13.37	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.48	23.89	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.66	22.60	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.80	250.06	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
14.94	13.21	1016	0.0000 608		1107K11US-3 (0.5-1)30-10
15.25	6.08 -		0.0000 608		1107K11US-3 (0.5-1)30-10
15.62	397.92	1260 TOTAL	0.1687 608		1107K11US-3 (0.5-1)30-10
15.62	1.36	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
15.71	25.86	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
15.82	9.26	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
16.00	5.23	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
16.15	31.16	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
16.40	8.88	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
16.51	7.59	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
3	14.83	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
1	6.28	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
16.93	8.65	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
17.11	17.30	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
17.22	1.84	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
17.38	65.09	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
17.67	7.75	1260	0.0000 608		1107K11US-3 (0.5-1)30-10
17.82	5.88	1260	0.0000 608		1107K11US-3 (0.5-1)30-10

17.88	1.97 1260	0.0000 608	1107K11US-3 (0.5-1)30-10 x 4
17.97	1.36 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.08	2.67 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.19	7.22 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.31	34.68 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.50	10.81 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.67	9.53 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
18.79	1.34 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
19.08	1.14 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
19.50	17.19 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
19.76	6.29 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
19.85	4.02 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
20.02	23.48 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
20.54	4.87 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
20.85	2.18 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
21.14	24.13 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
21.28	6.88 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
21.35	2.44 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
21.74	1.08 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
22.07	1.59 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
22.50	3.14 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
22.65	2.17 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
22.93	7.01 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
23.28	3.78 1260	0.0000 608	1107K11US-3 (0.5-1)30-10
24.29	7.45 -	0.0000 608	1107K11US-3 (0.5-1)30-10
24.55	2.82 -	0.0000 608	1107K11US-3 (0.5-1)30-10
25.37	2.08 -	0.0000 608	1107K11US-3 (0.5-1)30-10
25.45	5.70 -	0.0000 608	1107K11US-3 (0.5-1)30-10
25.66	70.61 DCB	30.6627 608	1107K11US-3 (0.5-1)30-10
25.99	81.85 -	0.0000 608	1107K11US-3 (0.5-1)30-10
	2536.44	31.2995	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (1-2)

b Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K12

Level: (low/med) LOW Date Received: 11/07/02

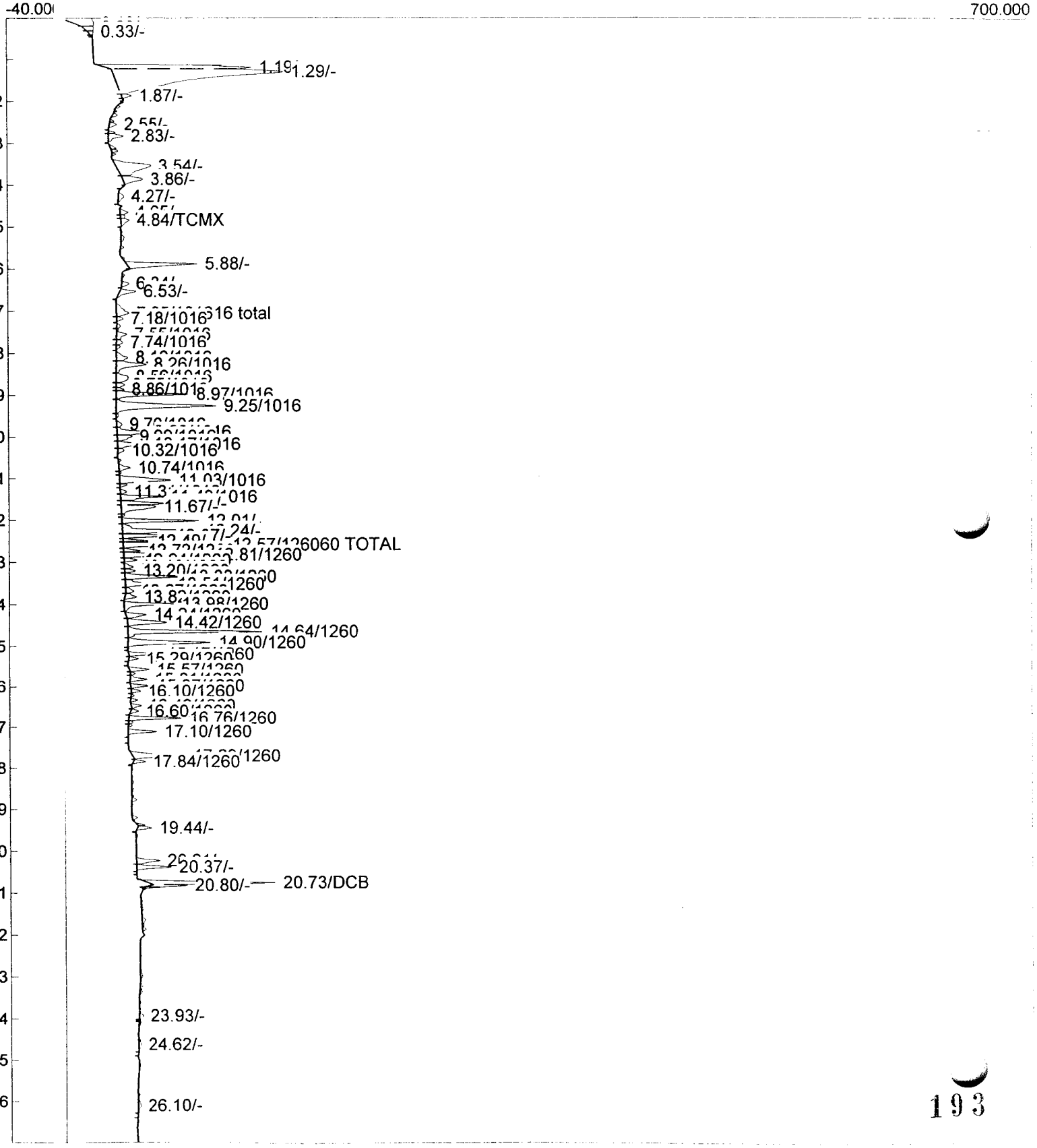
% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	440.	
11097-69-1	Arochlor-1254	440.	
11096-82-5	Arochlor-1260	170.	U

Lab na ıe: AES
Analysis c te: 11/16/2002 18:31:12
Met ɔd: 3.0 split
Descrip ɔn: Varian 1 ECD
Colu ın: DB1701
Cai er: HELIUM AT 5 PSI
Data ile: b938.chr ()
Sam ıle: 1107K12 US-3 (1-2) 30-10x4
Oper or: KEN FULLER



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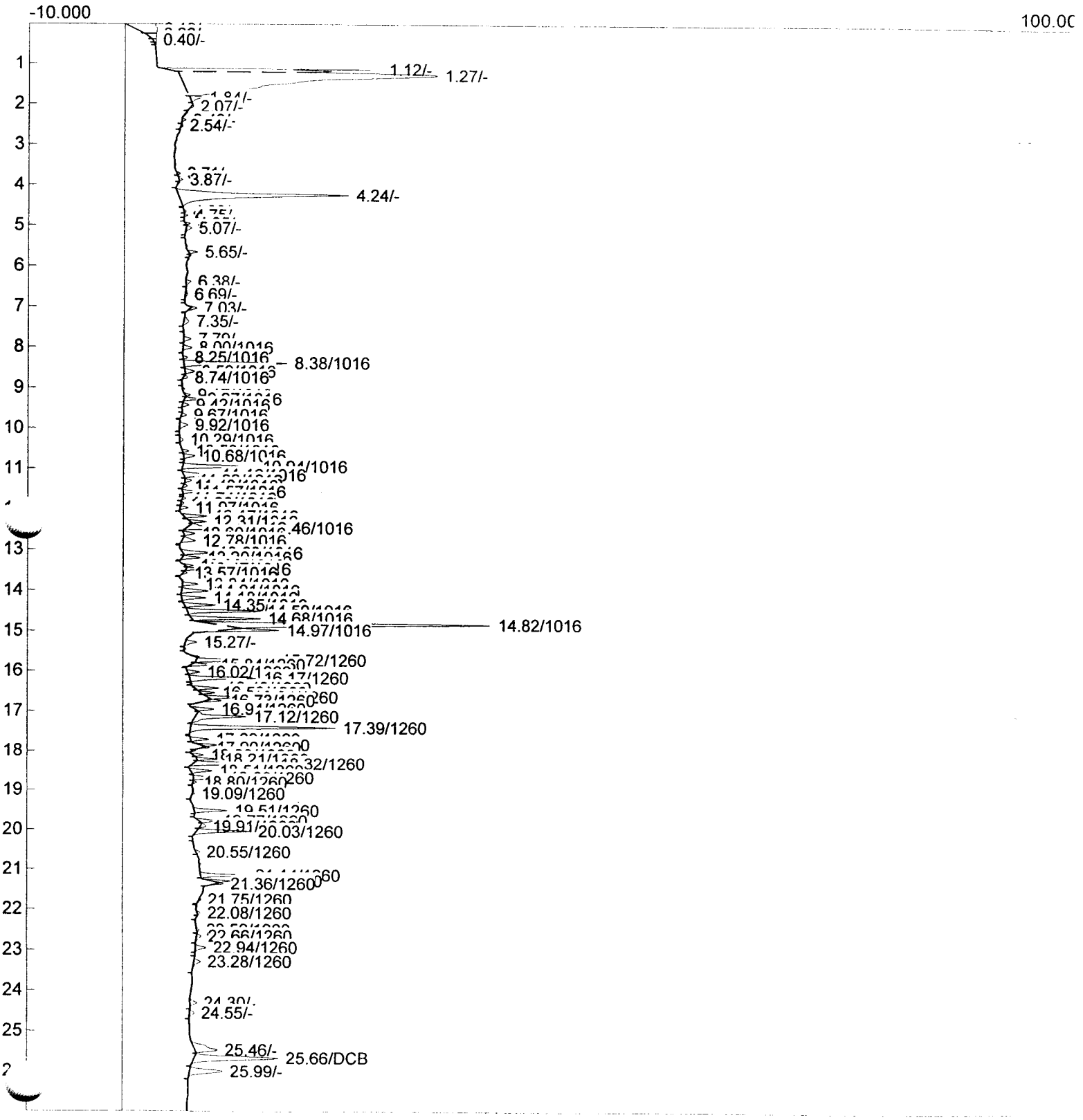
Retention	Area	Number	External	Component	Column	Sa
0.13	185.31	0	0.0000 -		DB1701 30-10X4	1107K12 US-3 (1-
0.23	44.45	0	0.0000 -		DB1701	1107K12 US-3 (1-
0.33	21.47	0	0.0000 -		DB1701	1107K12 US-3 (1-
1.19	573.32	0	0.0000 -		DB1701	1107K12 US-3 (1-
29	2021.95	0	0.0000 -		DB1701	1107K12 US-3 (1-
37	31.11	0	0.0000 -		DB1701	1107K12 US-3 (1-
2.55	28.92	0	0.0000 -		DB1701	1107K12 US-3 (1-
2.83	66.60	0	0.0000 -		DB1701	1107K12 US-3 (1-
3.54	334.06	0	0.0000 -		DB1701	1107K12 US-3 (1-
3.86	110.30	0	0.0000 -		DB1701	1107K12 US-3 (1-
4.27	34.09	0	0.0000 -		DB1701	1107K12 US-3 (1-
4.65	31.58	0	0.0000 -		DB1701	1107K12 US-3 (1-
4.84	40.02	6	0.0020 TCMX		DB1701	1107K12 US-3 (1-
5.88	251.91	0	0.0000 -		DB1701	1107K12 US-3 (1-
6.34	28.12	0	0.0000 -		DB1701	1107K12 US-3 (1-
6.53	64.78	0	0.0000 -		DB1701	1107K12 US-3 (1-
7.05	2069.24	2	0.2642 1016 total		DB1701	1107K12 US-3 (1-
7.05	91.78	1	0.0000 1016	1248	DB1701	1107K12 US-3 (1-
7.18	23.16	1	0.0000 1016		DB1701	1107K12 US-3 (1-
7.55	51.23	1	0.0000 1016		DB1701	1107K12 US-3 (1-
7.74	27.65	1	0.0000 1016		DB1701	1107K12 US-3 (1-
8.10	62.62	1	0.0000 1016		DB1701	1107K12 US-3 (1-
8.26	157.68	1	0.0000 1016	1047,18	DB1701	1107K12 US-3 (1-
8.56	88.31	1	0.0000 1016		DB1701	1107K12 US-3 (1-
8.75	31.61	1	0.0000 1016	440 ✓	DB1701	1107K12 US-3 (1-
8.86	20.73	1	0.0000 1016		DB1701	1107K12 US-3 (1-
8.97	252.30	1	0.0000 1016		DB1701	1107K12 US-3 (1-
9.25	465.42	1	0.0000 1016		DB1701	1107K12 US-3 (1-
9.70	26.93	1	0.0000 1016		DB1701	1107K12 US-3 (1-
9.88	132.90	1	0.0000 1016		DB1701	1107K12 US-3 (1-
9.99	65.65	1	0.0000 1016		DB1701	1107K12 US-3 (1-
10.17	111.09	1	0.0000 1016		DB1701	1107K12 US-3 (1-
10.32	27.77	1	0.0000 1016		DB1701	1107K12 US-3 (1-
10.74	44.83	1	0.0000 1016		DB1701	1107K12 US-3 (1-
03	220.83	1	0.0000 1016		DB1701	1107K12 US-3 (1-
1	22.32	1	0.0000 1016		DB1701	1107K12 US-3 (1-
11.43	144.43	1	0.0000 1016		DB1701	1107K12 US-3 (1-
11.59	140.01	0	0.0000 -		DB1701	1107K12 US-3 (1-
11.67	177.97	0	0.0000 -		DB1701	1107K12 US-3 (1-
12.01	210.70	0	0.0000 -		DB1701	1107K12 US-3 (1-
12.24	278.57	0	0.0000 -		DB1701	1107K12 US-3 (1-
12.37	141.77	0	0.0000 -		DB1701	1107K12 US-3 (1-
12.49	63.10	0	0.0000 -		DB1701	1107K12 US-3 (1-
12.57	297.15	3	0.0000 1260		DB1701	1107K12 US-3 (1-
12.57	3043.71	4	0.2141 1260 TOTAL		DB1701	1107K12 US-3 (1-
12.72	44.00	3	0.0000 1260		DB1701	1107K12 US-3 (1-
12.81	242.00	3	0.0000 1260		DB1701	1107K12 US-3 (1-
12.94	37.49	3	0.0000 1260		DB1701	1107K12 US-3 (1-
13.10	32.33	3	0.0000 1260		DB1701	1107K12 US-3 (1-
13.20	32.83	3	0.0000 1260		DB1701	1107K12 US-3 (1-
13.33	183.15	3	0.0000 1260	1025,61	DB1701	1107K12 US-3 (1-
13.51	151.38	3	0.0000 1260		DB1701	1107K12 US-3 (1-
13.67	35.49	3	0.0000 1260	440	DB1701	1107K12 US-3 (1-
13.82	44.86	3	0.0000 1260		DB1701	1107K12 US-3 (1-
13.98	162.39	3	0.0000 1260		DB1701	1107K12 US-3 (1-
14.24	78.03	3	0.0000 1260		DB1701	1107K12 US-3 (1-
14.42	164.73	3	0.0000 1260		DB1701	1107K12 US-3 (1-
14.64	390.85	3	0.0000 1260		DB1701	1107K12 US-3 (1-
14.90	307.32	3	0.0000 1260		DB1701	1107K12 US-3 (1-
15.17	81.30	3	0.0000 1260		DB1701	1107K12 US-3 (1-
15.29	26.73	3	0.0000 1260		DB1701	1107K12 US-3 (1-
15.57	66.86	3	0.0000 1260		DB1701	1107K12 US-3 (1-
15.81	56.64	3	0.0000 1260		DB1701	1107K12 US-3 (1-
15.97	53.24	3	0.0000 1260		DB1701	1107K12 US-3 (1-
10	27.72	3	0.0000 1260		DB1701	1107K12 US-3 (1-
3	31.88	3	0.0000 1260		DB1701	1107K12 US-3 (1-
16.60	24.26	3	0.0000 1260		DB1701	1107K12 US-3 (1-
16.76	144.53	3	0.0000 1260		DB1701	1107K12 US-3 (1-
17.10	88.77	3	0.0000 1260		DB1701	1107K12 US-3 (1-
17.69	205.67	3	0.0000 1260		DB1701	1107K12 US-3 (1-
17.84	32.13	3	0.0000 1260		DB1701	1107K12 US-3 (1-
19.44	39.59	0	0.0000 -		DB1701	1107K12 US-3 (1-

20.21	85.42	0	0.0000	-	DB1701	1107K12 US-3 (1-
20.37	104.78	0	0.0000	-	DB1701	1107K12 US-3 (1-
20.73	351.72	5	22.2917	DCB	DB1701	1107K12 US-3 (1-
20.80	83.41	0	0.0000	-	DB1701	1107K12 US-3 (1-
23.93	20.53	0	0.0000	-	DB1701	1107K12 US-3 (1-
24.62	21.27	0	0.0000	-	DB1701	1107K12 US-3 (1-
26.10	23.61	0	0.0000	-	DB1701	1107K12 US-3 (1-
	15836.37	79	22.7719			

Lab name: AES
Analysis date: 11/16/2002 18:31:12
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C938.chr ()
Sample: 1107K12US-3 (1-2)30-10*4
Operator: KEN FULLER



Retentior	Area	Component	External	Column	Sample
0.1	32.91 -		0.0000 608		1107K12US-3 (1-2)30-10*4
0.2	7.26 -		0.0000 608		1107K12US-3 (1-2)30-10*4
0.4	1.71 -		0.0000 608		1107K12US-3 (1-2)30-10*4
1.1	77.03 -		0.0000 608		1107K12US-3 (1-2)30-10*4
1.2	433.99 -		0.0000 608		1107K12US-3 (1-2)30-10*4
1.8	6.93 -		0.0000 608		1107K12US-3 (1-2)30-10*4
2.0	1.09 -		0.0000 608		1107K12US-3 (1-2)30-10
2.4	1.34 -		0.0000 608		1107K12US-3 (1-2)30-10
2.5	1.11 -		0.0000 608		1107K12US-3 (1-2)30-10*4
3.7	1.27 -		0.0000 608		1107K12US-3 (1-2)30-10*4
3.8	1.93 -		0.0000 608		1107K12US-3 (1-2)30-10*4
4.2	122.22 -		0.0000 608		1107K12US-3 (1-2)30-10*4
4.6	1.00 -		0.0000 608		1107K12US-3 (1-2)30-10*4
4.7	1.05 -		0.0000 608		1107K12US-3 (1-2)30-10*4
4.9	1.42 -		0.0000 608		1107K12US-3 (1-2)30-10*4
5.0	3.25 -		0.0000 608		1107K12US-3 (1-2)30-10*4
5.6	3.03 -		0.0000 608		1107K12US-3 (1-2)30-10*4
6.3	2.84 -		0.0000 608		1107K12US-3 (1-2)30-10*4
6.6	2.21 -		0.0000 608		1107K12US-3 (1-2)30-10*4
7.0	2.71 -		0.0000 608		1107K12US-3 (1-2)30-10*4
7.3	4.21 -		0.0000 608		1107K12US-3 (1-2)30-10*4
7.7	3.68 -		0.0000 608		1107K12US-3 (1-2)30-10*4
8.0	4.54 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
8.2	1.78 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
8.3	46.24 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
8.5	4.86 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
8.7	1.84 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
9.1	2.03 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
9.2	5.63 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
9.4	2.83 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
9.6	2.17 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
9.9	5.45 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
10.2	2.12 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
10.5	2.28 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
10.6	5.12 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
10.9	31.43 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
11.1	15.56 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
11.2	2.64 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
11.4	1.52 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
0.0	0.00 1016	TOTAL	0.0000 608		1107K12US-3 (1-2)30-10
11.5	5.35 1016		0.0000 608		1107K12US-3 (1-2)30-10
11.7	1.01 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
11.8	1.24 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
11.9	2.89 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
12.1	8.76 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
12.3	5.21 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
12.4	30.36 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
12.6	4.79 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
12.7	6.99 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.0	12.54 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.2	6.67 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.3	2.53 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.4	4.38 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.5	1.54 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
13.8	6.01 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14.0	11.90 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 3	10.00 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 5	12.25 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 0	29.74 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 3	26.07 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 2	130.42 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
14. 7	19.45 1016		0.0000 608		1107K12US-3 (1-2)30-10*4
15. 7	5.55 -		0.0000 608		1107K12US-3 (1-2)30-10*4
15. 2	28.17 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
15. 4	7.50 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 2	4.83 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 7	28.55 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 2	9.40 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 3	4.89 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 4	12.72 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 3	5.80 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
16. 4	7.73 1260		0.0000 608		1107K12US-3 (1-2)30-10
17. 2	26.53 1260		0.0000 608		1107K12US-3 (1-2)30-10
17. 9	60.24 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
17. 9	7.19 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
17. 3	5.47 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
17. 0	1.77 1260		0.0000 608		1107K12US-3 (1-2)30-10*4
18. 9	3.81 1260		0.0000 608		1107K12US-3 (1-2)30-10*4

18.21	6.88	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
18.32	31.14	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
18.51	9.46	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
18.69	11.60	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
18.80	1.17	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
19.09	1.04	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
19.51	13.97	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
0.00	0.00	1260 TOTAL	0.0000 608	1107K12US-3 (1-2)30-10*4
.77	7.20	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
.91	2.76	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
20.03	22.81	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
20.55	1.84	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
21.14	20.05	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
21.29	5.45	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
21.36	2.72	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
21.75	1.05	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
22.08	1.44	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
22.50	1.94	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
22.66	3.03	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
22.94	5.60	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
23.28	4.27	1260	0.0000 608	1107K12US-3 (1-2)30-10*4
24.30	4.38	-	0.0000 608	1107K12US-3 (1-2)30-10*4
24.55	3.19	-	0.0000 608	1107K12US-3 (1-2)30-10*4
25.46	20.97	-	0.0000 608	1107K12US-3 (1-2)30-10*4
25.66	56.41	DCB	24.4970 608	1107K12US-3 (1-2)30-10*4
25.99	23.43	-	0.0000 608	1107K12US-3 (1-2)30-10*4
	1676.23		24.4970	

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K13

Level: (low/med) LOW Date Received: 11/07/02

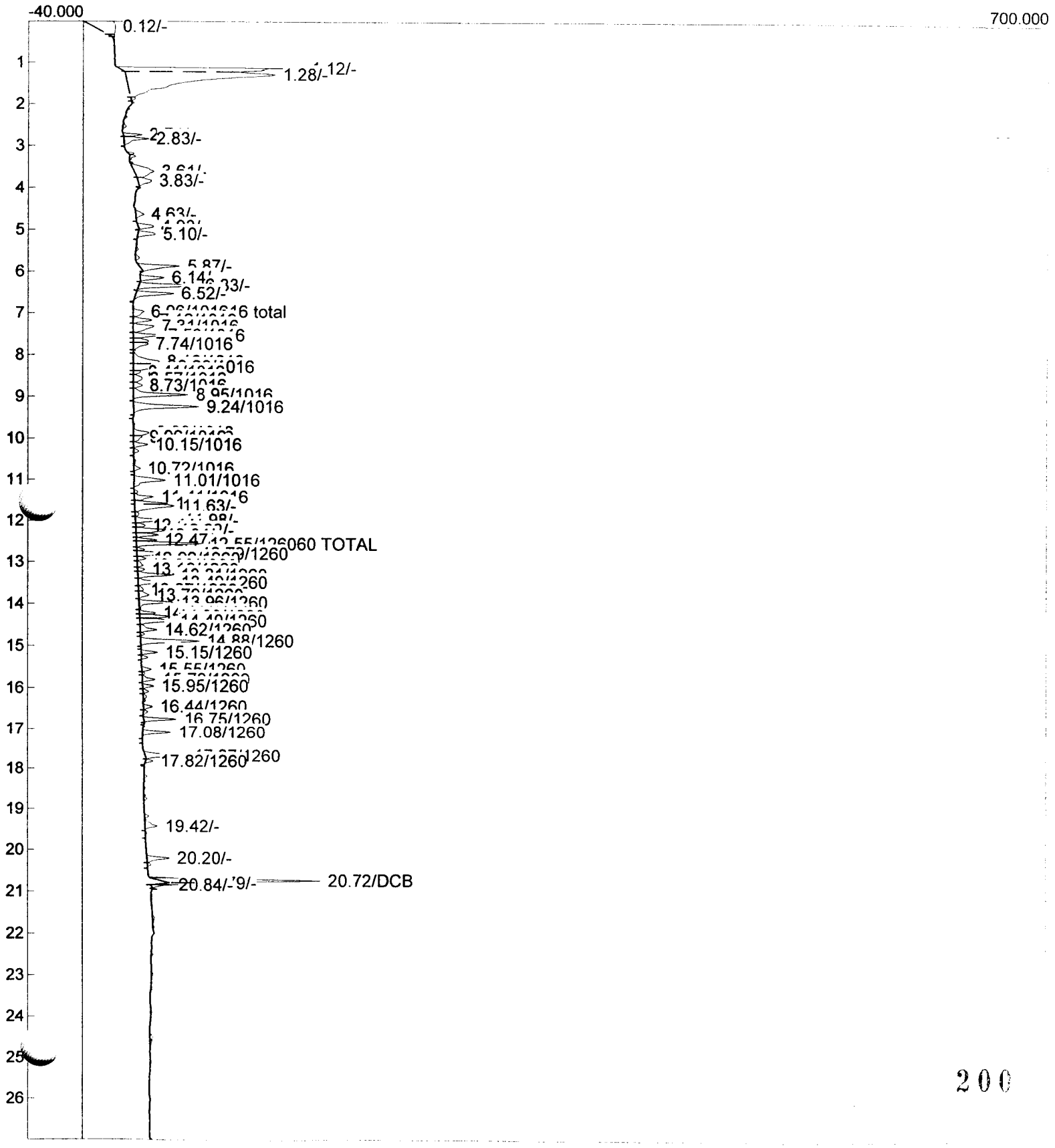
% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	290.	
11096-82-5	Arochlor-1260	170.	U

Lab name: AES
Analysis date: 11/16/2002 19:14:09
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b939.chr ()
Sample: 1107K13 US-4 (0-0.5) 30-10X4
Operator: KEN FULLER



200

Retention	Area	Number	External	Component	Column	
0.1	267.68	0	0.0000 -		DB1701	1107K13 US-4 (
1.1	632.22	0	0.0000 -		DB1701	1107K13 US-4 (
1.2	1635.73	0	0.0000 -		DB1701	1107K13 US-4 (
2.7	47.76	0	0.0000 -		DB1701	1107K13 US-4 (
2.8	93.28	0	0.0000 -		DB1701	1107K13 US-4 (
3.6	180.00	0	0.0000 -		DB1701	1107K[redacted]S-4 (
3.8	77.89	0	0.0000 -		DB1701	1107K[redacted]S-4 (
4.6	39.35	0	0.0000 -		DB1701	1107K13 US-4 (
0.0	0.00	6	0.0000 TCMX		DB1701	1107K13 US-4 (
4.9	65.00	0	0.0000 -		DB1701	1107K13 US-4 (
5.1	71.31	0	0.0000 -		DB1701	1107K13 US-4 (
5.8	153.95	0	0.0000 -		DB1701	1107K13 US-4 (
6.1	85.51	0	0.0000 -		DB1701	1107K13 US-4 (
6.3	203.15	0	0.0000 -		DB1701	1107K13 US-4 (
6.5	137.67	0	0.0000 -		DB1701	1107K13 US-4 (
6.9	1781.40	2	0.2274	1016 total	DB1701	1107K13 US-4 (
6.9	60.42	1	0.0000	1016	DB1701	1107K13 US-4 (
7.1	69.71	1	0.0000	1016	DB1701	1107K13 US-4 (
7.3	118.84	1	0.0000	1016	DB1701	1107K13 US-4 (
7.5	93.19	1	0.0000	1016	DB1701	1107K13 US-4 (
7.6	60.21	1	0.0000	1016	DB1701	1107K13 US-4 (
7.7	67.05	1	0.0000	1016	DB1701	1107K13 US-4 (
8.1	143.31	1	0.0000	1016	DB1701	1107K13 US-4 (
8.2	169.88	1	0.0000	1016	DB1701	1107K13 US-4 (
8.4	24.12	1	0.0000	1016	DB1701	1107K13 US-4 (
8.5	54.53	1	0.0000	1016	DB1701	1107K13 US-4 (
8.7	39.27	1	0.0000	1016	DB1701	1107K13 US-4 (
8.9	202.83	1	0.0000	1016	DB1701	1107K13 US-4 (
9.2	260.68	1	0.0000	1016	DB1701	1107K13 US-4 (
9.8	70.96	1	0.0000	1016	DB1701	1107K13 US-4 (
9.9	38.11	1	0.0000	1016	DB1701	1107K13 US-4 (
10.1	49.87	1	0.0000	1016	DB1701	1107K13 US-4 (
10.7	25.33	1	0.0000	1016	DB1701	1107K13 US-4 (
11.0	157.49	1	0.0000	1016	DB1701	1107K13 US-4 (
11.4	75.60	1	0.0000	1016	DB1701	1107K13 US-4 (
11.5	85.39	0	0.0000 -		DB1701	1107K[redacted]S-4 (
11.6	181.03	0	0.0000 -		DB1701	1107K[redacted]S-4 (
11.9	121.20	0	0.0000 -		DB1701	1107K13 US-4 (
12.1	35.35	0	0.0000 -		DB1701	1107K13 US-4 (
12.2	133.17	0	0.0000 -		DB1701	1107K13 US-4 (
12.3	70.15	0	0.0000 -		DB1701	1107K13 US-4 (
12.4	50.36	0	0.0000 -		DB1701	1107K13 US-4 (
12.5	1908.36	4	0.1342	1260 TOTAL	DB1701	1107K13 US-4 (
12.5	196.98	3	0.0000	1260	DB1701	1107K13 US-4 (
12.7	168.34	3	0.0000	1260	DB1701	1107K13 US-4 (
12.9	27.27	3	0.0000	1260	DB1701	1107K13 US-4 (
13.0	24.37	3	0.0000	1260	DB1701	1107K13 US-4 (
13.1	20.95	3	0.0000	1260	DB1701	1107K13 US-4 (
13.3	116.71	3	0.0000	1260	DB1701	1107K13 US-4 (
13.4	110.93	3	0.0000	1260	DB1701	1107K13 US-4 (
13.6	20.80	3	0.0000	1260	DB1701	1107K13 US-4 (
13.7	47.30	3	0.0000	1260	DB1701	1107K13 US-4 (
13.9	106.60	3	0.0000	1260	DB1701	1107K13 US-4 (
14.2	43.19	3	0.0000	1260	DB1701	1107K13 US-4 (
14.3	98.93	3	0.0000	1260	DB1701	1107K13 US-4 (
14.4	126.19	3	0.0000	1260	DB1701	1107K13 US-4 (
14.6	64.17	3	0.0000	1260	DB1701	1107K13 US-4 (
14.8	201.69	3	0.0000	1260	DB1701	1107K13 US-4 (
15.1	45.55	3	0.0000	1260	DB1701	1107K13 US-4 (
15.5	30.94	3	0.0000	1260	DB1701	1107K13 US-4 (
15.7	45.16	3	0.0000	1260	DB1701	1107K13 US-4 (
15.9	33.40	3	0.0000	1260	DB1701	1107K13 US-4 (
16.4	30.13	3	0.0000	1260	DB1701	1107K13 US-4 (
16.7	90.35	3	0.0000	1260	DB1701	1107K13 US-4 (
17.0	87.55	3	0.0000	1260	DB1701	1107K13 US-4 (
17.6	149.99	3	0.0000	1260	DB1701	1107[redacted]S-4 (
17.8	20.88	3	0.0000	1260	DB1701	1107K[redacted]S-4 (
19.4	60.47	0	0.0000 -		DB1701	1107K13 US-4 (
20.2	81.19	0	0.0000 -		DB1701	1107K13 US-4 (
20.7	449.62	5	28.4967	DCB	DB1701	1107K13 US-4 (
20.7	63.96	0	0.0000 -		DB1701	1107K13 US-4 (
20.8	28.32	0	0.0000 -		DB1701	1107K13 US-4 (

30-10 X 4

1248

666.34

280 ug/Kg

1254

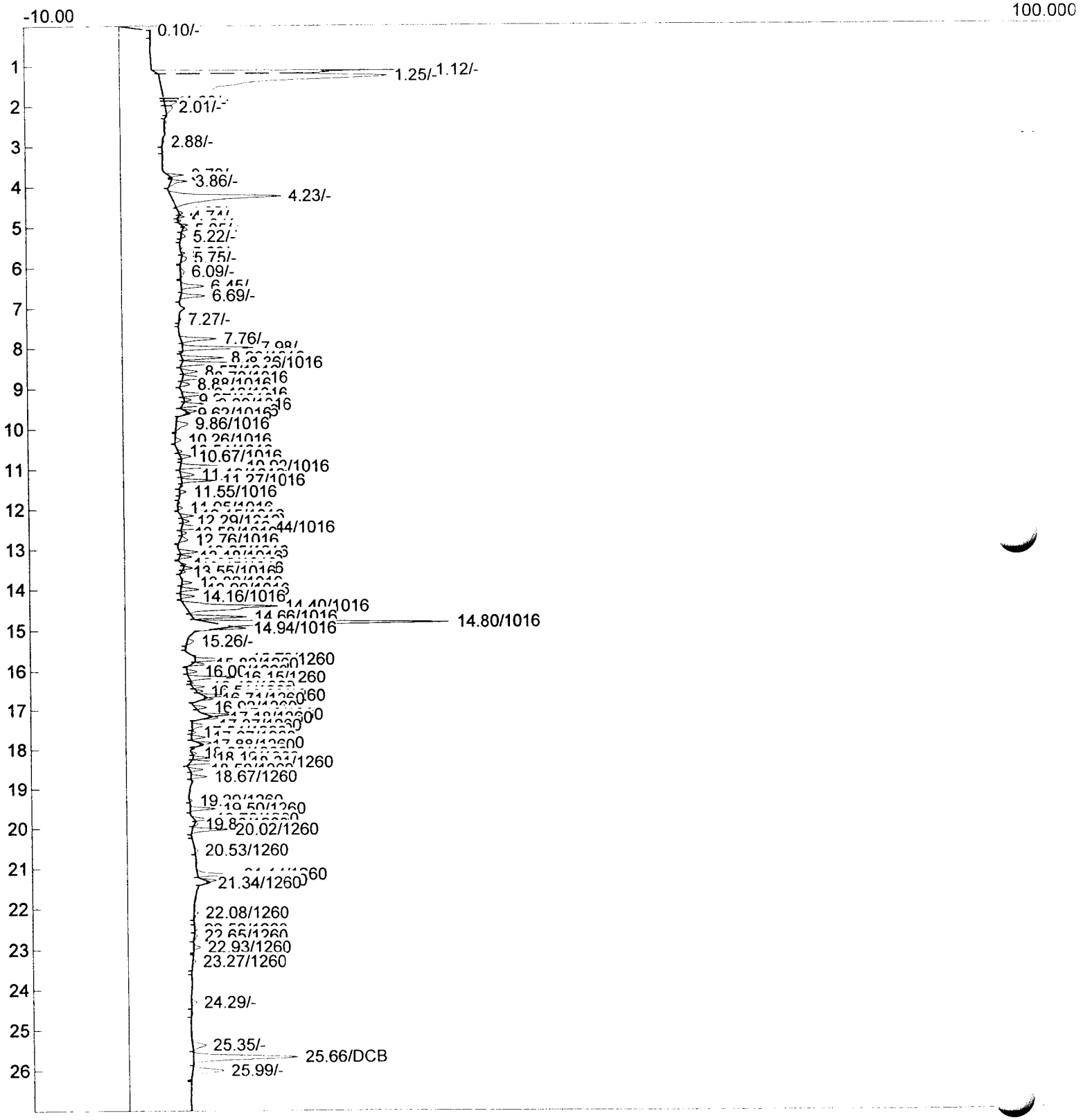
707.28

290 V

11592

201

Lab na ıe: AES
Analysis d te: 11/16/2002 19:14:09
Metl ɔd: 3.0 split
Descrip ɔn: Varian 1 ECD
Colu ɪn: 608
Car er: HELIUM AT 5 PSI
Data le: C939.chr ()
Sam le: 1107K13US-4 (0-0.5)30-10 X Y
Oper or: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.10	10.43 -		0.0000 608		1107K13US-4 (0-0.5)30-10
1.12	97.11 -		0.0000 608		1107K13US-4 (0-0.5)30-10
1.25	346.89 -		0.0000 608		1107K13US-4 (0-0.5)30-10
1.82	5.98 -		0.0000 608		1107K13US-4 (0-0.5)30-10
1.89	7.80 -		0.0000 608		1107K13US-4 (0-0.5)30-10
01	6.25 -		0.0000 608		1107K13US-4 (0-0.5)30-10
.88	1.17 -		0.0000 608		1107K13US-4 (0-0.5)30-10
3.70	5.28 -		0.0000 608		1107K13US-4 (0-0.5)30-10
3.86	7.60 -		0.0000 608		1107K13US-4 (0-0.5)30-10
4.23	91.13 -		0.0000 608		1107K13US-4 (0-0.5)30-10
4.65	1.78 -		0.0000 608		1107K13US-4 (0-0.5)30-10
4.74	1.57 -		0.0000 608		1107K13US-4 (0-0.5)30-10
4.94	1.87 -		0.0000 608		1107K13US-4 (0-0.5)30-10
5.05	1.79 -		0.0000 608		1107K13US-4 (0-0.5)30-10
5.22	2.33 -		0.0000 608		1107K13US-4 (0-0.5)30-10
5.63	1.05 -		0.0000 608		1107K13US-4 (0-0.5)30-10
5.75	3.98 -		0.0000 608		1107K13US-4 (0-0.5)30-10
6.09	4.09 -		0.0000 608		1107K13US-4 (0-0.5)30-10
6.45	12.26 -		0.0000 608		1107K13US-4 (0-0.5)30-10
6.69	11.66 -		0.0000 608		1107K13US-4 (0-0.5)30-10
7.27	1.09 -		0.0000 608		1107K13US-4 (0-0.5)30-10
7.76	17.80 -		0.0000 608		1107K13US-4 (0-0.5)30-10
7.98	30.48 -		0.0000 608		1107K13US-4 (0-0.5)30-10
8.23	17.28 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
8.36	25.33 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
8.57	6.97 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
8.73	12.25 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
8.88	4.43 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.13	11.37 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.27	2.54 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.39	13.23 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.55	3.65 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.62	1.32 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
9.86	9.73 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
10.26	3.42 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
10.54	1.89 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
10.67	4.65 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
.92	24.93 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13	7.06 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
.27	12.96 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
0.00	0.00 1016	TOTAL	0.0000 608		1107K13US-4 (0-0.5)30-10
11.55	2.79 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
11.95	2.00 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
12.15	4.96 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
12.29	2.43 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
12.44	24.70 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
12.58	2.00 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
12.76	4.35 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.05	7.76 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.18	4.50 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.36	1.13 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.45	3.17 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.55	1.31 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.82	3.74 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
13.99	7.74 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
14.16	5.73 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
14.40	69.52 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
14.66	20.28 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
14.80	109.80 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
14.94	8.80 1016		0.0000 608		1107K13US-4 (0-0.5)30-10
15.26	4.16 -		0.0000 608		1107K13US-4 (0-0.5)30-10
15.70	17.73 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
15.82	5.49 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.00	4.29 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.15	19.74 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.40	4.57 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.51	2.08 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.62	10.96 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.71	3.37 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
16.92	4.84 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
10	7.95 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
18	5.10 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
17.37	9.10 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
17.54	1.38 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
17.67	5.60 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
17.82	4.43 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
17.88	1.08 1260		0.0000 608		1107K13US-4 (0-0.5)30-10
18.08	1.72 1260		0.0000 608		1107K13US-4 (0-0.5)30-10

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18.19	5.21	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
18.31	20.21	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
18.50	5.43	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
18.67	6.32	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
19.29	1.05	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
19.50	10.46	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
0.00	0.00	1260 TOTAL	0.0000	608	1107K13US-4 (0-0.5)30-10
19.76	5.97	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
19.88	1.54	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
20.02	15.80	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
20.53	1.87	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
21.14	17.43	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
21.28	3.76	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
21.34	1.10	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
22.08	3.01	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
22.50	1.47	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
22.65	2.10	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
22.93	3.42	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
23.27	2.06	1260	0.0000	608	1107K13US-4 (0-0.5)30-10
24.29	3.39	-	0.0000	608	1107K13US-4 (0-0.5)30-10
25.35	9.99	-	0.0000	608	1107K13US-4 (0-0.5)30-10
25.66	74.22	DCB	32.2328	608	1107K13US-4 (0-0.5)30-10
25.99	21.90	-	0.0000	608	1107K13US-4 (0-0.5)30-10
	1452.43		32.2328		

STANDARDS

DATA

6D

PCB INITIAL CALIBRATION

Lab N me: Adirondack Environmental Services, Inc. Contract:

Lab C de: AES Case No: UR 0204 SAS No.: SDG No: DS-1 (0-0.5)

Instru ent ID (1): VAR-1

GC C umn (1): DB1701 ID: 0.53 (mm) Date(s) Analyzed: 11/7/02

Comp und	RT of Standards						Mean RT	RT Window	
	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6		From	To
Arocl r 1016	8.23	8.200	8.210	8.230	8.250	8.230	8.225	8.143	8.307
Arocl r 1260	16.700	16.690	16.700	16.750	16.760	16.750	16.725	16.558	16.892
DCB	20.660	20.650	20.640	20.730	20.730	20.720	20.688	20.481	20.895

Reten on times for Aroclors are calculated from +/- 0.07 minutes from the mean retention time for the reference peak.

Reten on time for DCB is calculated from +/- 0.10 minutes from the mean retention time.

FORM 6E
PCB INITIAL CALIBRATION

Lab Name: Adirondack Environmental Services Inc. Contract:
Lab Code: AES Case No: UR 0204 SAS No.: SDG No: DS-1 (0-0.5)

Instrument ID (1): VAR-1 Level (x low): low mid high
GC Column (1): DB1701 (mm) 0.53 Date(s) Analyzed: 11/7/02

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6		
Aroclor 1016	5169.2	5946.3	5198.6	5091.9	5037.0	4891.0	5222.3	7.11
Aroclor 1260	10606.1	10099.0	9162.1	9071.5	9103.1	8822.9	9477.5	7.45
DCB *	11629.3	10324.1	10373.7	10713.5	10440.1	10574.7	10675.9	4.57

* Surrogate compound

%RSD must be less than 20 % for all compounds and surrogates. If the %RSD is greater than 20 % the calibration curve must be used for quanititation.

8E
PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for DCB

Lab ame: AES,INC. Contract:

Lab ode: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Inst ument ID: VAR1 GC Column ID: DB1701

Date of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	AR1660 0.05	AR1660 0.05	11/07/02	02:11	.0	
2	AR1660 0.1	AR1660 0.1	11/07/02	02:43	.0	
3	AR1660 0.25	AR1660 0.25	11/07/02	03:15	.1	
4	AR1660 0.5	AR1660 0.5	11/07/02	03:47	.3	
5	AR1660 1.0	AR1660 1.0	11/07/02	04:19	.3	
6	AR1660 2.0	AR1660 2.0	11/07/02	04:51	.3	
7	AR1660 0.5 CC1	AR1660 0.5 CC1	11/16/02	05:37	.2	
8	AR1221 0.5	AR1221 0.5	11/16/02	06:20	.1	
9	AR1232 0.5	AR1232 0.5	11/16/02	07:03	.1	
10	AR1242 0.5	AR1242 0.5	11/16/02	07:46	.1	
11	AR1248 0.5	AR1248 0.5	11/16/02	08:29	.3	
12	AR1254 0.5	AR1254 0.5	11/16/02	09:12	.3	
13	PBLKU1	PBLKU1	11/16/02	09:55	.3	
14	OF (0-0.5)	OF (0-0.5)	11/16/02	10:38	.1	
15	OF (0.5-1)	OF (0.5-1)	11/16/02	11:21	.1	
16	OF (1-2)	OF (1-2)	11/16/02	12:04	.1	
17	US-1 (0-0.5)	US-1 (0-0.5)	11/16/02	12:47	.0	
18	US-2 (0-0.5)	US-2 (0-0.5)	11/16/02	14:56	.3	
19	US-2 (0.5-1)	US-2 (0.5-1)	11/16/02	15:39	.3	
20	US-2 (1-2)	US-2 (1-2)	11/16/02	16:22	.2	
20	US-3 (0-0.5)	US-3 (0-0.5)	11/16/02	17:05	.3	
21	US-3 (0.5-1)	US-3 (0.5-1)	11/16/02	17:48	.5	
22	US-3 (1-2)	US-3 (1-2)	11/16/02	18:31	.3	
23	US-4 (0-0.5)	US-4 (0-0.5)	11/16/02	19:14	.3	
24	AR1660 0.5 CC2	AR 1660 0.5 CC2	11/16/02	20:40	.3	
25	DS-1 (1-2)	DS-1 (1-2)	11/16/02	23:32	.1	
26	DS-2 (0-0.5)	DS-2 (0-0.5)	11/17/02	00:14	.1	
27	DS-2 (0.5-1)	DS-2 (0.5-1)	11/17/02	00:57	.2	
28	DS-2 (1-2)	DS-2 (1-2)	11/17/02	01:40	.2	
29	PMSBU1	PMSBU1	11/17/02	02:23	.1	
30	AR1660 0.5 CC3	AR1660 0.5 CC3	11/17/02	03:06	.2	
31	US-1 (0-0.5)MS	US-1 (0-0.5) MS	11/17/02	04:32	.2	
32	US-1 (0-0.5)MSD	US-1 (0-0.5) MSD	11/17/02	05:15	.1	
33	AR1660 0.5 CC4	AR1660 0.5 CC4	11/17/02	08:50	.1	
34	AR1660 0.5 CC5	AR1660 0.5 CC5	11/19/02	21:35	.3	
35	US-1 (0.5-1)	US-1 (0.5-1)	11/19/02	22:14	.3	
36	US-1 (1-2)	US-1 (1-2)	11/19/02	22:57	.3	
37	DS-1 (0-0.5)	DS-1 (0-0.5)	11/20/02	01:06	.2	
38						

* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

8E

PCB EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for DCB

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

Dates of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	DS-1 (0.5-1)	DS-1 (0.5-1)	11/20/02	01:49	.2	
2	DS-3 (0-0.5)	DS-3 (0-0.5)	11/20/02	02:32	.3	
3	AR1660 0.5 CC6	AR1660 0.5 CC6	11/20/02	03:58	.2	
4	AR1660 0.5	AR1660 0.5	11/20/02	09:42	.3	
5	AR1221 0.5	AR1221 0.5	11/20/02	11:08	.3	
6	AR1232 0.5	AR1232 0.5	11/20/02	11:51	.3	
7	AR1242 0.5	AR1242 0.5	11/20/02	12:34	.3	
8	AR1248 0.5	AR1248 0.5	11/20/02	13:17	.3	
9	AR1254 0.5	AR1254 0.5	11/20/02	14:00	.3	
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* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

8E
PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for DCB

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

Dates of Analyses: 11/07/02 to 11/20/02

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	AR1660 0.5	AR1660 0.5	11/16/02	05:37	.0	
2	AR1248 0.5	AR1248 0.5	11/16/02	08:29	.2	
3	AR1254 0.5	AR1254 0.5	11/16/02	09:12	.2	
4	PBLKU1	PBLKU1	11/16/02	09:55	.1	
5	OF (0-0.5)	OF (0-0.5)	11/16/02	10:38	.2	
6	OF (0.5-1)	OF (0.5-1)	11/16/02	11:21	.1	
7	OF (1-2)	OF (1-2)	11/16/02	12:04	.1	
8	US-1 (0-0.5)	US-1 (0-0.5)	11/16/02	12:47	.2	
9	US-2 (0-0.5)	US-2 (0-0.5)	11/16/02	14:56	.1	
10	US-2 (0.5-1)	US-2 (0.5-1)	11/16/02	15:39	.2	
11	US-2 (1-2)	US-2 (1-2)	11/16/02	16:22	.0	
12	US-3 (0-0.5)	US-3 (0-0.5)	11/16/02	17:05	.1	
13	US-3 (0.5-1)	US-3 (0.5-1)	11/16/02	17:48	.2	
14	US-3 (1-2)	US-3 (1-2)	11/16/02	18:31	.2	
15	US-4 (0-0.5)	US-4 (0-0.5)	11/16/02	19:14	.2	
16	AR1660 0.5 CC1	AR1660 0.5 CC1	11/16/02	20:40	.1	
17	DS-1 (1-2)	DS-1 (1-2)	11/16/02	23:32	.0	
18	DS-2 (0-0.5)	DS-2 (0-0.5)	11/17/02	00:14	.0	
19	DS-2 (0.5-1)	DS-2 (0.5-1)	11/17/02	00:57	.0	
20	DS-2 (1-2)	DS-2 (1-2)	11/17/02	01:40	.0	
21	AR1660 0.5 CC2	AR1660 0.5 CC2	11/17/02	03:06	.0	
22	AR1660 0.5 CC3	AR1660 0.5 CC3	11/17/02	08:50	.1	
23	AR1660 0.5 CC4	AR1660 0.5 CC4	11/19/02	21:35	.1	
24	US-1 (0.5-1)	US-1 (0.5-1)	11/19/02	22:14	.1	
25	US-1 (1-2)	US-1 (1-2)	11/19/02	22:57	.2	
26	DS-1 (0-0.5)	DS-1 (0-0.5)	11/20/02	01:06	.0	
27	DS-1 (0.5-1)	DS-1 (0.5-1)	11/20/02	01:49	.1	
28	DS-3 (0-0.5)	DS-3 (0-0.5)	11/20/02	02:32	.1	
29	AR1660 0.5 CC5	AR1660 0.5 CC5	11/20/02	03:58	.1	
30	AR1660 0.5	AR1660 0.5	11/20/02	09:42	.1	
31	AR1248 0.5	AR1248 0.5	11/20/02	13:17	.2	
32	AR1254 0.5	AR1254 0.5	11/20/02	14:00	.2	
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34						
35						
36						
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38						

* Values outside of QC limits (2.0% for packed columns, 0.6% for capillary columns)

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00
DATE OF ANALYSIS 11/06/02
TIME OF ANALYSIS 05:37
EPA SAMPLE NO. (STANDARD) CC1 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222	8.25	4926.	Y	5.7
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.73	8636.	Y	8.9

Enter QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/16/02
TIME OF ANALYSIS 20:40
EPA SAMPLE NO. (STANDARD) CC2 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222	8.24	5220.	Y	0.0
Aroclor-1221	6.00	5.94	6.06	749.			Y	
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.			Y	
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.			Y	
Aroclor-1260	16.70	16.63	16.87	9477.	16.75	9332.	Y	1.5

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 03:06
EPA SAMPLE NO. (STANDARD) CC3 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222	8.25	5216.	Y	0.1
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.74	9188.	Y	3.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 05:37
EPA SAMPLE NO. (STANDARD) CC4 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222	8.21	5215.	Y	0.1
Aroclor-1221	6.00	5.94	6.06	749.			Y	
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.			Y	
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.			Y	
Aroclor-1260	16.70	16.63	16.87	9477.	16.72	9171.	Y	3.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/19/02
TIME OF ANALYSIS 21:35
EPA SAMPLE NO. (STANDARD) CC5 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222	8.24	4675.	Y	10.5
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
ochlor-1260	16.70	16.63	16.87	9477.	16.75	8605.	Y	9.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 03:58
EPA SAMPLE NO. (STANDARD) CC6 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222	8.23	5147.	Y	1.4
Aroclor-1221	6.00	5.94	6.06	749.			Y	
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.			Y	
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.			Y	
Aroclor-1260	16.70	16.63	16.87	9477.	16.74	9001.	Y	5.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 09:42
EPA SAMPLE NO. (STANDARD) 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222	8.25	5316.	Y	1.8
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.	16.76	9865.	Y	4.1

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 11:08
EPA SAMPLE NO. (STANDARD) 1221

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222			Y	
Aroclor-1221	6.00	5.94	6.06	749.	6.01	641.	Y	14.4
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.			Y	
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.			Y	
Aroclor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

	DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02				DATE OF ANALYSIS 11/20/02			
	TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00				TIME OF ANALYSIS 11:51			
					EPA SAMPLE NO. (STANDARD) 1232			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.	6.01	2808.	Y	8.2
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.			Y	
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00
DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 12:34
EPA SAMPLE NO. (STANDARD) 1242

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222			Y	
Aroclor-1221	6.00	5.94	6.06	749.			Y	
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.	8.26	2674.	Y	10.9
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.			Y	
Aroclor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 13:17
EPA SAMPLE NO. (STANDARD) 1248

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	8.23	8.15	8.31	5222			Y	
Arochlor-1221	6.00	5.94	6.06	749.			Y	
Arochlor-1232	6.02	5.96	6.08	2597.			Y	
Arochlor-1242	8.26	8.18	8.34	2411.			Y	
Arochlor-1248	10.17	10.07	10.27	2686.	10.15	2949.	Y	9.8
Arochlor-1254	14.90	14.75	15.05	2675.			Y	
Arochlor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB1701

DATE(S) OF ANALYSIS FROM: 11/07/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 02:11 TO: 14:00
DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 14:00
EPA SAMPLE NO. (STANDARD) 1254

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	8.23	8.15	8.31	5222			Y	
Aroclor-1221	6.00	5.94	6.06	749.			Y	
Aroclor-1232	6.02	5.96	6.08	2597.			Y	
Aroclor-1242	8.26	8.18	8.34	2411.			Y	
Aroclor-1248	10.17	10.07	10.27	2686.			Y	
Aroclor-1254	14.90	14.75	15.05	2675.	14.89	2893.	Y	8.2
Aroclor-1260	16.70	16.63	16.87	9477.			Y	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/16/02
TIME OF ANALYSIS 20:40
EPA SAMPLE NO. (STANDARD) AR 1660 CC1

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.13	882.	N	3.5
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.01	1703.	N	8.3

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 03:06
EPA SAMPLE NO. (STANDARD) AR 1660 CC2

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	11.12	11.01	11.23	853.	11.11	939.	N	12
Aroclor-1248	13.08	12.95	13.21	279.			N	
Aroclor-1254	17.11	16.94	17.28	481.			N	
Aroclor-1260	19.99	19.79	20.18	1573.	20.0	1543.	N	2.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

) Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/17/02
TIME OF ANALYSIS 08:50
EPA SAMPLE NO. (STANDARD) AR 1660 CC3

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.09	898.	N	5.4
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.		1588.	N	1.0

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

:e: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/19/02
TIME OF ANALYSIS 21:35
EPA SAMPLE NO. (STANDARD) AR 1660 CC4

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	11.12	11.01	11.23	853.	11.13	795.	N	6.7
Aroclor-1248	13.08	12.95	13.21	279.			N	
Aroclor-1254	17.11	16.94	17.28	481.			N	
Aroclor-1260	19.99	19.79	20.18	1573.	20.02	1393.	N	11

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 03:58
EPA SAMPLE NO. (STANDARD) AR 1660 CC5

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.	11.12	859.	N	1.0
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.	20.00	1465.	N	6.8

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 09:42
EPA SAMPLE NO. (STANDARD) AR 1660

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Aroclor-1016	11.12	11.01	11.23	853.	11.15	866.	N	1.4
Aroclor-1248	13.08	12.95	13.21	279.			N	
Aroclor-1254	17.11	16.94	17.28	481.			N	
Aroclor-1260	19.99	19.79	20.18	1573.	20.04	1491.	N	5.2

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS	FROM: 11/16/02 TO: 11/20/02	DATE OF ANALYSIS	11/20/02
TIME(S) OF ANALYSIS	FROM: 05:37 TO: 14:00	TIME OF ANALYSIS	13:17
		EPA SAMPLE NO. (STANDARD)	AR 1248

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.			N	
Arochlor-1248	13.08	12.95	13.21	279.	11.13	296.	N	6.4
Arochlor-1254	17.11	16.94	17.28	481.			N	
Arochlor-1260	19.99	19.79	20.18	1573.			N	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PCB STANDARDS SUMMARY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Instrument ID: VAR1 GC Column ID: DB608

DATE(S) OF ANALYSIS FROM: 11/16/02 TO: 11/20/02
TIME(S) OF ANALYSIS FROM: 05:37 TO: 14:00

DATE OF ANALYSIS 11/20/02
TIME OF ANALYSIS 14:00
EPA SAMPLE NO. (STANDARD) AR 1254

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
Arochlor-1016	11.12	11.01	11.23	853.			N	
Arochlor-1248	13.08	12.95	13.21	279.			N	
Arochlor-1254	17.11	16.94	17.28	481.	17.12	466.	N	3.0
Arochlor-1260	19.99	19.79	20.18	1573.			N	

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the largest single peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-1 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-1 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.14	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.10	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10

PCB IDENTIFICATION

EPA SAMPLE NO.

DS-1 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-1 (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.14	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.10	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-1 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-1 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.13	10.07	10.27	Y	N
2		Column 2	13.04	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.86	14.75	15.05	Y	N
4		Column 2	17.08	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-2 (0-0.5)

b Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-2 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.12	10.07	10.27	Y	N
2		Column 2	13.03	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.84	14.75	15.05	Y	N
4	N N	Column 2	17.07	16.94	17.28		
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-2 (0.5-1)

b Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-2 (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.13	10.07	10.27	Y	N
2		Column 2	13.04	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.86	14.75	15.05	Y	N
4		Column 2	17.09	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-2 (1-2)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-2 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.13	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.09	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	Lab	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

DS-3 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: DS-3 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.14	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.10	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

OF (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: OF (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.12	10.07	10.27	Y	N
2		Column 2	13.13	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.83	14.75	15.05	Y	N
4		Column 2	17.04	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

OF (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: OF (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.14	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.86	14.75	15.05	Y	N
4		Column 2	17.07	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

OF (1-2)

b Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: OF (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.12	10.07	10.27	Y	N
2		Column 2	13.13	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.83	14.75	15.05	Y	N
4		Column 2	17.05	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-1 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-1 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.16	10.07	10.27	Y	N
2		Column 2	13.07	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.89	14.75	15.05	Y	N
4		Column 2	17.12	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-1 (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-1 (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
2		Column 2	17.10	16.94	17.28	N	N
3	_____	Column 1	_____	_____	_____	_	_
4		Column 2	_____	_____	_____	_	_
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-1 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-1 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1254	Column 1	14.89	14.75	15.05	Y	N
2		Column 2	17.12	16.94	17.28	N	N
3	_____	Column 1	_____	_____	_____	_	_
4		Column 2	_____	_____	_____	_	_
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-2 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-2 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.15	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-2 (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-2 (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.16	10.07	10.27	Y	N
2		Column 2	13.07	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.89	14.75	15.05	Y	N
4		Column 2	17.12	16.94	17.28	N	N
5		Column 1					
6		Column 2					
7		Column 1					
8		Column 2					
9		Column 1					
10		Column 2					
11		Column 1					
12		Column 2					

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-2 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-2 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.13	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.87	14.75	15.05	Y	N
4		Column 2	17.09	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-3 (0-0.5)

) Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-3 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.15	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-3 (0.5-1)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-3 (0.5-1)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.15	10.07	10.27	Y	N
2		Column 2	13.06	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-3 (1-2)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-3 (1-2)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.17	10.07	10.27	Y	N
2		Column 2	13.08	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.90	14.75	15.05	Y	N
4		Column 2	17.11	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

10
PCB IDENTIFICATION

EPA SAMPLE NO.

US-4 (0-0.5)

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

GC Column ID (1): DB1701 GC Column ID (2): DB608

Instrument ID (1): VAR1 Instrument ID (2): VAR1

Lab Sample ID: US-4 (0-0.5)

Lab File ID: (only if confirmed by GC/MS)

	PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
1	Arochlor-1248	Column 1	10.15	10.07	10.27	Y	N
2		Column 2	13.05	12.95	13.21	N	N
3	Arochlor-1254	Column 1	14.88	14.75	15.05	Y	N
4		Column 2	17.10	16.94	17.28	N	N
5	_____	Column 1	_____	_____	_____	_	_
6		Column 2	_____	_____	_____	_	_
7	_____	Column 1	_____	_____	_____	_	_
8		Column 2	_____	_____	_____	_	_
9	_____	Column 1	_____	_____	_____	_	_
10		Column 2	_____	_____	_____	_	_
11	_____	Column 1	_____	_____	_____	_	_
12		Column 2	_____	_____	_____	_	_

Comments:

AR1016 VAR-1

DB1701 11/7/02

6 POINT CALIBRATION

RT	UG/ML	TOTAL AREA	CAL FACTOR
6.85	0.05	387.69	5169.20
to	0.10	891.94	5946.27
8.23 REF	0.25	1949.46	5198.56
to	0.50	3818.93	5091.91
11.50	1.00	7555.55	5037.03
	2.00	14672.97	4890.99

MEAN = 5222.33

SD = 371.11

%RSD = 7.11

AR1260 VAR-1

DB1701 11/7/02

6 POINT CALIBRATION

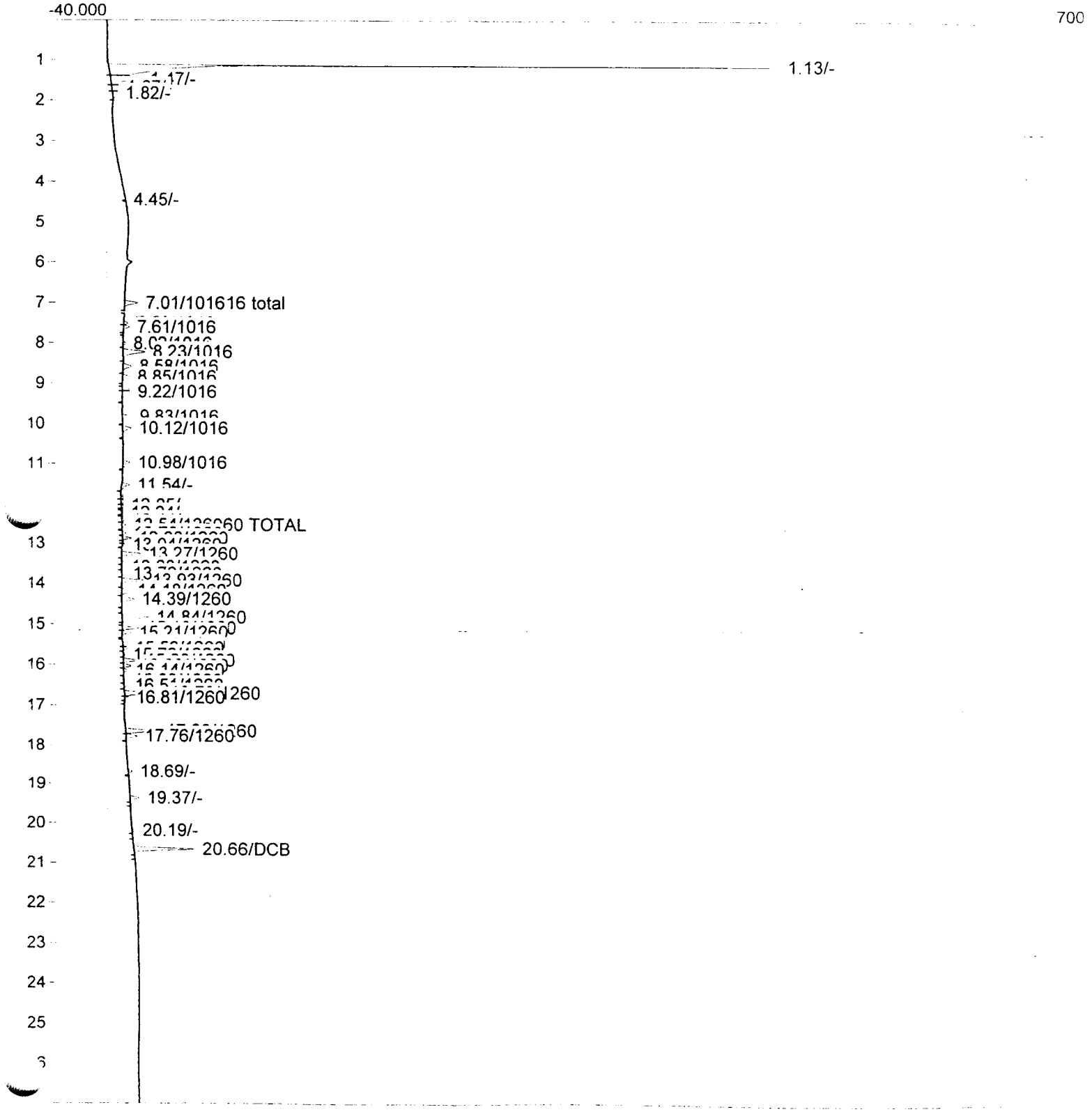
RT	UG/ML	TOTAL AREA	CAL FACTOR
12.50	0.05	795.46	10606.13
to	0.10	1514.85	10099.00
16.70 REF	0.25	3435.79	9162.11
to	0.50	6803.63	9071.51
18.30	1.00	13654.67	9103.11
	2.00	26468.69	8822.90

MEAN = 9477.46

SD = 706.12

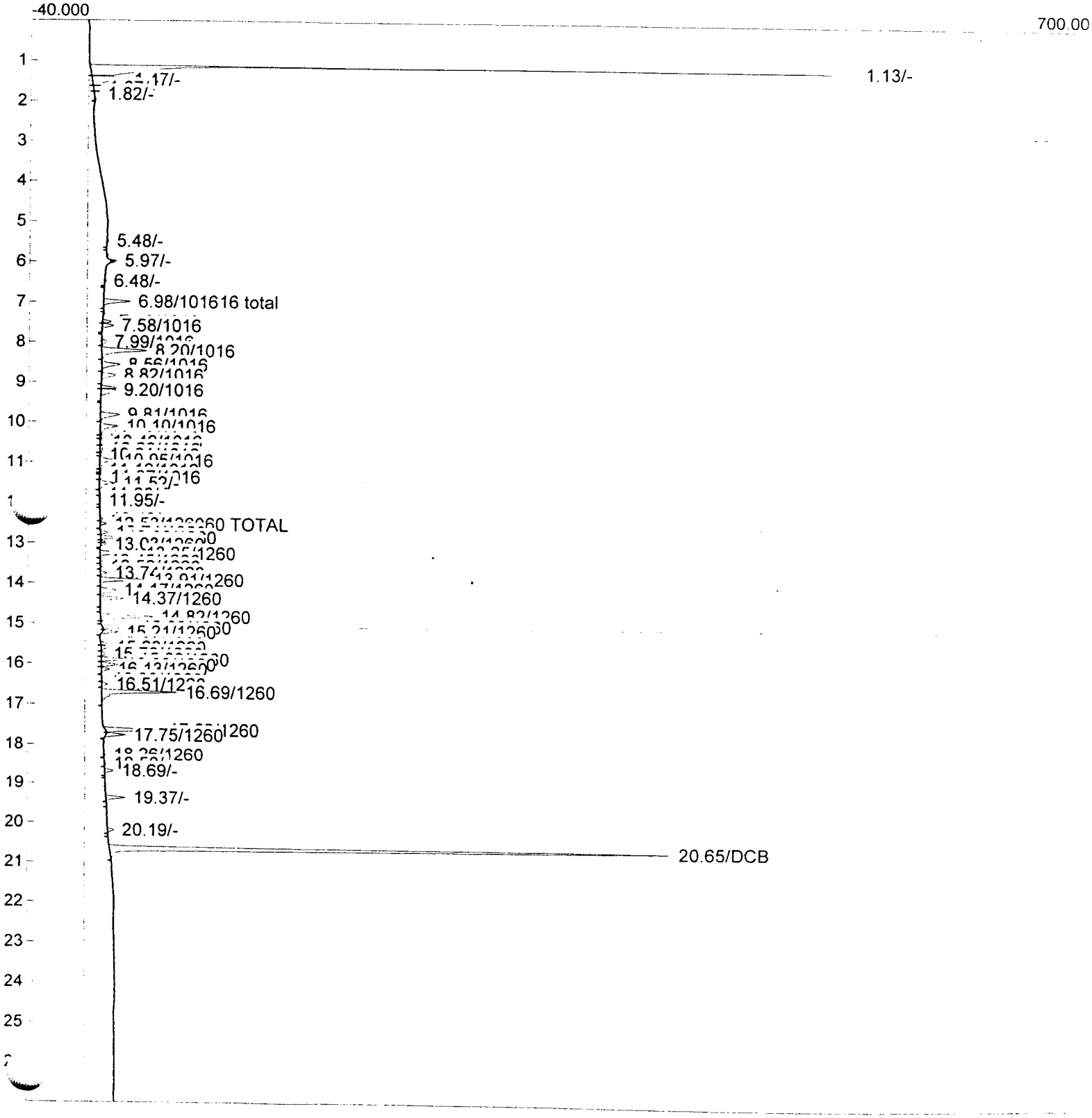
%RSD = 7.45

Lab name: AES
Analysis date: 11/07/2002 02:11:06
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B748.chr ()
Sample: 1660 0.05
Operator: KEN FULLER



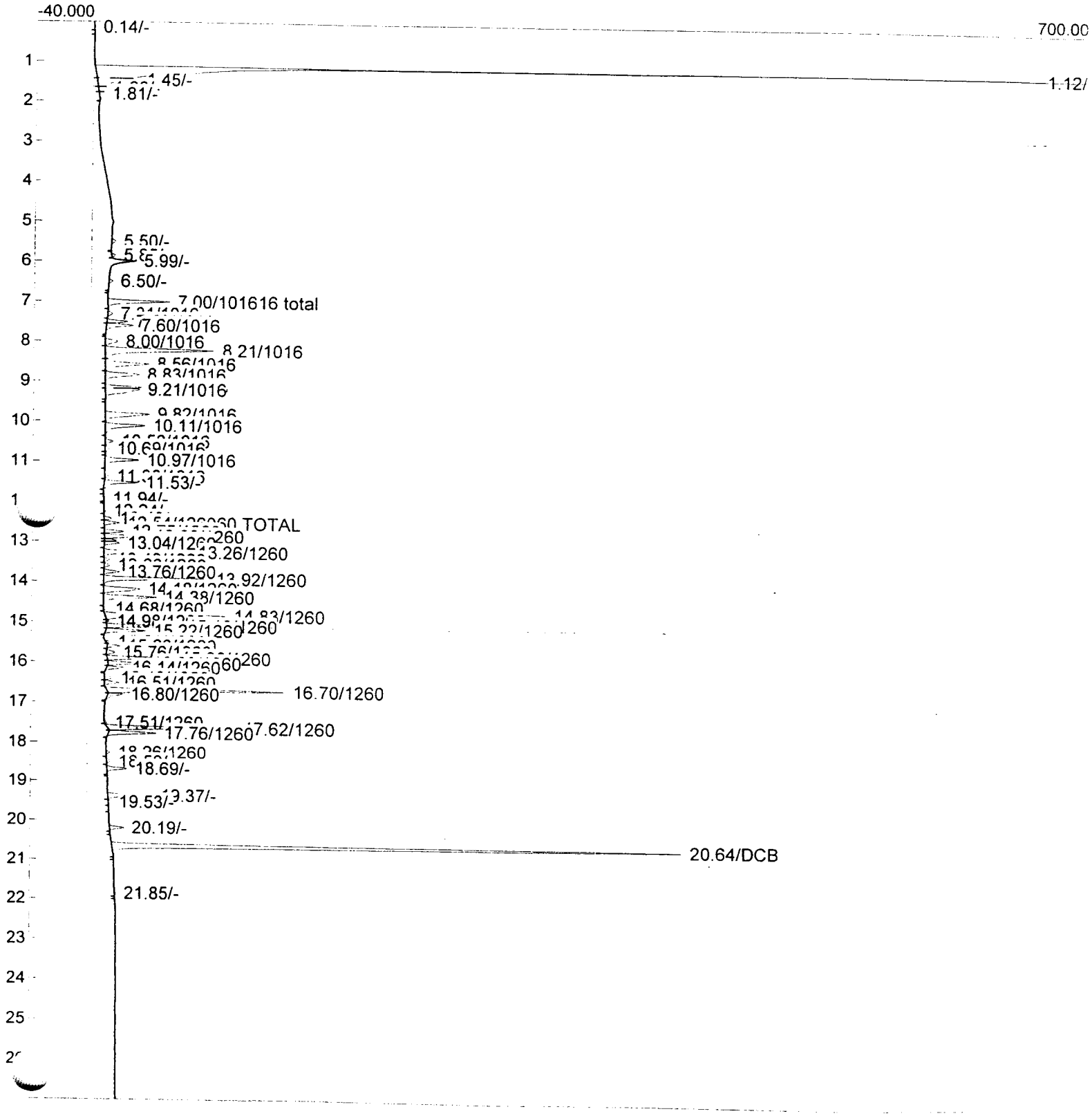
Retention	Area	Number	External	Component	Column	Sample
1.13	970.33	0	0.0000 -		DB1701	1660 0.05
1.47	177.64	0	0.0000 -		DB1701	1660 0.05
1.67	39.99	0	0.0000 -		DB1701	1660 0.05
1.82	25.22	0	0.0000 -		DB1701	1660 0.05
1.45	5.21	0	0.0000 -		DB1701	1660 0.05
7.01	44.86	1	0.0000 1016		DB1701	1660 0.05
7.01	387.69	2	0.0508	1016 total	DB1701	1660 0.05
7.52	11.54	1	0.0000 1016		DB1701	1660 0.05
7.61	18.57	1	0.0000 1016		DB1701	1660 0.05
8.02	10.14	1	0.0000 1016		DB1701	1660 0.05
8.23	91.89	1	0.0000 1016		DB1701	1660 0.05
8.58	34.60	1	0.0000 1016		DB1701	1660 0.05
8.85	28.79	1	0.0000 1016		DB1701	1660 0.05
9.17	20.90	1	0.0000 1016		DB1701	1660 0.05
9.22	36.00	1	0.0000 1016		DB1701	1660 0.05
9.83	36.89	1	0.0000 1016		DB1701	1660 0.05
10.12	30.82	1	0.0000 1016		DB1701	1660 0.05
10.98	22.69	1	0.0000 1016		DB1701	1660 0.05
11.54	28.44	0	0.0000 -		DB1701	1660 0.05
11.88	14.85	0	0.0000 -		DB1701	1660 0.05
11.96	12.87	0	0.0000 -		DB1701	1660 0.05
12.05	7.59	0	0.0000 -		DB1701	1660 0.05
12.24	5.31	0	0.0000 -		DB1701	1660 0.05
12.44	9.75	0	0.0000 -		DB1701	1660 0.05
12.54	795.46	4	0.0585	1260 TOTAL	DB1701	1660 0.05
12.54	12.01	3	0.0000 1260		DB1701	1660 0.05
12.76	10.05	3	0.0000 1260		DB1701	1660 0.05
12.88	20.57	3	0.0000 1260		DB1701	1660 0.05
13.04	6.07	3	0.0000 1260		DB1701	1660 0.05
13.27	51.94	3	0.0000 1260		DB1701	1660 0.05
13.60	5.32	3	0.0000 1260		DB1701	1660 0.05
13.76	10.40	3	0.0000 1260		DB1701	1660 0.05
13.93	65.22	3	0.0000 1260		DB1701	1660 0.05
14.18	33.18	3	0.0000 1260		DB1701	1660 0.05
14.39	41.31	3	0.0000 1260		DB1701	1660 0.05
14.84	93.20	3	0.0000 1260		DB1701	1660 0.05
15.10	41.26	3	0.0000 1260		DB1701	1660 0.05
15.21	24.61	3	0.0000 1260		DB1701	1660 0.05
15.50	20.87	3	0.0000 1260		DB1701	1660 0.05
15.59	12.53	3	0.0000 1260		DB1701	1660 0.05
15.76	6.79	3	0.0000 1260		DB1701	1660 0.05
15.90	38.00	3	0.0000 1260		DB1701	1660 0.05
16.03	22.59	3	0.0000 1260		DB1701	1660 0.05
16.14	11.99	3	0.0000 1260		DB1701	1660 0.05
16.39	6.91	3	0.0000 1260		DB1701	1660 0.05
16.51	8.95	3	0.0000 1260		DB1701	1660 0.05
16.70	106.78	3	0.0000 1260		DB1701	1660 0.05
16.81	9.60	3	0.0000 1260		DB1701	1660 0.05
17.63	100.26	3	0.0000 1260		DB1701	1660 0.05
17.76	35.06	3	0.0000 1260		DB1701	1660 0.05
18.69	11.98	0	0.0000 -		DB1701	1660 0.05
19.37	27.67	0	0.0000 -		DB1701	1660 0.05
20.19	8.51	0	0.0000 -		DB1701	1660 0.05
20.66	174.44	5	10.8546	DCB 0.00	DB1701	1660 0.05
	3886.09	54	10.9638			

Lab name: AES
Analysis date: 11/07/2002 02:43:05
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B749.chr ()
Sample: 1660 0.1
Operator: KEN FULLER



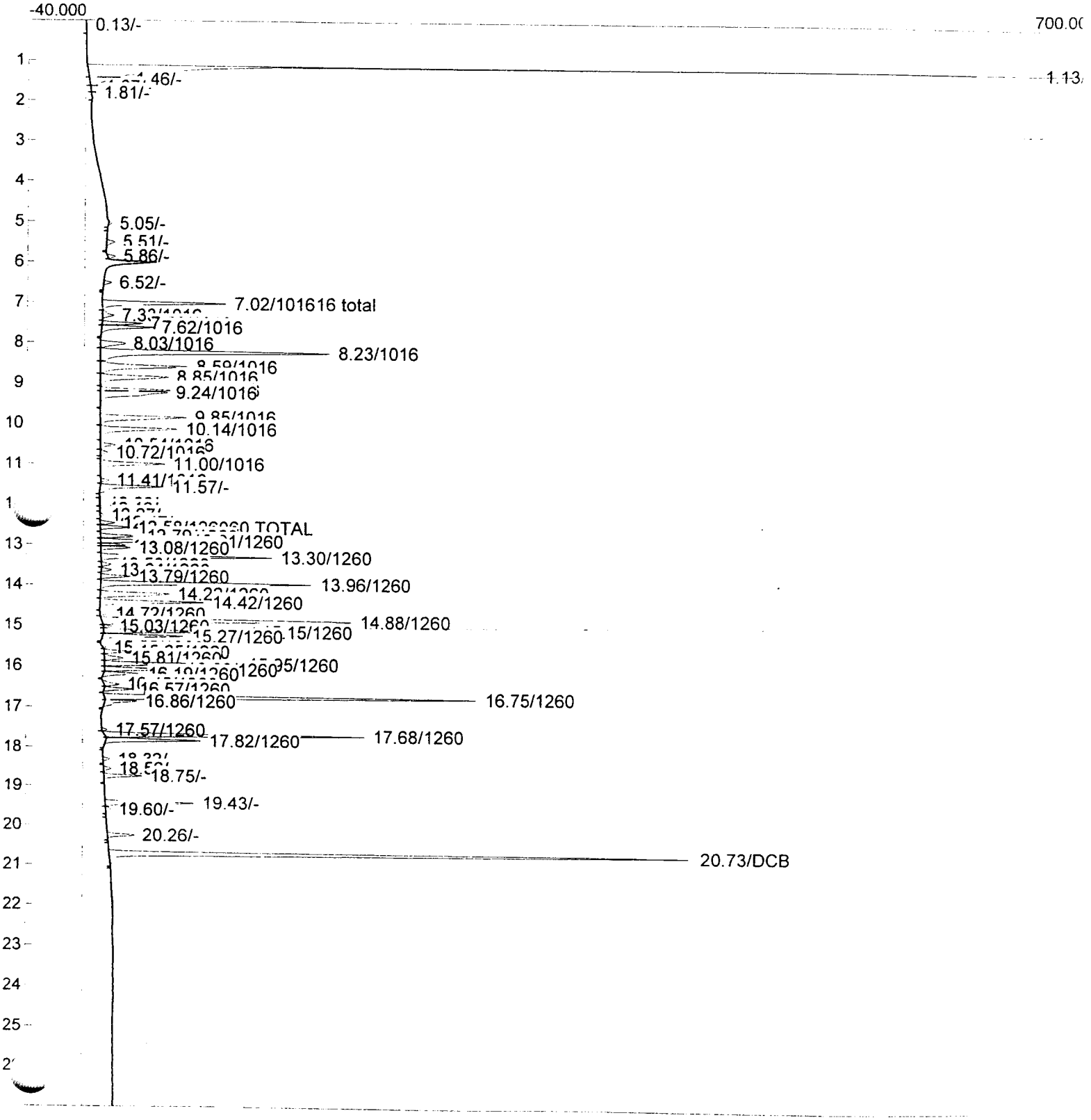
Retention	Area	Number	External	Component	Column		Sample
1.13	1068.51	0	0.0000 -		DB1701	1660 0.1	B749
1.47	193.53	0	0.0000 -		DB1701	1660 0.1	B749
1.67	39.89	0	0.0000 -		DB1701	1660 0.1	B749
[illegible]2	31.77	0	0.0000 -		DB1701	1660 0.1	B749
[illegible]3	7.57	0	0.0000 -		DB1701	1660 0.1	B749
[illegible]97	8.69	0	0.0000 -		DB1701	1660 0.1	B749
6.48	5.23	0	0.0000 -		DB1701	1660 0.1	B749
6.98	891.94	2	0.1168	1016 total	DB1701	1660 0.1	B749
6.98	86.52	1	0.0000	1016	DB1701	1660 0.1	B749
7.49	23.12	1	0.0000	1016	DB1701	1660 0.1	B749
7.58	37.71	1	0.0000	1016	DB1701	1660 0.1	B749
7.99	20.53	1	0.0000	1016	DB1701	1660 0.1	B749
8.20	188.12	1	0.0000	1016	DB1701	1660 0.1	B749
8.56	74.29	1	0.0000	1016	DB1701	1660 0.1	B749
8.82	57.05	1	0.0000	1016	DB1701	1660 0.1	B749
9.14	38.28	1	0.0000	1016	DB1701	1660 0.1	B749
9.20	71.88	1	0.0000	1016	DB1701	1660 0.1	B749
9.81	80.52	1	0.0000	1016	DB1701	1660 0.1	B749
10.10	76.54	1	0.0000	1016	DB1701	1660 0.1	B749
10.40	5.95	1	0.0000	1016	DB1701	1660 0.1	B749
10.49	20.09	1	0.0000	1016	DB1701	1660 0.1	B749
10.68	16.86	1	0.0000	1016	DB1701	1660 0.1	B749
10.81	5.51	1	0.0000	1016	DB1701	1660 0.1	B749
10.95	70.97	1	0.0000	1016	DB1701	1660 0.1	B749
11.19	5.04	1	0.0000	1016	DB1701	1660 0.1	B749
11.37	12.99	1	0.0000	1016	DB1701	1660 0.1	B749
11.52	56.89	0	0.0000 -		DB1701	1660 0.1	B749
11.80	5.50	0	0.0000 -		DB1701	1660 0.1	B749
11.95	9.78	0	0.0000 -		DB1701	1660 0.1	B749
12.42	7.17	0	0.0000 -		DB1701	1660 0.1	B749
12.53	16.18	3	0.0000	1260	DB1701	1660 0.1	B749
12.53	1514.85	4	0.1113	1260 TOTAL	DB1701	1660 0.1	B749
12.74	19.88	3	0.0000	1260	DB1701	1660 0.1	B749
[illegible]86	44.74	3	0.0000	1260	DB1701	1660 0.1	B749
[illegible]7	9.37	3	0.0000	1260	DB1701	1660 0.1	B749
[illegible]03	15.67	3	0.0000	1260	DB1701	1660 0.1	B749
13.25	101.86	3	0.0000	1260	DB1701	1660 0.1	B749
13.45	7.02	3	0.0000	1260	DB1701	1660 0.1	B749
13.59	7.30	3	0.0000	1260	DB1701	1660 0.1	B749
13.74	18.53	3	0.0000	1260	DB1701	1660 0.1	B749
13.91	131.10	3	0.0000	1260	DB1701	1660 0.1	B749
14.17	67.89	3	0.0000	1260	DB1701	1660 0.1	B749
14.37	76.81	3	0.0000	1260	DB1701	1660 0.1	B749
14.82	180.49	3	0.0000	1260	DB1701	1660 0.1	B749
15.09	76.21	3	0.0000	1260	DB1701	1660 0.1	B749
15.21	38.10	3	0.0000	1260	DB1701	1660 0.1	B749
15.50	18.09	3	0.0000	1260	DB1701	1660 0.1	B749
15.60	22.86	3	0.0000	1260	DB1701	1660 0.1	B749
15.76	15.77	3	0.0000	1260	DB1701	1660 0.1	B749
15.89	79.88	3	0.0000	1260	DB1701	1660 0.1	B749
16.02	48.00	3	0.0000	1260	DB1701	1660 0.1	B749
16.13	25.35	3	0.0000	1260	DB1701	1660 0.1	B749
16.39	12.27	3	0.0000	1260	DB1701	1660 0.1	B749
16.51	17.18	3	0.0000	1260	DB1701	1660 0.1	B749
16.69	249.99	3	0.0000	1260	DB1701	1660 0.1	B749
17.62	158.41	3	0.0000	1260	DB1701	1660 0.1	B749
17.75	50.36	3	0.0000	1260	DB1701	1660 0.1	B749
18.26	5.53	3	0.0000	1260	DB1701	1660 0.1	B749
18.50	7.79	0	0.0000 -		DB1701	1660 0.1	B749
18.69	27.64	0	0.0000 -		DB1701	1660 0.1	B749
19.37	56.90	0	0.0000 -		DB1701	1660 0.1	B749
20.19	19.03	0	0.0000 -		DB1701	1660 0.1	B749
20.65	1548.62	5	96.3661	DCB	DB1701	1660 0.1	B749
	7908.10	63	96.5942				

Lab name: AES
Analysis date: 11/07/2002 03:15:03
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B750.chr ()
Sample: 1660 0.25
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column		Sample
0.14	5.38	0	0.0000 -		DB1701	1660 0.25	B75(
1.12	2020.65	0	0.0000 -		DB1701	1660 0.25	B75(
1.45	199.00	0	0.0000 -		DB1701	1660 0.25	B75(
1 66	37.41	0	0.0000 -		DB1701	1660 0.25	B75(
1	29.22	0	0.0000 -		DB1701	1660 0.25	B75(
o0	16.63	0	0.0000 -		DB1701	1660 0.25	B75(
5.85	11.60	0	0.0000 -		DB1701	1660 0.25	B75(
5.99	9.35	0	0.0000 -		DB1701	1660 0.25	B75(
6.50	13.07	0	0.0000 -		DB1701	1660 0.25	B75(
7.00	1949.46	2	0.2552	1016 total	DB1701	1660 0.25	B75(
7.00	191.89	1	0.0000	1016	DB1701	1660 0.25	B75(
7.31	20.39	1	0.0000	1016	DB1701	1660 0.25	B75(
7.50	55.69	1	0.0000	1016	DB1701	1660 0.25	B75(
7.60	88.26	1	0.0000	1016	DB1701	1660 0.25	B75(
8.00	52.36	1	0.0000	1016	DB1701	1660 0.25	B75(
8.21	438.48	1	0.0000	1016	DB1701	1660 0.25	B75(
8.56	186.06	1	0.0000	1016	DB1701	1660 0.25	B75(
8.83	142.51	1	0.0000	1016	DB1701	1660 0.25	B75(
9.15	87.02	1	0.0000	1016	DB1701	1660 0.25	B75(
9.21	170.37	1	0.0000	1016	DB1701	1660 0.25	B75(
9.82	181.21	1	0.0000	1016	DB1701	1660 0.25	B75(
10.11	155.02	1	0.0000	1016	DB1701	1660 0.25	B75(
10.50	32.44	1	0.0000	1016	DB1701	1660 0.25	B75(
10.69	16.96	1	0.0000	1016	DB1701	1660 0.25	B75(
10.97	119.54	1	0.0000	1016	DB1701	1660 0.25	B75(
11.38	11.25	1	0.0000	1016	DB1701	1660 0.25	B75(
11.53	106.77	0	0.0000 -		DB1701	1660 0.25	B75(
11.94	9.71	0	0.0000 -		DB1701	1660 0.25	B75(
12.24	9.43	0	0.0000 -		DB1701	1660 0.25	B75(
12.43	23.64	0	0.0000 -		DB1701	1660 0.25	B75(
12.54	3435.79	4	0.2525	1260 TOTAL	DB1701	1660 0.25	B75(
12.54	44.33	3	0.0000	1260	DB1701	1660 0.25	B75(
12.75	53.77	3	0.0000	1260	DB1701	1660 0.25	B75(
12.88	114.63	3	0.0000	1260	DB1701	1660 0.25	B75(
8	27.45	3	0.0000	1260	DB1701	1660 0.25	B75(
4	41.60	3	0.0000	1260	DB1701	1660 0.25	B75(
13.26	234.72	3	0.0000	1260	DB1701	1660 0.25	B75(
13.46	17.59	3	0.0000	1260	DB1701	1660 0.25	B75(
13.60	17.54	3	0.0000	1260	DB1701	1660 0.25	B75(
13.76	44.06	3	0.0000	1260	DB1701	1660 0.25	B75(
13.92	295.94	3	0.0000	1260	DB1701	1660 0.25	B75(
14.18	150.78	3	0.0000	1260	DB1701	1660 0.25	B75(
14.38	168.72	3	0.0000	1260	DB1701	1660 0.25	B75(
14.68	9.58	3	0.0000	1260	DB1701	1660 0.25	B75(
14.83	412.74	3	0.0000	1260	DB1701	1660 0.25	B75(
14.98	5.37	3	0.0000	1260	DB1701	1660 0.25	B75(
15.10	189.74	3	0.0000	1260	DB1701	1660 0.25	B75(
15.22	106.82	3	0.0000	1260	DB1701	1660 0.25	B75(
15.51	9.15	3	0.0000	1260	DB1701	1660 0.25	B75(
15.60	30.50	3	0.0000	1260	DB1701	1660 0.25	B75(
15.76	27.77	3	0.0000	1260	DB1701	1660 0.25	B75(
15.90	171.70	3	0.0000	1260	DB1701	1660 0.25	B75(
16.03	94.79	3	0.0000	1260	DB1701	1660 0.25	B75(
16.14	45.93	3	0.0000	1260	DB1701	1660 0.25	B75(
16.40	29.98	3	0.0000	1260	DB1701	1660 0.25	B75(
16.51	42.07	3	0.0000	1260	DB1701	1660 0.25	B75(
16.70	488.78	3	0.0000	1260	DB1701	1660 0.25	B75(
16.80	46.06	3	0.0000	1260	DB1701	1660 0.25	B75(
17.51	6.52	3	0.0000	1260	DB1701	1660 0.25	B75(
17.62	361.90	3	0.0000	1260	DB1701	1660 0.25	B75(
17.76	134.72	3	0.0000	1260	DB1701	1660 0.25	B75(
18.26	10.53	3	0.0000	1260	DB1701	1660 0.25	B75(
18.50	14.28	0	0.0000 -		DB1701	1660 0.25	B75(
18.69	58.76	0	0.0000 -		DB1701	1660 0.25	B75(
37	131.06	0	0.0000 -		DB1701	1660 0.25	B75(
3	9.24	0	0.0000 -		DB1701	1660 0.25	B75(
20.19	39.46	0	0.0000 -		DB1701	1660 0.25	B75(
20.64	1556.06	5	96.8291	DCB	DB1701	1660 0.25	B75(
21.85	5.67	0	0.0000 -		DB1701	1660 0.25	B75(
	15076.92	69	97.3368				

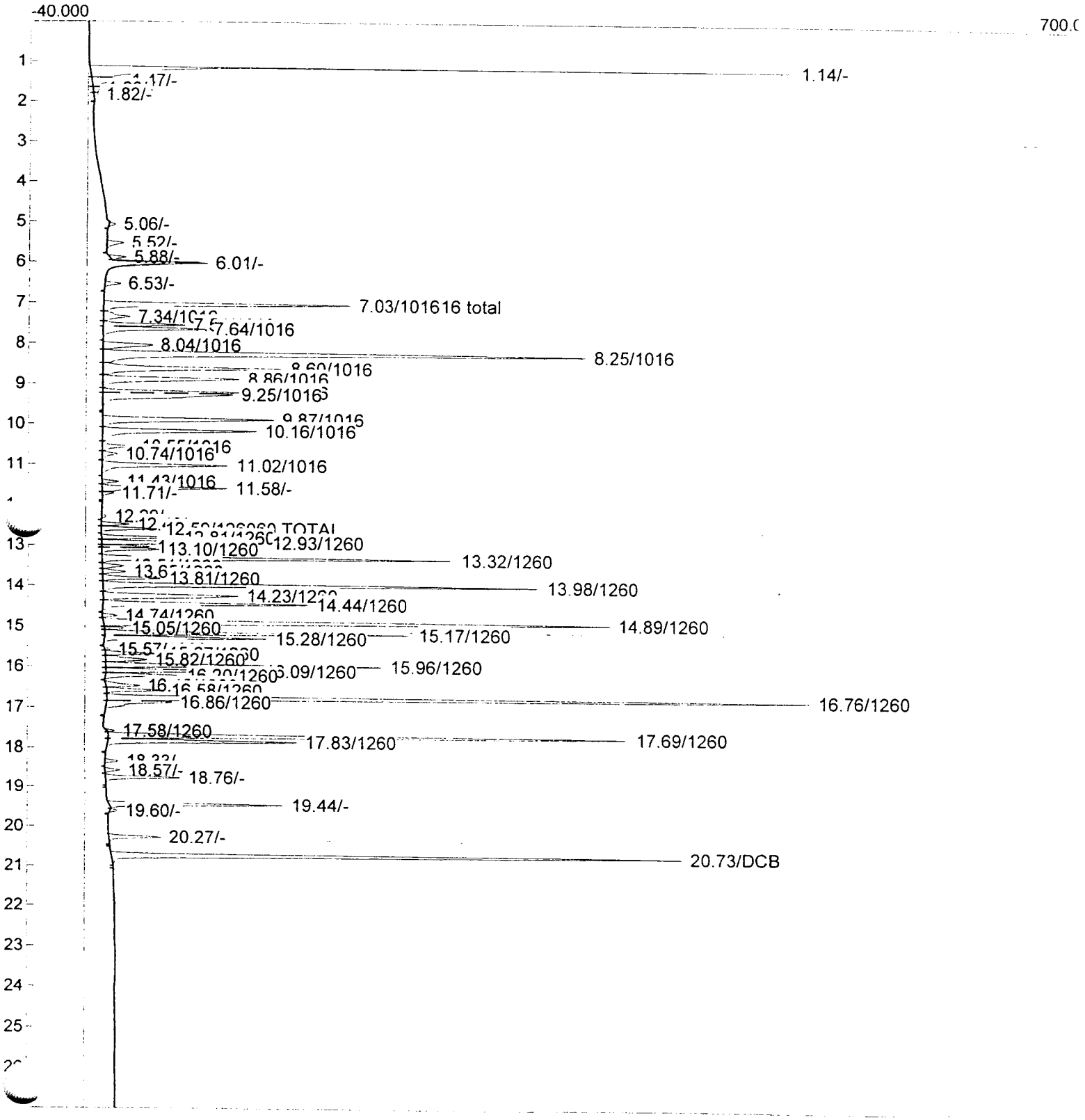
Lab name: AES
Analysis date: 11/07/2002 03:47:03
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B751.CHR ()
Sample: 1660 0.50
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sample
0.13	9.56	0	0.0000 -		DB1701	1660 0.50
1.13	1701.51	0	0.0000 -		DB1701	1660 0.50
1.46	182.96	0	0.0000 -		DB1701	1660 0.50
1.67	40.39	0	0.0000 -		DB1701	1660 0.50
.81	20.43	0	0.0000 -		DB1701	1660 0.50
5.05	8.97	0	0.0000 -		DB1701	1660 0.50
5.51	32.04	0	0.0000 -		DB1701	1660 0.50
5.86	22.29	0	0.0000 -		DB1701	1660 0.50
6.52	24.04	0	0.0000 -		DB1701	1660 0.50
7.02	3818.93	2	0.5000	1016 total	DB1701	1660 0.50
7.02	392.97	1	0.0000	1016	DB1701	1660 0.50
7.33	48.99	1	0.0000	1016	DB1701	1660 0.50
7.53	109.96	1	0.0000	1016	DB1701	1660 0.50
7.62	169.13	1	0.0000	1016	DB1701	1660 0.50
8.03	109.10	1	0.0000	1016	DB1701	1660 0.50
8.23	875.24	1	0.0000	1016	DB1701	1660 0.50
8.59	365.66	1	0.0000	1016	DB1701	1660 0.50
8.85	284.55	1	0.0000	1016	DB1701	1660 0.50
9.18	174.54	1	0.0000	1016	DB1701	1660 0.50
9.24	330.88	1	0.0000	1016	DB1701	1660 0.50
9.85	344.18	1	0.0000	1016	DB1701	1660 0.50
10.14	290.75	1	0.0000	1016	DB1701	1660 0.50
10.54	51.46	1	0.0000	1016	DB1701	1660 0.50
10.72	24.63	1	0.0000	1016	DB1701	1660 0.50
11.00	226.09	1	0.0000	1016	DB1701	1660 0.50
11.41	20.80	1	0.0000	1016	DB1701	1660 0.50
11.57	201.24	0	0.0000 -		DB1701	1660 0.50
12.00	7.27	0	0.0000 -		DB1701	1660 0.50
12.12	6.20	0	0.0000 -		DB1701	1660 0.50
12.27	13.54	0	0.0000 -		DB1701	1660 0.50
12.47	40.75	0	0.0000 -		DB1701	1660 0.50
12.58	6803.63	4	0.5000	1260 TOTAL	DB1701	1660 0.50
12.58	81.26	3	0.0000	1260	DB1701	1660 0.50
12.79	104.58	3	0.0000	1260	DB1701	1660 0.50
.91	222.64	3	0.0000	1260	DB1701	1660 0.50
3.02	58.10	3	0.0000	1260	DB1701	1660 0.50
13.08	84.48	3	0.0000	1260	DB1701	1660 0.50
13.30	450.23	3	0.0000	1260	DB1701	1660 0.50
13.50	28.54	3	0.0000	1260	DB1701	1660 0.50
13.64	27.77	3	0.0000	1260	DB1701	1660 0.50
13.79	79.17	3	0.0000	1260	DB1701	1660 0.50
13.96	572.70	3	0.0000	1260	DB1701	1660 0.50
14.22	281.13	3	0.0000	1260	DB1701	1660 0.50
14.42	316.15	3	0.0000	1260	DB1701	1660 0.50
14.72	20.14	3	0.0000	1260	DB1701	1660 0.50
14.88	831.92	3	0.0000	1260	DB1701	1660 0.50
15.03	20.63	3	0.0000	1260	DB1701	1660 0.50
15.15	386.15	3	0.0000	1260	DB1701	1660 0.50
15.27	216.70	3	0.0000	1260	DB1701	1660 0.50
15.55	6.82	3	0.0000	1260	DB1701	1660 0.50
15.65	69.52	3	0.0000	1260	DB1701	1660 0.50
15.81	67.37	3	0.0000	1260	DB1701	1660 0.50
15.95	346.62	3	0.0000	1260	DB1701	1660 0.50
16.08	201.91	3	0.0000	1260	DB1701	1660 0.50
16.19	102.65	3	0.0000	1260	DB1701	1660 0.50
16.45	48.33	3	0.0000	1260	DB1701	1660 0.50
16.57	72.21	3	0.0000	1260	DB1701	1660 0.50
16.75	995.24	3	0.0000	1260	DB1701	1660 0.50
16.86	107.22	3	0.0000	1260	DB1701	1660 0.50
17.57	14.15	3	0.0000	1260	DB1701	1660 0.50
17.68	712.03	3	0.0000	1260	DB1701	1660 0.50
17.82	277.25	3	0.0000	1260	DB1701	1660 0.50
18.32	19.08	0	0.0000 -		DB1701	1660 0.50
18.56	25.51	0	0.0000 -		DB1701	1660 0.50
.75	109.47	0	0.0000 -		DB1701	1660 0.50
9.43	256.07	0	0.0000 -		DB1701	1660 0.50
19.60	18.57	0	0.0000 -		DB1701	1660 0.50
20.26	77.01	0	0.0000 -		DB1701	1660 0.50
20.73	1607.02	5	100.0000	DCB	DB1701	1660 0.50
	25669.05	69	101.0000			

260

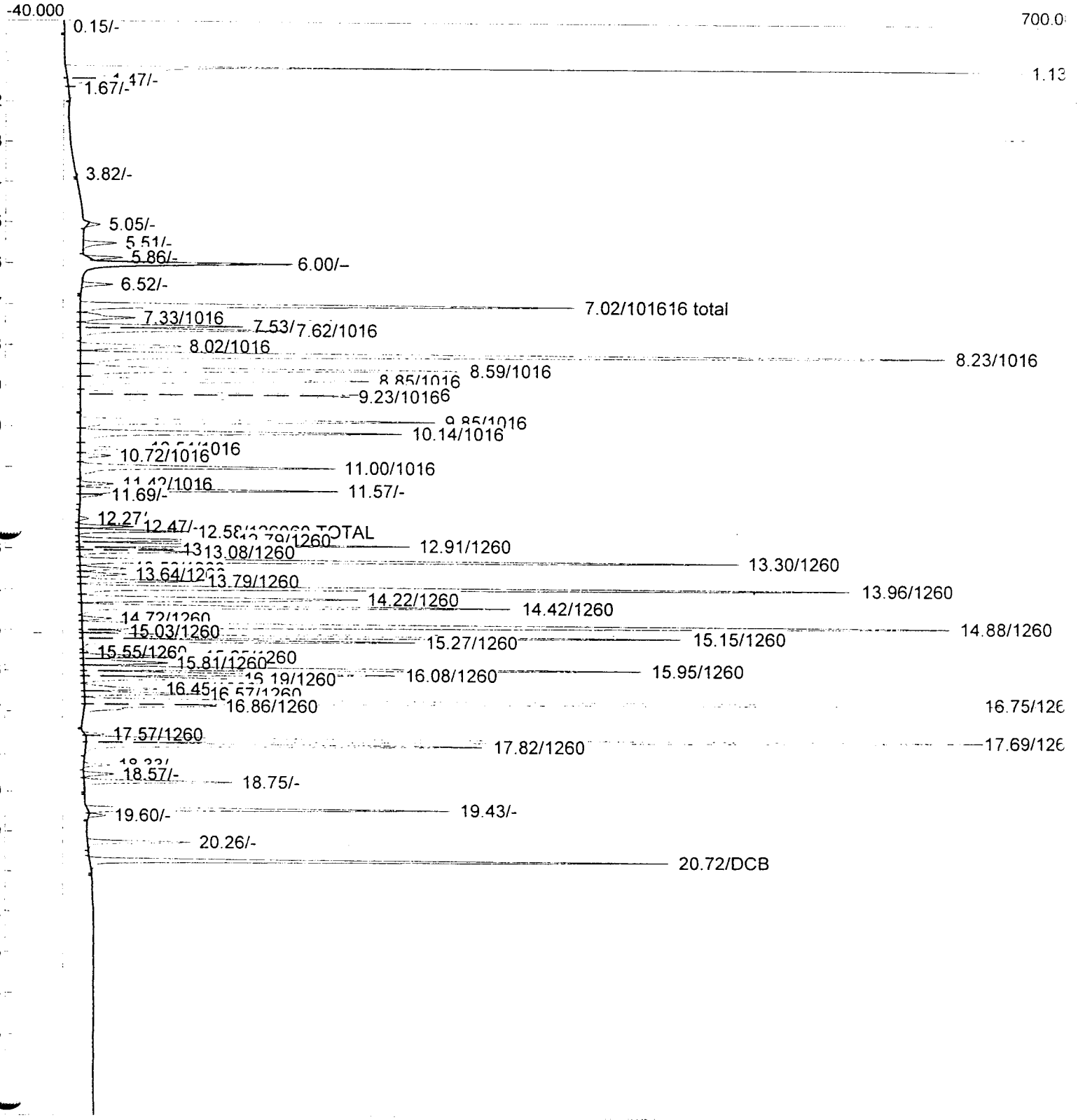
Lab name: AES
Analysis date: 11/07/2002 04:19:01
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B752.chr ()
Sample: 1660 1.0
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column		Sample
1.14	1051.31	0	0.0000 -		DB1701	1660 1.0	B75
1.47	183.63	0	0.0000 -		DB1701	1660 1.0	B75
1.68	36.25	0	0.0000 -		DB1701	1660 1.0	B75
1.82	24.44	0	0.0000 -		DB1701	1660 1.0	B75
5.06	20.11	0	0.0000 -		DB1701	1660 1.0	B75
5.52	64.67	0	0.0000 -		DB1701	1660 1.0	B75
5.88	46.23	0	0.0000 -		DB1701	1660 1.0	B75
6.01	36.52	0	0.0000 -		DB1701	1660 1.0	B75
6.53	46.23	0	0.0000 -		DB1701	1660 1.0	B75
7.03	7555.55	2	0.9892	1016 total	DB1701	1660 1.0	B75
7.03	772.48	1	0.0000	1016	DB1701	1660 1.0	B75
7.34	123.08	1	0.0000	1016	DB1701	1660 1.0	B75
7.54	225.67	1	0.0000	1016	DB1701	1660 1.0	B75
7.64	339.87	1	0.0000	1016	DB1701	1660 1.0	B75
8.04	214.13	1	0.0000	1016	DB1701	1660 1.0	B75
8.25	1746.90	1	0.0000	1016	DB1701	1660 1.0	B75
8.60	708.03	1	0.0000	1016	DB1701	1660 1.0	B75
8.86	558.02	1	0.0000	1016	DB1701	1660 1.0	B75
9.20	332.78	1	0.0000	1016	DB1701	1660 1.0	B75
9.25	641.02	1	0.0000	1016	DB1701	1660 1.0	B75
9.87	666.76	1	0.0000	1016	DB1701	1660 1.0	B75
10.16	576.25	1	0.0000	1016	DB1701	1660 1.0	B75
10.55	111.32	1	0.0000	1016	DB1701	1660 1.0	B75
10.74	59.71	1	0.0000	1016	DB1701	1660 1.0	B75
11.02	435.26	1	0.0000	1016	DB1701	1660 1.0	B75
11.43	44.28	1	0.0000	1016	DB1701	1660 1.0	B75
11.58	361.60	0	0.0000 -		DB1701	1660 1.0	B75
11.71	31.90	0	0.0000 -		DB1701	1660 1.0	B75
12.29	14.08	0	0.0000 -		DB1701	1660 1.0	B75
12.48	75.62	0	0.0000 -		DB1701	1660 1.0	B75
12.59	13654.67	4	1.0035	1260 TOTAL	DB1701	1660 1.0	B75
12.59	151.56	3	0.0000	1260	DB1701	1660 1.0	B75
12.81	201.67	3	0.0000	1260	DB1701	1660 1.0	B75
12.93	428.92	3	0.0000	1260	DB1701	1660 1.0	B75
13.04	112.39	3	0.0000	1260	DB1701	1660 1.0	B75
13.10	164.56	3	0.0000	1260	DB1701	1660 1.0	B75
13.32	894.44	3	0.0000	1260	DB1701	1660 1.0	B75
13.51	69.93	3	0.0000	1260	DB1701	1660 1.0	B75
13.65	67.95	3	0.0000	1260	DB1701	1660 1.0	B75
13.81	165.36	3	0.0000	1260	DB1701	1660 1.0	B75
13.98	1151.65	3	0.0000	1260	DB1701	1660 1.0	B75
14.23	546.99	3	0.0000	1260	DB1701	1660 1.0	B75
14.44	619.71	3	0.0000	1260	DB1701	1660 1.0	B75
14.74	38.38	3	0.0000	1260	DB1701	1660 1.0	B75
14.89	1675.44	3	0.0000	1260	DB1701	1660 1.0	B75
15.05	51.91	3	0.0000	1260	DB1701	1660 1.0	B75
15.17	786.49	3	0.0000	1260	DB1701	1660 1.0	B75
15.28	439.56	3	0.0000	1260	DB1701	1660 1.0	B75
15.57	12.33	3	0.0000	1260	DB1701	1660 1.0	B75
15.67	140.71	3	0.0000	1260	DB1701	1660 1.0	B75
15.82	162.55	3	0.0000	1260	DB1701	1660 1.0	B75
15.96	712.00	3	0.0000	1260	DB1701	1660 1.0	B75
16.09	414.80	3	0.0000	1260	DB1701	1660 1.0	B75
16.20	214.88	3	0.0000	1260	DB1701	1660 1.0	B75
16.46	115.03	3	0.0000	1260	DB1701	1660 1.0	B75
16.58	155.89	3	0.0000	1260	DB1701	1660 1.0	B75
16.76	1941.18	3	0.0000	1260	DB1701	1660 1.0	B75
16.86	241.29	3	0.0000	1260	DB1701	1660 1.0	B75
17.58	16.66	3	0.0000	1260	DB1701	1660 1.0	B75
17.69	1407.06	3	0.0000	1260	DB1701	1660 1.0	B75
17.83	553.37	3	0.0000	1260	DB1701	1660 1.0	B75
18.33	37.89	0	0.0000 -		DB1701	1660 1.0	B75
18.57	48.31	0	0.0000 -		DB1701	1660 1.0	B75
18.76	213.93	0	0.0000 -		DB1701	1660 1.0	B75
19.44	479.15	0	0.0000 -		DB1701	1660 1.0	B75
19.60	18.38	0	0.0000 -		DB1701	1660 1.0	B75
20.27	149.65	0	0.0000 -		DB1701	1660 1.0	B75
20.73	1566.02	5	97.4484	DCB	DB1701	1660 1.0	B75
	46926.37	68	99.4412				

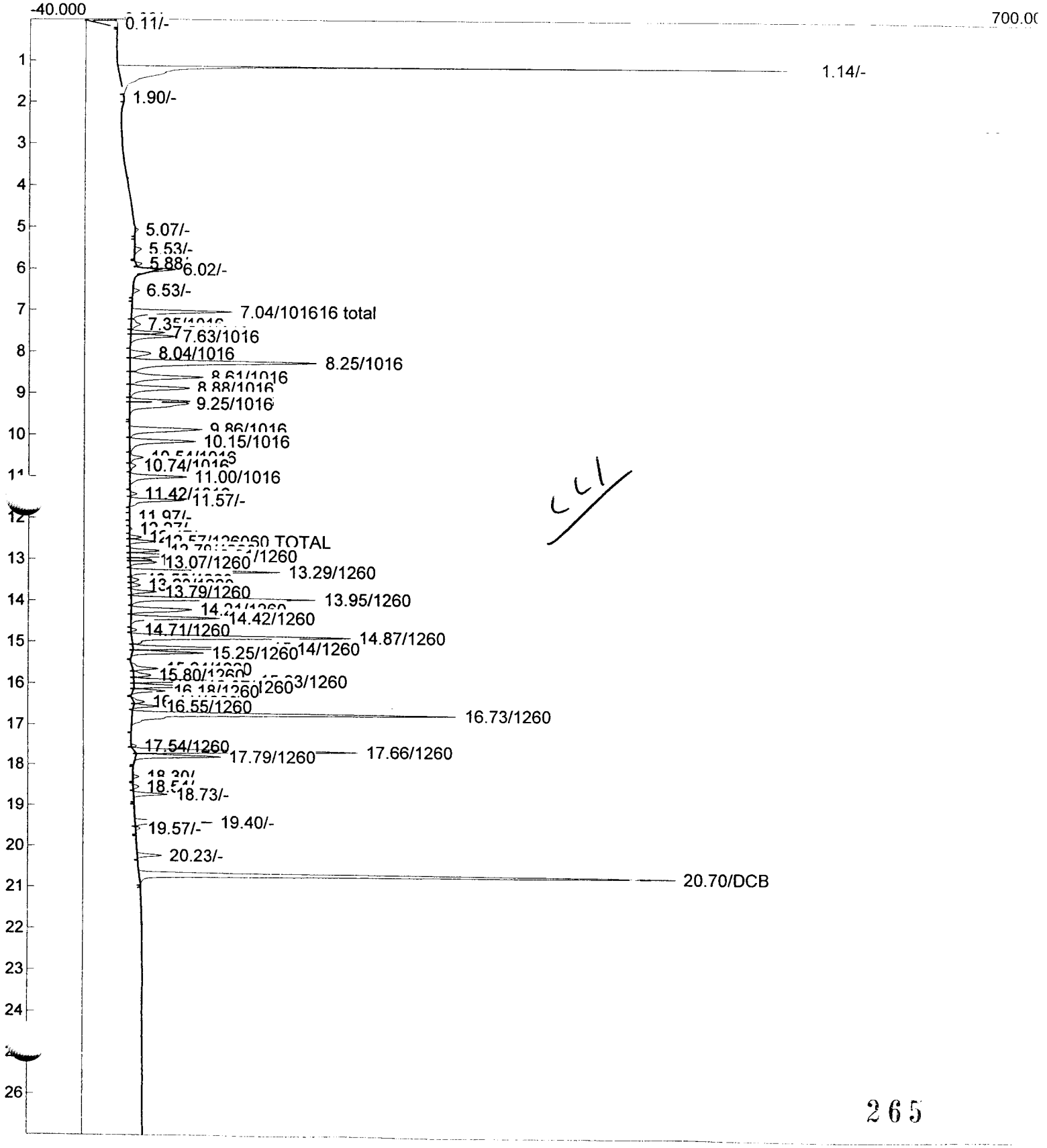
0.3

Lab name: AES
Analysis date: 11/07/2002 04:51:02
Method: 3.0 split
Description: VARIAN 1 ECD 1701
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B753.chr ()
Sample: 1660 2.0
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.15	5.01	0	0.0000 -		DB1701	1660 2.0
1.13	1543.78	0	0.0000 -		DB1701	1660 2.0
1.47	173.88	0	0.0000 -		DB1701	1660 2.0
1.67	61.39	0	0.0000 -		DB1701	1660 2.0
1.82	6.06	0	0.0000 -		DB1701	1660 2.0
5.05	34.03	0	0.0000 -		DB1701	1660 2.0
5.51	127.91	0	0.0000 -		DB1701	1660 2.0
5.86	91.81	0	0.0000 -		DB1701	1660 2.0
5.99	34.58	0	0.0000 -		DB1701	1660 2.0
6.00	10.04	0	0.0000 -		DB1701	1660 2.0
6.52	89.92	0	0.0000 -		DB1701	1660 2.0
7.02	14672.97	2	1.9211	1016 total	DB1701	1660 2.0
7.02	1511.80	1	0.0000	1016	DB1701	1660 2.0
7.33	235.78	1	0.0000	1016	DB1701	1660 2.0
7.53	435.31	1	0.0000	1016	DB1701	1660 2.0
7.62	646.41	1	0.0000	1016	DB1701	1660 2.0
8.02	419.46	1	0.0000	1016	DB1701	1660 2.0
8.23	3213.31	1	0.0000	1016	DB1701	1660 2.0
8.59	1405.99	1	0.0000	1016	DB1701	1660 2.0
8.85	1107.54	1	0.0000	1016	DB1701	1660 2.0
9.18	679.64	1	0.0000	1016	DB1701	1660 2.0
9.23	1246.44	1	0.0000	1016	DB1701	1660 2.0
9.85	1331.27	1	0.0000	1016	DB1701	1660 2.0
10.14	1141.94	1	0.0000	1016	DB1701	1660 2.0
10.54	215.42	1	0.0000	1016	DB1701	1660 2.0
10.72	119.73	1	0.0000	1016	DB1701	1660 2.0
11.00	868.54	1	0.0000	1016	DB1701	1660 2.0
11.42	94.39	1	0.0000	1016	DB1701	1660 2.0
11.57	721.30	0	0.0000 -		DB1701	1660 2.0
11.69	59.69	0	0.0000 -		DB1701	1660 2.0
12.27	27.20	0	0.0000 -		DB1701	1660 2.0
12.47	145.73	0	0.0000 -		DB1701	1660 2.0
12.58	26468.69	4	1.9452	1260 TOTAL	DB1701	1660 2.0
12.58	291.49	3	0.0000	1260	DB1701	1660 2.0
12.79	397.68	3	0.0000	1260	DB1701	1660 2.0
12.91	847.62	3	0.0000	1260	DB1701	1660 2.0
13.02	215.31	3	0.0000	1260	DB1701	1660 2.0
13.08	325.42	3	0.0000	1260	DB1701	1660 2.0
13.30	1737.93	3	0.0000	1260	DB1701	1660 2.0
13.50	144.25	3	0.0000	1260	DB1701	1660 2.0
13.64	137.75	3	0.0000	1260	DB1701	1660 2.0
13.79	331.15	3	0.0000	1260	DB1701	1660 2.0
13.96	2165.01	3	0.0000	1260	DB1701	1660 2.0
14.22	1096.54	3	0.0000	1260	DB1701	1660 2.0
14.42	1260.79	3	0.0000	1260	DB1701	1660 2.0
14.72	77.02	3	0.0000	1260	DB1701	1660 2.0
14.88	3072.02	3	0.0000	1260	DB1701	1660 2.0
15.03	103.38	3	0.0000	1260	DB1701	1660 2.0
15.15	1565.08	3	0.0000	1260	DB1701	1660 2.0
15.27	893.29	3	0.0000	1260	DB1701	1660 2.0
15.55	13.02	3	0.0000	1260	DB1701	1660 2.0
15.65	310.55	3	0.0000	1260	DB1701	1660 2.0
15.81	340.84	3	0.0000	1260	DB1701	1660 2.0
15.95	1447.75	3	0.0000	1260	DB1701	1660 2.0
16.08	847.76	3	0.0000	1260	DB1701	1660 2.0
16.19	438.33	3	0.0000	1260	DB1701	1660 2.0
16.45	247.58	3	0.0000	1260	DB1701	1660 2.0
16.57	331.27	3	0.0000	1260	DB1701	1660 2.0
16.75	3550.35	3	0.0000	1260	DB1701	1660 2.0
16.86	498.41	3	0.0000	1260	DB1701	1660 2.0
17.57	42.44	3	0.0000	1260	DB1701	1660 2.0
17.69	2610.19	3	0.0000	1260	DB1701	1660 2.0
17.82	1128.47	3	0.0000	1260	DB1701	1660 2.0
18.33	71.36	0	0.0000 -		DB1701	1660 2.0
18.57	96.47	0	0.0000 -		DB1701	1660 2.0
18.75	423.07	0	0.0000 -		DB1701	1660 2.0
19.43	976.61	0	0.0000 -		DB1701	1660 2.0
19.60	50.36	0	0.0000 -		DB1701	1660 2.0
20.26	294.70	0	0.0000 -		DB1701	1660 2.0
20.72	1586.21	5	98.7048	DCB	DB1701	1660 2.0
	88914.44	70	102.5711			

Lab name: AES
Analysis date: 11/16/2002 05:37:47
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b920.CHR ()
Sample: 1660 0.5
Operator: KEN FULLER



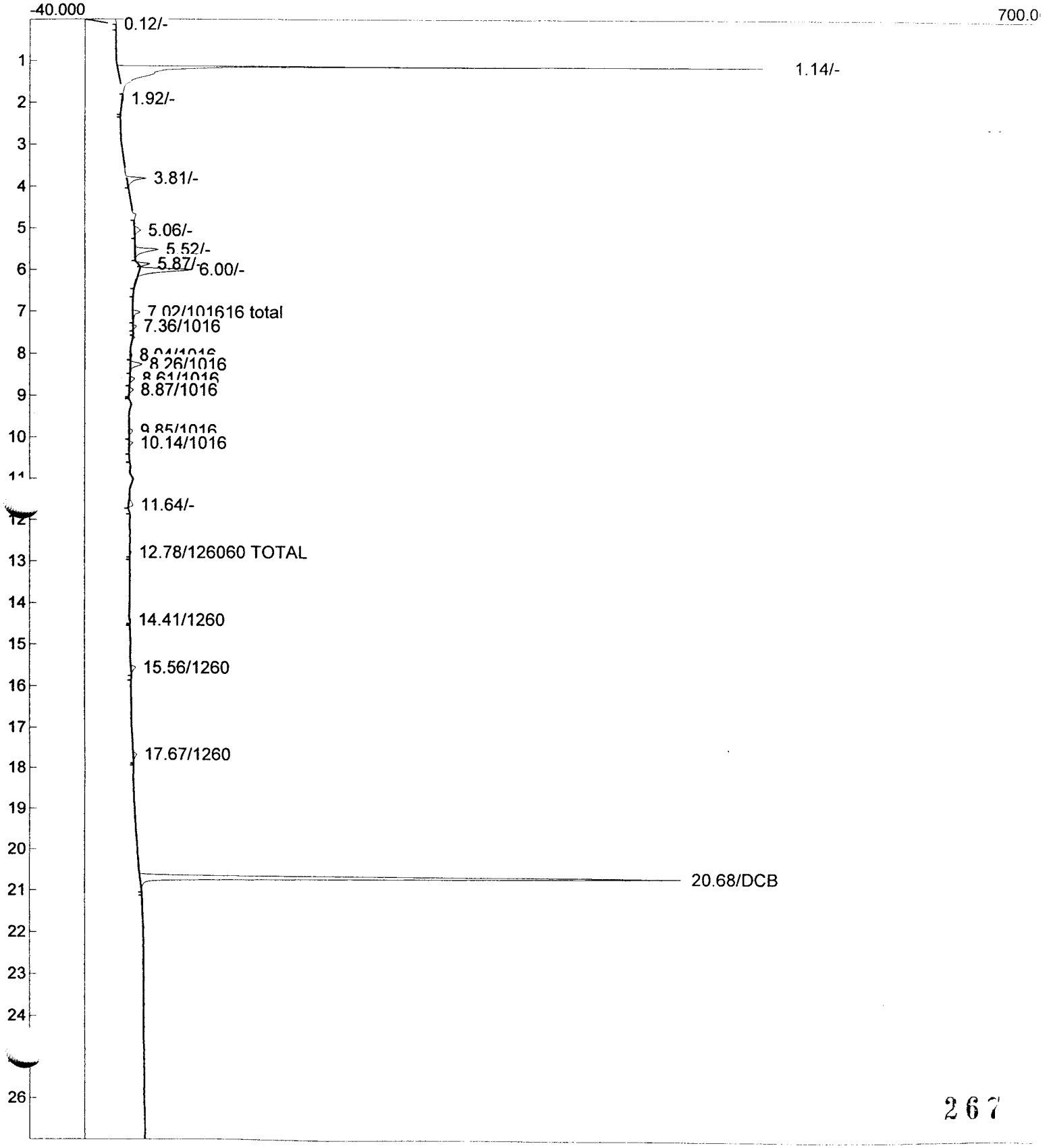
CCl

Retention	Area	Number	External	Component	Column	
0.00	0.00	6	0.0000	TCMX	DB1701	1660 0.5
7.04	366.29	1	0.0000	1016	DB1701	1660 0.5
7.04	3694.18	2	0.4716	1016 total	DB1701	1660 0.5
7.35	56.71	1	0.0000	1016	DB1701	1660 0.5
7.54	100.40	1	0.0000	1016	DB1701	1660 0.5
7.63	171.57	1	0.0000	1016	DB1701	1660 0.5
8.04	102.38	1	0.0000	1016	DB1701	1660 0.5
8.25	834.17	1	0.0000	1016	DB1701	1660 0.5
8.61	359.77	1	0.0000	1016	DB1701	1660 0.5
8.88	281.80	1	0.0000	1016	DB1701	1660 0.5
9.19	155.61	1	0.0000	1016	DB1701	1660 0.5
9.25	331.81	1	0.0000	1016	DB1701	1660 0.5
9.86	327.60	1	0.0000	1016	DB1701	1660 0.5
10.15	281.13	1	0.0000	1016	DB1701	1660 0.5
10.54	56.22	1	0.0000	1016	DB1701	1660 0.5
10.74	29.89	1	0.0000	1016	DB1701	1660 0.5
11.00	220.25	1	0.0000	1016	DB1701	1660 0.5
11.42	18.56	1	0.0000	1016	DB1701	1660 0.5
12.57	6477.32	4	0.4556	1260 TOTAL	DB1701	1660 0.5
12.57	77.58	3	0.0000	1260	DB1701	1660 0.5
12.79	94.18	3	0.0000	1260	DB1701	1660 0.5
12.91	211.44	3	0.0000	1260	DB1701	1660 0.5
13.02	53.36	3	0.0000	1260	DB1701	1660 0.5
13.07	82.66	3	0.0000	1260	DB1701	1660 0.5
13.29	426.59	3	0.0000	1260	DB1701	1660 0.5
13.50	28.69	3	0.0000	1260	DB1701	1660 0.5
13.63	29.98	3	0.0000	1260	DB1701	1660 0.5
13.79	74.41	3	0.0000	1260	DB1701	1660 0.5
13.95	536.60	3	0.0000	1260	DB1701	1660 0.5
14.21	262.01	3	0.0000	1260	DB1701	1660 0.5
14.42	294.80	3	0.0000	1260	DB1701	1660 0.5
14.71	16.30	3	0.0000	1260	DB1701	1660 0.5
14.87	809.29	3	0.0000	1260	DB1701	1660 0.5
15.14	367.85	3	0.0000	1260	DB1701	1660 0.5
15.25	212.97	3	0.0000	1260	DB1701	1660 0.5
15.64	87.36	3	0.0000	1260	DB1701	1660 0.5
15.80	65.84	3	0.0000	1260	DB1701	1660 0.5
15.93	328.01	3	0.0000	1260	DB1701	1660 0.5
16.07	192.97	3	0.0000	1260	DB1701	1660 0.5
16.18	96.98	3	0.0000	1260	DB1701	1660 0.5
16.44	39.46	3	0.0000	1260	DB1701	1660 0.5
16.55	70.46	3	0.0000	1260	DB1701	1660 0.5
16.73	1069.12	3	0.0000	1260	DB1701	1660 0.5
17.54	13.56	3	0.0000	1260	DB1701	1660 0.5
17.66	664.47	3	0.0000	1260	DB1701	1660 0.5
17.79	270.40	3	0.0000	1260	DB1701	1660 0.5
20.70	1549.16	5	98.1848	DCB	DB1701	1660 0.5
	21892.16	46	99.1120			

1744.59
MS
MSD

2088.01

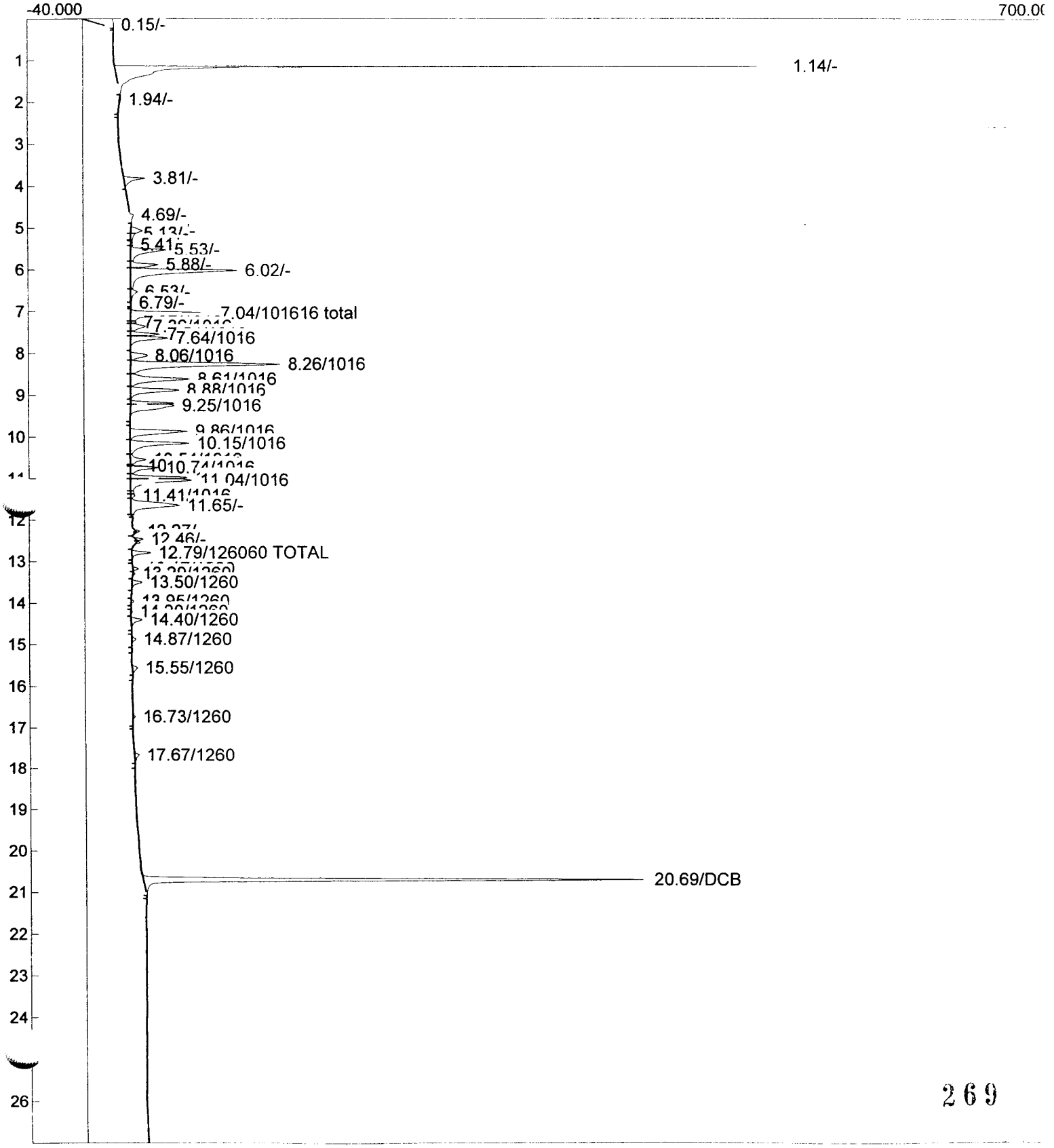
Lab name: AES
Analysis date: 11/16/2002 06:20:44
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b921.chr ()
Sample: 1221 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column
0.12	90.07	0	0.0000 -	DB1701	1221 0.5
1.14	1061.17	0	0.0000 -	DB1701	1221 0.5
1.92	10.30	0	0.0000 -	DB1701	1221 0.5
3.81	56.87	0	0.0000 -	DB1701	1221 0.5
1.00	0.00	6	0.0000 TCMX	DB1701	1221 0.5
5.06	32.87	0	0.0000 -	DB1701	1221 0.5
5.52	104.95	0	0.0000 -	DB1701	1221 0.5
5.87	33.47	0	0.0000 -	DB1701	1221 0.5
6.00	206.43	0	0.0000 -	DB1701	1221 0.5
7.02	183.66	2	0.0234 1016 total	DB1701	1221 0.5
7.02	33.99	1	0.0000 1016	DB1701	1221 0.5
7.36	12.57	1	0.0000 1016	DB1701	1221 0.5
8.04	8.47	1	0.0000 1016	DB1701	1221 0.5
8.26	55.49	1	0.0000 1016	DB1701	1221 0.5
8.61	22.36	1	0.0000 1016	DB1701	1221 0.5
8.87	17.24	1	0.0000 1016	DB1701	1221 0.5
9.85	17.46	1	0.0000 1016	DB1701	1221 0.5
10.14	16.08	1	0.0000 1016	DB1701	1221 0.5
11.64	25.81	0	0.0000 -	DB1701	1221 0.5
12.78	5.56	3	0.0000 1260	DB1701	1221 0.5
12.78	55.58	4	0.0039 1260 TOTAL	DB1701	1221 0.5
14.41	5.17	3	0.0000 1260	DB1701	1221 0.5
15.56	24.41	3	0.0000 1260	DB1701	1221 0.5
17.67	20.43	3	0.0000 1260	DB1701	1221 0.5
20.68	1560.75	5	98.9195 DCB	DB1701	1221 0.5
	3661.17	24	98.9469		

561.38

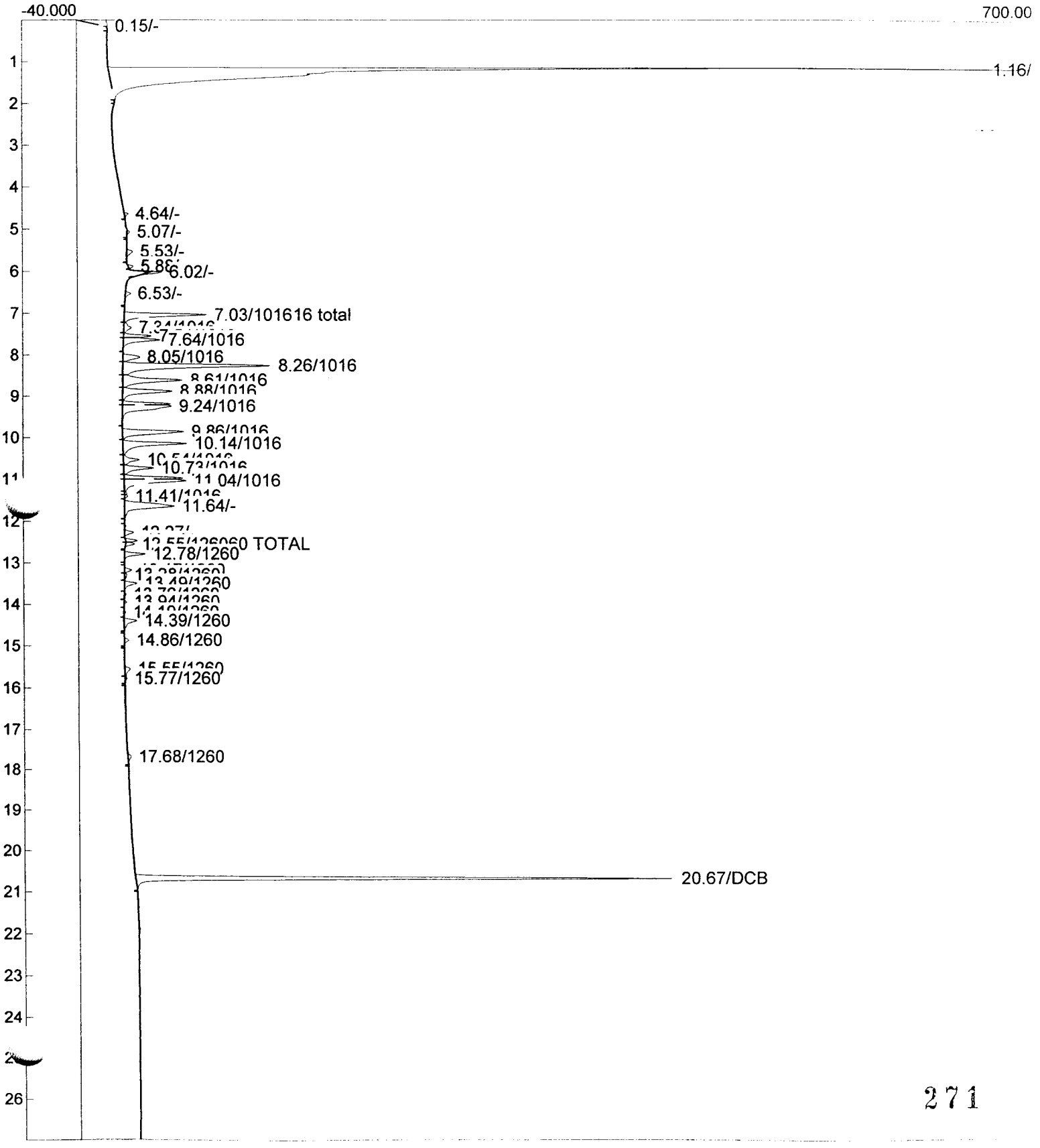
Lab name: AES
Analysis date: 11/16/2002 07:03:43
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b922.chr ()
Sample: 1232 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.15	151.27	0	0.0000 -		DB1701	1232 0.5
1.14	1064.69	0	0.0000 -		DB1701	1232 0.5
1.94	10.92	0	0.0000 -		DB1701	1232 0.5
3.81	80.15	0	0.0000 -		DB1701	1232 0.5
'.69	13.95	0	0.0000 -		DB1701	1232 0.5
.00	0.00	6	0.0000 TCMX		DB1701	1232 0.5
5.07	52.29	0	0.0000 -		DB1701	1232 0.5
5.13	21.67	0	0.0000 -		DB1701	1232 0.5
5.41	5.30	0	0.0000 -		DB1701	1232 0.5
5.53	188.04	0	0.0000 -		DB1701	1232 0.5
5.88	106.71	0	0.0000 -		DB1701	1232 0.5
6.02	524.34	0	0.0000 -		DB1701	1232 0.5
6.53	42.19	0	0.0000 -		DB1701	1232 0.5
6.79	5.39	0	0.0000 -		DB1701	1232 0.5
7.04	3414.78	2	0.4359	1016 total	DB1701	1232 0.5
7.04	326.08	1	0.0000	1016	DB1701	1232 0.5
7.27	13.32	1	0.0000	1016	DB1701	1232 0.5
7.36	73.48	1	0.0000	1016	DB1701	1232 0.5
7.54	88.07	1	0.0000	1016	DB1701	1232 0.5
7.64	149.85	1	0.0000	1016	DB1701	1232 0.5
8.06	83.25	1	0.0000	1016	DB1701	1232 0.5
8.26	666.21	1	0.0000	1016	DB1701	1232 0.5
8.61	281.44	1	0.0000	1016	DB1701	1232 0.5
8.88	215.40	1	0.0000	1016	DB1701	1232 0.5
9.20	110.65	1	0.0000	1016	DB1701	1232 0.5
9.25	237.20	1	0.0000	1016	DB1701	1232 0.5
9.86	251.60	1	0.0000	1016	DB1701	1232 0.5
10.15	265.24	1	0.0000	1016	DB1701	1232 0.5
10.54	72.43	1	0.0000	1016	DB1701	1232 0.5
10.70	7.99	1	0.0000	1016	DB1701	1232 0.5
10.74	106.67	1	0.0000	1016	DB1701	1232 0.5
10.98	153.81	1	0.0000	1016	DB1701	1232 0.5
11.04	285.33	1	0.0000	1016	DB1701	1232 0.5
11.35	11.39	1	0.0000	1016	DB1701	1232 0.5
' 41	15.38	1	0.0000	1016	DB1701	1232 0.5
.65	306.20	0	0.0000 -		DB1701	1232 0.5
12.27	7.70	0	0.0000 -		DB1701	1232 0.5
12.46	16.97	0	0.0000 -		DB1701	1232 0.5
12.79	263.03	4	0.0185	1260 TOTAL	DB1701	1232 0.5
12.79	62.59	3	0.0000	1260	DB1701	1232 0.5
13.17	15.19	3	0.0000	1260	DB1701	1232 0.5
13.29	6.86	3	0.0000	1260	DB1701	1232 0.5
13.50	39.34	3	0.0000	1260	DB1701	1232 0.5
13.95	8.59	3	0.0000	1260	DB1701	1232 0.5
14.20	5.17	3	0.0000	1260	DB1701	1232 0.5
14.40	48.74	3	0.0000	1260	DB1701	1232 0.5
14.87	16.41	3	0.0000	1260	DB1701	1232 0.5
15.55	26.86	3	0.0000	1260	DB1701	1232 0.5
16.73	9.71	3	0.0000	1260	DB1701	1232 0.5
17.67	23.56	3	0.0000	1260	DB1701	1232 0.5
20.69	1449.68	5	91.8796	DCB	DB1701	1232 0.5
	11403.06	50	92.3341			

1947.92

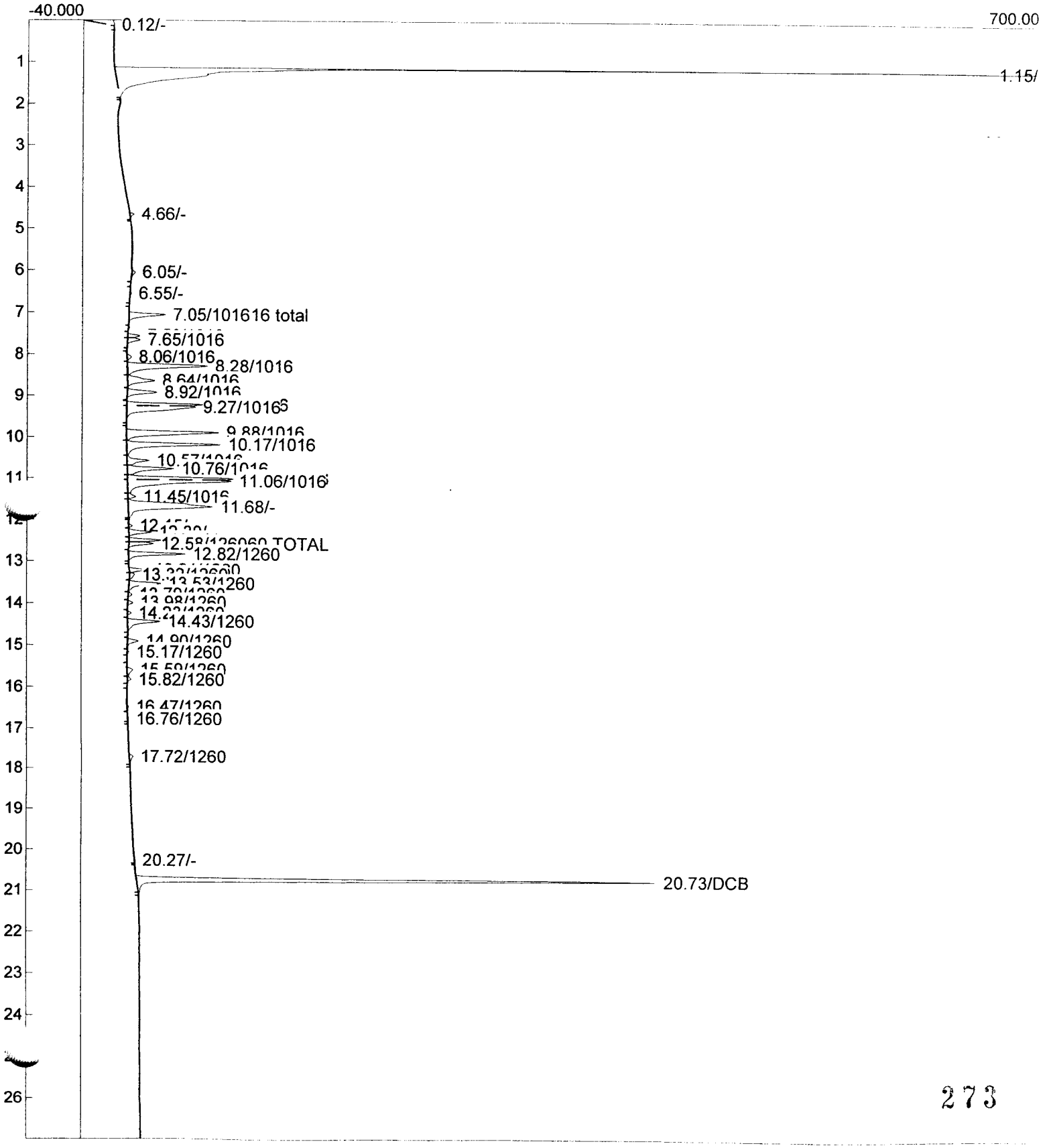
Lab name: AES
Analysis date: 11/16/2002 07:46:39
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b923.chr ()
Sample: 1242 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.15	105.13	0	0.0000 -		DB1701	1242 0.5
1.16	4203.98	0	0.0000 -		DB1701	1242 0.5
4.64	12.87	0	0.0000 -		DB1701	1242 0.5
0.00	0.00	6	0.0000	TCMX	DB1701	1242 0.5
5.07	10.00	0	0.0000 -		DB1701	1242 0.5
5.53	29.49	0	0.0000 -		DB1701	1242 0.5
5.88	15.18	0	0.0000 -		DB1701	1242 0.5
6.02	35.90	0	0.0000 -		DB1701	1242 0.5
6.53	20.32	0	0.0000 -		DB1701	1242 0.5
7.03	3524.56	2	0.4499	1016 total	DB1701	1242 0.5
7.03	316.86	1	0.0000	1016	DB1701	1242 0.5
7.34	46.29	1	0.0000	1016	DB1701	1242 0.5
7.54	82.77	1	0.0000	1016	DB1701	1242 0.5
7.64	148.67	1	0.0000	1016	DB1701	1242 0.5
8.05	84.68	1	0.0000	1016	DB1701	1242 0.5
8.26	681.23	1	0.0000	1016	DB1701	1242 0.5
8.61	297.86	1	0.0000	1016	DB1701	1242 0.5
8.88	233.02	1	0.0000	1016	DB1701	1242 0.5
9.19	127.55	1	0.0000	1016	DB1701	1242 0.5
9.24	276.20	1	0.0000	1016	DB1701	1242 0.5
9.86	279.19	1	0.0000	1016	DB1701	1242 0.5
10.14	283.30	1	0.0000	1016	DB1701	1242 0.5
10.54	72.78	1	0.0000	1016	DB1701	1242 0.5
10.73	123.87	1	0.0000	1016	DB1701	1242 0.5
10.97	164.60	1	0.0000	1016	DB1701	1242 0.5
11.04	289.12	1	0.0000	1016	DB1701	1242 0.5
11.35	7.01	1	0.0000	1016	DB1701	1242 0.5
11.41	9.57	1	0.0000	1016	DB1701	1242 0.5
11.64	297.35	0	0.0000 -		DB1701	1242 0.5
12.27	34.28	0	0.0000 -		DB1701	1242 0.5
12.46	33.26	0	0.0000 -		DB1701	1242 0.5
12.55	344.58	4	0.0242	1260 TOTAL	DB1701	1242 0.5
12.55	27.84	3	0.0000	1260	DB1701	1242 0.5
12.78	69.64	3	0.0000	1260	DB1701	1242 0.5
13.17	24.37	3	0.0000	1260	DB1701	1242 0.5
13.28	11.68	3	0.0000	1260	DB1701	1242 0.5
13.49	49.80	3	0.0000	1260	DB1701	1242 0.5
13.76	7.03	3	0.0000	1260	DB1701	1242 0.5
13.94	7.64	3	0.0000	1260	DB1701	1242 0.5
14.19	6.65	3	0.0000	1260	DB1701	1242 0.5
14.39	61.19	3	0.0000	1260	DB1701	1242 0.5
14.86	17.05	3	0.0000	1260	DB1701	1242 0.5
15.55	32.31	3	0.0000	1260	DB1701	1242 0.5
15.77	8.39	3	0.0000	1260	DB1701	1242 0.5
17.68	20.98	3	0.0000	1260	DB1701	1242 0.5
20.67	1564.55	5	99.1604	DCB	DB1701	1242 0.5
	14100.62	45	99.6346			

1808.16

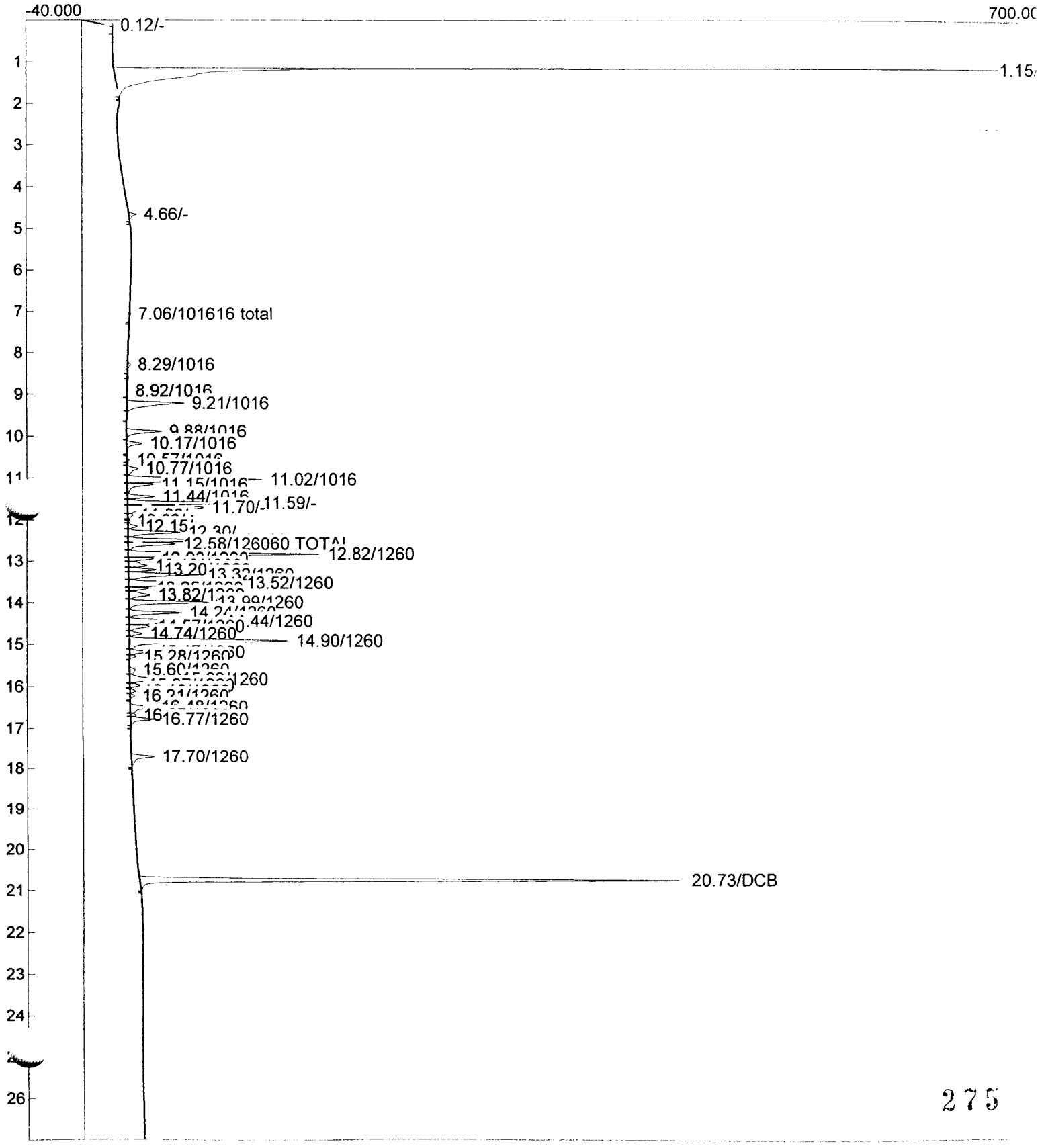
Lab name: AES
Analysis date: 11/16/2002 08:29:38
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b924.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.12	92.06	0	0.0000 -		DB1701	1248 0.5
1.15	2215.27	0	0.0000 -		DB1701	1248 0.5
4.66	16.24	0	0.0000 -		DB1701	1248 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1248 0.5
.05	14.41	0	0.0000 -		DB1701	1248 0.5
.55	5.96	0	0.0000 -		DB1701	1248 0.5
7.05	139.85	1	0.0000 1016		DB1701	1248 0.5
7.05	3356.50	2	0.4285 1016 total		DB1701	1248 0.5
7.56	37.42	1	0.0000 1016		DB1701	1248 0.5
7.65	48.46	1	0.0000 1016		DB1701	1248 0.5
8.06	19.73	1	0.0000 1016		DB1701	1248 0.5
8.28	386.45	1	0.0000 1016		DB1701	1248 0.5
8.64	143.66	1	0.0000 1016		DB1701	1248 0.5
8.92	123.03	1	0.0000 1016		DB1701	1248 0.5
9.21	206.46	1	0.0000 1016		DB1701	1248 0.5
9.27	361.87	1	0.0000 1016		DB1701	1248 0.5
9.88	404.47	1	0.0000 1016		DB1701	1248 0.5
10.17	371.54	1	0.0000 1016		DB1701	1248 0.5
10.57	96.38	1	0.0000 1016		DB1701	1248 0.5
10.76	196.05	1	0.0000 1016		DB1701	1248 0.5
11.01	314.64	1	0.0000 1016		DB1701	1248 0.5
11.06	475.88	1	0.0000 1016		DB1701	1248 0.5
11.45	30.62	1	0.0000 1016		DB1701	1248 0.5
11.68	552.27	0	0.0000 -		DB1701	1248 0.5
12.15	10.21	0	0.0000 -		DB1701	1248 0.5
12.30	80.91	0	0.0000 -		DB1701	1248 0.5
12.50	92.77	0	0.0000 -		DB1701	1248 0.5
12.58	787.89	4	0.0554 1260 TOTAL		DB1701	1248 0.5
12.58	79.37	3	0.0000 1260		DB1701	1248 0.5
12.82	183.75	3	0.0000 1260		DB1701	1248 0.5
13.21	54.05	3	0.0000 1260		DB1701	1248 0.5
13.32	24.90	3	0.0000 1260		DB1701	1248 0.5
13.53	125.52	3	0.0000 1260		DB1701	1248 0.5
13.79	14.66	3	0.0000 1260		DB1701	1248 0.5
.98	17.55	3	0.0000 1260		DB1701	1248 0.5
.23	12.01	3	0.0000 1260		DB1701	1248 0.5
14.43	144.81	3	0.0000 1260		DB1701	1248 0.5
14.90	42.68	3	0.0000 1260		DB1701	1248 0.5
15.17	5.94	3	0.0000 1260		DB1701	1248 0.5
15.59	32.17	3	0.0000 1260		DB1701	1248 0.5
15.82	15.14	3	0.0000 1260		DB1701	1248 0.5
16.47	6.22	3	0.0000 1260		DB1701	1248 0.5
16.76	6.32	3	0.0000 1260		DB1701	1248 0.5
17.72	22.78	3	0.0000 1260		DB1701	1248 0.5
20.27	5.39	0	0.0000 -		DB1701	1248 0.5
20.73	1514.34	5	95.9782 DCB		DB1701	1248 0.5
	12888.61	45	96.4621			

2014.3

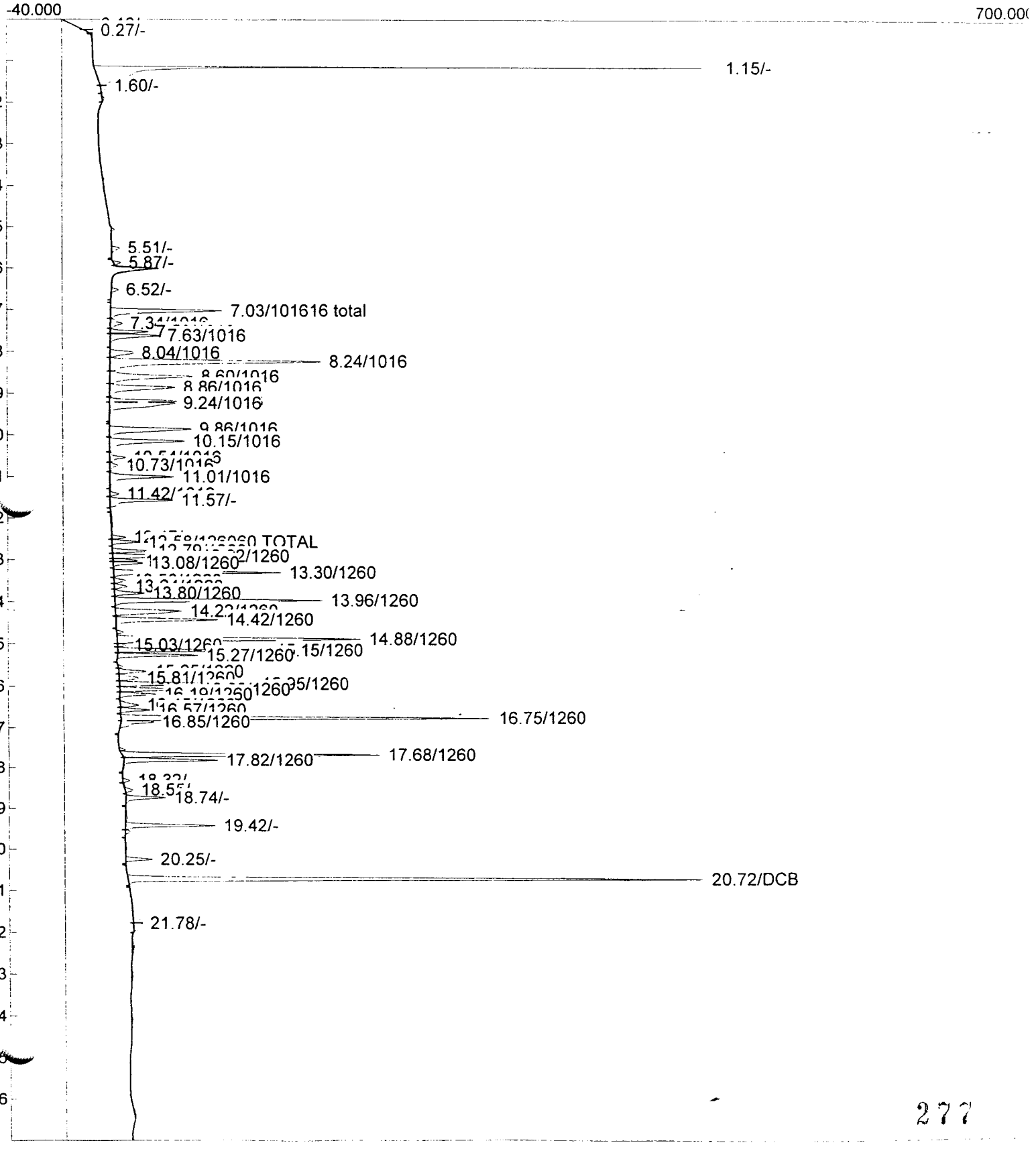
Lab name: AES
Analysis date: 11/16/2002 09:12:35
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b925.chr ()
Sample: 1254 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.12	96.26	0	0.0000 -		DB1701	1254 0.5
1.15	2028.22	0	0.0000 -		DB1701	1254 0.5
4.66	28.46	0	0.0000 -		DB1701	1254 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1254 0.5
.06	1204.46	2	0.1538	1016 total	DB1701	1254 0.5
.06	6.41	1	0.0000 1016		DB1701	1254 0.5
8.29	14.80	1	0.0000 1016		DB1701	1254 0.5
8.92	5.28	1	0.0000 1016		DB1701	1254 0.5
9.21	242.72	1	0.0000 1016		DB1701	1254 0.5
9.88	127.96	1	0.0000 1016		DB1701	1254 0.5
10.17	59.30	1	0.0000 1016		DB1701	1254 0.5
10.57	8.00	1	0.0000 1016		DB1701	1254 0.5
10.77	55.95	1	0.0000 1016		DB1701	1254 0.5
11.02	495.40	1	0.0000 1016		DB1701	1254 0.5
11.15	102.69	1	0.0000 1016		DB1701	1254 0.5
11.44	85.96	1	0.0000 1016		DB1701	1254 0.5
11.59	379.88	0	0.0000 -		DB1701	1254 0.5
11.70	345.16	0	0.0000 -		DB1701	1254 0.5
11.88	21.86	0	0.0000 -		DB1701	1254 0.5
12.02	5.35	0	0.0000 -		DB1701	1254 0.5
12.15	32.27	0	0.0000 -		DB1701	1254 0.5
12.30	187.64	0	0.0000 -		DB1701	1254 0.5
12.49	295.04	0	0.0000 -		DB1701	1254 0.5
12.58	3937.29	4	0.2770	1260 TOTAL	DB1701	1254 0.5
12.58	171.57	3	0.0000 1260		DB1701	1254 0.5
12.82	582.85	3	0.0000 1260		DB1701	1254 0.5
12.93	80.57	3	0.0000 1260		DB1701	1254 0.5
13.10	84.10	3	0.0000 1260		DB1701	1254 0.5
13.20	87.67	3	0.0000 1260		DB1701	1254 0.5
13.32	256.22	3	0.0000 1260		DB1701	1254 0.5
13.52	402.58	3	0.0000 1260		DB1701	1254 0.5
13.65	62.85	3	0.0000 1260		DB1701	1254 0.5
13.82	93.00	3	0.0000 1260		DB1701	1254 0.5
13.99	258.54	3	0.0000 1260		DB1701	1254 0.5
.24	163.54	3	0.0000 1260		DB1701	1254 0.5
.44	326.50	3	0.0000 1260		DB1701	1254 0.5
14.57	78.78	3	0.0000 1260		DB1701	1254 0.5
14.74	43.54	3	0.0000 1260		DB1701	1254 0.5
14.90	597.28	3	0.0000 1260		DB1701	1254 0.5
15.17	66.91	3	0.0000 1260		DB1701	1254 0.5
15.28	20.07	3	0.0000 1260		DB1701	1254 0.5
15.60	32.74	3	0.0000 1260		DB1701	1254 0.5
15.82	164.89	3	0.0000 1260		DB1701	1254 0.5
15.97	32.55	3	0.0000 1260		DB1701	1254 0.5
16.10	17.50	3	0.0000 1260		DB1701	1254 0.5
16.21	14.81	3	0.0000 1260		DB1701	1254 0.5
16.48	101.96	3	0.0000 1260		DB1701	1254 0.5
16.67	16.33	3	0.0000 1260		DB1701	1254 0.5
16.77	83.83	3	0.0000 1260		DB1701	1254 0.5
17.70	96.09	3	0.0000 1260		DB1701	1254 0.5
20.73	1563.88	5	99.1181 DCB		DB1701	1254 0.5
	15267.51	50	99.5488			

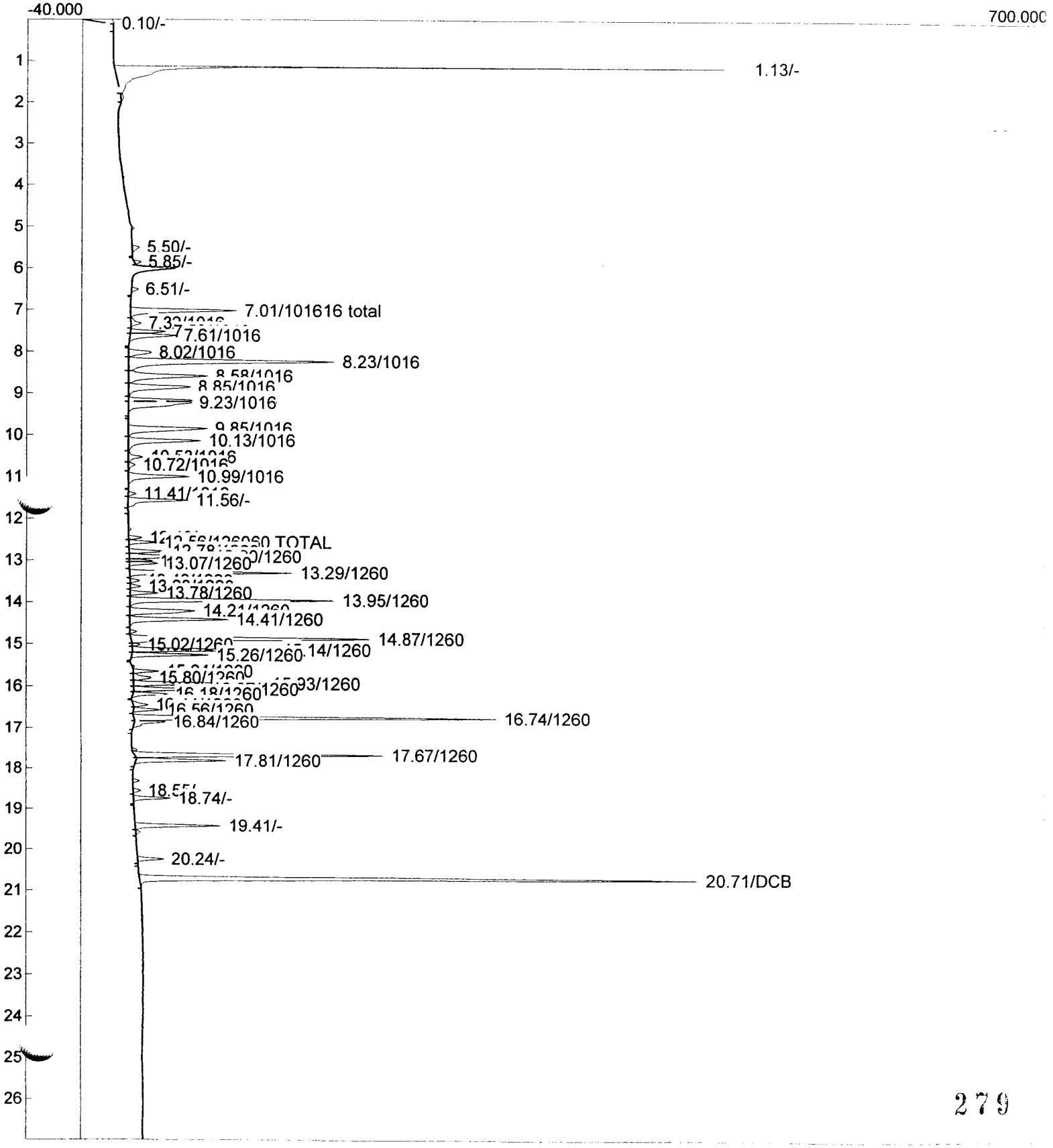
2006.01

Lab name: AES
Analysis date: 11/16/2002 20:40:05
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b941.chr ()
`ample: 1660 0.5 CC2
`erator: KEN FULLER



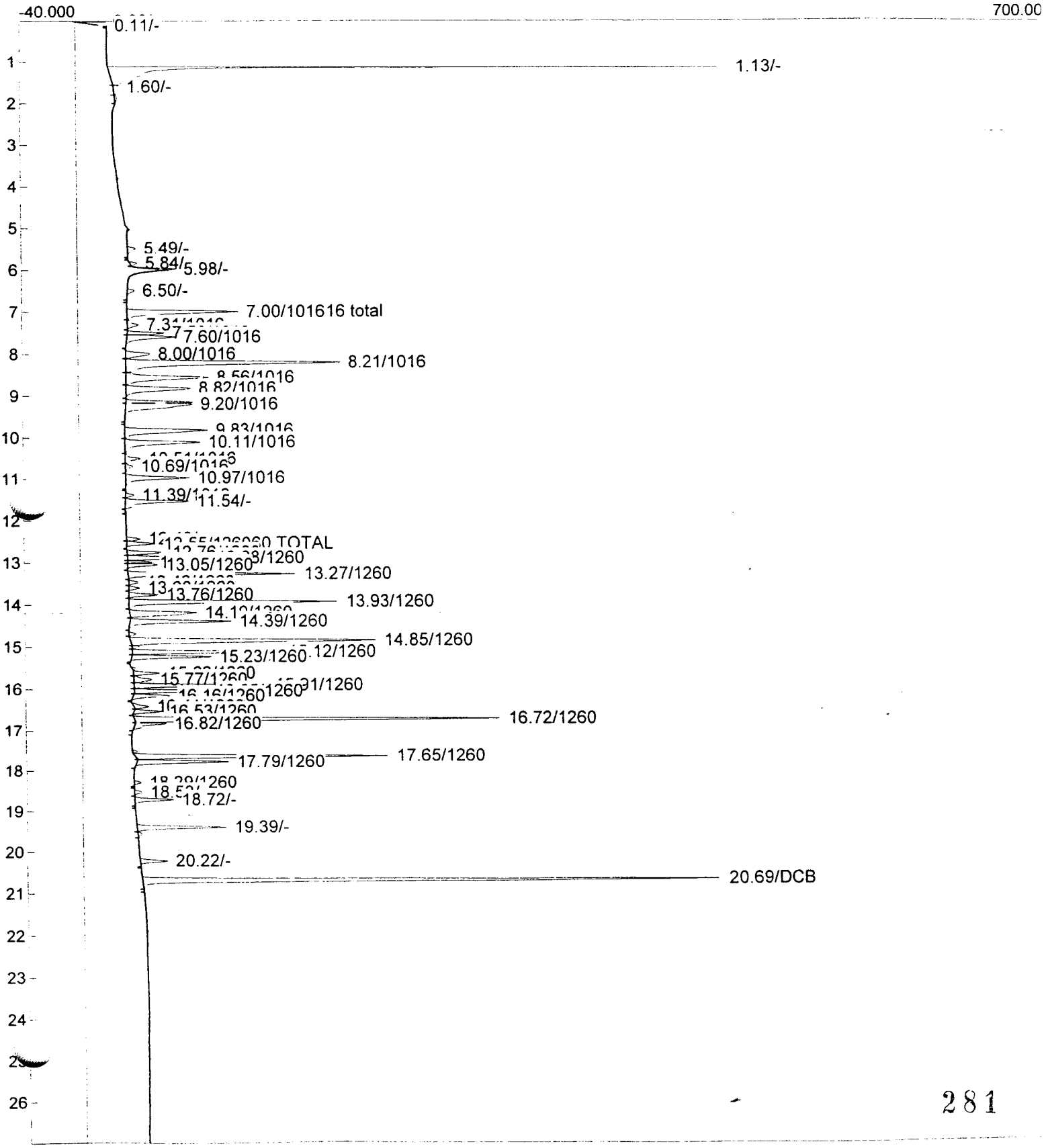
Retention	Area	Number	External	Component	Column	
0.12	225.10	0	0.0000 -	DB1701	1660 0.5	CC
0.27	21.61	0	0.0000 -	DB1701	1660 0.5	
1.15	1047.64	0	0.0000 -	DB1701	1660 0.5	
1.60	32.22	0	0.0000 -	DB1701	1660 0.5	
0.00	0.00	6	0.0000 TCMX	DB1701	1660 0.5	
5.51	33.65	0	0.0000 -	DB1701	1660 0.5	
5.87	20.77	0	0.0000 -	DB1701	1660 0.5	
6.52	23.54	0	0.0000 -	DB1701	1660 0.5	
7.03	391.46	1	0.0000 1016	DB1701	1660 0.5	
7.03	3915.16	2	0.4998 1016 total	DB1701	1660 0.5	
7.34	58.59	1	0.0000 1016	DB1701	1660 0.5	
7.53	110.20	1	0.0000 1016	DB1701	1660 0.5	
7.63	176.95	1	0.0000 1016	DB1701	1660 0.5	
8.04	107.84	1	0.0000 1016	DB1701	1660 0.5	
8.24	871.07	1	0.0000 1016	DB1701	1660 0.5	
8.60	373.80	1	0.0000 1016	DB1701	1660 0.5	
8.86	298.36	1	0.0000 1016	DB1701	1660 0.5	
9.19	175.87	1	0.0000 1016	DB1701	1660 0.5	
9.24	338.09	1	0.0000 1016	DB1701	1660 0.5	
9.86	344.97	1	0.0000 1016	DB1701	1660 0.5	
10.15	299.19	1	0.0000 1016	DB1701	1660 0.5	
10.54	62.22	1	0.0000 1016	DB1701	1660 0.5	
10.73	35.77	1	0.0000 1016	DB1701	1660 0.5	
11.01	241.74	1	0.0000 1016	DB1701	1660 0.5	
11.42	29.04	1	0.0000 1016	DB1701	1660 0.5	
11.57	211.65	0	0.0000 -	DB1701	1660 0.5	
12.47	40.11	0	0.0000 -	DB1701	1660 0.5	
12.58	79.50	3	0.0000 1260	DB1701	1660 0.5	
12.58	6999.23	4	0.4923 1260 TOTAL	DB1701	1660 0.5	
12.79	106.09	3	0.0000 1260	DB1701	1660 0.5	
12.92	224.67	3	0.0000 1260	DB1701	1660 0.5	
13.03	59.66	3	0.0000 1260	DB1701	1660 0.5	
13.08	86.21	3	0.0000 1260	DB1701	1660 0.5	
13.30	455.88	3	0.0000 1260	DB1701	1660 0.5	
13.50	39.80	3	0.0000 1260	DB1701	1660 0.5	
13.64	42.16	3	0.0000 1260	DB1701	1660 0.5	
13.80	91.64	3	0.0000 1260	DB1701	1660 0.5	
13.96	578.07	3	0.0000 1260	DB1701	1660 0.5	
14.22	275.54	3	0.0000 1260	DB1701	1660 0.5	
14.42	318.97	3	0.0000 1260	DB1701	1660 0.5	
14.88	849.97	3	0.0000 1260	DB1701	1660 0.5	
15.03	23.20	3	0.0000 1260	DB1701	1660 0.5	
15.15	397.30	3	0.0000 1260	DB1701	1660 0.5	
15.27	221.14	3	0.0000 1260	DB1701	1660 0.5	
15.65	81.69	3	0.0000 1260	DB1701	1660 0.5	
15.81	79.39	3	0.0000 1260	DB1701	1660 0.5	
15.95	357.42	3	0.0000 1260	DB1701	1660 0.5	
16.08	208.89	3	0.0000 1260	DB1701	1660 0.5	
16.19	103.97	3	0.0000 1260	DB1701	1660 0.5	
16.45	67.35	3	0.0000 1260	DB1701	1660 0.5	
16.57	84.94	3	0.0000 1260	DB1701	1660 0.5	
16.75	1019.20	3	0.0000 1260	DB1701	1660 0.5	
16.85	120.38	3	0.0000 1260	DB1701	1660 0.5	
17.68	741.93	3	0.0000 1260	DB1701	1660 0.5	
17.82	284.29	3	0.0000 1260	DB1701	1660 0.5	
18.32	22.57	0	0.0000 -	DB1701	1660 0.5	
18.55	33.21	0	0.0000 -	DB1701	1660 0.5	
18.74	123.09	0	0.0000 -	DB1701	1660 0.5	
19.42	263.12	0	0.0000 -	DB1701	1660 0.5	
20.25	75.29	0	0.0000 -	DB1701	1660 0.5	
20.72	1627.41	5	103.1440 DCB	DB1701	1660 0.5	103
21.75	63.95	0	0.0000 -	DB1701	1660 0.5	
21.78	51.37	0	0.0000 -	DB1701	1660 0.5	
	25745.04	62	104.1362			

Lab name: AES
Analysis date: 11/17/2002 03:06:55
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b950.chr ()
Sample: 1660 0.5 cc3
Operator: KEN FULLER



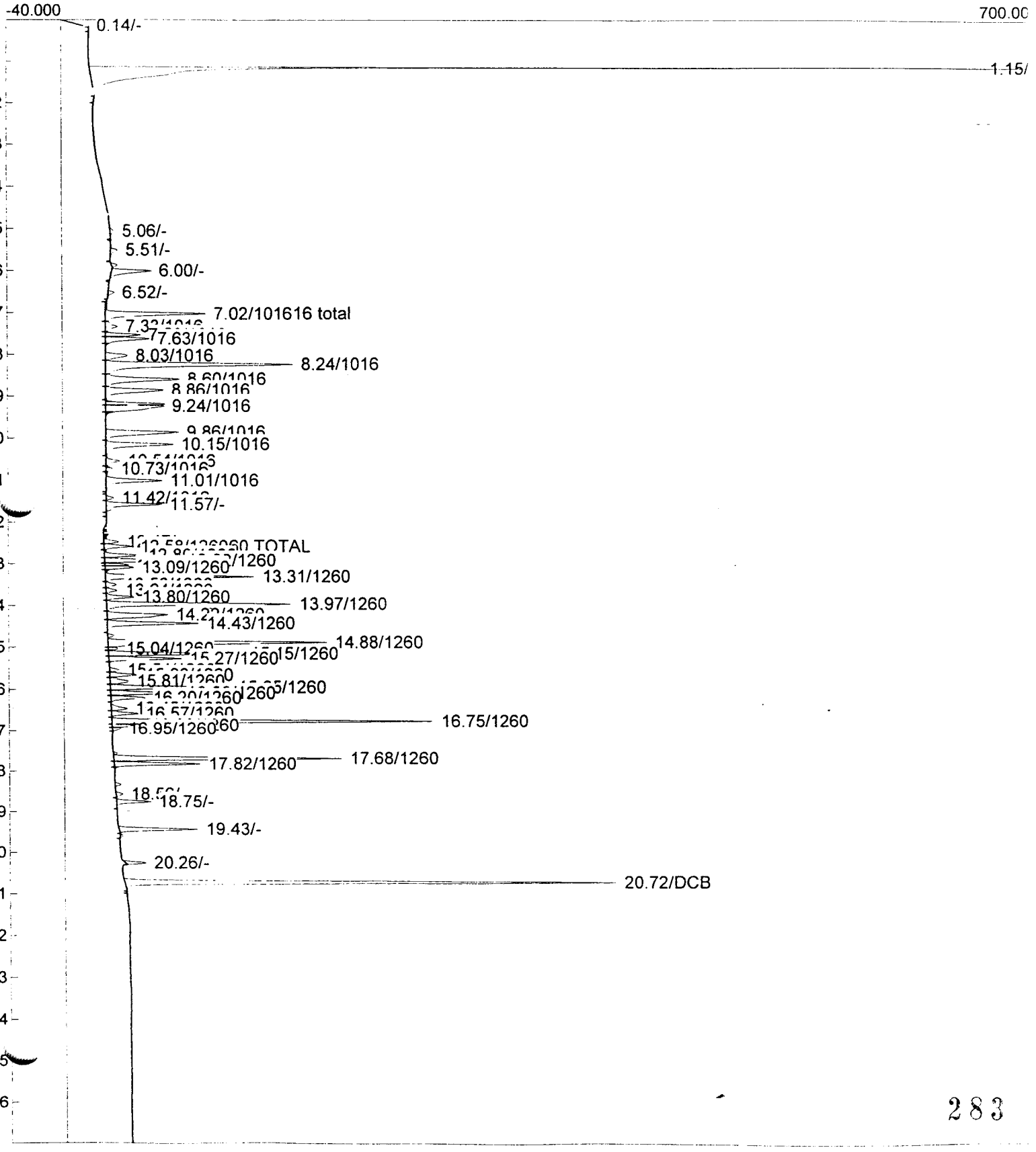
Retention	Area	Number	External	Component	Column	S
0.10	78.74	0	0.0000 -	DB1701	1660 0.5	
1.13	1095.54	0	0.0000 -	DB1701	1660 0.5	
0.00	0.00	6	0.0000 TCMX	DB1701	1660 0.5	
5.50	33.64	0	0.0000 -	DB1701	1660 0.5	
95	20.24	0	0.0000 -	DB1701	1660 0.5	
51	23.55	0	0.0000 -	DB1701	1660 0.5	
7.01	396.37	1	0.0000 1016	DB1701	1660 0.5	
7.01	3912.12	2	0.4994 1016 total	DB1701	1660 0.5	
7.32	47.90	1	0.0000 1016	DB1701	1660 0.5	
7.52	101.94	1	0.0000 1016	DB1701	1660 0.5	
7.61	178.29	1	0.0000 1016	DB1701	1660 0.5	
8.02	107.97	1	0.0000 1016	DB1701	1660 0.5	
8.23	887.33	1	0.0000 1016	DB1701	1660 0.5	
8.58	375.41	1	0.0000 1016	DB1701	1660 0.5	
8.85	297.26	1	0.0000 1016	DB1701	1660 0.5	
9.17	170.38	1	0.0000 1016	DB1701	1660 0.5	
9.23	343.47	1	0.0000 1016	DB1701	1660 0.5	
9.85	352.90	1	0.0000 1016	DB1701	1660 0.5	
10.13	303.09	1	0.0000 1016	DB1701	1660 0.5	
10.53	60.92	1	0.0000 1016	DB1701	1660 0.5	
10.72	31.24	1	0.0000 1016	DB1701	1660 0.5	
10.99	233.49	1	0.0000 1016	DB1701	1660 0.5	
11.41	24.14	1	0.0000 1016	DB1701	1660 0.5	
11.56	214.12	0	0.0000 -	DB1701	1660 0.5	
12.46	38.88	0	0.0000 -	DB1701	1660 0.5	
12.56	80.31	3	0.0000 1260	DB1701	1660 0.5	
12.56	6891.19	4	0.4847 1260 TOTAL	DB1701	1660 0.5	
12.78	105.44	3	0.0000 1260	DB1701	1660 0.5	
12.90	226.89	3	0.0000 1260	DB1701	1660 0.5	
13.01	53.59	3	0.0000 1260	DB1701	1660 0.5	
13.07	87.05	3	0.0000 1260	DB1701	1660 0.5	
13.29	456.16	3	0.0000 1260	DB1701	1660 0.5	
13.49	29.77	3	0.0000 1260	DB1701	1660 0.5	
13.63	30.24	3	0.0000 1260	DB1701	1660 0.5	
78	82.13	3	0.0000 1260	DB1701	1660 0.5	
5	588.74	3	0.0000 1260	DB1701	1660 0.5	
14.21	289.61	3	0.0000 1260	DB1701	1660 0.5	
14.41	326.83	3	0.0000 1260	DB1701	1660 0.5	
14.87	845.81	3	0.0000 1260	DB1701	1660 0.5	
15.02	20.09	3	0.0000 1260	DB1701	1660 0.5	
15.14	394.53	3	0.0000 1260	DB1701	1660 0.5	
15.26	219.33	3	0.0000 1260	DB1701	1660 0.5	
15.64	70.74	3	0.0000 1260	DB1701	1660 0.5	
15.80	71.82	3	0.0000 1260	DB1701	1660 0.5	
15.93	353.72	3	0.0000 1260	DB1701	1660 0.5	
16.07	204.56	3	0.0000 1260	DB1701	1660 0.5	
16.18	104.24	3	0.0000 1260	DB1701	1660 0.5	
16.44	50.25	3	0.0000 1260	DB1701	1660 0.5	
16.56	73.69	3	0.0000 1260	DB1701	1660 0.5	
16.74	1012.27	3	0.0000 1260	DB1701	1660 0.5	
16.84	108.60	3	0.0000 1260	DB1701	1660 0.5	
17.67	729.38	3	0.0000 1260	DB1701	1660 0.5	
17.81	275.39	3	0.0000 1260	DB1701	1660 0.5	
18.55	25.44	0	0.0000 -	DB1701	1660 0.5	
18.74	109.91	0	0.0000 -	DB1701	1660 0.5	
19.41	255.41	0	0.0000 -	DB1701	1660 0.5	
20.24	78.87	0	0.0000 -	DB1701	1660 0.5	
20.71	1597.50	5	101.2487 DCB	DB1701	1660 0.5	
	25178.46	57	102.2329			

Lab name: AES
Analysis date: 11/17/2002 08:50:48
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B958.chr ()
Sample: 1660 0.5 CC4
Operator: KEN FULLER



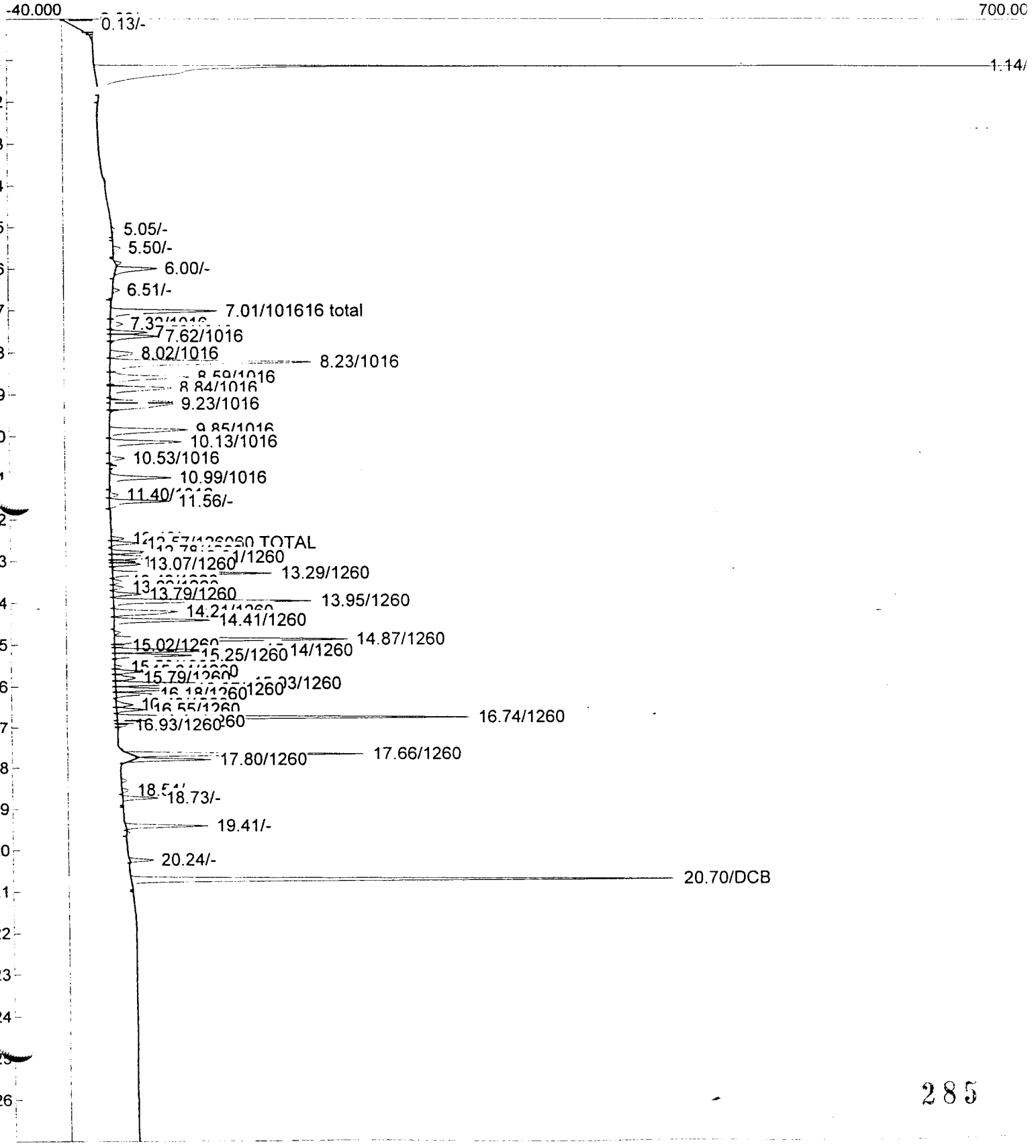
Retention	Area	Number	External	Component	Column	
0.00	22.04	0	0.0000 -	DB1701	1660 0.5	CCC
0.11	78.58	0	0.0000 -	DB1701	1660 0.5	
1.13	948.75	0	0.0000 -	DB1701	1660 0.5	
1.60	39.78	0	0.0000 -	DB1701	1660 0.5	
00	0.00	6	0.0000 TCMX	DB1701	1660 0.5	
.49	34.78	0	0.0000 -	DB1701	1660 0.5	
5.84	20.59	0	0.0000 -	DB1701	1660 0.5	
5.98	29.25	0	0.0000 -	DB1701	1660 0.5	
6.50	24.54	0	0.0000 -	DB1701	1660 0.5	
7.00	3911.34	2	0.4993 1016 total	DB1701	1660 0.5	
7.00	402.12	1	0.0000 1016	DB1701	1660 0.5	
7.31	49.68	1	0.0000 1016	DB1701	1660 0.5	
7.50	98.00	1	0.0000 1016	DB1701	1660 0.5	
7.60	179.73	1	0.0000 1016	DB1701	1660 0.5	
8.00	110.01	1	0.0000 1016	DB1701	1660 0.5	
8.21	895.97	1	0.0000 1016	DB1701	1660 0.5	
8.56	370.84	1	0.0000 1016	DB1701	1660 0.5	
8.82	286.92	1	0.0000 1016	DB1701	1660 0.5	
9.15	158.92	1	0.0000 1016	DB1701	1660 0.5	
9.20	353.08	1	0.0000 1016	DB1701	1660 0.5	
9.83	353.56	1	0.0000 1016	DB1701	1660 0.5	
10.11	304.60	1	0.0000 1016	DB1701	1660 0.5	
10.51	59.21	1	0.0000 1016	DB1701	1660 0.5	
10.69	31.05	1	0.0000 1016	DB1701	1660 0.5	
10.97	231.99	1	0.0000 1016	DB1701	1660 0.5	
11.39	25.66	1	0.0000 1016	DB1701	1660 0.5	
11.54	218.20	0	0.0000 -	DB1701	1660 0.5	
12.43	38.34	0	0.0000 -	DB1701	1660 0.5	
12.55	6878.15	4	0.4838 1260 TOTAL	DB1701	1660 0.5	
12.55	80.21	3	0.0000 1260	DB1701	1660 0.5	
12.76	106.04	3	0.0000 1260	DB1701	1660 0.5	
12.88	225.91	3	0.0000 1260	DB1701	1660 0.5	
12.99	58.53	3	0.0000 1260	DB1701	1660 0.5	
13.05	84.41	3	0.0000 1260	DB1701	1660 0.5	
27	461.07	3	0.0000 1260	DB1701	1660 0.5	
46	30.51	3	0.0000 1260	DB1701	1660 0.5	
13.60	29.88	3	0.0000 1260	DB1701	1660 0.5	
13.76	81.88	3	0.0000 1260	DB1701	1660 0.5	
13.93	590.79	3	0.0000 1260	DB1701	1660 0.5	
14.19	284.01	3	0.0000 1260	DB1701	1660 0.5	
14.39	318.82	3	0.0000 1260	DB1701	1660 0.5	
14.85	852.13	3	0.0000 1260	DB1701	1660 0.5	
15.12	395.40	3	0.0000 1260	DB1701	1660 0.5	
15.23	222.56	3	0.0000 1260	DB1701	1660 0.5	
15.62	69.58	3	0.0000 1260	DB1701	1660 0.5	
15.77	67.91	3	0.0000 1260	DB1701	1660 0.5	
15.91	353.45	3	0.0000 1260	DB1701	1660 0.5	
16.05	203.60	3	0.0000 1260	DB1701	1660 0.5	
16.16	102.28	3	0.0000 1260	DB1701	1660 0.5	
16.41	48.82	3	0.0000 1260	DB1701	1660 0.5	
16.53	71.61	3	0.0000 1260	DB1701	1660 0.5	
16.72	1018.38	3	0.0000 1260	DB1701	1660 0.5	
16.82	101.71	3	0.0000 1260	DB1701	1660 0.5	
17.65	727.46	3	0.0000 1260	DB1701	1660 0.5	
17.79	270.12	3	0.0000 1260	DB1701	1660 0.5	
18.29	21.10	3	0.0000 1260	DB1701	1660 0.5	
18.53	25.94	0	0.0000 -	DB1701	1660 0.5	
18.72	111.23	0	0.0000 -	DB1701	1660 0.5	
19.39	258.00	0	0.0000 -	DB1701	1660 0.5	
20.22	79.21	0	0.0000 -	DB1701	1660 0.5	
20.69	1628.63	5	103.2215 DCB	DB1701	1660 0.5	
	25136.83	60	104.2046			

Lab name: AES
Analysis date: 11/19/2002 21:35:53
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B961.chr ()
Sample: 1660 0.5 ec 5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.14	108.68	0	0.0000 -	DB1701	1660 0.5	
1.15	1930.41	0	0.0000 -	DB1701	1660 0.5	
0.00	0.00	6	0.0000 TCMX	DB1701	1660 0.5	
5.06	23.19	0	0.0000 -	DB1701	1660 0.5	
5.51	29.62	0	0.0000 -	DB1701	1660 0.5	
6.00	153.21	0	0.0000 -	DB1701	1660 0.5	
6.52	21.01	0	0.0000 -	DB1701	1660 0.5	
7.02	3505.96	2	0.4476 1016 total	DB1701	1660 0.5	
7.02	373.65	1	0.0000 1016	DB1701	1660 0.5	
7.33	66.05	1	0.0000 1016	DB1701	1660 0.5	
7.53	101.78	1	0.0000 1016	DB1701	1660 0.5	
7.63	157.70	1	0.0000 1016	DB1701	1660 0.5	
8.03	101.19	1	0.0000 1016	DB1701	1660 0.5	
8.24	778.80	1	0.0000 1016	DB1701	1660 0.5	
8.60	331.81	1	0.0000 1016	DB1701	1660 0.5	
8.86	262.25	1	0.0000 1016	DB1701	1660 0.5	
9.19	152.47	1	0.0000 1016	DB1701	1660 0.5	
9.24	284.40	1	0.0000 1016	DB1701	1660 0.5	
9.86	311.78	1	0.0000 1016	DB1701	1660 0.5	
10.15	273.18	1	0.0000 1016	DB1701	1660 0.5	
10.54	53.16	1	0.0000 1016	DB1701	1660 0.5	
10.73	21.34	1	0.0000 1016	DB1701	1660 0.5	
11.01	213.05	1	0.0000 1016	DB1701	1660 0.5	
11.42	23.37	1	0.0000 1016	DB1701	1660 0.5	
11.57	187.97	0	0.0000 -	DB1701	1660 0.5	
12.47	49.43	0	0.0000 -	DB1701	1660 0.5	
12.58	86.33	3	0.0000 1260	DB1701	1660 0.5	
12.58	6453.67	4	0.4540 1260 TOTAL	DB1701	1660 0.5	
12.80	107.14	3	0.0000 1260	DB1701	1660 0.5	
12.92	212.32	3	0.0000 1260	DB1701	1660 0.5	
13.03	55.68	3	0.0000 1260	DB1701	1660 0.5	
13.09	80.20	3	0.0000 1260	DB1701	1660 0.5	
13.31	420.13	3	0.0000 1260	DB1701	1660 0.5	
13.50	40.25	3	0.0000 1260	DB1701	1660 0.5	
13.64	35.84	3	0.0000 1260	DB1701	1660 0.5	
13.80	83.54	3	0.0000 1260	DB1701	1660 0.5	
13.97	529.97	3	0.0000 1260	DB1701	1660 0.5	
14.22	263.02	3	0.0000 1260	DB1701	1660 0.5	
14.43	293.27	3	0.0000 1260	DB1701	1660 0.5	
14.88	760.75	3	0.0000 1260	DB1701	1660 0.5	
15.04	26.29	3	0.0000 1260	DB1701	1660 0.5	
15.15	364.94	3	0.0000 1260	DB1701	1660 0.5	
15.27	207.63	3	0.0000 1260	DB1701	1660 0.5	
15.54	31.56	3	0.0000 1260	DB1701	1660 0.5	
15.66	83.94	3	0.0000 1260	DB1701	1660 0.5	
15.81	81.22	3	0.0000 1260	DB1701	1660 0.5	
15.95	331.87	3	0.0000 1260	DB1701	1660 0.5	
16.08	198.27	3	0.0000 1260	DB1701	1660 0.5	
16.20	101.92	3	0.0000 1260	DB1701	1660 0.5	
16.45	57.37	3	0.0000 1260	DB1701	1660 0.5	
16.57	77.33	3	0.0000 1260	DB1701	1660 0.5	
16.75	902.05	3	0.0000 1260	DB1701	1660 0.5	
16.86	82.13	3	0.0000 1260	DB1701	1660 0.5	
16.95	22.90	3	0.0000 1260	DB1701	1660 0.5	
17.68	656.57	3	0.0000 1260	DB1701	1660 0.5	
17.82	259.26	3	0.0000 1260	DB1701	1660 0.5	
18.56	21.05	0	0.0000 -	DB1701	1660 0.5	
18.75	98.10	0	0.0000 -	DB1701	1660 0.5	
19.43	222.00	0	0.0000 -	DB1701	1660 0.5	
20.26	49.00	0	0.0000 -	DB1701	1660 0.5	
20.72	1383.98	5	87.7157 DCB	DB1701	1660 0.5	
	24196.91	60	88.6172			

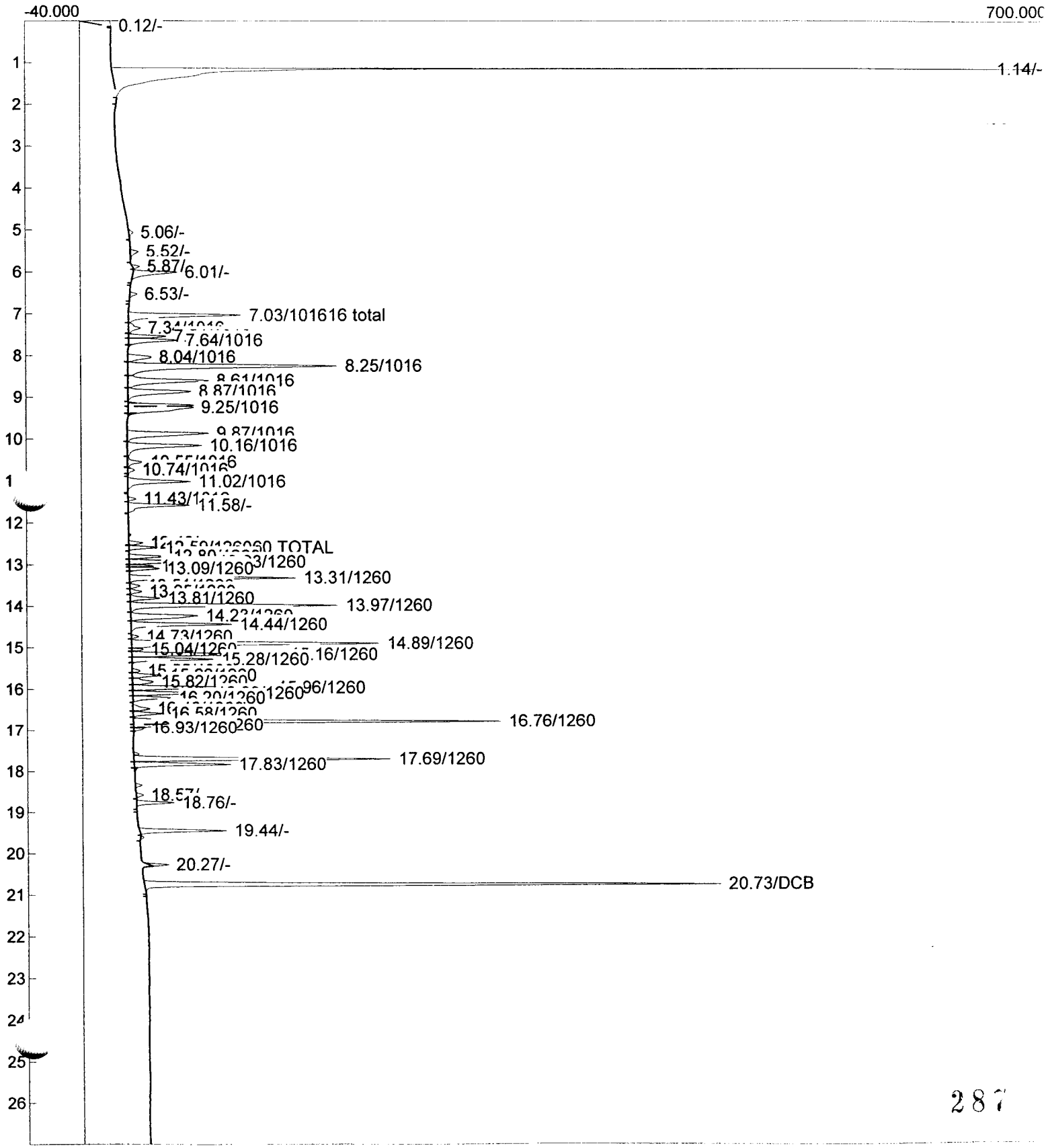
Lab name: AES
Analysis date: 11/20/2002 03:58:24 CC6
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B970.chr ()
Sample: 1660 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.00	43.03	0	0.0000 -		DB1701	1660 0.5
0.13	244.17	0	0.0000 -		DB1701	1660 0.5
1.14	2057.61	0	0.0000 -		DB1701	1660 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1660 0.5
5	20.03	0	0.0000 -		DB1701	1660 0.5
0	32.97	0	0.0000 -		DB1701	1660 0.5
6.00	170.94	0	0.0000 -		DB1701	1660 0.5
6.51	23.77	0	0.0000 -		DB1701	1660 0.5
7.01	407.51	1	0.0000 1016		DB1701	1660 0.5
7.01	3860.57	2	0.4928	1016 total	DB1701	1660 0.5
7.32	65.84	1	0.0000 1016		DB1701	1660 0.5
7.52	108.70	1	0.0000 1016		DB1701	1660 0.5
7.62	176.00	1	0.0000 1016		DB1701	1660 0.5
8.02	109.99	1	0.0000 1016		DB1701	1660 0.5
8.23	869.93	1	0.0000 1016		DB1701	1660 0.5
8.59	370.86	1	0.0000 1016		DB1701	1660 0.5
8.84	283.13	1	0.0000 1016		DB1701	1660 0.5
9.18	158.66	1	0.0000 1016		DB1701	1660 0.5
9.23	327.15	1	0.0000 1016		DB1701	1660 0.5
9.85	344.97	1	0.0000 1016		DB1701	1660 0.5
10.13	298.36	1	0.0000 1016		DB1701	1660 0.5
10.53	59.37	1	0.0000 1016		DB1701	1660 0.5
10.99	245.95	1	0.0000 1016		DB1701	1660 0.5
11.40	34.16	1	0.0000 1016		DB1701	1660 0.5
11.56	215.63	0	0.0000 -		DB1701	1660 0.5
12.46	37.88	0	0.0000 -		DB1701	1660 0.5
12.57	79.13	3	0.0000 1260		DB1701	1660 0.5
12.57	6750.67	4	0.4749	1260 TOTAL	DB1701	1660 0.5
12.78	103.91	3	0.0000 1260		DB1701	1660 0.5
12.91	221.65	3	0.0000 1260		DB1701	1660 0.5
13.01	54.52	3	0.0000 1260		DB1701	1660 0.5
13.07	81.66	3	0.0000 1260		DB1701	1660 0.5
13.29	449.83	3	0.0000 1260		DB1701	1660 0.5
13.49	35.03	3	0.0000 1260		DB1701	1660 0.5
2	32.77	3	0.0000 1260		DB1701	1660 0.5
9	82.68	3	0.0000 1260		DB1701	1660 0.5
13.95	571.69	3	0.0000 1260		DB1701	1660 0.5
14.21	278.06	3	0.0000 1260		DB1701	1660 0.5
14.41	311.85	3	0.0000 1260		DB1701	1660 0.5
14.87	829.54	3	0.0000 1260		DB1701	1660 0.5
15.02	27.73	3	0.0000 1260		DB1701	1660 0.5
15.14	394.69	3	0.0000 1260		DB1701	1660 0.5
15.25	222.04	3	0.0000 1260		DB1701	1660 0.5
15.53	25.22	3	0.0000 1260		DB1701	1660 0.5
15.64	85.76	3	0.0000 1260		DB1701	1660 0.5
15.79	87.29	3	0.0000 1260		DB1701	1660 0.5
15.93	358.51	3	0.0000 1260		DB1701	1660 0.5
16.07	212.70	3	0.0000 1260		DB1701	1660 0.5
16.18	107.85	3	0.0000 1260		DB1701	1660 0.5
16.43	61.50	3	0.0000 1260		DB1701	1660 0.5
16.55	84.82	3	0.0000 1260		DB1701	1660 0.5
16.74	991.79	3	0.0000 1260		DB1701	1660 0.5
16.84	90.30	3	0.0000 1260		DB1701	1660 0.5
16.93	25.36	3	0.0000 1260		DB1701	1660 0.5
17.66	636.34	3	0.0000 1260		DB1701	1660 0.5
17.80	206.48	3	0.0000 1260		DB1701	1660 0.5
18.54	22.82	0	0.0000 -		DB1701	1660 0.5
18.73	103.47	0	0.0000 -		DB1701	1660 0.5
19.41	237.86	0	0.0000 -		DB1701	1660 0.5
20.24	65.19	0	0.0000 -		DB1701	1660 0.5
20.70	1524.94	5	96.6495 DCB		DB1701	1660 0.5
	26022.79	60	97.6172			

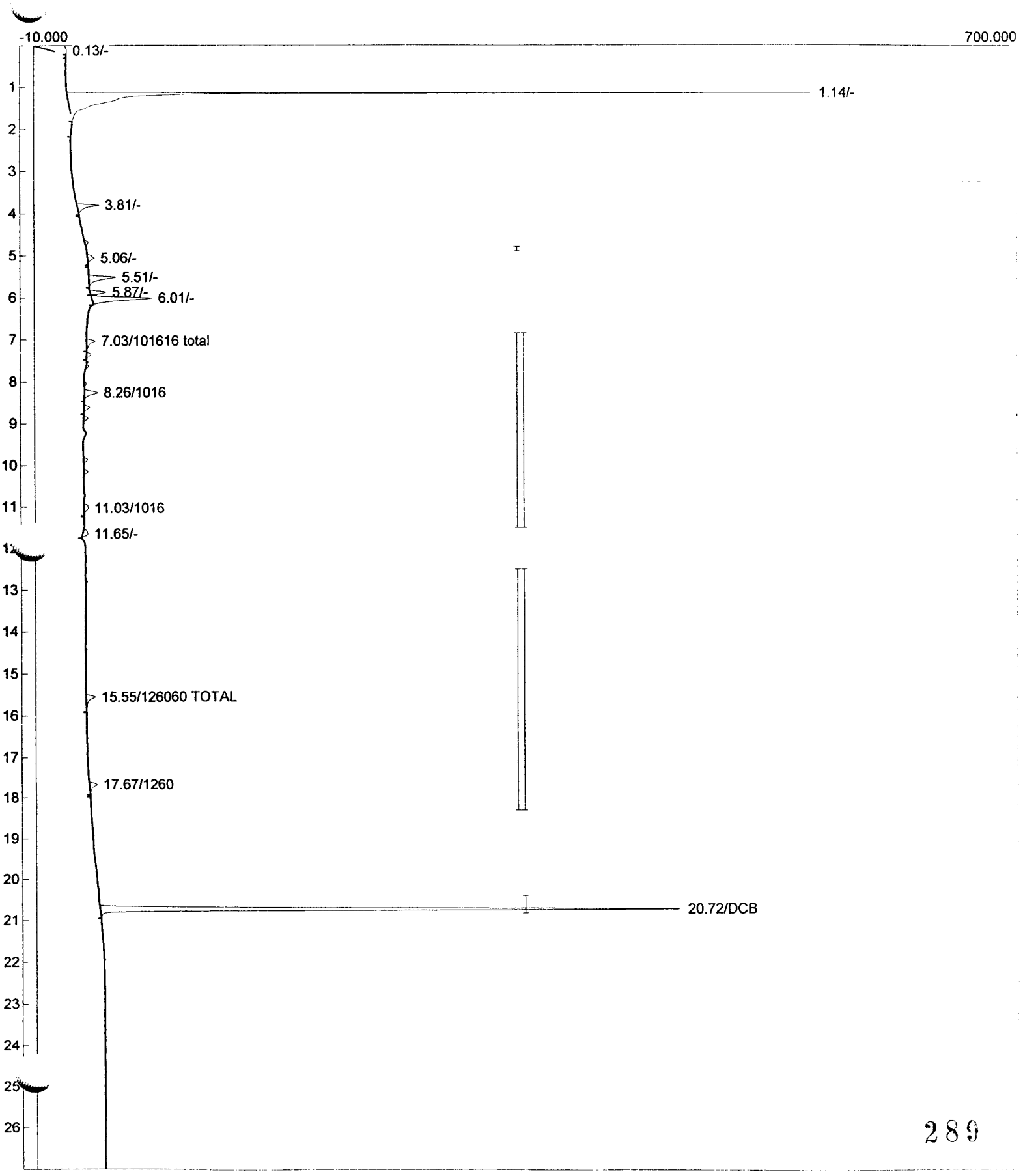
CC6

Lab name: AES
Analysis date: 11/20/2002 09:42:18
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B978.chr ()
Sample: 1660 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.12	98.06	0	0.0000 -	DB1701	1660 0.5	
1.14	2097.01	0	0.0000 -	DB1701	1660 0.5	
0.00	0.00	6	0.0000 TCMX	DB1701	1660 0.5	
06	20.95	0	0.0000 -	DB1701	1660 0.5	
2	36.71	0	0.0000 -	DB1701	1660 0.5	
5.87	21.14	0	0.0000 -	DB1701	1660 0.5	
6.01	177.23	0	0.0000 -	DB1701	1660 0.5	
6.53	25.07	0	0.0000 -	DB1701	1660 0.5	
7.03	417.91	1	0.0000 1016	DB1701	1660 0.5	
7.03	3986.74	2	0.5089 1016 total	DB1701	1660 0.5	
7.34	62.80	1	0.0000 1016	DB1701	1660 0.5	
7.54	110.33	1	0.0000 1016	DB1701	1660 0.5	
7.64	178.41	1	0.0000 1016	DB1701	1660 0.5	
8.04	112.68	1	0.0000 1016	DB1701	1660 0.5	
8.25	906.06	1	0.0000 1016	DB1701	1660 0.5	
8.61	381.76	1	0.0000 1016	DB1701	1660 0.5	
8.87	298.57	1	0.0000 1016	DB1701	1660 0.5	
9.20	167.22	1	0.0000 1016	DB1701	1660 0.5	
9.25	332.11	1	0.0000 1016	DB1701	1660 0.5	
9.87	361.84	1	0.0000 1016	DB1701	1660 0.5	
10.16	313.15	1	0.0000 1016	DB1701	1660 0.5	
10.55	59.85	1	0.0000 1016	DB1701	1660 0.5	
10.74	24.19	1	0.0000 1016	DB1701	1660 0.5	
11.02	236.83	1	0.0000 1016	DB1701	1660 0.5	
11.43	23.04	1	0.0000 1016	DB1701	1660 0.5	
11.58	212.00	0	0.0000 -	DB1701	1660 0.5	
12.48	40.43	0	0.0000 -	DB1701	1660 0.5	
12.59	79.84	3	0.0000 1260	DB1701	1660 0.5	
12.59	7398.51	4	0.5204 1260 TOTAL	DB1701	1660 0.5	
12.80	109.38	3	0.0000 1260	DB1701	1660 0.5	
12.93	234.17	3	0.0000 1260	DB1701	1660 0.5	
13.04	54.12	3	0.0000 1260	DB1701	1660 0.5	
13.09	88.00	3	0.0000 1260	DB1701	1660 0.5	
31	471.33	3	0.0000 1260	DB1701	1660 0.5	
1	35.67	3	0.0000 1260	DB1701	1660 0.5	
13.65	37.13	3	0.0000 1260	DB1701	1660 0.5	
13.81	92.15	3	0.0000 1260	DB1701	1660 0.5	
13.97	614.41	3	0.0000 1260	DB1701	1660 0.5	
14.23	298.43	3	0.0000 1260	DB1701	1660 0.5	
14.44	338.96	3	0.0000 1260	DB1701	1660 0.5	
14.73	21.25	3	0.0000 1260	DB1701	1660 0.5	
14.89	885.86	3	0.0000 1260	DB1701	1660 0.5	
15.04	31.17	3	0.0000 1260	DB1701	1660 0.5	
15.16	426.75	3	0.0000 1260	DB1701	1660 0.5	
15.28	237.09	3	0.0000 1260	DB1701	1660 0.5	
15.55	25.23	3	0.0000 1260	DB1701	1660 0.5	
15.66	94.21	3	0.0000 1260	DB1701	1660 0.5	
15.82	94.25	3	0.0000 1260	DB1701	1660 0.5	
15.96	381.36	3	0.0000 1260	DB1701	1660 0.5	
16.09	227.71	3	0.0000 1260	DB1701	1660 0.5	
16.20	117.17	3	0.0000 1260	DB1701	1660 0.5	
16.46	64.29	3	0.0000 1260	DB1701	1660 0.5	
16.58	90.96	3	0.0000 1260	DB1701	1660 0.5	
16.76	1061.39	3	0.0000 1260	DB1701	1660 0.5	
16.86	95.34	3	0.0000 1260	DB1701	1660 0.5	
16.93	27.67	3	0.0000 1260	DB1701	1660 0.5	
17.69	762.36	3	0.0000 1260	DB1701	1660 0.5	
17.83	300.83	3	0.0000 1260	DB1701	1660 0.5	
18.57	23.67	0	0.0000 -	DB1701	1660 0.5	
18.76	110.67	0	0.0000 -	DB1701	1660 0.5	
19.44	253.85	0	0.0000 -	DB1701	1660 0.5	
20.27	40.07	0	0.0000 -	DB1701	1660 0.5	
20.73	1649.14	5	104.5212 DCB	DB1701	1660 0.5	
	27576.49	62	105.5506			

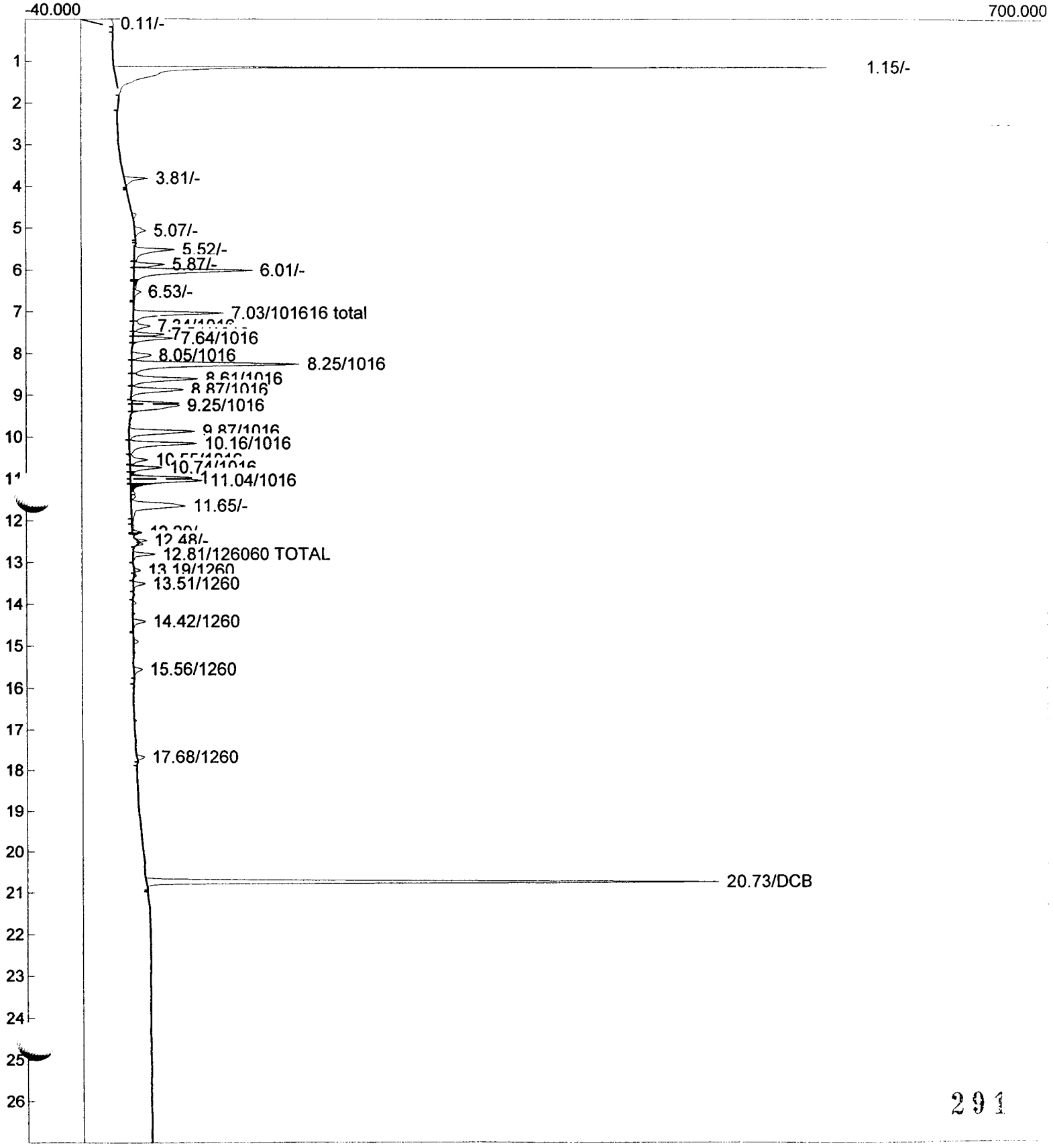
Analysis date: 11/20/2002 11:08:17
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Data file: b980.CHR ()
Sample: 1221 0.5
Operator: KEN FULLER



Number	Retention	Area	Component	External	Sample
0	0.13	150.77	-	0.0000 1221 0.5	
0	1.14	1300.72	-	0.0000 1221 0.5	
0	3.81	78.42	-	0.0000 1221 0.5	
6	0.00	0.00	TCMX	0.0000 1221 0.5	
	5.06	34.60	-	0.0000 1221 0.5	
0	5.51	112.87	-	0.0000 1221 0.5	
0	5.87	52.22	-	0.0000 1221 0.5	
0	6.01	241.60	-	0.0000 1221 0.5	
1	7.03	39.56	1016	0.0000 1221 0.5	
2	7.03	128.40	1016 total	0.0164 1221 0.5	
1	8.26	59.46	1016	0.0000 1221 0.5	
1	11.03	29.38	1016	0.0000 1221 0.5	
0	11.65	31.95	-	0.0000 1221 0.5	
4	15.55	88.49	1260 TOTAL	0.0062 1221 0.5	
3	15.55	49.54	1260	0.0000 1221 0.5	
3	17.67	38.95	1260	0.0000 1221 0.5	
5	20.72	1636.84	DCB	103.7417 1221 0.5	
16		4073.76		103.7643	

480.85

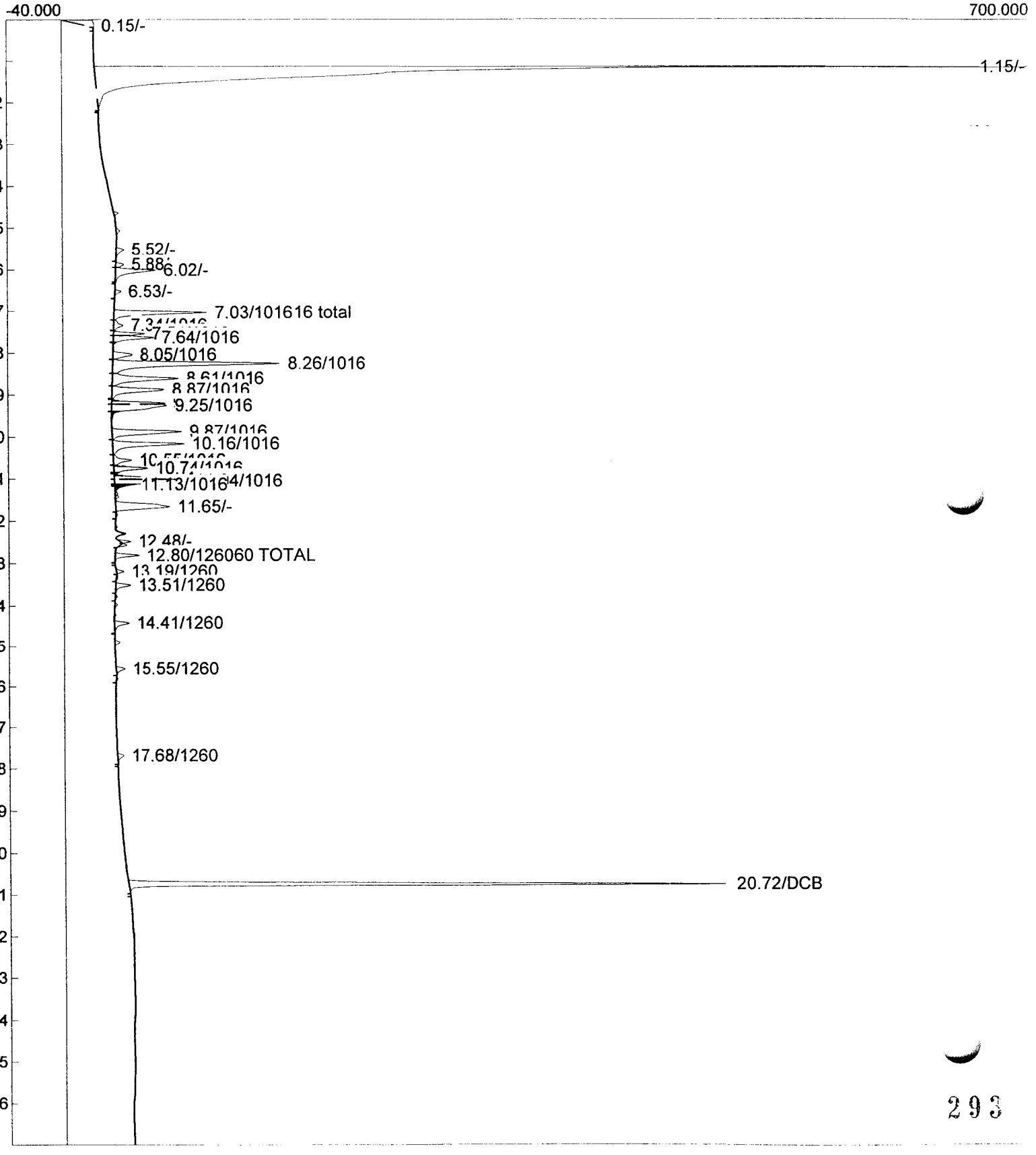
Lab name: AES
Analysis date: 11/20/2002 11:51:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B981.chr ()
Sample: 1232 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component		Column	
0.11	132.55	0	0.0000	-	DB1701		1232 0.5
1.15	1260.52	0	0.0000	-	DB1701		1232 0.5
3.81	87.52	0	0.0000	-	DB1701		1232 0.5
0.00	0.00	6	0.0000	TCMX	DB1701		1232 0.5
5.07	57.32	0	0.0000	-	DB1701		1232 0.5
5.52	198.25	0	0.0000	-	DB1701		1232 0.5
5.87	111.19	0	0.0000	-	DB1701		1232 0.5
6.01	538.76	0	0.0000	-	DB1701		1232 0.5
6.53	37.46	0	0.0000	-	DB1701		1232 0.5
7.03	358.06	1	0.0000	1016	DB1701		1232 0.5
7.03	3677.43	2	0.4695	1016 total	DB1701		1232 0.5
7.34	87.89	1	0.0000	1016	DB1701		1232 0.5
7.54	93.80	1	0.0000	1016	DB1701		1232 0.5
7.64	147.41	1	0.0000	1016	DB1701		1232 0.5
8.05	94.64	1	0.0000	1016	DB1701		1232 0.5
8.25	750.25	1	0.0000	1016	DB1701		1232 0.5
8.61	311.51	1	0.0000	1016	DB1701		1232 0.5
8.87	239.36	1	0.0000	1016	DB1701		1232 0.5
9.20	115.08	1	0.0000	1016	DB1701		1232 0.5
9.25	246.71	1	0.0000	1016	DB1701		1232 0.5
9.87	300.94	1	0.0000	1016	DB1701		1232 0.5
10.16	307.37	1	0.0000	1016	DB1701		1232 0.5
10.55	81.19	1	0.0000	1016	DB1701		1232 0.5
10.74	113.09	1	0.0000	1016	DB1701		1232 0.5
10.98	159.70	1	0.0000	1016	DB1701		1232 0.5
11.04	270.43	1	0.0000	1016	DB1701		1232 0.5
11.65	357.14	0	0.0000	-	DB1701		1232 0.5
12.29	21.24	0	0.0000	-	DB1701		1232 0.5
12.48	21.76	0	0.0000	-	DB1701		1232 0.5
12.81	262.62	4	0.0185	1260 TOTAL	DB1701		1232 0.5
12.81	73.35	3	0.0000	1260	DB1701		1232 0.5
13.19	21.11	3	0.0000	1260	DB1701		1232 0.5
13.51	44.92	3	0.0000	1260	DB1701		1232 0.5
14.42	53.83	3	0.0000	1260	DB1701		1232 0.5
15.56	40.27	3	0.0000	1260	DB1701		1232 0.5
17.68	29.15	3	0.0000	1260	DB1701		1232 0.5
20.73	1637.12	5	103.7596	DCB	DB1701		1232 0.5
	12340.94	36	104.2475				

2105.99

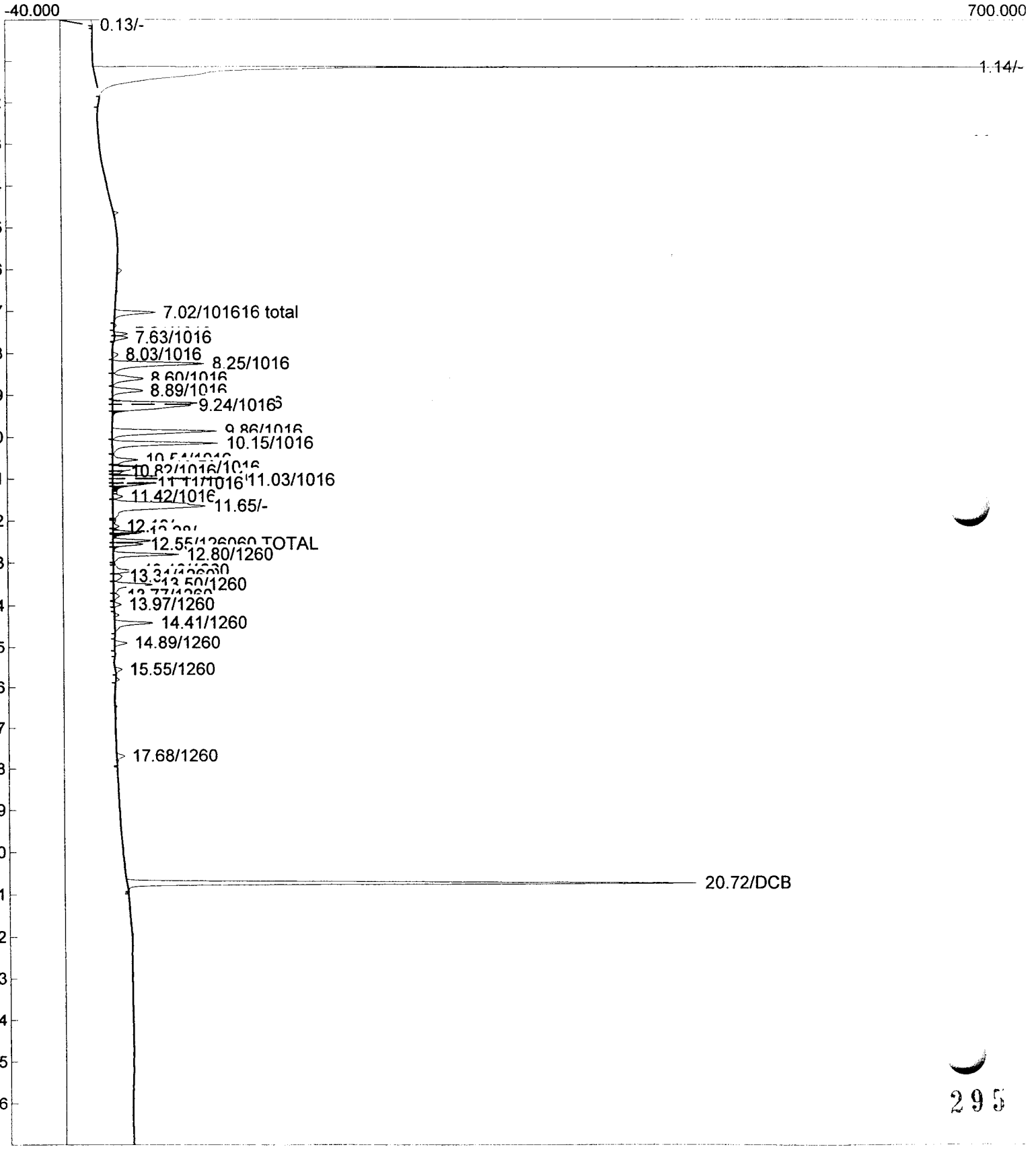
Lab name: AES
Analysis date: 11/20/2002 12:34:17
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B982.chr ()
Sample: 1242 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.15	123.44	0	0.0000 -		DB1701	1242 0.5
1.15	5919.85	0	0.0000 -		DB1701	1242 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1242 0.5
5.52	41.17	0	0.0000 -		DB1701	1242 0.5
98	30.90	0	0.0000 -		DB1701	1242 0.5
02	191.43	0	0.0000 -		DB1701	1242 0.5
6.53	22.34	0	0.0000 -		DB1701	1242 0.5
7.03	345.66	1	0.0000 1016		DB1701	1242 0.5
7.03	3816.20	2	0.4872	1016 total	DB1701	1242 0.5
7.34	52.04	1	0.0000 1016		DB1701	1242 0.5
7.54	92.57	1	0.0000 1016		DB1701	1242 0.5
7.64	152.07	1	0.0000 1016		DB1701	1242 0.5
8.05	95.13	1	0.0000 1016		DB1701	1242 0.5
8.26	756.37	1	0.0000 1016		DB1701	1242 0.5
8.61	327.96	1	0.0000 1016		DB1701	1242 0.5
8.87	259.46	1	0.0000 1016		DB1701	1242 0.5
9.20	135.37	1	0.0000 1016		DB1701	1242 0.5
9.25	290.83	1	0.0000 1016		DB1701	1242 0.5
9.87	315.84	1	0.0000 1016		DB1701	1242 0.5
10.16	322.90	1	0.0000 1016		DB1701	1242 0.5
10.55	82.43	1	0.0000 1016		DB1701	1242 0.5
10.74	121.44	1	0.0000 1016		DB1701	1242 0.5
10.98	160.13	1	0.0000 1016		DB1701	1242 0.5
11.04	281.05	1	0.0000 1016		DB1701	1242 0.5
11.13	24.97	1	0.0000 1016		DB1701	1242 0.5
11.65	316.47	0	0.0000 -		DB1701	1242 0.5
12.48	24.38	0	0.0000 -		DB1701	1242 0.5
12.80	77.01	3	0.0000 1260		DB1701	1242 0.5
12.80	284.94	4	0.0200	1260 TOTAL	DB1701	1242 0.5
13.19	23.13	3	0.0000 1260		DB1701	1242 0.5
13.51	56.28	3	0.0000 1260		DB1701	1242 0.5
14.41	61.41	3	0.0000 1260		DB1701	1242 0.5
15.55	36.92	3	0.0000 1260		DB1701	1242 0.5
17.68	30.18	3	0.0000 1260		DB1701	1242 0.5
72	1717.06	5	108.8264 DCB		DB1701	1242 0.5
	16589.32	34	109.3336			

2005.29

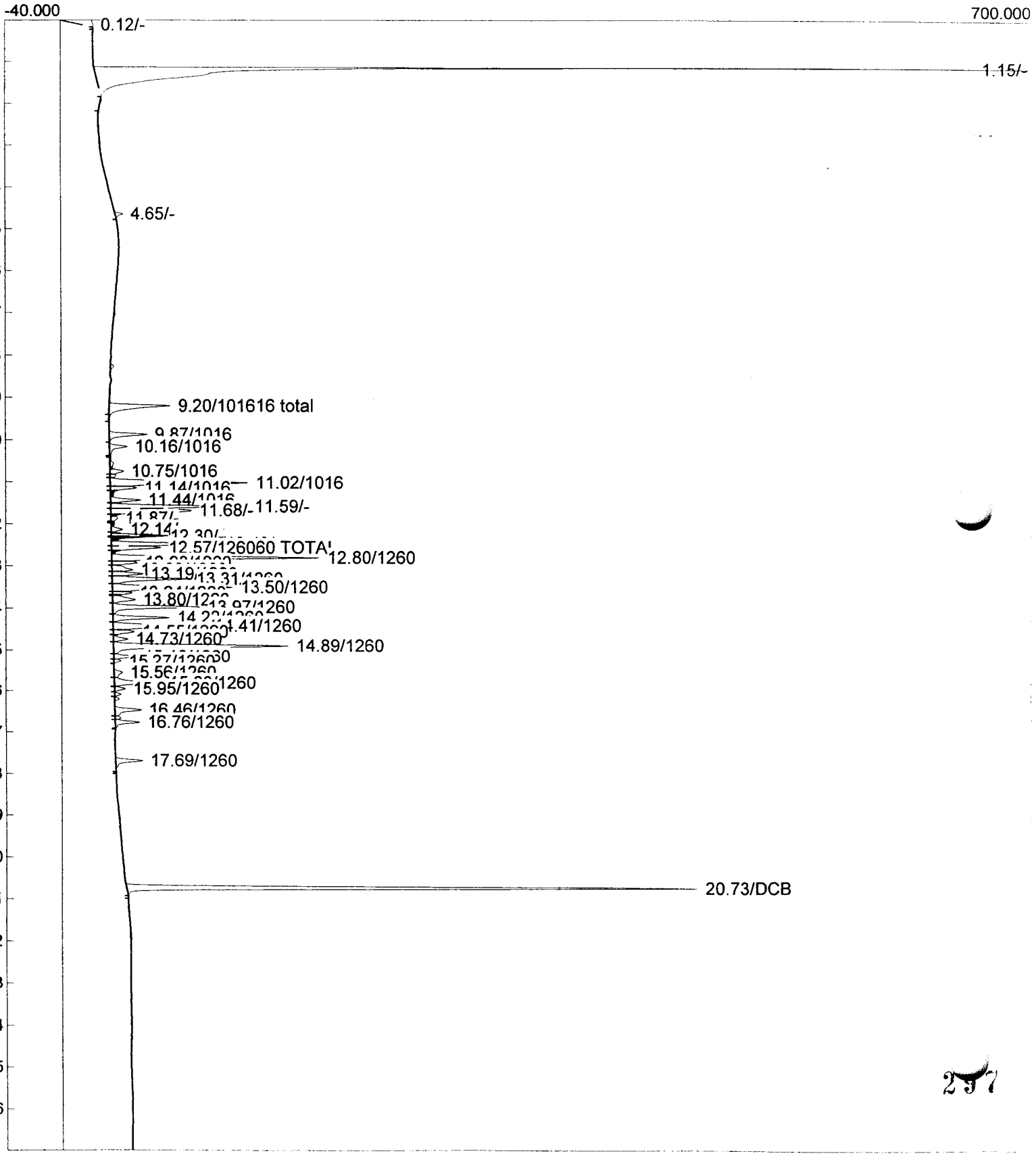
Lab name: AES
Analysis date: 11/20/2002 13:17:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B983.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	Sa
0.13	104.84	0	0.0000 -		DB1701	1248 0.5
1.14	2651.41	0	0.0000 -		DB1701	1248 0.5
0.00	0.00	6	0.0000 TCMX		DB1701	1248 0.5
7.02	3621.44	2	0.4623	1016 total	DB1701	1248 0.5
02	156.75	1	0.0000 1016		DB1701	1248 0.5
54	38.45	1	0.0000 1016		DB1701	1248 0.5
7.63	46.17	1	0.0000 1016		DB1701	1248 0.5
8.03	24.51	1	0.0000 1016		DB1701	1248 0.5
8.25	431.54	1	0.0000 1016		DB1701	1248 0.5
8.60	163.20	1	0.0000 1016		DB1701	1248 0.5
8.89	143.80	1	0.0000 1016		DB1701	1248 0.5
9.19	225.80	1	0.0000 1016		DB1701	1248 0.5
9.24	380.05	1	0.0000 1016		DB1701	1248 0.5
9.86	445.03	1	0.0000 1016		DB1701	1248 0.5
10.15	409.59	1	0.0000 1016		DB1701	1248 0.5
10.54	107.28	1	0.0000 1016		DB1701	1248 0.5
10.73	171.37	1	0.0000 1016		DB1701	1248 0.5
10.82	25.01	1	0.0000 1016		DB1701	1248 0.5
10.98	283.82	1	0.0000 1016		DB1701	1248 0.5
11.03	454.67	1	0.0000 1016		DB1701	1248 0.5
11.11	77.39	1	0.0000 1016		DB1701	1248 0.5
11.42	37.00	1	0.0000 1016		DB1701	1248 0.5
11.65	668.42	0	0.0000 -		DB1701	1248 0.5
12.13	20.36	0	0.0000 -		DB1701	1248 0.5
12.28	66.60	0	0.0000 -		DB1701	1248 0.5
12.47	118.36	0	0.0000 -		DB1701	1248 0.5
12.55	91.30	3	0.0000 1260		DB1701	1248 0.5
12.55	938.43	4	0.0660	1260 TOTAL	DB1701	1248 0.5
12.80	222.75	3	0.0000 1260		DB1701	1248 0.5
13.18	86.37	3	0.0000 1260		DB1701	1248 0.5
13.31	48.59	3	0.0000 1260		DB1701	1248 0.5
13.50	164.77	3	0.0000 1260		DB1701	1248 0.5
13.77	27.28	3	0.0000 1260		DB1701	1248 0.5
13.97	25.16	3	0.0000 1260		DB1701	1248 0.5
41	158.43	3	0.0000 1260		DB1701	1248 0.5
39	45.66	3	0.0000 1260		DB1701	1248 0.5
15.55	28.36	3	0.0000 1260		DB1701	1248 0.5
17.68	39.78	3	0.0000 1260		DB1701	1248 0.5
20.72	1631.20	5	103.3846 DCB		DB1701	1248 0.5
	14380.95	38	103.9130			

2211.96

Lab name: AES
Analysis date: 11/20/2002 14:00:15
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: B984.chr ()
Sample: 1254 0.5
Operator: KEN FULLER

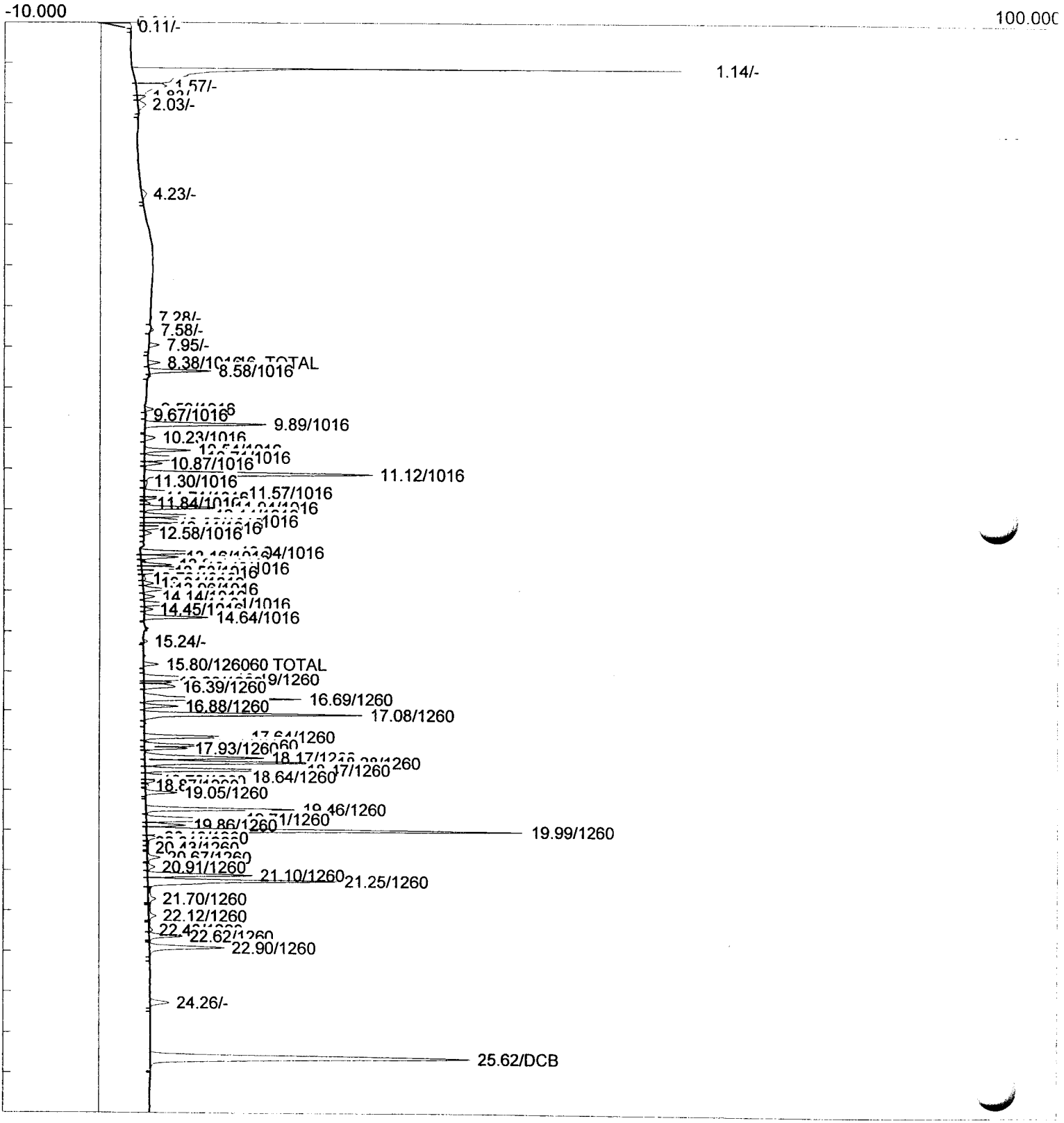


Retention	Area	Number	External	Component	Column	S
0.12	119.40	0	0.0000 -	DB1701	1254 0.5	
1.15	2692.73	0	0.0000 -	DB1701	1254 0.5	
4.65	24.19	0	0.0000 -	DB1701	1254 0.5	
0.00	0.00	6	0.0000 TCMX	DB1701	1254 0.5	
20	1251.57	2	0.1598 1016 total	DB1701	1254 0.5	
.20	265.69	1	0.0000 1016	DB1701	1254 0.5	
9.87	137.09	1	0.0000 1016	DB1701	1254 0.5	
10.16	73.62	1	0.0000 1016	DB1701	1254 0.5	
10.75	51.13	1	0.0000 1016	DB1701	1254 0.5	
11.02	542.23	1	0.0000 1016	DB1701	1254 0.5	
11.14	83.05	1	0.0000 1016	DB1701	1254 0.5	
11.44	98.76	1	0.0000 1016	DB1701	1254 0.5	
11.59	390.62	0	0.0000 -	DB1701	1254 0.5	
11.68	341.99	0	0.0000 -	DB1701	1254 0.5	
11.87	29.84	0	0.0000 -	DB1701	1254 0.5	
12.14	40.99	0	0.0000 -	DB1701	1254 0.5	
12.29	113.98	0	0.0000 -	DB1701	1254 0.5	
12.30	38.73	0	0.0000 -	DB1701	1254 0.5	
12.48	321.96	0	0.0000 -	DB1701	1254 0.5	
12.57	4172.01	4	0.2935 1260 TOTAL	DB1701	1254 0.5	
12.57	160.98	3	0.0000 1260	DB1701	1254 0.5	
12.80	627.91	3	0.0000 1260	DB1701	1254 0.5	
12.93	82.52	3	0.0000 1260	DB1701	1254 0.5	
13.09	93.60	3	0.0000 1260	DB1701	1254 0.5	
13.19	99.34	3	0.0000 1260	DB1701	1254 0.5	
13.31	269.57	3	0.0000 1260	DB1701	1254 0.5	
13.50	439.34	3	0.0000 1260	DB1701	1254 0.5	
13.64	57.07	3	0.0000 1260	DB1701	1254 0.5	
13.80	102.74	3	0.0000 1260	DB1701	1254 0.5	
13.97	284.26	3	0.0000 1260	DB1701	1254 0.5	
14.22	178.92	3	0.0000 1260	DB1701	1254 0.5	
14.41	356.88	3	0.0000 1260	DB1701	1254 0.5	
14.55	73.58	3	0.0000 1260	DB1701	1254 0.5	
14.73	50.00	3	0.0000 1260	DB1701	1254 0.5	
.89	643.88	3	0.0000 1260	DB1701	1254 0.5	
.16	75.33	3	0.0000 1260	DB1701	1254 0.5	
15.27	22.75	3	0.0000 1260	DB1701	1254 0.5	
15.56	44.39	3	0.0000 1260	DB1701	1254 0.5	
15.80	176.05	3	0.0000 1260	DB1701	1254 0.5	
15.95	35.22	3	0.0000 1260	DB1701	1254 0.5	
16.46	110.85	3	0.0000 1260	DB1701	1254 0.5	
16.76	84.39	3	0.0000 1260	DB1701	1254 0.5	
17.69	102.44	3	0.0000 1260	DB1701	1254 0.5	
20.73	1620.07	5	102.6790 DCB	DB1701	1254 0.5	
	16581.67	43	103.1322			

2169.98

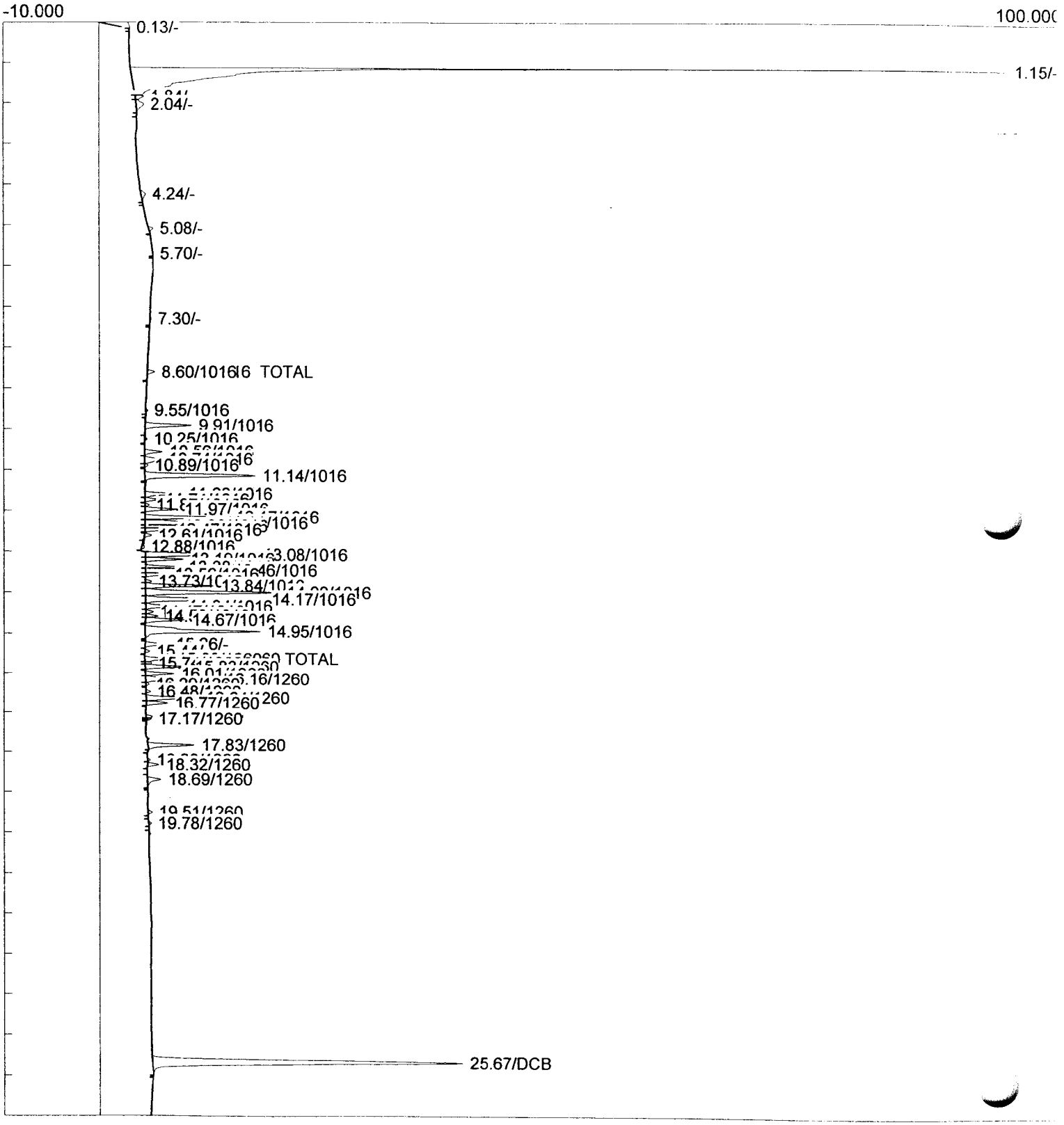
+8.20

Lab name: AES
Analysis date: 11/16/2002 05:37:47
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C920.CHR ()
Sample: 1660 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
8.38	639.52	1016 TOTAL	0.5000 608		1660 0.5
8.38	5.42	1016	0.0000 608		1660 0.5
8.58	25.99	1016	0.0000 608		1660 0.5
9.53	4.47	1016	0.0000 608		1660 0.5
9.67	1.00	1016	0.0000 608		1660 0.5
9	56.90	1016	0.0000 608		1660 0.5
23	5.85	1016	0.0000 608		1660 0.5
10.54	19.80	1016	0.0000 608		1660 0.5
10.71	33.07	1016 8-15	0.0000 608		1660 0.5
10.87	7.66	1016	0.0000 608		1660 0.5
11.12	123.18	1016	0.0000 608		1660 0.5
11.30	2.56	1016	0.0000 608		1660 0.5
11.57	45.73	1016	0.0000 608		1660 0.5
11.71	5.30	1016	0.0000 608		1660 0.5
11.84	2.33	1016	0.0000 608		1660 0.5
11.94	34.08	1016	0.0000 608		1660 0.5
12.14	26.02	1016	0.0000 608		1660 0.5
12.27	33.51	1016	0.0000 608		1660 0.5
12.35	10.19	1016	0.0000 608		1660 0.5
12.44	11.29	1016	0.0000 608		1660 0.5
12.58	3.62	1016	0.0000 608		1660 0.5
13.04	42.01	1016	0.0000 608		1660 0.5
13.16	16.43	1016	0.0000 608		1660 0.5
13.35	11.87	1016	0.0000 608		1660 0.5
13.43	23.78	1016	0.0000 608		1660 0.5
13.53	10.70	1016	0.0000 608		1660 0.5
13.70	1.84	1016	0.0000 608		1660 0.5
13.81	4.91	1016	0.0000 608		1660 0.5
13.96	13.24	1016	0.0000 608		1660 0.5
14.14	4.82	1016	0.0000 608		1660 0.5
14.31	22.27	1016	0.0000 608		1660 0.5
14.45	3.12	1016	0.0000 608		1660 0.5
14.64	26.55	1016	0.0000 608		1660 0.5
15.80	6.48	1260	0.0000 608		1660 0.5
15.80	1179.46	1260 TOTAL 8.5-24	0.5000 608		1660 0.5
16.19	50.42	1260	0.0000 608		1660 0.5
16.28	10.52	1260	0.0000 608		1660 0.5
39	20.50	1260	0.0000 608		1660 0.5
9	71.93	1260	0.0000 608		1660 0.5
88	14.42	1260	0.0000 608		1660 0.5
17.08	95.03	1260	0.0000 608		1660 0.5
17.64	41.84	1260	0.0000 608		1660 0.5
17.86	26.49	1260	0.0000 608		1660 0.5
17.93	16.65	1260	0.0000 608		1660 0.5
18.17	59.92	1260	0.0000 608		1660 0.5
18.28	82.61	1260	0.0000 608		1660 0.5
18.47	66.02	1260	0.0000 608		1660 0.5
18.64	43.99	1260	0.0000 608		1660 0.5
18.76	4.41	1260	0.0000 608		1660 0.5
18.87	1.42	1260	0.0000 608		1660 0.5
19.05	13.94	1260	0.0000 608		1660 0.5
19.46	65.78	1260	0.0000 608		1660 0.5
19.71	55.97	1260	0.0000 608		1660 0.5
19.86	16.97	1260	0.0000 608		1660 0.5
19.99	167.83	1260	0.0000 608		1660 0.5
20.18	6.01	1260	0.0000 608		1660 0.5
20.31	1.01	1260	0.0000 608		1660 0.5
20.43	1.15	1260	0.0000 608		1660 0.5
20.67	7.86	1260	0.0000 608		1660 0.5
20.91	4.81	1260	0.0000 608		1660 0.5
21.10	48.48	1260	0.0000 608		1660 0.5
21.25	100.97	1260	0.0000 608		1660 0.5
21.70	6.75	1260	0.0000 608		1660 0.5
22.12	5.81	1260	0.0000 608		1660 0.5
22.48	1.96	1260	0.0000 608		1660 0.5
22.62	18.02	1260	0.0000 608		1660 0.5
22.90	43.50	1260	0.0000 608		1660 0.5
25.62	231.53	DCB	100.0000 608		1660 0.5
	3869.50		101.0000		

Lab name: AES
Analysis date: 11/16/2002 08:29:38
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C924.chr ()
Sample: 1248 0.5
Operator: KEN FULLER

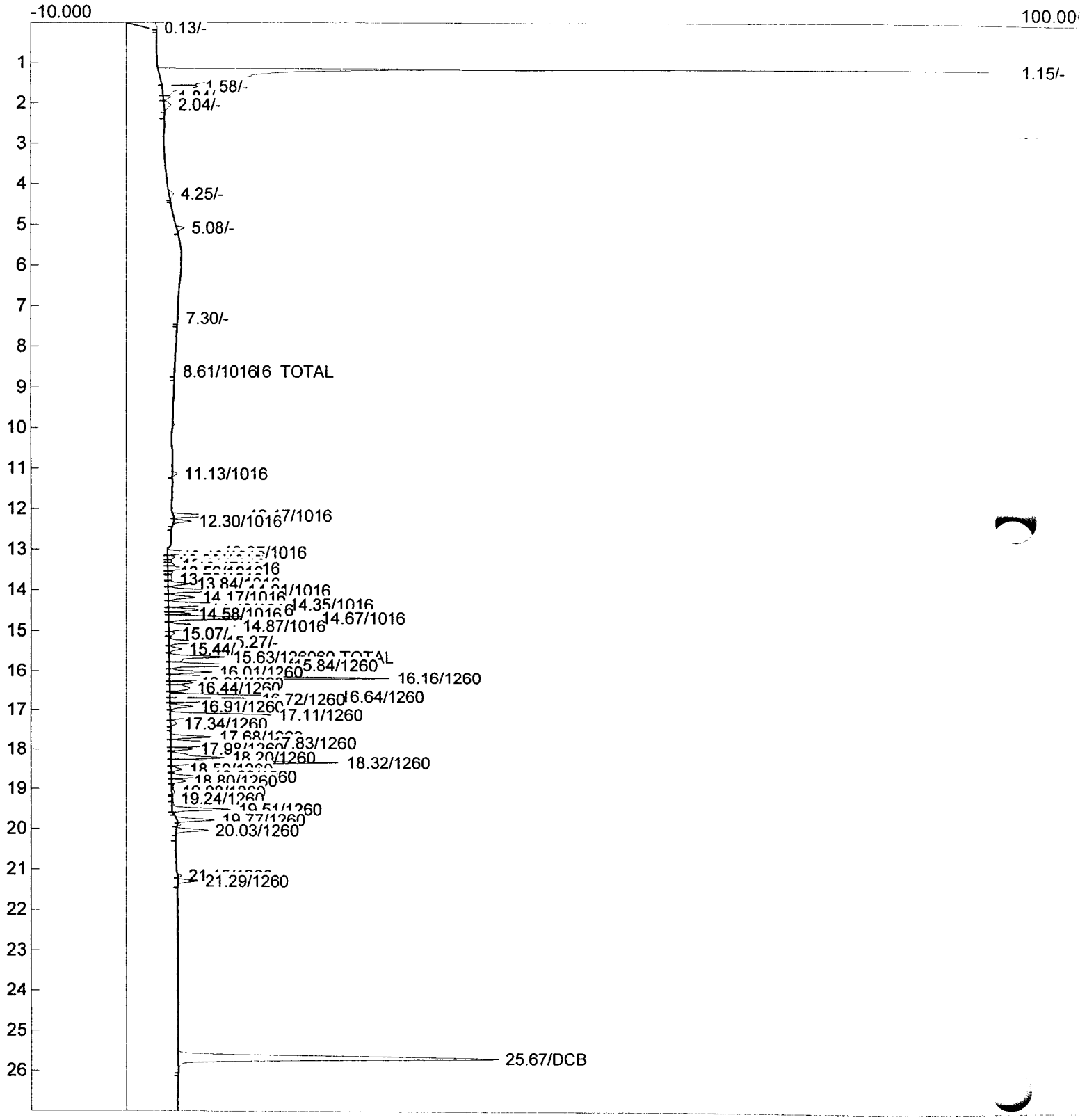


Retention	Area	Component	External	Column	Sample
8.60	598.73	1016 TOTAL	0.4681	608	1248 0.5
8.60	3.63	1016	0.0000	608	1248 0.5
9.55	1.03	1016	0.0000	608	1248 0.5
9.91	21.77	1016	0.0000	608	1248 0.5
[illegible]25	1.17	1016	0.0000	608	1248 0.5
6	8.15	1016	0.0000	608	1248 0.5
[illegible]74	10.45	1016	0.0000	608	1248 0.5
10.89	1.47	1016	0.0000	608	1248 0.5
11.14	61.36	1016	0.0000	608	1248 0.5
11.60	15.41	1016	0.0000	608	1248 0.5
11.74	5.40	1016	0.0000	608	1248 0.5
11.87	1.59	1016	0.0000	608	1248 0.5
11.97	13.06	1016	0.0000	608	1248 0.5
12.17	33.37	1016	0.0000	608	1248 0.5
12.30	35.03	1016	0.0000	608	1248 0.5
12.38	11.48	1016	0.0000	608	1248 0.5
12.47	10.05	1016	0.0000	608	1248 0.5
12.61	3.35	1016	0.0000	608	1248 0.5
12.88	1.55	1016	0.0000	608	1248 0.5
13.08	45.91	1016	0.0000	608	1248 0.5
13.19	15.02	1016	0.0000	608	1248 0.5
13.38	12.58	1016	0.0000	608	1248 0.5
13.46	33.30	1016	0.0000	608	1248 0.5
13.56	8.49	1016	0.0000	608	1248 0.5
13.73	2.33	1016	0.0000	608	1248 0.5
13.84	28.00	1016	0.0000	608	1248 0.5
14.00	61.46	1016	0.0000	608	1248 0.5
14.17	49.39	1016	0.0000	608	1248 0.5
14.34	15.08	1016	0.0000	608	1248 0.5
14.47	3.02	1016	0.0000	608	1248 0.5
14.58	4.51	1016	0.0000	608	1248 0.5
14.67	17.09	1016	0.0000	608	1248 0.5
14.95	63.23	1016	0.0000	608	1248 0.5
15.63	155.19	1260 TOTAL	0.0658	608	1248 0.5
15.63	11.89	1260	0.0000	608	1248 0.5
15.74	2.57	1260	0.0000	608	1248 0.5
15.83	17.84	1260	0.0000	608	1248 0.5
[illegible]01	12.00	1260	0.0000	608	1248 0.5
[illegible]6	31.79	1260	0.0000	608	1248 0.5
[illegible]9	1.40	1260	0.0000	608	1248 0.5
[illegible].48	1.88	1260	0.0000	608	1248 0.5
16.64	23.44	1260	0.0000	608	1248 0.5
16.77	9.78	1260	0.0000	608	1248 0.5
17.11	2.62	1260	0.0000	608	1248 0.5
17.17	1.53	1260	0.0000	608	1248 0.5
17.83	21.24	1260	0.0000	608	1248 0.5
18.20	1.14	1260	0.0000	608	1248 0.5
18.32	4.77	1260	0.0000	608	1248 0.5
18.69	7.99	1260	0.0000	608	1248 0.5
19.51	2.00	1260	0.0000	608	1248 0.5
19.78	1.30	1260	0.0000	608	1248 0.5
25.67	224.47	DCB	96.9488	608	1248 0.5
	1732.31		97.4827		

Ref 1248

208.97

Lab name: AES
Analysis date: 11/16/2002 09:12:35
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C925.chr ()
Sample: 1254 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	17.59 -		0.0000 608		1254 0.5
1.15	307.01 -		0.0000 608		1254 0.5
1.58	30.58 -		0.0000 608		1254 0.5
1.84	4.40 -		0.0000 608		1254 0.5
2.04	7.41 -		0.0000 608		1254 0.5
25	4.46 -		0.0000 608		1254 0.5
.08	4.01 -		0.0000 608		1254 0.5
7.30	1.07 -		0.0000 608		1254 0.5
8.61	311.35 1016	TOTAL	0.2434 608		1254 0.5
8.61	1.00 1016		0.0000 608		1254 0.5
11.13	2.38 1016		0.0000 608		1254 0.5
12.17	26.50 1016		0.0000 608		1254 0.5
12.30	7.03 1016		0.0000 608		1254 0.5
13.07	21.24 1016		0.0000 608		1254 0.5
13.19	4.11 1016		0.0000 608		1254 0.5
13.28	1.90 1016		0.0000 608		1254 0.5
13.38	2.85 1016		0.0000 608		1254 0.5
13.47	10.56 1016		0.0000 608		1254 0.5
13.56	2.16 1016		0.0000 608		1254 0.5
13.73	3.44 1016		0.0000 608		1254 0.5
13.84	10.49 1016		0.0000 608		1254 0.5
14.01	32.80 1016		0.0000 608		1254 0.5
14.17	13.42 1016		0.0000 608		1254 0.5
14.35	48.61 1016		0.0000 608		1254 0.5
14.48	15.09 1016		0.0000 608		1254 0.5
14.58	7.76 1016		0.0000 608		1254 0.5
14.67	63.70 1016		0.0000 608		1254 0.5
14.87	36.32 1016		0.0000 608		1254 0.5
15.07	2.94 -		0.0000 608		1254 0.5
15.27	22.22 -		0.0000 608		1254 0.5
15.44	6.19 -		0.0000 608		1254 0.5
15.63	704.89 1260	TOTAL	0.2988 608		1254 0.5
15.63	30.24 1260		0.0000 608		1254 0.5
15.84	51.19 1260		0.0000 608		1254 0.5
16.01	18.28 1260		0.0000 608		1254 0.5
16.16	100.06 1260		0.0000 608		1254 0.5
16.30	10.93 1260		0.0000 608		1254 0.5
16.44	17.09 1260		0.0000 608		1254 0.5
34	70.92 1260		0.0000 608		1254 0.5
72	43.36 1260		0.0000 608		1254 0.5
16.91	10.79 1260		0.0000 608		1254 0.5
17.11	51.28 1260		0.0000 608		1254 0.5
17.34	4.40 1260		0.0000 608		1254 0.5
17.68	17.97 1260		0.0000 608		1254 0.5
17.83	64.49 1260		0.0000 608		1254 0.5
17.98	9.19 1260		0.0000 608		1254 0.5
18.20	28.95 1260		0.0000 608		1254 0.5
18.32	73.65 1260		0.0000 608		1254 0.5
18.50	5.70 1260		0.0000 608		1254 0.5
18.69	16.35 1260		0.0000 608		1254 0.5
18.80	7.34 1260		0.0000 608		1254 0.5
19.08	2.08 1260		0.0000 608		1254 0.5
19.24	1.18 1260		0.0000 608		1254 0.5
19.51	27.52 1260		0.0000 608		1254 0.5
19.77	17.08 1260		0.0000 608		1254 0.5
20.03	14.55 1260		0.0000 608		1254 0.5
21.15	1.52 1260		0.0000 608		1254 0.5
21.29	8.78 1260		0.0000 608		1254 0.5
25.67	234.80 DCB		101.4092 608		1254 0.5
	2675.16		101.9515		

1254

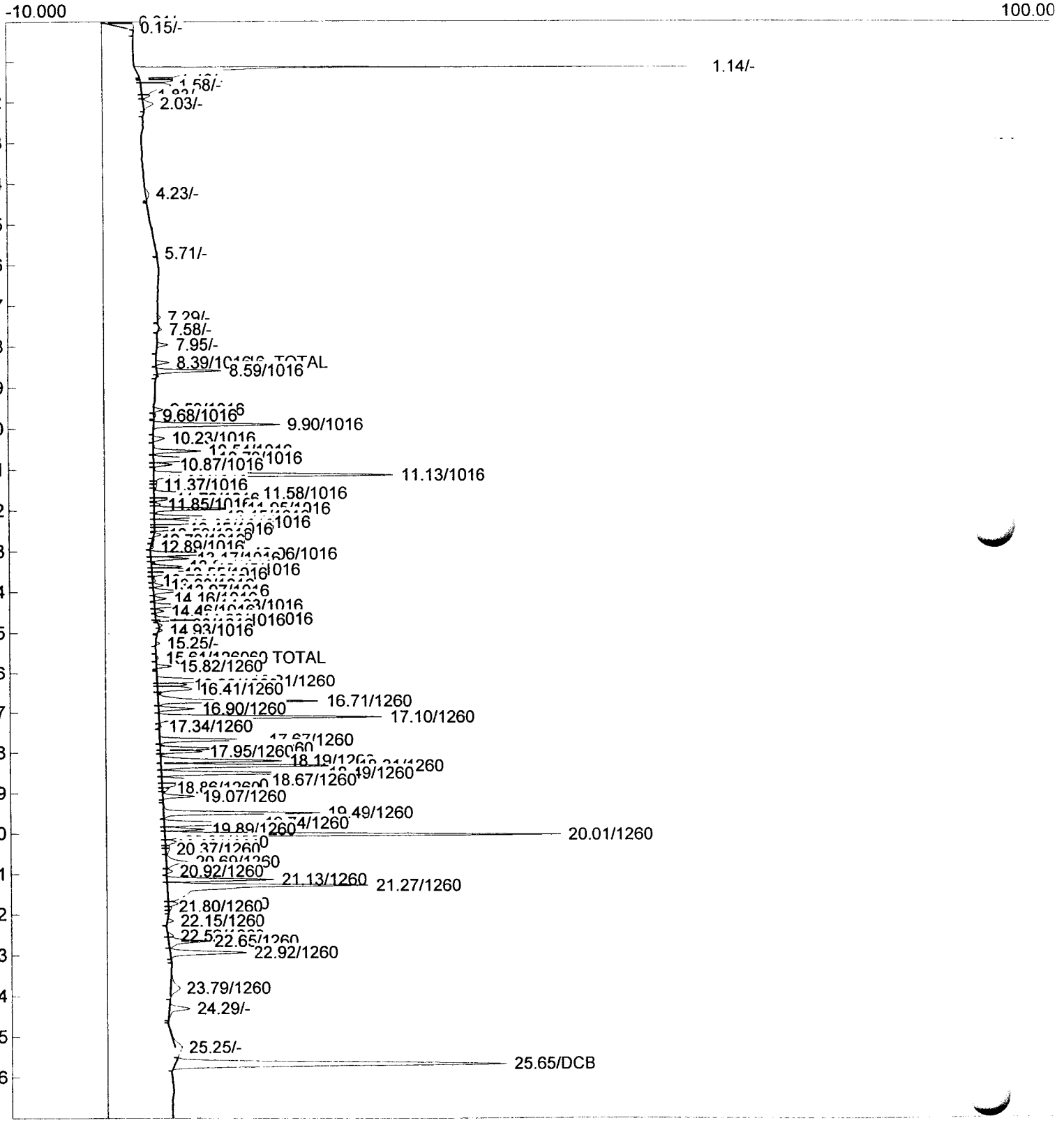
1254 Ref

1254

360.4

- 2.9

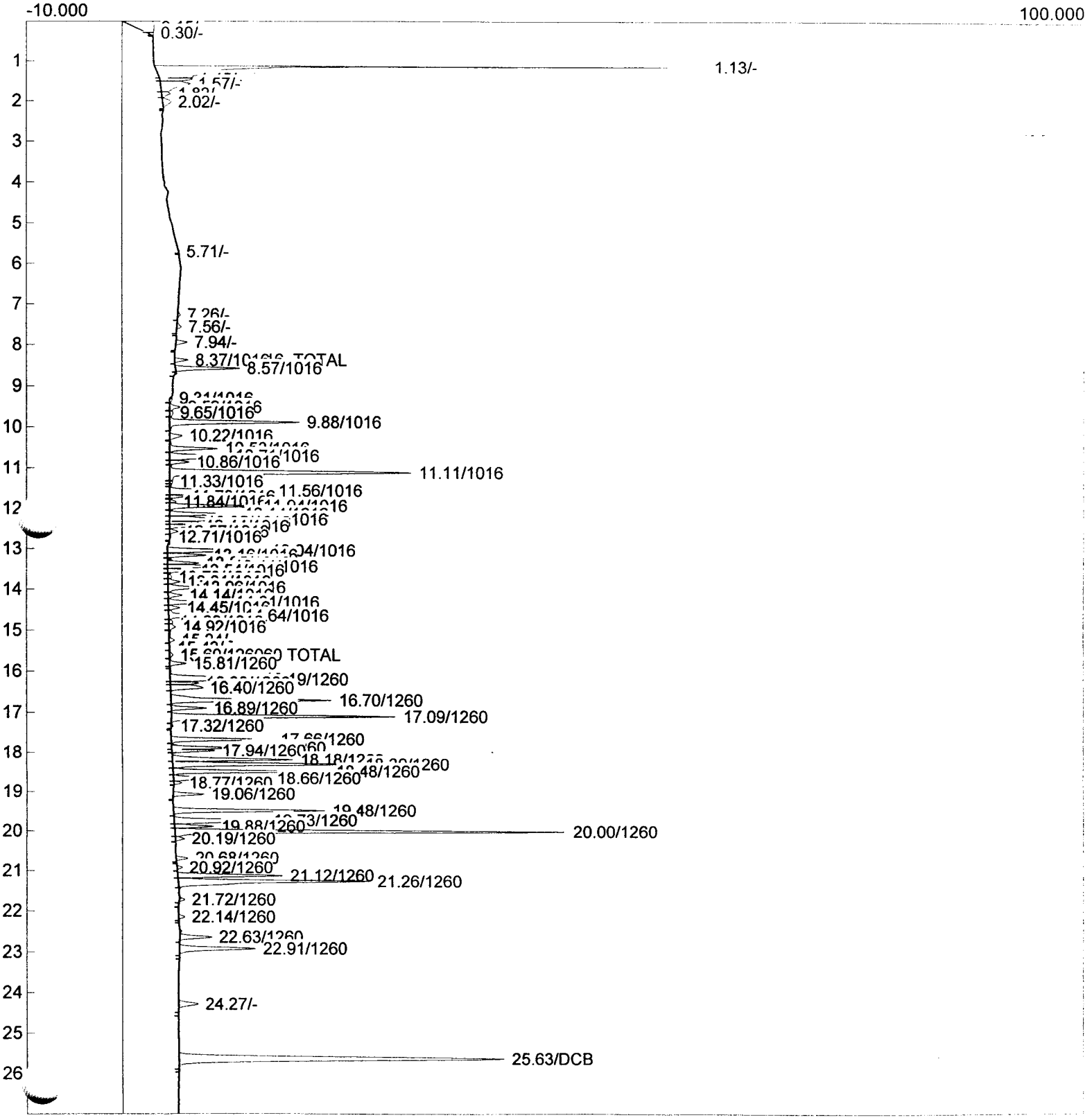
Lab name: AES
Analysis date: 11/16/2002 20:40:05
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C941.chr ()
Sample: 1660 0.5 CC1
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.01	6.68 -		0.0000 608		1660 0.5 CC1
0.15	15.06 -		0.0000 608		1660 0.5 CC1
1.14	154.32 -		0.0000 608		1660 0.5 CC1
1.42	9.88 -		0.0000 608		1660 0.5 CC1
1.46	13.36 -		0.0000 608		1660 0.5 CC1
58	35.23 -		0.0000 608		1660 0.5 CC1
.83	4.14 -		0.0000 608		1660 0.5 CC1
2.03	9.61 -		0.0000 608		1660 0.5 CC1
4.23	4.50 -		0.0000 608		1660 0.5 CC1
5.71	2.17 -		0.0000 608		1660 0.5 CC1
7.29	2.02 -		0.0000 608		1660 0.5 CC1
7.58	1.29 -		0.0000 608		1660 0.5 CC1
7.95	5.12 -		0.0000 608		1660 0.5 CC1
8.39	661.76	1016 TOTAL	0.5174 608	+3.5	1660 0.5 CC1
8.39	5.45	1016	0.0000 608		1660 0.5 CC1
8.59	26.74	1016	0.0000 608		1660 0.5 CC1
9.53	4.55	1016	0.0000 608		1660 0.5 CC1
9.68	1.26	1016	0.0000 608		1660 0.5 CC1
9.90	58.37	1016	0.0000 608		1660 0.5 CC1
10.23	6.15	1016	0.0000 608		1660 0.5 CC1
10.54	21.16	1016	0.0000 608		1660 0.5 CC1
10.72	34.17	1016	0.0000 608		1660 0.5 CC1
10.87	7.78	1016	0.0000 608		1660 0.5 CC1
11.13	127.19	1016	0.0000 608		1660 0.5 CC1
11.29	1.53	1016	0.0000 608		1660 0.5 CC1
11.37	1.61	1016	0.0000 608		1660 0.5 CC1
11.58	47.84	1016	0.0000 608		1660 0.5 CC1
11.72	5.94	1016	0.0000 608		1660 0.5 CC1
11.85	2.65	1016	0.0000 608		1660 0.5 CC1
11.95	34.84	1016	0.0000 608		1660 0.5 CC1
12.15	26.62	1016	0.0000 608		1660 0.5 CC1
12.29	33.90	1016	0.0000 608		1660 0.5 CC1
12.36	10.29	1016	0.0000 608		1660 0.5 CC1
12.45	10.92	1016	0.0000 608		1660 0.5 CC1
12.59	3.41	1016	0.0000 608		1660 0.5 CC1
12.73	1.21	1016	0.0000 608		1660 0.5 CC1
12.89	1.17	1016	0.0000 608		1660 0.5 CC1
06	42.74	1016	0.0000 608		1660 0.5 CC1
17	16.35	1016	0.0000 608		1660 0.5 CC1
.37	11.48	1016	0.0000 608		1660 0.5 CC1
13.45	24.22	1016	0.0000 608		1660 0.5 CC1
13.55	10.24	1016	0.0000 608		1660 0.5 CC1
13.72	1.59	1016	0.0000 608		1660 0.5 CC1
13.83	4.68	1016	0.0000 608		1660 0.5 CC1
13.97	13.56	1016	0.0000 608		1660 0.5 CC1
14.16	5.23	1016	0.0000 608		1660 0.5 CC1
14.33	23.08	1016	0.0000 608		1660 0.5 CC1
14.46	3.62	1016	0.0000 608		1660 0.5 CC1
14.66	22.89	1016	0.0000 608		1660 0.5 CC1
14.68	4.42	1016	0.0000 608		1660 0.5 CC1
14.80	1.57	1016	0.0000 608		1660 0.5 CC1
14.93	1.35	1016	0.0000 608		1660 0.5 CC1
15.25	1.52 -		0.0000 608		1660 0.5 CC1
15.61	1277.37	1260 TOTAL	0.5415 608	+8.3	1660 0.5 CC1
15.61	1.40	1260	0.0000 608		1660 0.5 CC1
15.82	6.13	1260	0.0000 608		1660 0.5 CC1
16.21	50.84	1260	0.0000 608		1660 0.5 CC1
16.30	11.74	1260	0.0000 608		1660 0.5 CC1
16.41	23.12	1260	0.0000 608		1660 0.5 CC1
16.71	75.35	1260	0.0000 608		1660 0.5 CC1
16.90	15.87	1260	0.0000 608		1660 0.5 CC1
17.10	96.11	1260	0.0000 608		1660 0.5 CC1
17.34	1.07	1260	0.0000 608		1660 0.5 CC1
17.67	42.75	1260	0.0000 608		1660 0.5 CC1
17.88	25.90	1260	0.0000 608		1660 0.5 CC1
17.95	16.07	1260	0.0000 608		1660 0.5 CC1
18.19	59.44	1260	0.0000 608		1660 0.5 CC1
18.31	83.01	1260	0.0000 608		1660 0.5 CC1
18.49	67.77	1260	0.0000 608		1660 0.5 CC1
18.67	46.59	1260	0.0000 608		1660 0.5 CC1
9	8.42	1260	0.0000 608		1660 0.5 CC1
6	3.18	1260	0.0000 608		1660 0.5 CC1
19.07	13.95	1260	0.0000 608		1660 0.5 CC1
19.49	70.81	1260	0.0000 608		1660 0.5 CC1
19.74	54.60	1260	0.0000 608		1660 0.5 CC1
19.89	16.28	1260	0.0000 608		1660 0.5 CC1
20.01	171.90	1260	0.0000 608		1660 0.5 CC1
20.20	6.88	1260	0.0000 608		1660 0.5 CC1

20.29	1.62	1260	0.0000 608	1660 0.5 CC1
20.37	2.80	1260	0.0000 608	1660 0.5 CC1
20.69	18.29	1260	0.0000 608	1660 0.5 CC1
20.92	2.90	1260	0.0000 608	1660 0.5 CC1
21.13	47.49	1260	0.0000 608	1660 0.5 CC1
21.27	141.34	1260	0.0000 608	1660 0.5 CC1
21.72	5.45	1260	0.0000 608	1660 0.5 CC1
21.80	1.48	1260	0.0000 608	1660 0.5 CC1
22.15	2.85	1260	0.0000 608	1660 0.5 CC1
22.52	3.14	1260	0.0000 608	1660 0.5 CC1
22.65	24.95	1260	0.0000 608	1660 0.5 CC1
22.92	41.22	1260	0.0000 608	1660 0.5 CC1
23.79	14.66	1260	0.0000 608	1660 0.5 CC1
24.29	15.70	-	0.0000 608	1660 0.5 CC1
25.25	13.26	-	0.0000 608	1660 0.5 CC1
25.65	231.23	DCB	100.4148 608	1660 0.5 CC1
	4403.34		101.4737	

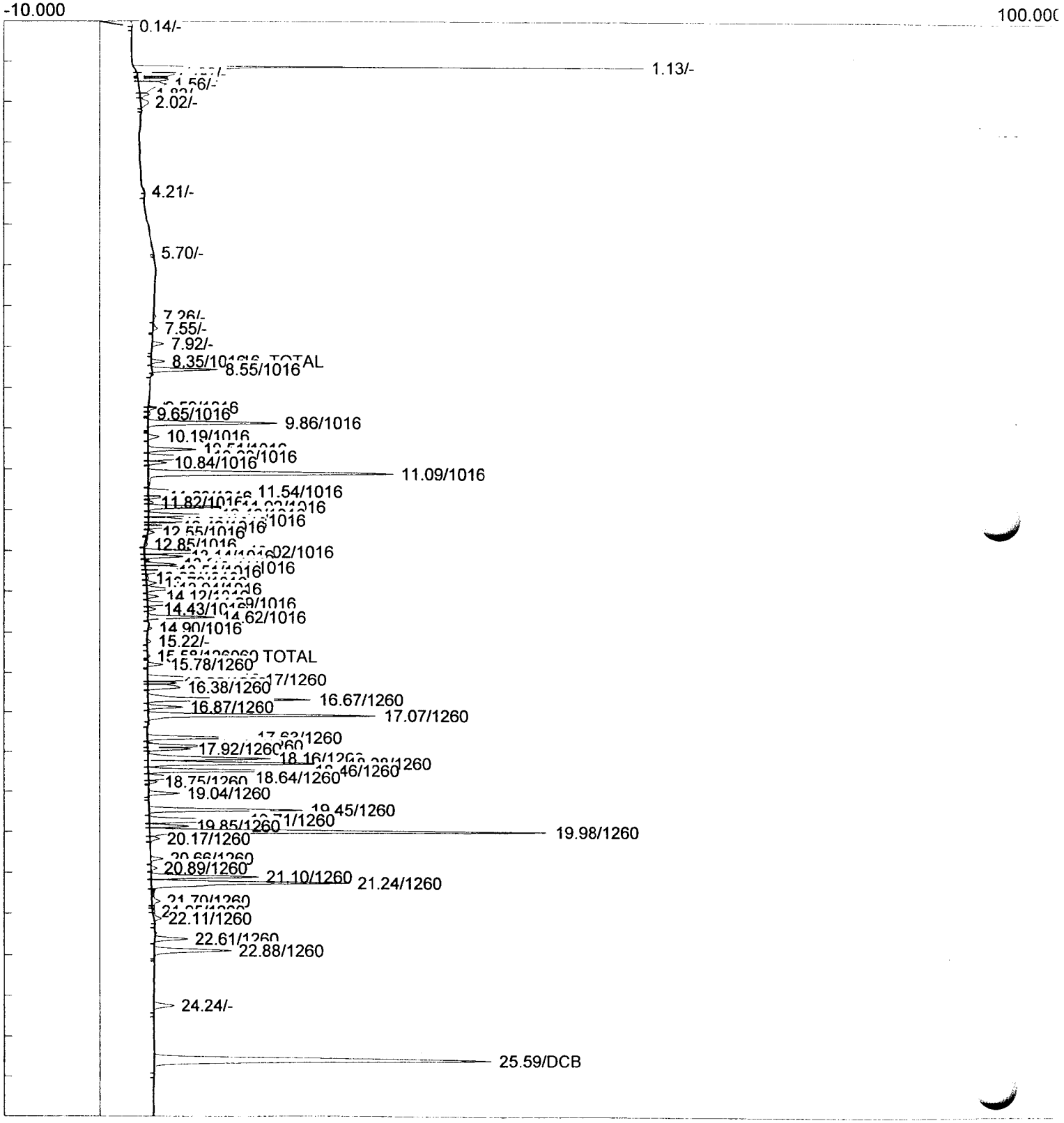
Lab name: AES
Analysis date: 11/17/2002 03:06:55
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C950.chr ()
Sample: 1660 0.5 cc2
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.15	34.32 -		0.0000 608		1660 0.5
0.30	2.01 -		0.0000 608		1660 0.5
1.13	157.63 -		0.0000 608		1660 0.5
1.45	14.26 -		0.0000 608		1660 0.5
1.57	31.42 -		0.0000 608		1660 0.5
1.82	5.12 -		0.0000 608		1660 0.5
2.02	7.79 -		0.0000 608		1660 0.5
5.71	1.78 -		0.0000 608		1660 0.5
7.26	1.84 -		0.0000 608		1660 0.5
7.56	3.00 -		0.0000 608		1660 0.5
7.94	5.37 -		0.0000 608		1660 0.5
8.37	704.45	1016 TOTAL	0.5508 608		1660 0.5
8.37	5.60	1016	0.0000 608		1660 0.5
8.57	27.29	1016	0.0000 608	+ 11.6	1660 0.5
9.31	1.46	1016	0.0000 608		1660 0.5
9.52	6.33	1016	0.0000 608		1660 0.5
9.65	2.81	1016	0.0000 608		1660 0.5
9.88	63.12	1016	0.0000 608		1660 0.5
10.22	7.30	1016	0.0000 608		1660 0.5
10.53	21.72	1016	0.0000 608		1660 0.5
10.71	35.55	1016	0.0000 608		1660 0.5
10.86	8.44	1016	0.0000 608		1660 0.5
11.11	133.02	1016	0.0000 608		1660 0.5
11.33	1.43	1016	0.0000 608		1660 0.5
11.56	48.74	1016	0.0000 608		1660 0.5
11.70	5.85	1016	0.0000 608		1660 0.5
11.84	2.63	1016	0.0000 608		1660 0.5
11.94	36.27	1016	0.0000 608		1660 0.5
12.14	27.80	1016	0.0000 608		1660 0.5
12.27	35.26	1016	0.0000 608		1660 0.5
12.35	10.67	1016	0.0000 608		1660 0.5
12.44	11.90	1016	0.0000 608		1660 0.5
12.57	3.94	1016	0.0000 608		1660 0.5
12.71	1.10	1016	0.0000 608		1660 0.5
13.04	43.22	1016	0.0000 608		1660 0.5
13.16	16.92	1016	0.0000 608		1660 0.5
13.35	11.91	1016	0.0000 608		1660 0.5
13.44	25.02	1016	0.0000 608		1660 0.5
13.54	10.97	1016	0.0000 608		1660 0.5
13.70	2.18	1016	0.0000 608		1660 0.5
13.81	5.89	1016	0.0000 608		1660 0.5
13.96	15.71	1016	0.0000 608		1660 0.5
14.14	6.85	1016	0.0000 608		1660 0.5
14.31	25.52	1016	0.0000 608		1660 0.5
14.45	5.22	1016	0.0000 608		1660 0.5
14.64	30.34	1016	0.0000 608		1660 0.5
14.80	2.29	1016	0.0000 608		1660 0.5
14.92	4.19	1016	0.0000 608		1660 0.5
15.24	3.08 -		0.0000 608		1660 0.5
15.43	1.17 -		0.0000 608		1660 0.5
15.60	1157.54	1260 TOTAL	0.4907 608	- 2	1660 0.5
15.60	2.60	1260	0.0000 608		1660 0.5
15.81	7.55	1260	0.0000 608		1660 0.5
16.19	51.76	1260	0.0000 608		1660 0.5
16.28	10.80	1260	0.0000 608		1660 0.5
16.40	21.00	1260	0.0000 608		1660 0.5
16.70	73.45	1260	0.0000 608		1660 0.5
16.89	14.43	1260	0.0000 608		1660 0.5
17.09	97.03	1260	0.0000 608		1660 0.5
17.32	1.02	1260	0.0000 608		1660 0.5
17.66	42.56	1260	0.0000 608		1660 0.5
17.87	26.32	1260	0.0000 608		1660 0.5
17.94	16.49	1260	0.0000 608		1660 0.5
18.18	59.44	1260	0.0000 608		1660 0.5
18.30	82.29	1260	0.0000 608		1660 0.5
18.48	65.06	1260	0.0000 608		1660 0.5
18.66	41.09	1260	0.0000 608		1660 0.5
18.77	3.24	1260	0.0000 608		1660 0.5
19.06	12.95	1260	0.0000 608		1660 0.5
19.48	65.92	1260	0.0000 608		1660 0.5
19.73	55.70	1260	0.0000 608		1660 0.5
19.88	16.23	1260	0.0000 608		1660 0.5
20.00	168.01	1260	0.0000 608		1660 0.5
20.19	4.29	1260	0.0000 608		1660 0.5
20.68	5.23	1260	0.0000 608		1660 0.5
20.92	2.31	1260	0.0000 608		1660 0.5
21.12	46.77	1260	0.0000 608		1660 0.5
21.26	102.17	1260	0.0000 608		1660 0.5

21.72	2.15	1260	0.0000	608	1660 0.5 CL2
22.14	2.88	1260	0.0000	608	1660 0.5
22.63	15.76	1260	0.0000	608	1660 0.5
22.91	41.07	1260	0.0000	608	1660 0.5
24.27	12.37	-	0.0000	608	1660 0.5
25.63	232.25	DCB	100.8583	608	1660 0.5
	4237.40		101.8998		

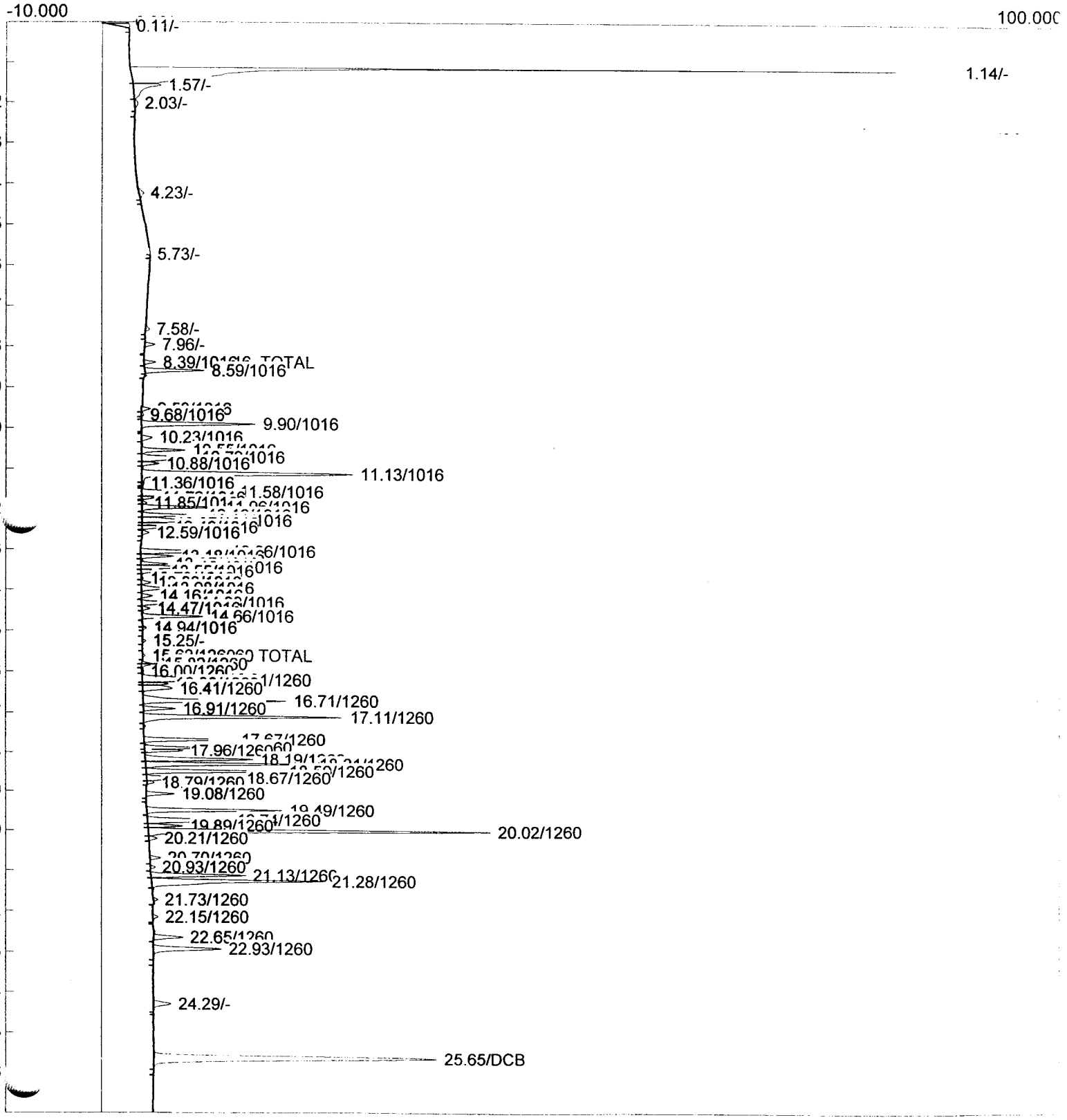
Lab name: AES
Analysis date: 11/17/2002 08:50:48
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C958.CHR ()
Sample: 1660 0.5 CC3
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.14	14.52 -		0.0000 608		1660 0.5 CC3
1.13	113.35 -		0.0000 608		1660 0.5 CC3
1.30	22.04 -		0.0000 608		1660 0.5 CC3
1.40	8.90 -		0.0000 608		1660 0.5 CC3
1.45	13.54 -		0.0000 608		1660 0.5 CC3
6	31.77 -		0.0000 608		1660 0.5 CC3
82	4.38 -		0.0000 608		1660 0.5 CC3
2.02	7.55 -		0.0000 608		1660 0.5 CC3
4.21	1.03 -		0.0000 608		1660 0.5 CC3
5.70	1.35 -		0.0000 608		1660 0.5 CC3
7.26	1.72 -		0.0000 608		1660 0.5 CC3
7.55	2.95 -		0.0000 608		1660 0.5 CC3
7.92	5.74 -		0.0000 608		1660 0.5 CC3
8.35	673.15	1016 TOTAL	0.5263 608		1660 0.5 CC3
8.35	5.70	1016	0.0000 608	+ 5.4	1660 0.5 CC3
8.55	27.90	1016	0.0000 608		1660 0.5 CC3
9.48	1.32	1016	0.0000 608		1660 0.5 CC3
9.50	3.73	1016	0.0000 608		1660 0.5 CC3
9.65	1.35	1016	0.0000 608		1660 0.5 CC3
9.86	61.37	1016	0.0000 608		1660 0.5 CC3
10.19	6.22	1016	0.0000 608		1660 0.5 CC3
10.51	20.84	1016	0.0000 608		1660 0.5 CC3
10.68	34.92	1016	0.0000 608		1660 0.5 CC3
10.84	7.80	1016	0.0000 608		1660 0.5 CC3
11.09	134.31	1016	0.0000 608		1660 0.5 CC3
11.54	48.29	1016	0.0000 608		1660 0.5 CC3
11.68	5.29	1016	0.0000 608		1660 0.5 CC3
11.82	2.03	1016	0.0000 608		1660 0.5 CC3
11.92	35.64	1016	0.0000 608		1660 0.5 CC3
12.12	27.01	1016	0.0000 608		1660 0.5 CC3
12.25	34.75	1016	0.0000 608		1660 0.5 CC3
12.33	10.18	1016	0.0000 608		1660 0.5 CC3
12.42	10.66	1016	0.0000 608		1660 0.5 CC3
12.55	2.99	1016	0.0000 608		1660 0.5 CC3
12.85	1.64	1016	0.0000 608		1660 0.5 CC3
13.02	44.06	1016	0.0000 608		1660 0.5 CC3
13.14	17.12	1016	0.0000 608		1660 0.5 CC3
33	12.22	1016	0.0000 608		1660 0.5 CC3
1	25.11	1016	0.0000 608		1660 0.5 CC3
51	10.56	1016	0.0000 608		1660 0.5 CC3
13.68	1.45	1016	0.0000 608		1660 0.5 CC3
13.79	4.81	1016	0.0000 608		1660 0.5 CC3
13.94	13.43	1016	0.0000 608		1660 0.5 CC3
14.12	4.79	1016	0.0000 608		1660 0.5 CC3
14.29	23.48	1016	0.0000 608		1660 0.5 CC3
14.43	3.23	1016	0.0000 608		1660 0.5 CC3
14.62	27.45	1016	0.0000 608		1660 0.5 CC3
14.90	1.49	1016	0.0000 608		1660 0.5 CC3
15.22	1.79 -		0.0000 608		1660 0.5 CC3
15.58	1190.87	1260 TOTAL	0.5048 608	+ 0.96	1660 0.5 CC3
15.58	1.05	1260	0.0000 608		1660 0.5 CC3
15.78	6.23	1260	0.0000 608		1660 0.5 CC3
16.17	52.02	1260	0.0000 608		1660 0.5 CC3
16.26	10.88	1260	0.0000 608		1660 0.5 CC3
16.38	21.31	1260	0.0000 608		1660 0.5 CC3
16.67	74.48	1260	0.0000 608		1660 0.5 CC3
16.87	14.69	1260	0.0000 608		1660 0.5 CC3
17.07	98.08	1260	0.0000 608		1660 0.5 CC3
17.63	43.20	1260	0.0000 608		1660 0.5 CC3
17.85	26.78	1260	0.0000 608		1660 0.5 CC3
17.92	17.22	1260	0.0000 608		1660 0.5 CC3
18.16	61.12	1260	0.0000 608		1660 0.5 CC3
18.28	83.66	1260	0.0000 608		1660 0.5 CC3
18.46	66.39	1260	0.0000 608		1660 0.5 CC3
18.64	43.28	1260	0.0000 608		1660 0.5 CC3
18.75	3.73	1260	0.0000 608		1660 0.5 CC3
19.04	13.14	1260	0.0000 608		1660 0.5 CC3
19.45	67.17	1260	0.0000 608		1660 0.5 CC3
19.71	56.85	1260	0.0000 608		1660 0.5 CC3
19.85	16.71	1260	0.0000 608		1660 0.5 CC3
8	171.41	1260	0.0000 608		1660 0.5 CC3
7	5.15	1260	0.0000 608		1660 0.5 CC3
20.66	6.74	1260	0.0000 608		1660 0.5 CC3
20.89	3.44	1260	0.0000 608		1660 0.5 CC3
21.10	49.22	1260	0.0000 608		1660 0.5 CC3
21.24	106.23	1260	0.0000 608		1660 0.5 CC3
21.70	6.10	1260	0.0000 608		1660 0.5 CC3
21.95	1.18	1260	0.0000 608		1660 0.5 CC3

22.11	5.27	1260	0.0000 608	1660 0.5 CC3
22.61	16.06	1260	0.0000 608	1660 0.5 CC3
22.88	42.05	1260	0.0000 608	1660 0.5 CC3
24.24	12.50	-	0.0000 608	1660 0.5 CC3
25.59	238.21	DCB	103.4494 608	1660 0.5 CC3
	4209.38		104.4805	

Lab name: AES
Analysis date: 11/19/2002 21:35:53
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C961.chr ()
ample: 1660 0.5 CC4
perator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.02	6.24 -		0.0000 608		1660 0.5 CC4
0.11	8.73 -		0.0000 608		1660 0.5 CC4
1.14	292.33 -		0.0000 608		1660 0.5 CC4
1.57	27.04 -		0.0000 608		1660 0.5 CC4
2.03	3.51 -		0.0000 608		1660 0.5 CC4
4.23	4.68 -		0.0000 608		1660 0.5 CC4
5.73	3.44 -		0.0000 608		1660 0.5 CC4
7.58	2.63 -		0.0000 608		1660 0.5 CC4
7.96	4.79 -		0.0000 608		1660 0.5 CC4
8.39	596.48	1016 TOTAL	0.4663 608	-6.7	1660 0.5 CC4
8.39	5.10	1016	0.0000 608		1660 0.5 CC4
8.59	24.68	1016	0.0000 608		1660 0.5 CC4
9.53	4.12	1016	0.0000 608		1660 0.5 CC4
9.68	1.28	1016	0.0000 608		1660 0.5 CC4
9.90	54.19	1016	0.0000 608		1660 0.5 CC4
10.23	6.07	1016	0.0000 608		1660 0.5 CC4
10.55	19.18	1016	0.0000 608		1660 0.5 CC4
10.72	31.57	1016	0.0000 608		1660 0.5 CC4
10.88	7.46	1016	0.0000 608		1660 0.5 CC4
11.13	115.90	1016	0.0000 608		1660 0.5 CC4
11.36	1.21	1016	0.0000 608		1660 0.5 CC4
11.58	42.80	1016	0.0000 608		1660 0.5 CC4
11.72	5.13	1016	0.0000 608		1660 0.5 CC4
11.85	1.95	1016	0.0000 608		1660 0.5 CC4
11.96	31.56	1016	0.0000 608		1660 0.5 CC4
12.16	23.81	1016	0.0000 608		1660 0.5 CC4
12.29	31.55	1016	0.0000 608		1660 0.5 CC4
12.37	9.14	1016	0.0000 608		1660 0.5 CC4
12.46	10.32	1016	0.0000 608		1660 0.5 CC4
12.59	3.31	1016	0.0000 608		1660 0.5 CC4
13.06	37.67	1016	0.0000 608		1660 0.5 CC4
13.18	13.87	1016	0.0000 608		1660 0.5 CC4
13.37	10.20	1016	0.0000 608		1660 0.5 CC4
13.46	21.32	1016	0.0000 608		1660 0.5 CC4
13.55	9.31	1016	0.0000 608		1660 0.5 CC4
13.73	1.17	1016	0.0000 608		1660 0.5 CC4
13.83	4.31	1016	0.0000 608		1660 0.5 CC4
13.98	12.34	1016	0.0000 608		1660 0.5 CC4
14.16	4.69	1016	0.0000 608		1660 0.5 CC4
14.33	21.37	1016	0.0000 608		1660 0.5 CC4
14.47	3.40	1016	0.0000 608		1660 0.5 CC4
14.66	25.20	1016	0.0000 608		1660 0.5 CC4
14.94	1.29	1016	0.0000 608		1660 0.5 CC4
15.25	1.59 -		0.0000 608		1660 0.5 CC4
15.62	1045.05	1260 TOTAL	0.4430 608	-11.4	1660 0.5 CC4
15.62	1.25	1260	0.0000 608		1660 0.5 CC4
15.82	2.78	1260	0.0000 608		1660 0.5 CC4
15.82	4.27	1260	0.0000 608		1660 0.5 CC4
16.00	1.50	1260	0.0000 608		1660 0.5 CC4
16.21	47.32	1260	0.0000 608		1660 0.5 CC4
16.30	9.54	1260	0.0000 608		1660 0.5 CC4
16.41	19.96	1260	0.0000 608		1660 0.5 CC4
16.71	66.20	1260	0.0000 608		1660 0.5 CC4
16.91	13.07	1260	0.0000 608		1660 0.5 CC4
17.11	86.32	1260	0.0000 608		1660 0.5 CC4
17.67	37.85	1260	0.0000 608		1660 0.5 CC4
17.88	23.50	1260	0.0000 608		1660 0.5 CC4
17.96	15.22	1260	0.0000 608		1660 0.5 CC4
18.19	53.81	1260	0.0000 608		1660 0.5 CC4
18.31	73.36	1260	0.0000 608		1660 0.5 CC4
18.50	58.04	1260	0.0000 608		1660 0.5 CC4
18.67	40.07	1260	0.0000 608		1660 0.5 CC4
18.79	3.05	1260	0.0000 608		1660 0.5 CC4
19.08	11.74	1260	0.0000 608		1660 0.5 CC4
19.49	59.21	1260	0.0000 608		1660 0.5 CC4
19.74	50.16	1260	0.0000 608		1660 0.5 CC4
19.89	14.57	1260	0.0000 608		1660 0.5 CC4
20.02	149.36	1260	0.0000 608		1660 0.5 CC4
20.21	3.90	1260	0.0000 608		1660 0.5 CC4
20.70	4.97	1260	0.0000 608		1660 0.5 CC4
20.93	2.14	1260	0.0000 608		1660 0.5 CC4
21.13	42.75	1260	0.0000 608		1660 0.5 CC4
21.28	93.05	1260	0.0000 608		1660 0.5 CC4
21.73	1.68	1260	0.0000 608		1660 0.5 CC4
22.15	2.66	1260	0.0000 608		1660 0.5 CC4
22.65	14.33	1260	0.0000 608		1660 0.5 CC4
22.93	37.42	1260	0.0000 608		1660 0.5 CC4
24.29	11.05 -		0.0000 608		1660 0.5 CC4

25.65 204.78 DCB

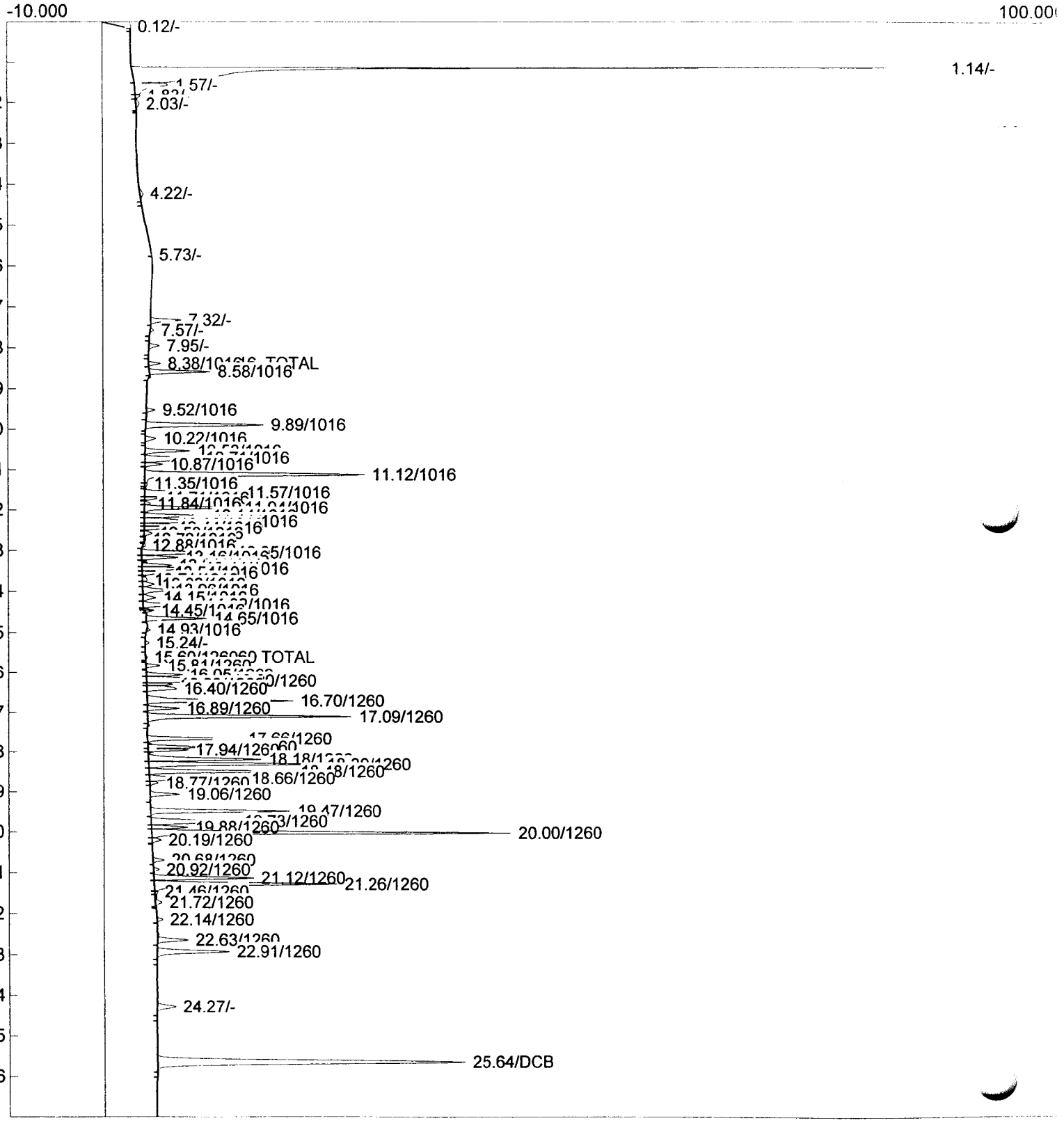
3853.89

88.9321 608

89.8415

1660 0.5 CC4

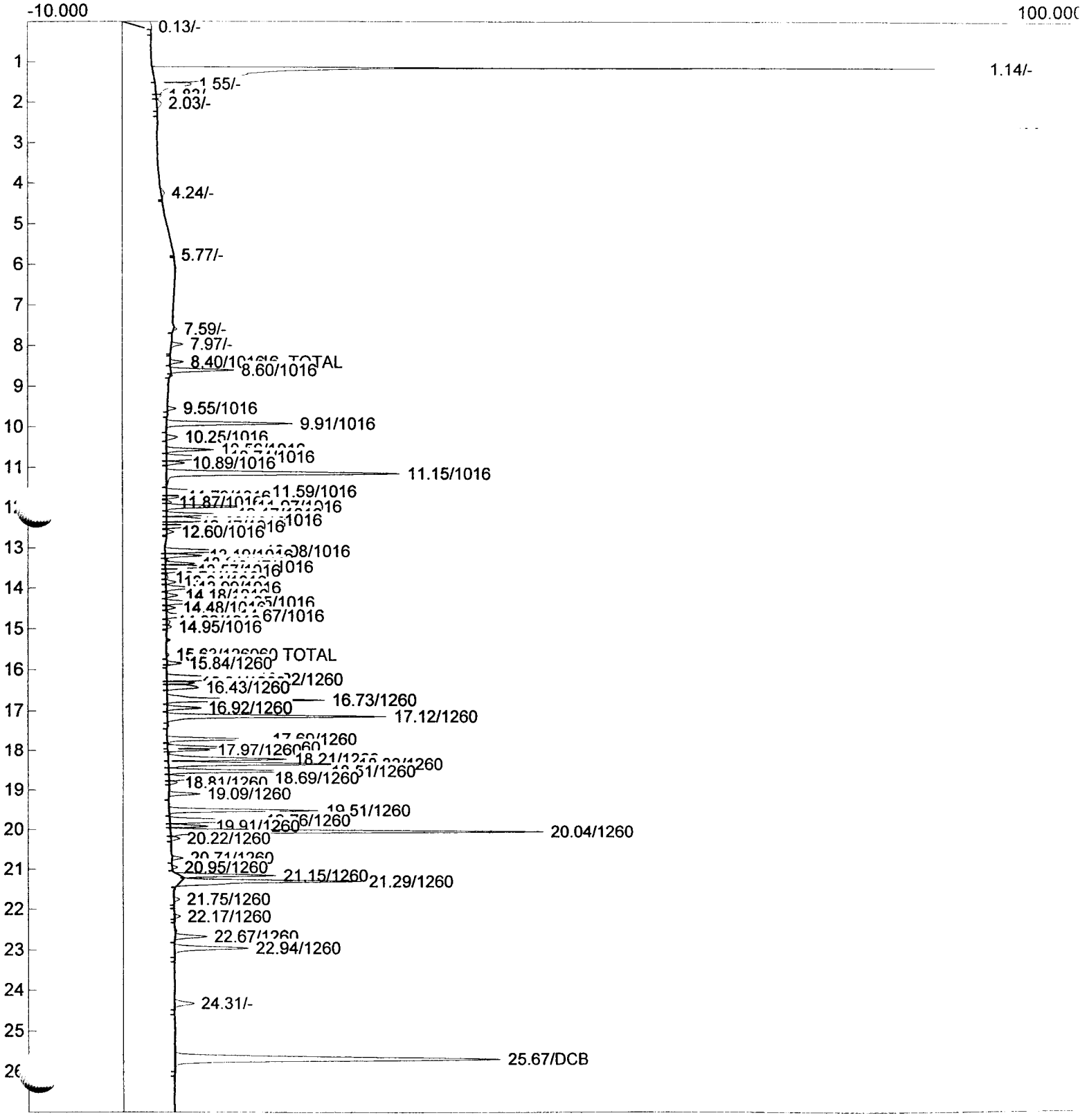
Lab name: AES
Analysis date: 11/20/2002 03:58:24
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C970.chr ()
Sample: 1660 0.5 CC5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	15.16 -		0.0000 608		1660 0.5 CC5
1.14	301.49 -		0.0000 608		1660 0.5 CC5
1.57	30.34 -		0.0000 608		1660 0.5 CC5
1.83	2.44 -		0.0000 608		1660 0.5 CC5
2.03	3.41 -		0.0000 608		1660 0.5 CC5
22	3.57 -		0.0000 608		1660 0.5 CC5
6.73	1.11 -		0.0000 608		1660 0.5 CC5
7.32	13.83 -		0.0000 608		1660 0.5 CC5
7.57	2.18 -		0.0000 608		1660 0.5 CC5
7.95	5.49 -		0.0000 608		1660 0.5 CC5
8.38	644.48	1016 TOTAL	0.5039 608		1660 0.5 CC5
8.38	5.04	1016	0.0000 608		1660 0.5 CC5
8.58	26.00	1016	0.0000 608	+0.8	1660 0.5 CC5
9.52	3.77	1016	0.0000 608	+0.008	1660 0.5 CC5
9.89	55.49	1016	0.0000 608		1660 0.5 CC5
10.22	5.60	1016	0.0000 608		1660 0.5 CC5
10.53	19.18	1016	0.0000 608		1660 0.5 CC5
10.71	32.35	1016	0.0000 608		1660 0.5 CC5
10.87	7.35	1016	0.0000 608	+1.0	1660 0.5 CC5
11.12	120.86	1016	0.0000 608		1660 0.5 CC5
11.35	1.26	1016	0.0000 608		1660 0.5 CC5
11.57	44.79	1016	0.0000 608		1660 0.5 CC5
11.71	5.60	1016	0.0000 608		1660 0.5 CC5
11.84	2.37	1016	0.0000 608		1660 0.5 CC5
11.94	38.96	1016	0.0000 608		1660 0.5 CC5
12.14	25.46	1016	0.0000 608		1660 0.5 CC5
12.28	32.96	1016	0.0000 608		1660 0.5 CC5
12.36	10.08	1016	0.0000 608		1660 0.5 CC5
12.44	10.96	1016	0.0000 608		1660 0.5 CC5
12.58	4.06	1016	0.0000 608		1660 0.5 CC5
12.72	1.07	1016	0.0000 608		1660 0.5 CC5
12.88	1.33	1016	0.0000 608		1660 0.5 CC5
13.05	40.44	1016	0.0000 608		1660 0.5 CC5
13.16	16.26	1016	0.0000 608		1660 0.5 CC5
13.36	11.95	1016	0.0000 608		1660 0.5 CC5
13.44	23.96	1016	0.0000 608		1660 0.5 CC5
13.54	10.93	1016	0.0000 608		1660 0.5 CC5
71	2.96	1016	0.0000 608		1660 0.5 CC5
82	6.18	1016	0.0000 608		1660 0.5 CC5
13.96	15.26	1016	0.0000 608		1660 0.5 CC5
14.15	6.98	1016	0.0000 608		1660 0.5 CC5
14.32	24.17	1016	0.0000 608		1660 0.5 CC5
14.44	2.02	1016	0.0000 608		1660 0.5 CC5
14.45	2.50	1016	0.0000 608		1660 0.5 CC5
14.65	24.99	1016	0.0000 608		1660 0.5 CC5
14.93	1.33	1016	0.0000 608		1660 0.5 CC5
15.24	1.67 -		0.0000 608		1660 0.5 CC5
15.60	1099.07	1260 TOTAL	0.4659 608		1660 0.5 CC5
15.60	1.05	1260	0.0000 608	-6.8	1660 0.5 CC5
15.81	5.73	1260	0.0000 608		1660 0.5 CC5
16.05	14.67	1260	0.0000 608		1660 0.5 CC5
16.20	47.21	1260	0.0000 608		1660 0.5 CC5
16.29	9.86	1260	0.0000 608		1660 0.5 CC5
16.40	19.32	1260	0.0000 608		1660 0.5 CC5
16.70	66.58	1260	0.0000 608		1660 0.5 CC5
16.89	13.16	1260	0.0000 608		1660 0.5 CC5
17.09	88.18	1260	0.0000 608		1660 0.5 CC5
17.66	39.15	1260	0.0000 608		1660 0.5 CC5
17.87	24.14	1260	0.0000 608		1660 0.5 CC5
17.94	15.77	1260	0.0000 608		1660 0.5 CC5
18.18	55.82	1260	0.0000 608		1660 0.5 CC5
18.30	76.14	1260	0.0000 608		1660 0.5 CC5
18.48	60.83	1260	0.0000 608		1660 0.5 CC5
18.66	41.17	1260	0.0000 608		1660 0.5 CC5
18.77	3.86	1260	0.0000 608		1660 0.5 CC5
19.06	13.50	1260	0.0000 608		1660 0.5 CC5
19.47	60.99	1260	0.0000 608		1660 0.5 CC5
19.73	51.53	1260	0.0000 608		1660 0.5 CC5
19.88	15.06	1260	0.0000 608		1660 0.5 CC5
20.09	155.76	1260	0.0000 608		1660 0.5 CC5
9	4.61	1260	0.0000 608		1660 0.5 CC5
8	5.42	1260	0.0000 608		1660 0.5 CC5
20.92	2.90	1260	0.0000 608		1660 0.5 CC5
21.12	45.00	1260	0.0000 608		1660 0.5 CC5
21.26	99.67	1260	0.0000 608		1660 0.5 CC5
21.46	1.18	1260	0.0000 608		1660 0.5 CC5
21.72	4.25	1260	0.0000 608		1660 0.5 CC5
22.14	2.60	1260	0.0000 608		1660 0.5 CC5

22.63	14.99	1260	0.0000 608	1660 0.5 CC5
22.91	38.96	1260	0.0000 608	1660 0.5 CC5
24.27	11.68	-	0.0000 608	1660 0.5 CC5
25.64	219.64	DCB	95.3838 608	1660 0.5 CC5
	4099.10		96.3536	

Lab name: AES
Analysis date: 11/20/2002 09:42:18
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C978.chr ()
Sample: 1660 0.5
Operator: KEN FULLER

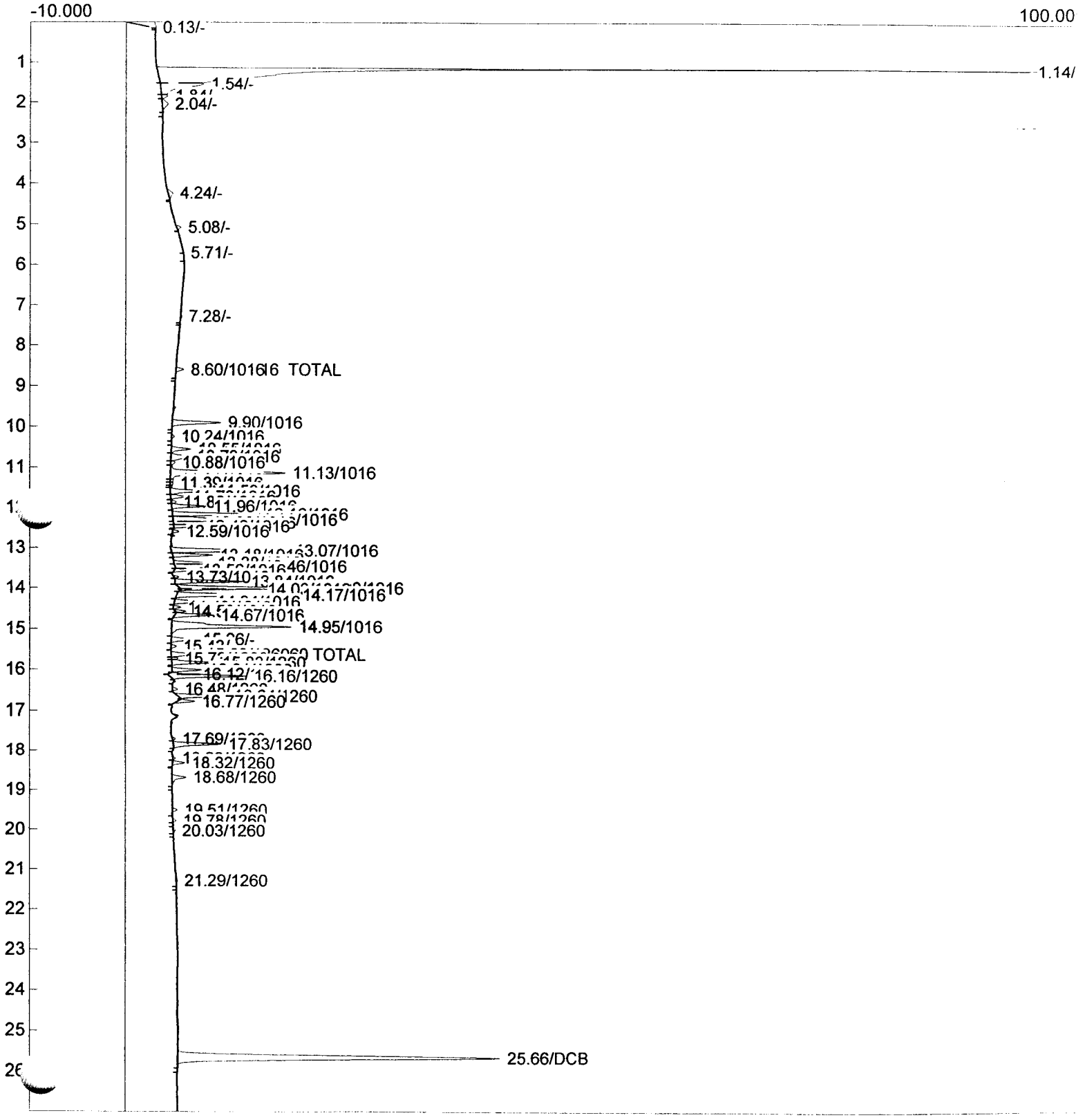


Retention	Area	Component	External	Column	Sample
0.13	19.57 -		0.0000 608	1660 0.5	
1.14	303.04 -		0.0000 608	1660 0.5	
1.55	33.02 -		0.0000 608	1660 0.5	
1.83	2.84 -		0.0000 608	1660 0.5	
2.03	4.86 -		0.0000 608	1660 0.5	
4.24	3.72 -		0.0000 608	1660 0.5	
5.77	1.18 -		0.0000 608	1660 0.5	
7.59	1.31 -		0.0000 608	1660 0.5	
7.97	5.73 -		0.0000 608	1660 0.5	
8.40	649.21	1016 TOTAL	0.5076 608	1660 0.5	
8.40	5.62	1016	0.0000 608	1660 0.5	
8.60	27.01	1016	0.0000 608	1660 0.5	
9.55	3.71	1016	0.0000 608	1660 0.5	
9.91	59.32	1016	0.0000 608	1660 0.5	
10.25	6.14	1016	0.0000 608	1660 0.5	
10.56	20.18	1016	0.0000 608	1660 0.5	
10.74	33.57	1016	0.0000 608	1660 0.5	
10.89	7.64	1016	0.0000 608	1660 0.5	
11.15	128.03	1016	0.0000 608	1660 0.5	
11.59	46.80	1016	0.0000 608	1660 0.5	
11.73	5.18	1016	0.0000 608	1660 0.5	
11.87	1.90	1016	0.0000 608	1660 0.5	
11.97	34.12	1016	0.0000 608	1660 0.5	
12.17	25.81	1016	0.0000 608	1660 0.5	
12.31	33.92	1016	0.0000 608	1660 0.5	
12.38	9.68	1016	0.0000 608	1660 0.5	
12.47	10.95	1016	0.0000 608	1660 0.5	
12.60	3.04	1016	0.0000 608	1660 0.5	
13.08	41.68	1016	0.0000 608	1660 0.5	
13.19	15.48	1016	0.0000 608	1660 0.5	
13.39	11.17	1016	0.0000 608	1660 0.5	
13.47	23.78	1016	0.0000 608	1660 0.5	
13.57	10.00	1016	0.0000 608	1660 0.5	
13.74	1.62	1016	0.0000 608	1660 0.5	
13.84	4.76	1016	0.0000 608	1660 0.5	
13.99	13.40	1016	0.0000 608	1660 0.5	
14.18	5.35	1016	0.0000 608	1660 0.5	
14.35	23.70	1016	0.0000 608	1660 0.5	
14.48	3.95	1016	0.0000 608	1660 0.5	
14.67	27.60	1016	0.0000 608	1660 0.5	
14.82	2.01	1016	0.0000 608	1660 0.5	
14.95	2.08	1016	0.0000 608	1660 0.5	
15.63	1118.56	1260 TOTAL	0.4742 608	1660 0.5	
15.63	1.48	1260	0.0000 608	1660 0.5	
15.84	5.67	1260	0.0000 608	1660 0.5	
16.22	50.24	1260	0.0000 608	1660 0.5	
16.31	10.37	1260	0.0000 608	1660 0.5	
16.43	20.21	1260	0.0000 608	1660 0.5	
16.73	71.22	1260	0.0000 608	1660 0.5	
16.92	13.97	1260	0.0000 608	1660 0.5	
17.12	94.87	1260	0.0000 608	1660 0.5	
17.69	41.68	1260	0.0000 608	1660 0.5	
17.90	25.86	1260	0.0000 608	1660 0.5	
17.97	16.60	1260	0.0000 608	1660 0.5	
18.21	58.68	1260	0.0000 608	1660 0.5	
18.33	81.29	1260	0.0000 608	1660 0.5	
18.51	64.76	1260	0.0000 608	1660 0.5	
18.69	43.21	1260	0.0000 608	1660 0.5	
18.81	3.63	1260	0.0000 608	1660 0.5	
19.09	13.15	1260	0.0000 608	1660 0.5	
19.51	64.39	1260	0.0000 608	1660 0.5	
19.76	54.34	1260	0.0000 608	1660 0.5	
19.91	15.88	1260	0.0000 608	1660 0.5	
20.04	163.70	1260	0.0000 608	1660 0.5	
20.22	4.32	1260	0.0000 608	1660 0.5	
20.71	4.69	1260	0.0000 608	1660 0.5	
20.95	2.37	1260	0.0000 608	1660 0.5	
21.15	40.31	1260	0.0000 608	1660 0.5	
21.29	88.95	1260	0.0000 608	1660 0.5	
21.75	3.01	1260	0.0000 608	1660 0.5	
22.17	2.79	1260	0.0000 608	1660 0.5	
22.67	15.77	1260	0.0000 608	1660 0.5	
22.94	41.17	1260	0.0000 608	1660 0.5	
24.31	12.54 -		0.0000 608	1660 0.5	
25.67	232.68	DCB	101.0453 608	1660 0.5	
	4156.01		102.0271		

130
130

321

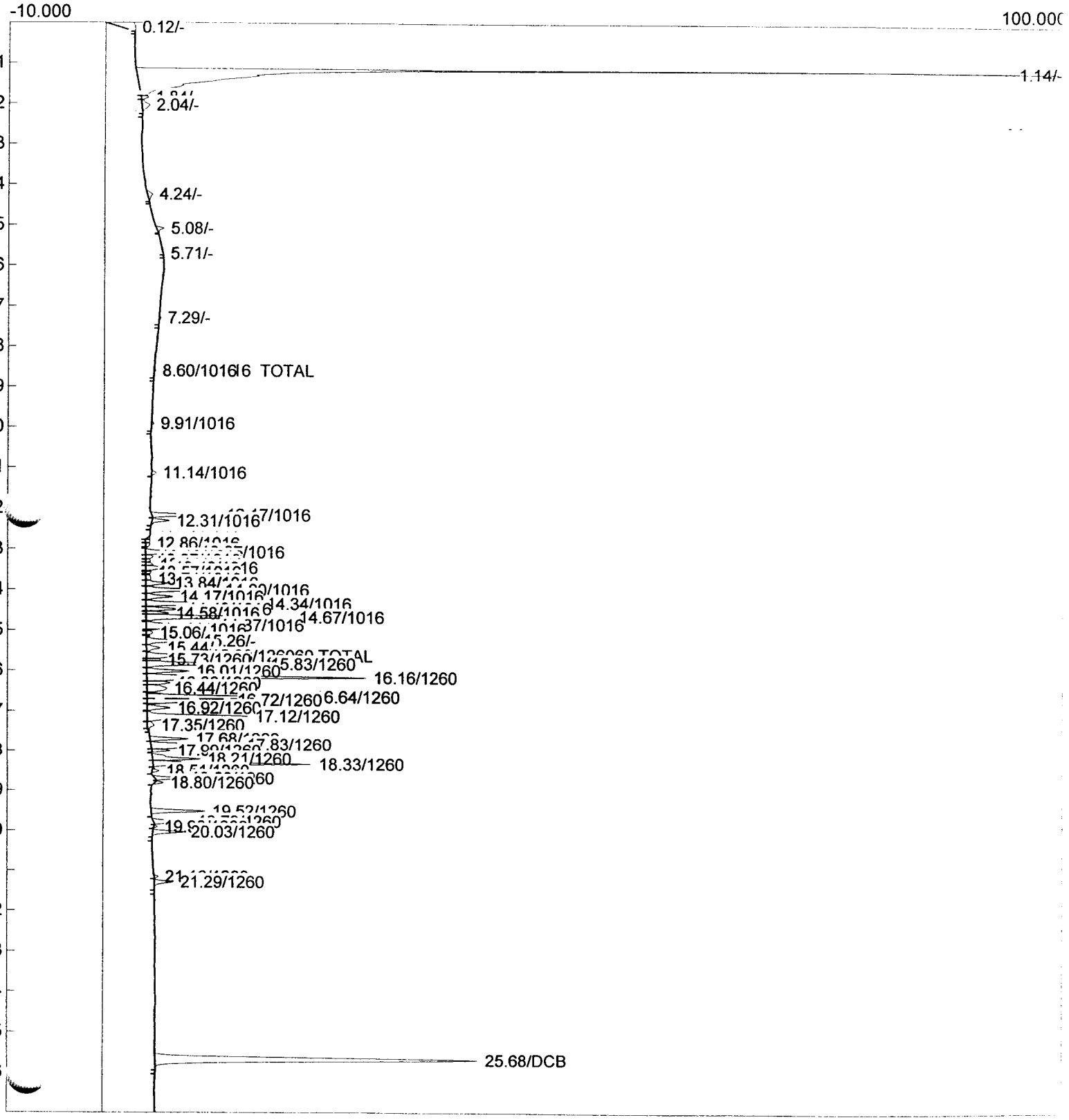
Lab name: AES
Analysis date: 11/20/2002 13:17:15
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C983.chr ()
Sample: 1248 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.13	14.06 -		0.0000 608		1248 0.5
1.14	375.59 -		0.0000 608		1248 0.5
1.54	38.91 -		0.0000 608		1248 0.5
1.84	3.43 -		0.0000 608		1248 0.5
2.04	6.58 -		0.0000 608		1248 0.5
4.24	4.32 -		0.0000 608		1248 0.5
5.08	1.94 -		0.0000 608		1248 0.5
5.71	1.16 -		0.0000 608		1248 0.5
7.28	1.07 -		0.0000 608		1248 0.5
8.60	613.04 1016	TOTAL	0.4793 608		1248 0.5
8.60	3.76 1016		0.0000 608		1248 0.5
9.90	23.20 1016		0.0000 608		1248 0.5
10.24	1.36 1016		0.0000 608		1248 0.5
10.55	8.84 1016		0.0000 608		1248 0.5
10.73	11.72 1016		0.0000 608		1248 0.5
10.88	2.19 1016		0.0000 608		1248 0.5
11.13	67.38 1016		0.0000 608		1248 0.5
11.31	1.36 1016		0.0000 608		1248 0.5
11.39	1.34 1016		0.0000 608		1248 0.5
11.58	17.91 1016		0.0000 608		1248 0.5
11.73	6.75 1016		0.0000 608		1248 0.5
11.86	2.04 1016		0.0000 608		1248 0.5
11.96	13.96 1016		0.0000 608		1248 0.5
12.16	34.73 1016		0.0000 608		1248 0.5
12.30	36.50 1016		0.0000 608		1248 0.5
12.38	11.66 1016		0.0000 608		1248 0.5
12.46	9.82 1016		0.0000 608		1248 0.5
12.59	2.45 1016		0.0000 608		1248 0.5
13.07	50.28 1016		0.0000 608		1248 0.5
13.18	15.90 1016		0.0000 608		1248 0.5
13.38	12.88 1016		0.0000 608		1248 0.5
13.46	33.39 1016		0.0000 608		1248 0.5
13.56	7.79 1016		0.0000 608		1248 0.5
13.73	1.57 1016		0.0000 608		1248 0.5
13.84	26.97 1016		0.0000 608		1248 0.5
14.00	48.35 1016		0.0000 608		1248 0.5
14.03	9.04 1016		0.0000 608		1248 0.5
14.17	47.16 1016		0.0000 608		1248 0.5
14.34	13.81 1016		0.0000 608		1248 0.5
14.48	2.61 1016		0.0000 608		1248 0.5
14.58	3.55 1016		0.0000 608		1248 0.5
14.67	15.72 1016		0.0000 608		1248 0.5
14.95	67.06 1016		0.0000 608		1248 0.5
15.26	10.86 -		0.0000 608		1248 0.5
15.43	2.23 -		0.0000 608		1248 0.5
15.63	151.79 1260	TOTAL	0.0643 608		1248 0.5
15.63	12.66 1260		0.0000 608		1248 0.5
15.73	2.45 1260		0.0000 608		1248 0.5
15.83	18.09 1260		0.0000 608		1248 0.5
16.01	12.06 1260		0.0000 608		1248 0.5
16.12	3.68 1260		0.0000 608		1248 0.5
16.16	31.11 1260		0.0000 608		1248 0.5
16.48	2.17 1260		0.0000 608		1248 0.5
16.64	19.52 1260		0.0000 608		1248 0.5
16.77	6.40 1260		0.0000 608		1248 0.5
17.69	1.33 1260		0.0000 608		1248 0.5
17.83	21.87 1260		0.0000 608		1248 0.5
18.20	1.26 1260		0.0000 608		1248 0.5
18.32	4.82 1260		0.0000 608		1248 0.5
18.68	8.28 1260		0.0000 608		1248 0.5
19.51	2.43 1260		0.0000 608		1248 0.5
19.78	1.43 1260		0.0000 608		1248 0.5
20.03	1.10 1260		0.0000 608		1248 0.5
21.29	1.13 1260		0.0000 608		1248 0.5
25.66	230.17 DCB		99.9545 608		1248 0.5
	2219.98		100.4982		

222.28
+6.49

Lab name: AES
Analysis date: 11/20/2002 14:00:15
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C984.chr ()
ample: 1254 0.5
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.12	20.99 -		0.0000 608	1254 0.5	
1.14	423.10 -		0.0000 608	1254 0.5	
1.84	3.47 -		0.0000 608	1254 0.5	
2.04	8.47 -		0.0000 608	1254 0.5	
4.24	4.66 -		0.0000 608	1254 0.5	
5.08	3.65 -		0.0000 608	1254 0.5	
5.71	1.46 -		0.0000 608	1254 0.5	
7.29	1.38 -		0.0000 608	1254 0.5	
8.60	321.46	1016 TOTAL	0.2513 608	1254 0.5	
8.60	1.04	1016	0.0000 608	1254 0.5	
9.91	1.25	1016	0.0000 608	1254 0.5	
11.14	2.40	1016	0.0000 608	1254 0.5	
12.17	26.37	1016	0.0000 608	1254 0.5	
12.31	7.02	1016	0.0000 608	1254 0.5	
12.72	1.08	1016	0.0000 608	1254 0.5	
12.80	2.15	1016	0.0000 608	1254 0.5	
12.86	2.51	1016	0.0000 608	1254 0.5	
13.07	21.50	1016	0.0000 608	1254 0.5	
13.19	3.83	1016	0.0000 608	1254 0.5	
13.27	1.99	1016	0.0000 608	1254 0.5	
13.38	2.95	1016	0.0000 608	1254 0.5	
13.46	10.81	1016	0.0000 608	1254 0.5	
13.57	1.93	1016	0.0000 608	1254 0.5	
13.74	3.88	1016	0.0000 608	1254 0.5	
13.84	11.24	1016	0.0000 608	1254 0.5	
14.00	33.45	1016	0.0000 608	1254 0.5	
14.17	13.62	1016	0.0000 608	1254 0.5	
14.34	48.64	1016	0.0000 608	1254 0.5	
14.48	15.08	1016	0.0000 608	1254 0.5	
14.58	8.20	1016	0.0000 608	1254 0.5	
14.67	63.70	1016	0.0000 608	1254 0.5	
14.87	35.80	1016	0.0000 608	1254 0.5	
14.98	1.01	1016	0.0000 608	1254 0.5	
15.06	3.24 -		0.0000 608	1254 0.5	
15.26	23.44 -		0.0000 608	1254 0.5	
15.44	7.67 -		0.0000 608	1254 0.5	
15.63	671.49	1260 TOTAL	0.2847 608	1254 0.5	
15.63	27.06	1260	0.0000 608	1254 0.5	
15.73	4.98	1260	0.0000 608	1254 0.5	
15.83	51.37	1260	0.0000 608	1254 0.5	
16.01	19.42	1260	0.0000 608	1254 0.5	
16.16	99.21	1260	0.0000 608	1254 0.5	
16.30	11.16	1260	0.0000 608	1254 0.5	
16.44	17.98	1260	0.0000 608	1254 0.5	
16.64	71.84	1260	0.0000 608	1254 0.5	
16.72	41.80	1260	0.0000 608	1254 0.5	
16.92	11.47	1260	0.0000 608	1254 0.5	
17.12	51.99	1260	0.0000 608	1254 0.5	
17.35	5.27	1260	0.0000 608	1254 0.5	
17.68	15.89	1260	0.0000 608	1254 0.5	
17.83	59.52	1260	0.0000 608	1254 0.5	
17.99	7.25	1260	0.0000 608	1254 0.5	
18.21	24.33	1260	0.0000 608	1254 0.5	
18.33	67.31	1260	0.0000 608	1254 0.5	
18.51	2.63	1260	0.0000 608	1254 0.5	
18.69	11.63	1260	0.0000 608	1254 0.5	
18.80	2.98	1260	0.0000 608	1254 0.5	
19.52	23.73	1260	0.0000 608	1254 0.5	
19.78	16.86	1260	0.0000 608	1254 0.5	
19.90	1.02	1260	0.0000 608	1254 0.5	
20.03	14.25	1260	0.0000 608	1254 0.5	
21.16	1.60	1260	0.0000 608	1254 0.5	
21.29	8.96	1260	0.0000 608	1254 0.5	
25.68	228.92	DCB	99.4125 608	1254 0.5	
	2716.34		99.9485		

349.87

RAW QC

DATA

1D

EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

PBLKU01

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: PBLKU01

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLKU01

Level: (low/med) LOW Date Received: 11/11/02

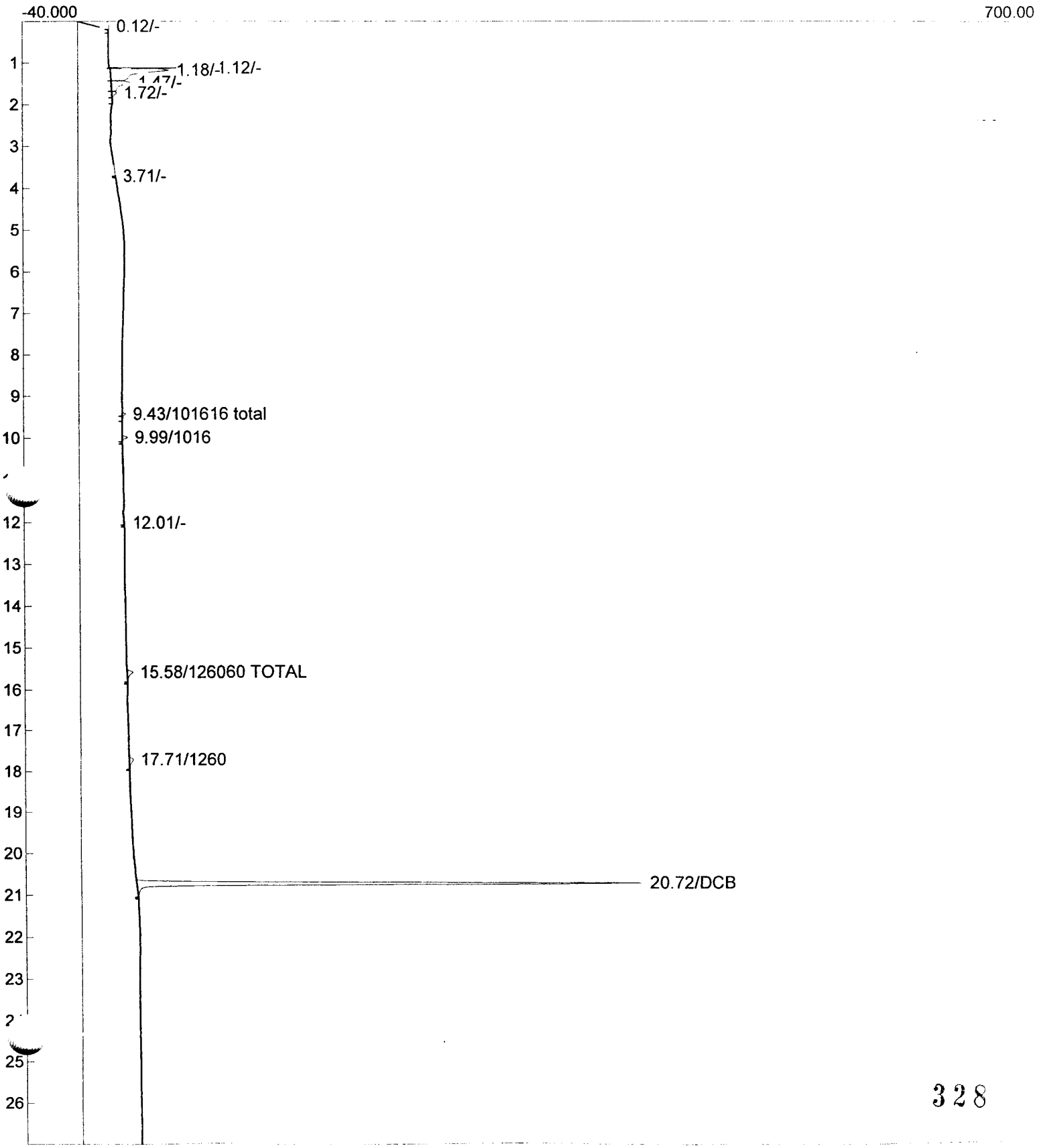
% Moisture: not dec. 100. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

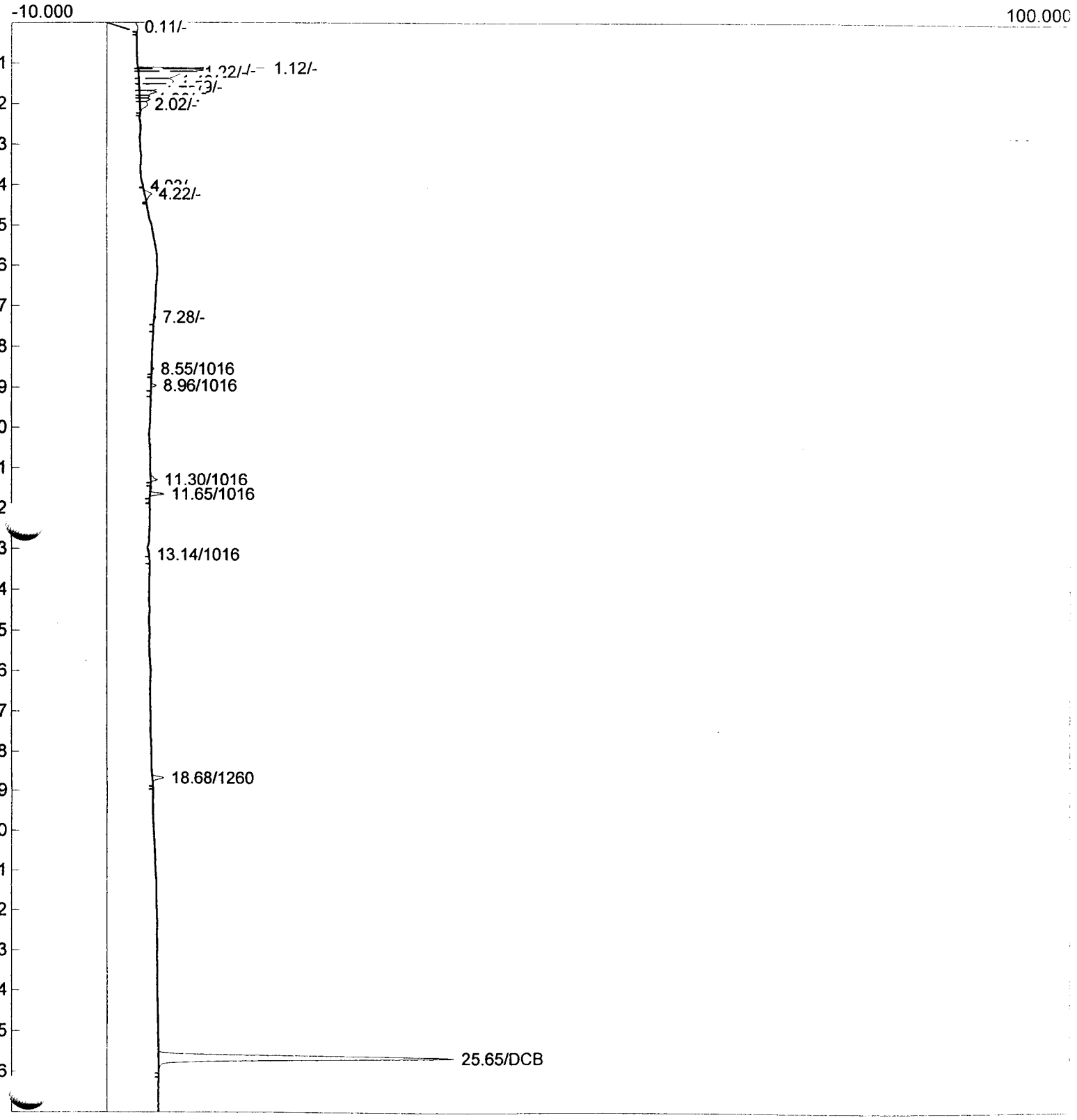
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	33.	U
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	33.	U

Lab name: AES
Analysis date: 11/16/2002 09:55:34
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b926.chr ()
Sample: PBLKU1 30-10
Operator: KEN FULLER



Retention	Area	Number	External		Component	Column	
0.12	136.42	0	0.0000	-	DB1701	PBLKU1 30-10	
1.12	73.35	0	0.0000	-	DB1701	PBLKU1 30-10	
1.18	391.59	0	0.0000	-	DB1701	PBLKU1 30-10	
1.47	115.14	0	0.0000	-	DB1701	PBLKU1 30-10	
1.72	20.40	0	0.0000	-	DB1701	PBLKU1 30-10	
3.71	8.92	0	0.0000	-	DB1701	PBLKU1 30-10	
0.00	0.00	6	0.0000	TCMX	DB1701	PBLKU1 30-10	
9.43	9.31	1	0.0000	1016	DB1701	PBLKU1 30-10	
9.43	24.50	2	0.0031	1016 total	DB1701	PBLKU1 30-10	
9.99	15.19	1	0.0000	1016	DB1701	PBLKU1 30-10	
12.01	12.70	0	0.0000	-	DB1701	PBLKU1 30-10	
15.58	56.40	4	0.0040	1260 TOTAL	DB1701	PBLKU1 30-10	
15.58	31.26	3	0.0000	1260	DB1701	PBLKU1 30-10	
17.71	25.15	3	0.0000	1260	DB1701	PBLKU1 30-10	
20.72	1451.02	5	91.9649	DCB	DB1701	PBLKU1 30-10	
	2371.35	14	91.9720				

Lab name: AES
Analysis date: 11/16/2002 09:55:34
Method: 3.0 split
Description: Varian 1 ECD
Column: 608
Carrier: HELIUM AT 5 PSI
Data file: C926.chr ()
Sample: PBLKU01 30-10
Operator: KEN FULLER



Retention	Area	Component	External	Column	Sample
0.11	23.29 -		0.0000 608		PBLKU01 30-10
1.12	17.10 -		0.0000 608		PBLKU01 30-10
1.17	24.42 -		0.0000 608		PBLKU01 30-10
1.22	48.61 -		0.0000 608		PBLKU01 30-10
1.46	27.01 -		0.0000 608		PBLKU01 30-10
1.59	28.22 -		0.0000 608		PBLKU01 30-10
1.72	10.22 -		0.0000 608		PBLKU01 30-10
1.82	3.85 -		0.0000 608		PBLKU01 30-10
1.90	5.08 -		0.0000 608		PBLKU01 30-10
2.02	7.78 -		0.0000 608		PBLKU01 30-10
4.03	1.02 -		0.0000 608		PBLKU01 30-10
4.22	6.56 -		0.0000 608		PBLKU01 30-10
7.28	1.58 -		0.0000 608		PBLKU01 30-10
8.55	1.29 1016		0.0000 608		PBLKU01 30-10
8.96	2.28 1016		0.0000 608		PBLKU01 30-10
11.30	3.73 1016		0.0000 608		PBLKU01 30-10
0.00	0.00 1016	TOTAL	0.0000 608		PBLKU01 30-10
11.65	5.72 1016		0.0000 608		PBLKU01 30-10
13.14	1.20 1016		0.0000 608		PBLKU01 30-10
18.68	6.54 1260		0.0000 608		PBLKU01 30-10
0.00	0.00 1260	TOTAL	0.0000 608		PBLKU01 30-10
25.65	213.88 DCB		92.8814 608		PBLKU01 30-10
	439.38		92.8814		

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0-0.5) MS

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K04 MS

Level: (low/med) LOW Date Received: 11/07/02

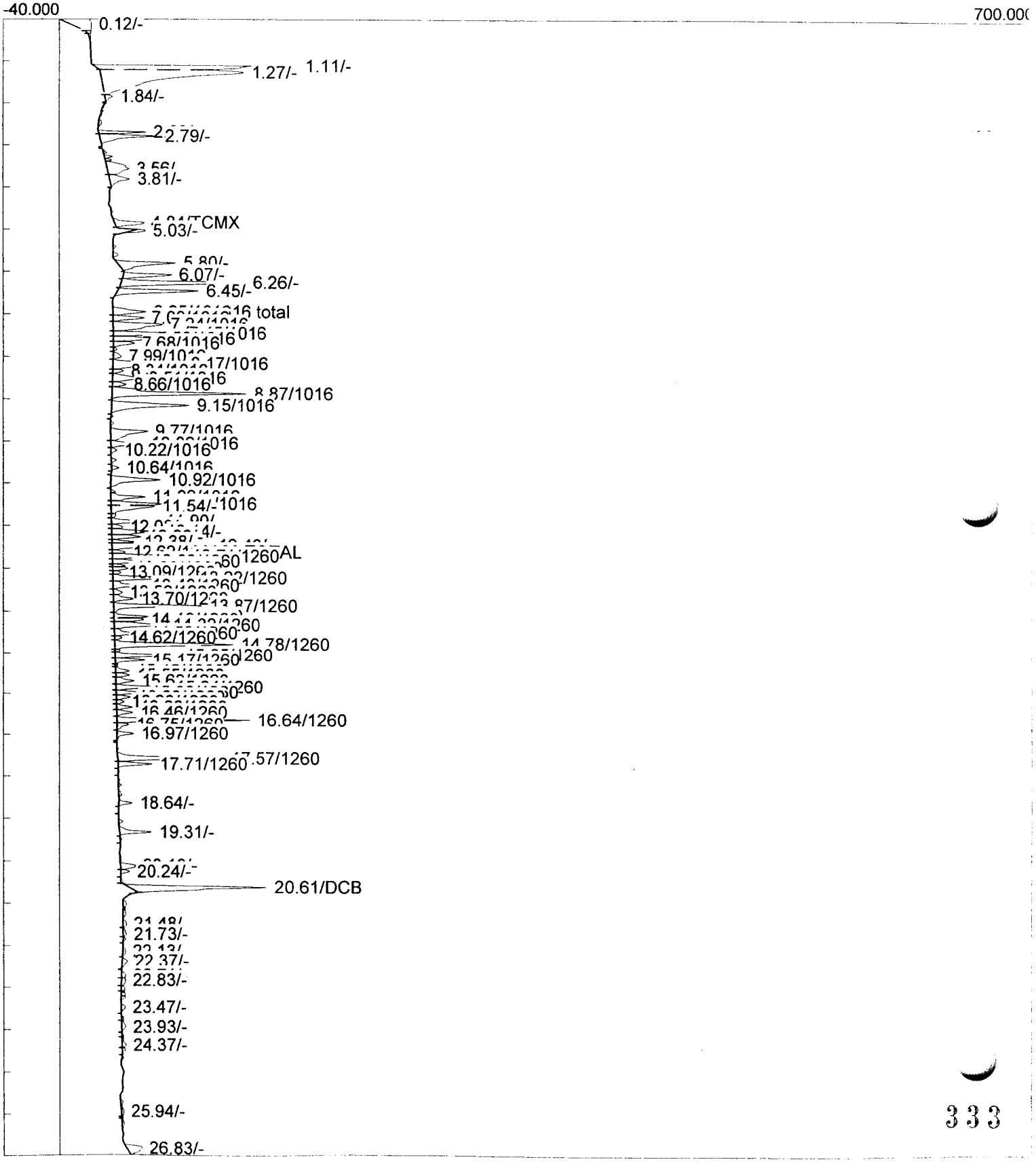
% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	400.	
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	350.	
11097-69-1	Arochlor-1254	470.	
11096-82-5	Arochlor-1260	260.	

Lab name: AES
Analysis date: 11/17/2002 04:32:53
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b952.chr ()
Sample: 1107K4 US-1 (0-0.5) MS 30-10X4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.12	232.69	0	0.0000 -	DB1701		1107K4 US-1 (0-0
1.11	664.62	0	0.0000 -	DB1701		1107K4 US-1 (0-0
1.27	1537.31	0	0.0000 -	DB1701		1107K4 US-1 (0-0
1.84	32.08	0	0.0000 -	DB1701		1107K4 US-1 (0-0
69	111.05	0	0.0000 -	DB1701		1107K4 US-1 (0-0
.79	224.66	0	0.0000 -	DB1701		1107K4 US-1 (0-0
3.56	208.60	0	0.0000 -	DB1701		1107K4 US-1 (0-0
3.81	117.05	0	0.0000 -	DB1701		1107K4 US-1 (0-0
4.84	134.39	6	0.0066 TCMX	DB1701		1107K4 US-1 (0-0
5.03	45.25	0	0.0000 -	DB1701		1107K4 US-1 (0-0
5.80	247.39	0	0.0000 -	DB1701		1107K4 US-1 (0-0
6.07	171.16	0	0.0000 -	DB1701		1107K4 US-1 (0-0
6.26	459.49	0	0.0000 -	DB1701		1107K4 US-1 (0-0
6.45	287.25	0	0.0000 -	DB1701		1107K4 US-1 (0-0
6.95	3396.61	2	0.4336 1016 total	DB1701		1107K4 US-1 (0-0
6.95	146.98	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
7.09	1016 114.10	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
1016 7.24	tot 284.49	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
7.45	215.19	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
7.58	151.43	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
7.68	79.82	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
7.99	40.55	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
1016 8.17	333.19	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
8.34	34.23	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
8.51	139.63	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
8.66	51.81	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
8.87	524.95	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
1016 9.15	378.83	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
9.77	219.73	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
10.06	121.76 No	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
10.22	22.36	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
10.64	22.64	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
10.92	224.63	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
11.32	131.09	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
49	159.22	1	0.0000 1016	DB1701		1107K4 US-1 (0-0
.54	191.54	0	0.0000 -	DB1701		1107K4 US-1 (0-0
11.90	135.12	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.03	39.75	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.14	171.66	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.26	95.91	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.38	57.63	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.46	311.16	0	0.0000 -	DB1701		1107K4 US-1 (0-0
12.62	3927.46	4	0.2763 1260 TOTAL	DB1701		1107K4 US-1 (0-0
12.62	35.21	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
12.71	214.19	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
12.83	101.47	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
12.94	31.25	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
12.99	45.75	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.09	25.38	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.22	238.65	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.40	111.76	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.56	37.35	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.70	76.04	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
13.87	265.46	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.12	99.62	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.19	97.61	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.32	205.05	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.52	96.76	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.62	22.44	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
14.78	418.95	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
15.05	180.46	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
15.17	93.30	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
15.45	51.77	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
15.55	44.47	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
39	77.43	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
.84	151.38	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
15.98	85.48	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
16.09	47.88	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
16.20	24.77	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
16.33	53.92	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
16.46	57.01	3	0.0000 1260	DB1701		1107K4 US-1 (0-0
16.64	373.01	3	0.0000 1260	DB1701		1107K4 US-1 (0-0

30-10x4

1016 Recalc

7.04 7.35
8.25 9.19 9.25

CC1 1660

2.09 sample 7.24,
8.17, 9.15

= 1110.61 - 326.98 / 1744.59 x 0.5 ÷ 30x40

Recalc = 388/216 x100

= 180

1248
821,06
350
High Spk
Coelutes
1248

1016 Spk - Sample
3396.61 - 1065.61
3916.74 x 1K
÷ 30 x 40
÷ 0.77 = 397/216 x100
= 184

1254
1081,68
470 Coelute
High
1260

1260 - Sample
3927.46 - 177253
7108.09
÷ 30 x 40
÷ 0.77 X 0.5
= 262/216 x100
= 12190

16.75	45.82	3	0.0000	1260		DB1701	1107K4 US-1 (0-(
16.97	57.50	3	0.0000	1260		DB1701	1107K4 US-1 (0-(
17.57	354.30	3	0.0000	1260		DB1701	1107K4 US-1 (0-(
17.71	106.01	3	0.0000	1260		DB1701	1107K4 US-1 (0-(
18.64	42.87	0	0.0000	-		DB1701	1107K4 US-1 (0-(
19.31	109.18	0	0.0000	-		DB1701	1107K4 US-1 (0-(
20.10	74.47	0	0.0000	-		DB1701	1107K4 US-1 (0-(
20.24	27.80	0	0.0000	-		DB1701	1107K4 US-1 (0-(
20.61	532.15	5	33.7276	DCB		DB1701	1107K4 US-1 (0-(
21.48	21.77	0	0.0000	-		DB1701	1107K4 US-1 (0-(
21.73	21.64	0	0.0000	-		DB1701	1107K4 US-1 (0-(
22.13	20.04	0	0.0000	-		DB1701	1107K4 US-1 (0-(
22.37	32.35	0	0.0000	-		DB1701	1107K4 US-1 (0-(
22.71	24.45	0	0.0000	-		DB1701	1107K4 US-1 (0-(
22.83	28.79	0	0.0000	-		DB1701	1107K4 US-1 (0-(
23.47	23.42	0	0.0000	-		DB1701	1107K4 US-1 (0-(
23.93	30.14	0	0.0000	-		DB1701	1107K4 US-1 (0-(
24.37	20.95	0	0.0000	-		DB1701	1107K4 US-1 (0-(
25.94	21.72	0	0.0000	-		DB1701	1107K4 US-1 (0-(
26.83	100.35	0	0.0000	-		DB1701	1107K4 US-1 (0-(
	21256.02	92	34.4441				

30-10xy

~~135°~~ 135° KF

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0-0.5)MSD

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K04 MSD

Level: (low/med) LOW Date Received: 11/07/02

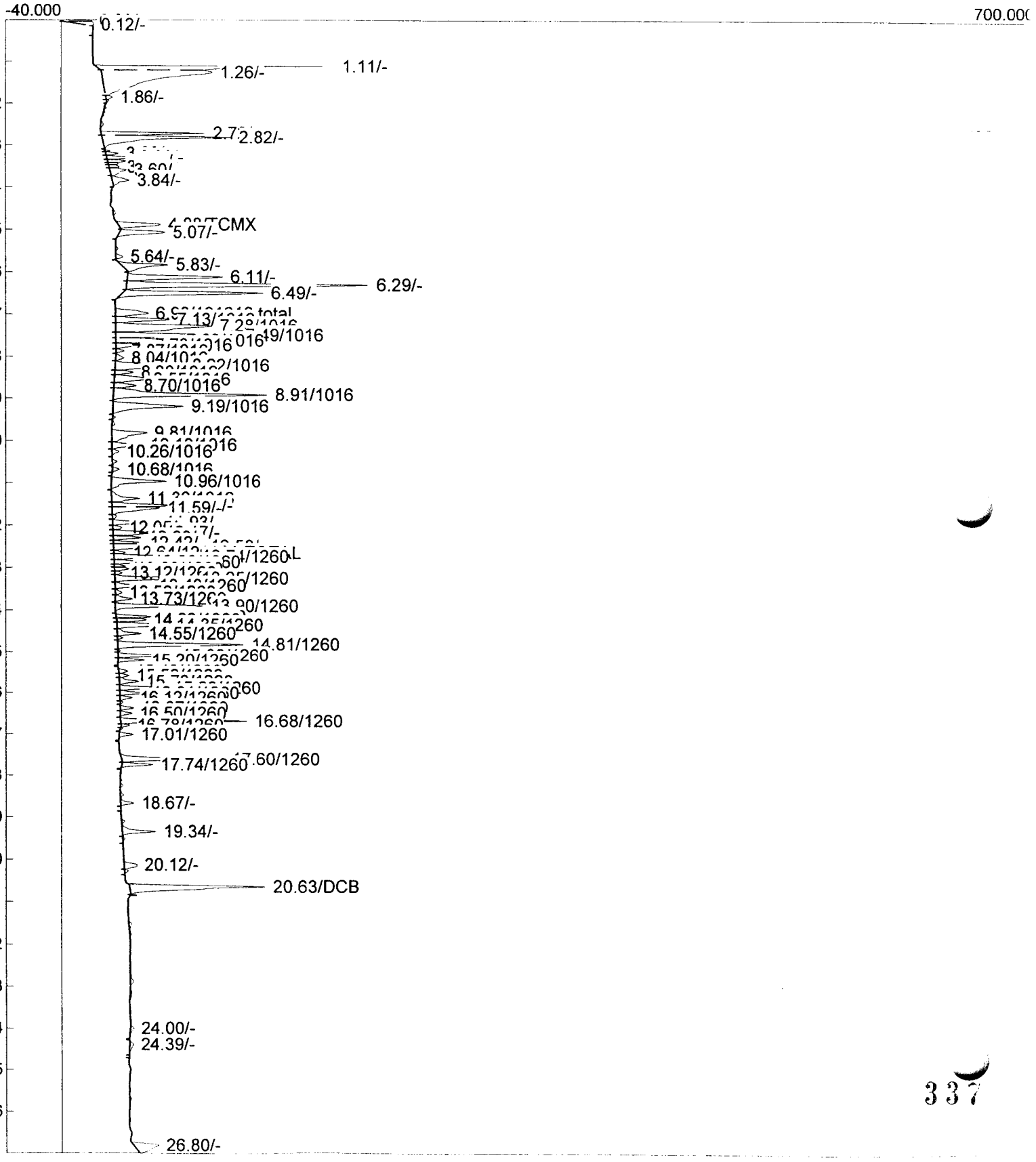
% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	660.	
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	400.	
11097-69-1	Arochlor-1254	440.	
11096-82-5	Arochlor-1260	210.	

Lab name: AES
Analysis date: 11/17/2002 05:15:51
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b953.chr ()
Sample: 1107K4 US-1 (0-0.5) MSD 30-10 X 4
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	S
0.03	47.43	0	0.0000 -		DB1701	1107K4 US-1 (0-(
0.12	73.82	0	0.0000 -		DB1701	1107K4 US-1 (0-(
1.11	646.10	0	0.0000 -		DB1701	1107K4 US-1 (0-(
1.26	1257.44	0	0.0000 -		DB1701	1107K4 US-1 (0-(
36	21.36	0	0.0000 -		DB1701	1107K4 US-1 (0-(
.72	248.08	0	0.0000 -		DB1701	1107K4 US-1 (0-(
2.82	495.43	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.20	30.61	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.30	68.56	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.38	51.56	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.45	22.27	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.52	28.78	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.60	80.84	0	0.0000 -		DB1701	1107K4 US-1 (0-(
3.84	85.00	0	0.0000 -		DB1701	1107K4 US-1 (0-(
4.88	171.69	6	0.0084 TCMX		DB1701	1107K4 US-1 (0-(
5.07	180.75	0	0.0000 -		DB1701	1107K4 US-1 (0-(
5.64	26.31	0	0.0000 -		DB1701	1107K4 US-1 (0-(
5.83	197.03	0	0.0000 -		DB1701	1107K4 US-1 (0-(
6.11	353.26	0	0.0000 -		DB1701	1107K4 US-1 (0-(
6.29	829.76	0	0.0000 -		DB1701	1107K4 US-1 (0-(
6.49	492.44	0	0.0000 -		DB1701	1107K4 US-1 (0-(
6.98	170.35 NO	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
6.98	4064.66	2	0.5189	1016 total	DB1701	1107K4 US-1 (0-(
7.13	193.41	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
7.28	544.10	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
7.49	404.16	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
7.62	250.31	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
7.73	111.99	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
7.87	22.72	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
8.04	33.08	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
8.22	344.79 NO	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
8.38	59.76	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
8.55	166.23	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
8.70	82.04	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
91	598.73	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
.19	352.04	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
9.81	210.85	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
10.10	112.39	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
10.26	25.77	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
10.68	21.87	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
10.96	234.44	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
11.36	125.63	1	0.0000 1016		DB1701	1107K4 US-1 (0-(
11.53	187.15	0	0.0000 -		DB1701	1107K4 US-1 (0-(
11.59	193.84	0	0.0000 -		DB1701	1107K4 US-1 (0-(
11.93	126.13	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.05	31.19	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.17	164.11	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.29	84.50	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.42	70.27	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.50	278.64	0	0.0000 -		DB1701	1107K4 US-1 (0-(
12.64	3510.86	4	0.2470	1260 TOTAL	DB1701	1107K4 US-1 (0-(
12.64	30.08	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
12.74	232.00	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
12.86	91.38	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
12.97	26.09	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.03	41.59	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.12	20.91	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.25	239.45	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.43	111.56	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.58	24.21	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.73	56.75	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
13.90	253.65	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
14.15	97.14	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
14.22	94.83	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15	192.93	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
.55	78.14	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
14.81	426.33	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15.08	151.31	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15.20	72.11	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15.48	30.22	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15.58	27.97	3	0.0000 1260		DB1701	1107K4 US-1 (0-(
15.73	69.93	3	0.0000 1260		DB1701	1107K4 US-1 (0-(

30 - 10 x 4

1248 923.87
~~1268.66~~ ~~550~~ KF 400
High Spk Coelutes with 1248

1016
4064.66 - 1065.61 = 3916.74
x 0.5 ÷ 30 x 40
∴ 0.77 = 663/216 x 100
= 307
High Spk Coelute 1248

1254

15.88	129.04	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.01	71.91	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.12	36.32	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.37	38.84	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.50	34.33	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.68	347.95	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
16.78	22.11	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
17.01	43.24	3	0.0000	1260	DB1701	1107K4 [illegible] (0-0
17.60	328.59	3	0.0000	1260	DB1701	1107K4 [illegible] (0-0
17.74	89.97	3	0.0000	1260	DB1701	1107K4 US-1 (0-0
18.67	42.77	0	0.0000	-	DB1701	1107K4 US-1 (0-0
19.34	119.49	0	0.0000	-	DB1701	1107K4 US-1 (0-0
20.12	67.47	0	0.0000	-	DB1701	1107K4 US-1 (0-0
20.63	580.61	5	36.7987	DCB	DB1701	1107K4 US-1 (0-0
24.00	21.06	0	0.0000	-	DB1701	1107K4 US-1 (0-0
24.39	28.53	0	0.0000	-	DB1701	1107K4 US-1 (0-0
26.80	169.51	0	0.0000	-	DB1701	1107K4 US-1 (0-0
	22724.82	89	37.5730			

1254
1022,33
440
High Spk
coelute 1254

1260 - Sample

148

3510,86 − 1777,53

7108,09

Surr 147%

X 0,5 ÷ 30 X 40

÷ 0,77 X 1K

= 211/216 X 100

= 98%

98%

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PMSBU01

Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: PMSBU1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PMSBU1

Level: (low/med) LOW Date Received:

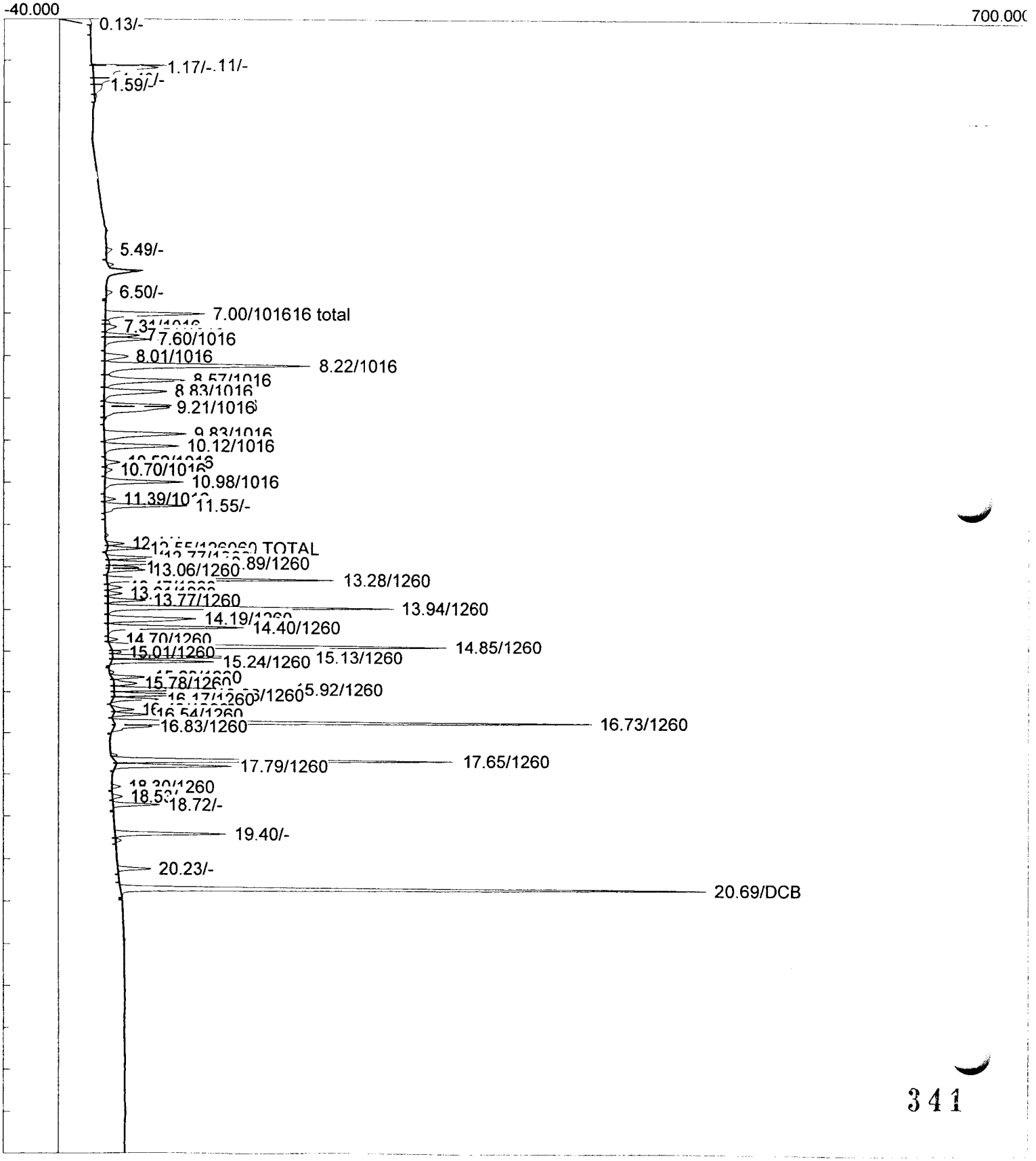
% Moisture: not dec. 0 . dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Arochlor-1016	170.	
11104-28-2	Arochlor-1221	33.	U
11141-16-5	Arochlor-1232	33.	U
53469-21-9	Arochlor-1242	33.	U
12672-29-6	Arochlor-1248	33.	U
11097-69-1	Arochlor-1254	33.	U
11096-82-5	Arochlor-1260	210.	

Lab name: AES
Analysis date: 11/17/2002 02:23:56
Method: 3.0 split
Description: Varian 1 ECD
Column: DB1701
Carrier: HELIUM AT 5 PSI
Data file: b949.chr ()
Sample: PMSBU1 30-10
Operator: KEN FULLER



Retention	Area	Number	External	Component	Column	
0.13	102.30	0	0.0000 -		DB1701	PMSBU1 30-10
1.11	74.05	0	0.0000 -		DB1701	PMSBU1 30-10
1.17	447.81	0	0.0000 -		DB1701	PMSBU1 30-10
1.46	96.04	0	0.0000 -		DB1701	PMSBU1 30-10
59	59.99	0	0.0000 -		DB1701	PMSBU1 30-10
.00	0.00	6	0.0000 TCMX		DB1701	PMSBU1 30-10
5.49	26.58	0	0.0000 -		DB1701	PMSBU1 30-10
6.50	21.72	0	0.0000 -		DB1701	PMSBU1 30-10
7.00	376.54	1	0.0000 1016		DB1701	PMSBU1 30-10
7.00	3949.97	2	0.5042 1016 total		DB1701	PMSBU1 30-10
7.31	49.30	1	0.0000 1016		DB1701	PMSBU1 30-10
7.51	105.63	1	0.0000 1016		DB1701	PMSBU1 30-10
7.60	171.27	1	0.0000 1016		DB1701	PMSBU1 30-10
8.01	109.42	1	0.0000 1016		DB1701	PMSBU1 30-10
8.22	856.24	1	0.0000 1016		DB1701	PMSBU1 30-10
8.57	375.36	1	0.0000 1016		DB1701	PMSBU1 30-10
8.83	299.16	1	0.0000 1016		DB1701	PMSBU1 30-10
9.16	182.17	1	0.0000 1016		DB1701	PMSBU1 30-10
9.21	354.85	1	0.0000 1016		DB1701	PMSBU1 30-10
9.83	377.91	1	0.0000 1016		DB1701	PMSBU1 30-10
10.12	297.76	1	0.0000 1016		DB1701	PMSBU1 30-10
10.52	50.68	1	0.0000 1016		DB1701	PMSBU1 30-10
10.70	27.79	1	0.0000 1016		DB1701	PMSBU1 30-10
10.98	282.87	1	0.0000 1016		DB1701	PMSBU1 30-10
11.39	33.04	1	0.0000 1016		DB1701	PMSBU1 30-10
11.55	279.78	0	0.0000 -		DB1701	PMSBU1 30-10
12.44	44.84	0	0.0000 -		DB1701	PMSBU1 30-10
12.55	97.58	3	0.0000 1260		DB1701	PMSBU1 30-10
12.55	9088.52	4	0.6393 1260 TOTAL		DB1701	PMSBU1 30-10
12.77	135.05	3	0.0000 1260		DB1701	PMSBU1 30-10
12.89	287.73	3	0.0000 1260		DB1701	PMSBU1 30-10
13.00	68.00	3	0.0000 1260		DB1701	PMSBU1 30-10
13.06	105.99	3	0.0000 1260		DB1701	PMSBU1 30-10
13.28	623.78	3	0.0000 1260		DB1701	PMSBU1 30-10
47	44.33	3	0.0000 1260		DB1701	PMSBU1 30-10
.61	41.10	3	0.0000 1260		DB1701	PMSBU1 30-10
13.77	109.54	3	0.0000 1260		DB1701	PMSBU1 30-10
13.94	793.77	3	0.0000 1260		DB1701	PMSBU1 30-10
14.19	382.66	3	0.0000 1260		DB1701	PMSBU1 30-10
14.40	432.52	3	0.0000 1260		DB1701	PMSBU1 30-10
14.70	25.97	3	0.0000 1260		DB1701	PMSBU1 30-10
14.85	1138.98	3	0.0000 1260		DB1701	PMSBU1 30-10
15.01	22.97	3	0.0000 1260		DB1701	PMSBU1 30-10
15.13	515.65	3	0.0000 1260		DB1701	PMSBU1 30-10
15.24	284.06	3	0.0000 1260		DB1701	PMSBU1 30-10
15.63	98.48	3	0.0000 1260		DB1701	PMSBU1 30-10
15.78	88.94	3	0.0000 1260		DB1701	PMSBU1 30-10
15.92	462.32	3	0.0000 1260		DB1701	PMSBU1 30-10
16.06	266.42	3	0.0000 1260		DB1701	PMSBU1 30-10
16.17	135.09	3	0.0000 1260		DB1701	PMSBU1 30-10
16.42	68.24	3	0.0000 1260		DB1701	PMSBU1 30-10
16.54	92.66	3	0.0000 1260		DB1701	PMSBU1 30-10
16.73	1312.49	3	0.0000 1260		DB1701	PMSBU1 30-10
16.83	132.53	3	0.0000 1260		DB1701	PMSBU1 30-10
17.65	952.61	3	0.0000 1260		DB1701	PMSBU1 30-10
17.79	343.61	3	0.0000 1260		DB1701	PMSBU1 30-10
18.30	25.44	3	0.0000 1260		DB1701	PMSBU1 30-10
18.53	32.35	0	0.0000 -		DB1701	PMSBU1 30-10
18.72	137.25	0	0.0000 -		DB1701	PMSBU1 30-10
19.40	321.29	0	0.0000 -		DB1701	PMSBU1 30-10
20.23	99.41	0	0.0000 -		DB1701	PMSBU1 30-10
20.69	1657.79	5	105.0698 DCB		DB1701	PMSBU1 30-10
	29478.20	61	106.2133			

170

168

210

213

No

Ref

SDG # DS-1(0-0.5)

INSTRUMENT ID: VARIAN 1

ANALYSIS DATES: 11/07-11/20/0

CASE # UR0204

COLUMN ID: DB1701

AR1016

1. 6.85
2. to
3. 8.23 REF
4. to
5. 11.50

AR1221

1. 5.06
2. 5.52
3. 5.87
4. 6.00 REF
5. 7.02

AR1232

1. 6.02 REF
2. 7.04
3. 7.64
4. 8.26
5. 8.61

AR1242

1. 7.03
2. 8.26 REF
3. 8.61
4. 8.88
5. 9.86

AR1248

1. 7.05
2. 8.28
3. 8.64
4. 9.21
5. 9.27
6. 9.88
7. 10.17 REF

AR1254

1. 13.32
2. 13.52
3. 13.99
4. 14.44
5. 14.90 REF
6. 15.82

AR1260

1. 12.50
2. to
3. 16.70 REF
4. to
5. 18.30

All numbers represent Retention Times.

CLP

SAMPLE CALCULATIONS FOR PCB's:

1) RF of Aroclor 1248 on VAR-1 with DB1701 column from 11/16/02:

$$= \text{Average} \left\{ \frac{\text{Peak area of Aroclor 1248 in std.}}{\text{Mass Injected (ng)}} \right\}$$

= 2686

2) Concentration of Aroclor 1248 in sample DS-1 (0-0.5) (AES sample number 021107K-15):

$$\text{ug/Kg} = \frac{\text{area of Aroclor 1248 in sample}}{(\text{Response Factor})\{\text{volume injected (uL)}\}} \times \frac{\{\text{Final Volume extract (uL)}\}(\text{Df})}{\{\text{Initial Weight extracted (grams)}\}\{\% \text{ Solids}\}}$$

$$= \frac{1451.18}{(2686)(1.5)} \times \frac{(10000)(1)}{(30.0)(0.84)} = 143 \text{ ug/Kg}$$

which is reported as 140 ug/Kg on the Form I for PCB's.

3) Calculation of spike recovery for Aroclor 1260 for sample US-1 (0-0.5):

$$\text{Percent spike recovery} = \frac{(\text{quantity in matrix spike}) - (\text{sample conc.})}{\text{quantity added to sample}} \times 100$$

$$\%\text{ recovery of Aroclor 1260} = \frac{(262-0.0)}{216} \times 100 = 121.3\ \%$$

Same as Pg 88

Analyst _____

Date Extracted: _____

Solvent 1 Lot No.: _____

Solvent 2 Lot No.: _____

Solvent 3 Lot No.: _____

Sodium Sulfate Lot No.: _____

Surrogate Lot No.: _____

Spike Solution Lot No.: _____

Acid Lot No.: _____

Sulfur Lot No.: _____

Alumina Lot No.: _____

Florisil Lot No: _____

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
11/11/02	021107K1	Soil	30grs	PCB		1ml 1ppm DCB	10		X	X	No Conc Conc
	2										ext only 11/15/02
	3										Decanted
	4										K2 5, 6
	5										8 → 10 11 13 14 15 16 18 19 23 Decante
	6										
	7										
	8										Note
	9										Sulfer
	10										2x
	11										
	12										
	13										
	14										
	14 ms/msD				0.5 ml 10 m/1260						

345

0039

Same as Pg 88

Analyst _____

Date Extracted: _____

Solvent 1 Lot No.: _____

Solvent 2 Lot No.: _____

Solvent 3 Lot No.: _____

Sodium Sulfate Lot No.: _____

Surrogate Lot No.: _____

Spike Solution Lot No.: _____

Acid Lot No.: _____

Sulfur Lot No.: _____

Alumina Lot No.: _____

Florisil Lot No: _____

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
											Conc 1
11/11/02	021107K4 MS	Soil	30grs	PCB	0.5ml 10ppm	.1ml			X	X	No Calc
	4 MSD				1016 1260	1PPM DCB					
	K15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										
	24										
	25										
	26										

MC42157

Analyst: KF

Date Extracted: 11/11/02 → 11/12

Solvent 1 Lot No.: Hex 42248

Solvent 2 Lot No.: Ace 37929

Solvent 3 Lot No.: IPA 41295

Sodium Sulfate Lot No.: 14038 / 8024 -X17591

Surrogate Lot No.: PCBAM Surr

Spike Solution Lot No.: PCBAM1→6

Acid Lot No.: 2498X07A27

Sulfur Lot No.: Lot # TBA 10/2

Alumina Lot No.: 0311TS

Florisil Lot No: 68750582

Client (Optional)	Sample ID AES/Client	Matrix	Wt/Vol Sample	Analysis Type	Spike Added	Surr. Added	Final Volume	Florisil Cleaned	Acid Cleaned	Sulfur Cleaned	Comments
11/11/02	1101 Blk	PW	1L	PCB Pest		1ml 1ppm DCB	10				
	1108 AI1	↓	↓	↓			↓				
	1106AK1	TCLP Fluid	0.05L	TCLP Pest		0.2ml 1ppm DCB	2				
	1111 TCLP Blk	↓	↓	↓			↓				
	Kero + bag	PCB	0.5	PCB		25ul 100ppm DCB	25		X		
11/12/02 JS	021112 F1	oil	.5g	PCB		10ml 100ppm DCB	10		x		
	11/12 oil Blk	↓	↓	↓			↓		↓		
	PBlk U3 021112 Blk	PW	1L			0.2ml 1ppm DCB	2		X	X	1L-2
	MSB	↓			10ul 10ppm 1242						Note P4/P5
	1111 P1→5	WW									
	1111 001										
	1107K27	↓	↓ 1.00L	↓		↓	↓		↓	↓	1.04-2
	1112R1→2	Soil	30gms			1ml 1ppm DCB	10				
	R2MS				1ml 10 ppm 1016						
	SBlk										

CLP pH

Sample	pH	Date	Ini
ICV/CCV 6.05u	6.03	11/22/02	PZ
021107 K01	6.89		
K02	7.24		
K03	7.17		
K04 Re-11/22/02	7.30		
K04D	7.27		
K05	7.39		
K06	7.43		
K07	7.52		
K08	7.91		
K09	7.96		
CCV	6.02		
021107 K10	7.34		
K11	7.55		
K12	7.63		
K13	7.61		
K14	7.41		
K14D	7.43		
K15	7.44		
K16	7.56		
K17	7.80		
K18	7.33		
CCV	5.99		
021107 K19	6.97		
K20	7.08		
K21	7.17		
K22	7.03		
K23	7.18		
K24	7.44		
K25	7.32		
K26	7.62		
CCV	6.01		

DRY WTS %TS C71

Analyst	Date	Client	Sample ID	Dish Wt.	Wet + Dish	Wet Wt.	Dry +Dish	Dry Wt.	% ts	% M
MC	11/20/02	WRS	021107 K01	3.52	19.63	16.11	16.66	13.14	81.6	7
			021107 K02	3.527	17.923	14.396	15.101	11.574	80.4	20
			021107 K03	3.531	16.596	13.065	13.836	10.305	78.9	21
			021107 K04	3.496	18.348	14.852	14.892	11.396	76.7	23
			021107 K05	3.524	21.034	17.51	17.362	13.838	79.0	21
			021107 K06	3.518	16.907	13.389	14.752	11.234	83.9	16
			021107 K07	3.534	22.16	18.626	18.683	15.149	81.3	19
			021107 K08	3.516	25.152	21.636	21.832	18.316	84.7	15
			021107 K09	3.553	24.754	21.201	21.96	18.407	86.8	13
			021107 K10	3.552	20.8	17.248	16.467	12.915	74.9	25
			021107 K11	3.561	18.818	15.257	14.177	10.616	69.6	30
			021107 K12	3.534	19.022	15.488	15.634	12.1	78.1	22
			021107 K13	3.51	16.759	13.249	14.038	10.528	79.5	21
			021107 K14	3.54	16.867	13.327	13.895	10.355	77.7	22
			021107 K15	3.525	20.199	16.674	17.489	13.964	83.7	16
			021107 K16	3.524	20.035	16.511	16.434	12.91	78.2	22
			021107 K17	3.56	19.245	15.685	15.953	12.393	79.0	21
			021107 K18	3.519	19.926	16.407	15.448	11.929	72.7	27
			021107 K19	3.563	19.827	16.264	14.573	11.01	67.7	32
			021107 K20	3.575	19.759	16.184	16.539	12.964	80.1	20
			021107 K21	3.526	18.816	15.29	14.281	10.755	70.3	30
			021107 K22	3.555	20.328	16.773	11.36	7.805	46.5	53
			021107 K23	3.536	18.679	15.143	14.002	10.466	69.1	31
			021107 K24	3.547	16.514	12.967	13.553	10.006	77.2	23
			021107 K25	3.531	24.735	21.204	19.843	16.312	76.9	23
			021107 K26	3.5	16.843	13.343	14.538	11.038	82.7	17
		DEL	021114AW01	3.564	18.221	14.657	12.965	9.401	64.1	36
			021114AW02	3.53	19.999	16.469	15.757	12.227	74.2	26

INORGANIC

ANALYSIS

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-15

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	49800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-16

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	25800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-17

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 35[illegible]
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36200			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-18

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	71600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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_____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-19

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	77000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-20

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	61100			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-21

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	64000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

OF (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-01

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	31300			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

OF (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-02

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	32000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

OF (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-03

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	50500			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-04

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	48600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-05

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	22400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-06

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	10600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-07

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	29400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-08

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19300			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-09

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	18000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-10

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-11

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-12

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-13

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19100			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2037	102	2000	2088	104	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	1993	100				Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2019	101	2000	2010	101	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2035	102	2000	1966	98	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2035	102	2000	2021	101	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2065	103	2000	2166	108	Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : mg/Kg

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							
Ammonia, as N							
Nitrate							
COD							
BOD 5							
TOC	2000	2063	103				Lloyd Kahn
TDS							
Sulfate							
Alkalinity							
Total Phenols							
Chloride							
Bromide							
Eh							
Specific Conductance							
Cyanide							
pH							
Turbidity							
Color							
Hexavalent Chromium							

Comments _____

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CRQL STANDARDS FOR CONVENTIONALS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.:DS-1 (0-0.5)

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Initial Calibration			Initial Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							EPA 351.3
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							EPA 405.1
TOC							Lloyd Kahn
TDS							EPA 160.1
Sulfate							EPA 300.0
Alkalinity							EPA 310.1
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.3
pH							EPA 150.1
Turbidity							EPA 180.1
Color							EPA 110.1
Hexavalent Chromium							SW 7196

Comments _____

FORM II (Part 2) - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300
Alkalinity											EPA 31
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U							Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U	100	U			Lloyd Kahn
TDS											EPA 160.1
Sulfate											EPA 3[illegible]
Alkalinity											EPA 3[illegible]
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Preparation Blank Matrix: Soil

Preparation Blank Concentration Units: mg/Kg

Analyte	Initial Calib. Blank(mg/L)	C	Continuing Calibration 1	C	2	C	3	C	Prep. Blank	C	Method
TKN as N											EPA 351.3
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											EPA 405.1
TOC	100	U	100	U	100	U					Lloyd Kahn
TDS											EPA 160.1
ulfate											EPA 300.0
Alkalinity											EPA 310.1
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.3
pH											EPA 150.1
Turbidity											EPA 180.1
Color											EPA 110.1
Hexavalent Chromium											SW 7196

Comments _____

FORM III - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	51700		48600		26700	12	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

U.S. EPA - CLP

6
DUPLICATES

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	48600		35900		30.1	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

FORM VI - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG: DS-1 (0-0.5)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2037	102						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM VII - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG: DS-1 (0-0.5)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2019	101						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

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FORM VII - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG: DS-1 (0-0.5)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2035	102						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM VII - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG: DS-1 (0-0.5)

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : mg/Kg

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits		% R
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	2000	2065	103						
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

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FORM VII - CONV

RAW QC

DATA

11/21/02 — ASP-TOC (sediment) — MAR

Sample ID	amt (mg)	meter	ug/g	
2000 ppm		2037		
Blank		<100		
021112 NO1	0.1	2172	869,000	943,0
1112 NO1	0.1	2544	1,017,600	
021114 AE01	0.4	1297	130,000	76,4
1114 AE01	0.7	399	22,800	
021114 AW01	2.1	1776	33800	37,60
1114 AW01	1.1	1138	41,400	
1114 AW02	1.9	1513	31,800	30,0
1114 AW02	2.9	2041	28,200	
1114 AW03	1.0	843	33,700	35,0
1114 AW03	4.4	3978	36,200	
2000 ppm		2088		
Blank		<100		
1114 AW04	2.1	2007	38,200	34,90
1114 AW04	2.0	1580	31,600	
1114 AW04 dup	1.3	1095	33,760	34,8
1114 AW04	2.7	2430	36,000	
(1:2) 1114 AW04 spike,	1.6	2320	58,000	
(1:2) 1114 AW04 spike 2	1.5	2511	67,000	
021107 KO1	5.3	3694	27,400	
~~1107 KO1~~	~~4.0~~	over range mac 11/21		
1107 KO2	1.3	1270	39,100	32,0
1107 KO2	2.2	1364	24,800	
2000 ppm		1993		
Blank		<100		

11/22/02 — ASP-TOC (sediment) — MAR

2000 ppm		2019		
Blank		<100		
021107 KO1	2.4	2114	35,200	31,3
1107 KO3	1.4	1785	51,000	50,5
1107 KO3	2.4	3000	50,000	
1107 KO4	2.6	2680	53,600	48,6
1107 KO4	2.7	2944	43,600	
1107 KO4 dup	2.1	1862	35,500	35,9
1107 KO4	2.7	2453	36,300	

390 p=36%

11/21/02 ASP

1 TOC 2037 200 @ ppm

2 TOC 7.941 BLANK

3 TOC 2172 1112 NOi

4 TOC 2544 1112 NOi

5 TOC 1297 1114 AKOi

6 TOC 399.2 1114 AKOi

7 TOC 1776 1114 AWOi

8 TOC 1138 1114 AWOi

9 TOC 1513 1114 AWO2

10 TOC 2041 1114 AWO2

11 TOC 842.6 1114 AWO3

12 TOC 3978 1114 AWO3

13 TOC 2088 1114 AWO4 200 ppm

14 TOC 28.31 BLANK

15 TOC 2007 1114 AWO4

16 TOC 1580 1114 AWO4

17 TOC 1095 1114 AWO4 dup

18 TOC 2430 1114 AWO4

19 TOC 2320 1114 AWO4 Spike 1

20 TOC 2511 1114 AWO4 Spike 2

21 TOC 3624 1107 KOi

~~22 TOC 2217~~ over range 11/21

23 TOC 1270 1107 KO2

24 TOC 1364 1107 KO2

25 TOC 1993 2000 ppm

26 TOC 27.85 Blank

11/21/02

Spike Recovery = $\frac{\text{spike sample} - \text{sample Val.}}{\text{actual spike}}$

actual Spike = $\frac{\text{ml spike} \times \text{spike conc.}}{\text{ugt. Sample}}$

1114 AWOi Spike 1 =

$\frac{50,000 - 34,900}{25,000} = 92\%$

1114 AWOi Spike 2 =

$\frac{67,000 - 34,900}{26,700} = 120\%$

11/22/02 — TOC - ASP (sediment) — MAC

Sample ID	amt (mg)	meter	ug/g	
1107 K04 spike, (20 ul)	1.5	1960	52,300	
1107 K04 spike$_2$ (20 ul)	1.9	2429	51,100	
1107 K05	1.3	721	22,200	
CCV 2000 ppm		2010		
CCB Bl		<100		
11/25/02				MAC
2000 ppm		2035		
Blank		<100		
1107 K05	2.8	1577	22,500	22,400
1107 K06	3.2	889	11,600	10,600
1107 K06	3.0	709	9450	
1107 K07	3.2	1487	18,600	29,400
1107 K07	3.4	3126	40,300	
1107 K08	2.9	1826	25,200	19,300
1107 K08	3.4	1135	13,400	
1107 K09	3.4	1558	18,300	18,000
1107 K09	2.6	1151	17,760	
1107 K10	1.9	1948	41,000	
2000 ppm		1966		
Blank		<100		
1107 K10	3.6	3224	35,800	36,400
1107 K11	3.2	3885	48,600	36,600
1107 K11	2.0	1423	28,500	
1107 K12	2.1	2661	50,700	36,400
1107 K12	2.7	1500	22,200	
1107 K13	2.0	968	19,400	19,100
1107 K13	3.2	1503	18,800	
1107 K14	2.4	288	4500	
~~1107 K14~~	~~3.6~~	over 11/25/02 MAC		
1107 K14 dup	2.4	3380	56,300	30,500
2000 ppm		2035		
Blank		<100		
1107 K14 dup	MAC 11/25 ~~2.9~~ 1.8	1852	41,200	37,4
1107 K14	1.3	1088	33,500	
1107 K14 spike, (20 ul)	2.0	2518	50,400	F-21
~~1107 K14 spike$_2$ (20 ul)~~	~~2.2~~	over 11/25/02 MAC		392
1107 K15	2.3	4002	69,600	49,2
1107 K15	1.7	1274	30,000	

11/22/02 TOC-ASP
max Csediments

1	TOC	2019	2000 ppm
2	TOC	13.38	BL
3	TOC	2114	1107 K01
4	TOC	1785	1107 K03
5	TOC	3000	1107 K03
6	TOC	2680	1107 K04
7	TOC	2944	1107 K04
8	TOC	1862	1107 K04 dup
9	TOC	2453	1107 K04 dup
10	TOC	1960	1107 K04 spike,
11	TOC	2429	1107 K04 spike
12	TOC	720.7	1107 K05
13	TOC	2010	200 ppm
14	TOC	16.59	BLANK

11/25/02 TOC-Sed
ASP

15	TOC	2035	2000 ppm
16	TOC	40.54	BLANK
17	TOC	1577	1107 K05
18	TOC	889.3	1107 K06
19	TOC	708.9	1107 K06
20	TOC	1487	1107 K07
21	TOC	3426	1107 K07
22	TOC	1826	1107 K08
23	TOC	1135	1107 K08
23	CANCELLED		

TIMEOUT ERROR< 10%

24	TOC	1558	1107 K09
25	TOC	1151	1107 K09
26	TOC	1948	1107 K10
27	TOC	1966	2000 ppm
28	TOC	24.61	Blank
29	TOC	3224	1107 K10
30	TOC	3385	1107 K11
31	TOC	1423	1107 K11
32	TOC	2561	1107 K12
33	TOC	1500	1107 K12
34	TOC	967.6	1107 K13
35	TOC	1503	1107 K13
36	TOC	287.5	1107 K14
~~37~~	~~TOC~~	~~1136~~	~~QC~~
38	TOC	3380	1107 K14
39	TOC	2035	~~1107 K14 dup~~ 200 ppm
40	TOC	22.09	BL
41	TOC	1852	1107 K14 dup
42	TOC	1088	1107 K14
43	TOC	2518	1107 K14
44	~~TOC~~	~~1029~~	spike, ~~1107 K14~~ wet
45	TOC	4002	1107 K15
46	TOC	1274	1107 K15

spike Recovery = $\frac{\text{spike sample conc.} - \text{Sample}}{\text{actual spike}}$

final Spike = $\frac{\text{the spike} \times \text{spike conc}}{\text{wgt sample}}$

07 K04 spike, $\frac{52,300 - 46,600}{26,700} = 14\%$

1107 K14 spike, $\frac{50,400 - 30,500}{20,000} =$

100%

11/25/02 — TOC - ASP (Sediments) — MAE 26

Sample ID	amt (mg)	meter	ug/g	
21107 K16	2.1	1657	31,600	25,800
1107 K16	1.2	599	20,000	
1107 K17	1.5	1256	33,500	36,200
1107 K17	1.9	1845	38,500	
2000 ppm		2021		
Blank		<100		

11/26/02 MAE

CCV 2000 ppm		2065		
CCB Blank		<100		
021107 K18	1.1	2170	78,900	71,60
1107 K18	1.5	2414	64,400	
1107 K19	2.4	2399	40,000	77,00
1107 K19	1.2	3428	114,000	
1107 K20	1.9	3534	74,400	61,10
1107 K20	1.9	2270	47,800	
1107 K21	1.3	2163	66,600	64,00
1107 K21	1.7	2608	61,400	
1107 K22	1.3	1375	42,300	
~~1107 K22~~	~~1.9~~	over rerun		
CV 2000 ppm		2166		
CB Blank		<100		
1107 K22	0.4	1029	103,000	72,60
1107 K23	1.3	1693	52,100	52,90
1107 K23	1.7	2281	53,700	
1107 K24	1.1	179	6510	6400
1107 K24	2.1	331	6300	
1107 K25	1.8	3423	76,100	70,80
1107 K25	1.8	2945	65,400	
1107 K26	2.1	1838	35,000	27,00
1107 K26	1.8	850	18,900	
~~MAE 2000 PPM~~				
1107 K27		<100		
2000 ppm		2063		
Blank		<100		

47	TOC	1657	1107 K16
48	TOC	598.7	1107 K16
49	TOC	1256	1107 K17
50	TOC	1845	1107 K17
51	TOC	2021	2000 ppm
52	TOC	13.69	Blank
11/20/02		ASP-TOC sediments	
53	TOC	2065	2000 ppm
54	TOC	23.92	BL
55	TOC	2170	1107 K18
56	TOC	2414	1107 K18
57	TOC	2399	1107 K19
58	TOC	3428	1107 K19
59	TOC	3534	1107 K20
60	TOC	2270	1107 K20
61	TOC	2163	1107 K21
62	TOC	2608	1107 K21
63	TOC	1375	1107 K22
64	~~TOC~~	~~2369~~	[illegible] 11/20
65	TOC	2166	2000 ppm
66	TOC	21.09	BLANK
67	TOC	1029	1107 K22
68	TOC	1693	1107 K23
69	TOC	2281	1107 K23
70	TOC	178.6	1107 K24
71	TOC	331.4	1107 K24
72	TOC	3423	1107 K25
73	TOC	2945	1107 K25
74	TOC	1838	1107 K26
75	TOC	850.1	1107 K26
76	TOC	22.51	1107 K27
77	TOC	2063	2000 ppm
78	TOC	6.132	BL

CLP pH -

Date In
11/22/02 PZ.

Sample	pH
ICV/CCV 6.0Si	6.03
021107 K01	6.84
K02	7.24
K03	7.17
K04 PZ 11/22/02	7.30
K04D	7.27
K05	7.39
K06	7.43
K07	7.52
K08	7.91
K09	7.96
CCV	6.02
021107 K10	7.34
K11	7.55
K12	7.63
K13	7.61
K14	7.41
K14D	7.43
K15	7.44
K16	7.56
K17	7.80
K18	7.33
CCV	5.99
021107 K19	6.97
K20	7.08
K21	7.17
K22	7.03
K23	7.18
K24	7.44
K25	7.32
K26	7.62
CCV	6.01

DATA VALIDATION REPORT - Level III Review

SDG No.: DS-1 **Fraction:** VOCs & Metals

Lab: AES **Project Name:** GE Tonawanda

Reviewer: JFK **Date:** December 18, 2002

This report presents the findings of a review of the referenced data. The report consists of this summary, a listing of the samples included in the review, copies of data reports with data qualifying flags applied, supporting documentation, and an explanation of the data qualifying flags employed. The review performed is based on the Region III Modifications to the USEPA National Functional Guidelines for Data Review, modified to reflect the level of review requested, and the specifics of the analytical method employed.

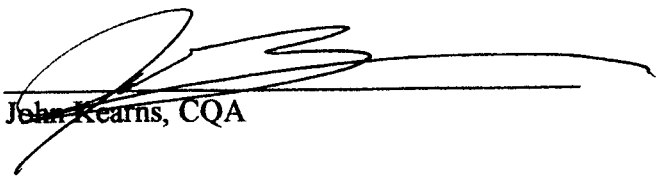
Major Anomalies: None.

Minor Anomalies: The PCB matrix spike and matrix spike duplicate displayed recoveries greater than the upper control limit (i.e., 150%) at 184% and 307%. The laboratory identifies the source of the exceedance as native concentrations of PCBs 1248 and 1254 contributing to the peaks for the spiked PCBs 1016 and 1260. The LCS displays acceptable recoveries for the spiked constituents. The explanation is, therefore, reasonable and, based on professional judgment, no data qualifying action has been taken. Similarly, sample US-3(0.5-1.0) displays an interference affecting the surrogate recovery on one of the two columns used in the analysis. The reviewer, in assessing the raw data provided, agrees with the laboratory's explanation and thus, no data flags were applied.

The TOC matrix spike displayed critically low recovery at 12%. All positive results were flagged "J" and should be considered to display a significant negative bias.

Correctable Anomalies: None.

Comments: Various samples were analyzed at dilutions due concentrations of analyte exceeding the linear range of the instrument. Reporting limits are elevated for affected analytes in those cases. The specific samples in questions are identified on the first page of the case narrative, which is appended to this report.

Signed: 

John Kearns, CQA

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other ~~CN~~ TOC
OF (0-0.5)	021107K-01			X			X
OF (0.5-1.0)	021107K-02			X			X
OF (1.0-2.0)	021107K-03			X			X
US-1 (0-0.5)	021107K-04			X			X
US-1 (0.5-1.0)	021107K-05			X			X
US-1 (1.0-2.0)	021107K-06			X			X
US-2 (0-0.5)	021107K-07			X			X
US-2 (0.5-1.0)	021107K-08			X			X
US-2 (1.0-2.0)	021107K-09			X			X
US-3 (0-0.5)	021107K-10			X			X
US-3 (0.5-1.0)	021107K-11			X			X
US-3 (1.0-2.0)	021107K-12			X			X
US-4 (0-0.5)	021107K-13			X			X
DS-1 (0-0.5)	021107K-15			X			X
'S-1 (0.5-1.0)	021107K-16			X			X
DS-1 (1.0-2.0)	021107K-17			X			X
DS-2 (0-0.5)	021107K-18			X			X
DS-2 (0.5-1.0)	021107K-19			X			X
DS-2 (1.0-2.0)	021107K-20			X			X
DS-3 (0-0.5)	021107K-21			X			X

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K15

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 16. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	140.	
11097-69-1	Arochlor-1254	180.	
11096-82-5	Arochlor-1260	39.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (0.5-1)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K16

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	180.	
11097-69-1	Arochlor-1254	200.	
11096-82-5	Arochlor-1260	42.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-1 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K17

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	300.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K18

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 27. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	510.	
11096-82-5	Arochlor-1260	180.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-2 (0.5-1)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K19

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 32. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	190.	U

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EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

DS-2 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K20

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	480.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0-0.5)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K21

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	470.	U
11104-28-2	Arochlor-1221	470.	U
11141-16-5	Arochlor-1232	470.	U
53469-21-9	Arochlor-1242	470.	U
12672-29-6	Arochlor-1248	980.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	470.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K01

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 18. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	320.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OF (0.5-1)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K02

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	610.	
11097-69-1	Arochlor-1254	500.	
11096-82-5	Arochlor-1260	170.	U

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EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

OF (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: OF (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K03

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	330.	
11097-69-1	Arochlor-1254	420.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0-0.5)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K04

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	280.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-1 (0.5-1)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K05

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 21. dec.YES Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	42.	U
11104-28-2	Arochlor-1221	42.	U
11141-16-5	Arochlor-1232	42.	U
53469-21-9	Arochlor-1242	42.	U
12672-29-6	Arochlor-1248	42.	U
11097-69-1	Arochlor-1254	97.	
11096-82-5	Arochlor-1260	42.	U

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EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

US-1 (1-2)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-1 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K06

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 16. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	39.	U
11104-28-2	Arochlor-1221	39.	U
11141-16-5	Arochlor-1232	39.	U
53469-21-9	Arochlor-1242	39.	U
12672-29-6	Arochlor-1248	39.	U
11097-69-1	Arochlor-1254	22.	J
11096-82-5	Arochlor-1260	39.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K07

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 19. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	170.	
11097-69-1	Arochlor-1254	410.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (0.5-1)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K08

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 15. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	310.	
11097-69-1	Arochlor-1254	640.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-2 (1-2)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-2 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K9

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 13. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	150.	U
11104-28-2	Arochlor-1221	150.	U
11141-16-5	Arochlor-1232	150.	U
53469-21-9	Arochlor-1242	150.	U
12672-29-6	Arochlor-1248	560.	
11097-69-1	Arochlor-1254	380.	
11096-82-5	Arochlor-1260	150.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-3 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K10

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 25. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	180.	U
11104-28-2	Arochlor-1221	180.	U
11141-16-5	Arochlor-1232	180.	U
53469-21-9	Arochlor-1242	180.	U
12672-29-6	Arochlor-1248	260.	
11097-69-1	Arochlor-1254	300.	
11096-82-5	Arochlor-1260	180.	U

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EPA SAMPLE NO.

PCB ORGANICS ANALYSIS DATA SHEET

US-3 (0.5-1)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (0.5-1)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K11

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 30. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	360.	
11097-69-1	Arochlor-1254	560.	
11096-82-5	Arochlor-1260	190.	U

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EPA SAMPLE NO.

US-3 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K12

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	440.	
11097-69-1	Arochlor-1254	440.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K13

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 20. dec. Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	280.	
11097-69-1	Arochlor-1254	290.	
11096-82-5	Arochlor-1260	170.	U

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DS-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-15

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	49800		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-16

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	25800		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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DS-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-17

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36200		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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DS-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-18

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	71600		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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DS-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-19

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	77000		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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DS-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-20

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	61100		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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DS-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-21

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	64000		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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OF (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-01

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	31300		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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OF (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-02

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	32000		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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OF (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-03

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	50500		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-04

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	48600		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

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US-1 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-05

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	22400		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-1 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-06

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	10600		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-2 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-07

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	29400		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-2 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-08

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19300		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-2 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-09

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	18000		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-3 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-10

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38400		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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US-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-11

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	38600		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-12

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	36400		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

US-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Lab Sample ID: 021107K-13

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	19100		J	Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary. ✓

6) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

7) Sample US-3 (0.5-1.0) had an interfering peak present that prevented quantitation of the surrogate. The surrogate recovery form is flagged with "IP" to denote this interfering peak.

8) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
OF (0-0.5)	021107K-01	1:4
OF (0.5-1.0)	021107K-02	1:4
OF (1.0-2.0)	021107K-03	1:4
US-1 (0-0.5)	021107K-04	1:4
US-2 (0-0.5)	021107K-07	1:4
US-2 (0.5-1.0)	021107K-08	1:4
US-2 (1.0-2.0)	021107K-09	1:4
US-3 (0-0.5)	021107K-10	1:4
US-3 (0.5-1.0)	021107K-11	1:4
US-3 (1.0-2.0)	021107K-12	1:4
US-4 (0-0.5)	021107K-13	1:4
DS-1 (1.0-2.0)	021107K-17	1:4
DS-2 (0-0.5)	021107K-18	1:4
DS-2 (0.5-1.0)	021107K-19	1:4
DS-2 (1.0-2.0)	021107K-20	1:4
DS-3 (0-0.5)	021107K-21	1:10

Conventionals

1) Sample US-1 (0-0.5) (AES sample number 021107K-04) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 12 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 30.1 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

2E
SOIL SURROGATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	92	
2	OF (0-0.5)	147	
3	OF (0.5-1)	128	
4	OF (1-2)	92	
5	US-1 (0-0.5)	86	
6	US-2 (0-0.5)	133	
7	US-2 (0.5-1)	83	
8	US-2 (1-2)	99	
9	US-3 (0-0.5)	106	
10	US-3 (0.5-1)	IP	
11	US-3 (1-2)	90	
12	US-4 (0-0.5)	115	
13	DS-1 (1-2)	84	
14	DS-2 (0-0.5)	126	
15	DS-2 (0.5-1)	63	
16	DS-2 (1-2)	135	
17	PMSBU1	105	
18	US-1 (0-0.5) MS	135	
19	US-1 (0-0.5) MSD	147	
20	US-1 (0.5-1)	91	
21	US-1 (1-2)	107	
22	DS-1 (0-0.5)	109	
23	DS-1 (0.5-1)	100	
24	DS-3 (0-0.5)	120	
25			
26			
27			
28			
29			
30			

which column used for data? OK

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

2E
SOIL PCB SURROGATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

	EPA SAMPLE NO.	S1 DCB #	OTHER
1	PBLKU01	93	
2	OF (0-0.5)	109	
3	OF (0.5-1)	93	
4	OF (1-2)	92	
5	US-1 (0-0.5)	87	
6	US-2 (0-0.5)	106	
7	US-2 (0.5-1)	85	
8	US-2 (1-2)	105	
9	US-3 (0-0.5)	119	
10	US-3 (0.5-1)	123	
11	US-3 (1-2)	98	
12	US-4 (0-0.5)	129	
13	DS-1 (1-2)	95	
14	DS-2 (0-0.5)	113	
15	DS-2 (0.5-1)	93	
16	DS-2 (1-2)	106	
17	US-1 (0.5-1)	82	
18	US-1 (1-2)	102	
19	DS-1 (0-0.5)	93	
20	DS-1 (0.5-1)	91	
21	DS-3 (0-0.5)	136	
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS (50-150)

S1 = DCB

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

IP= Interference Peak

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: US-1 (0-0.5)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	216.	.00	397.	184*	50-150
Arochlor-1260	216.	.00	262.	121	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	216.	663.	307*	50	50	50-150
Arochlor-1260	216.	211.	98	21	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix Spike - EPA Sample No.: PMSBU01 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	168.00	101	50-150
Aroclor 1260	166.67	0.0	213.00	128	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

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DUPLICATES

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	RPD ~~% R~~	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	48600		35900		30.1	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

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SPIKE SAMPLE RECOVERY

US-1 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: URS 0204 SAS No.: SDG No.: DS-1 (0-0.5)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	51700		48600		26700	12	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

Clifton Park / United States

Directories Homepage
View by Location
View by Region

Print View

Office Information

Address:	URS Corporation 646 Plank Road, Suite 202 Clifton Park, NY 12065 United States
Telephone:	518.688.0015
Fax:	518.688.0022
Profit Center:	Yes
Branch Office:	No
Project Office:	No
Employee Count:	21
Regional HR Manager:	Jennie Caruso
Local HR Representative:	Joanne Gatchell

Manager Information

President:	Irwin L. Rosenstein
Division Manager:	Robert M. Gallen
Regional Manager:	John C. Gorton, Jr.
Office Manager:	Don Porterfield

Don -
GE data
for your use

DATA VALIDATION REPORT - Level III Review

SDG No.: DS-3 **Fraction:** VOCs & Metals

Lab: AES **Project Name:** GE Tonawanda

Reviewer: JFK **Date:** December 18, 2002

This report presents the findings of a review of the referenced data. The report consists of this summary, a listing of the samples included in the review, copies of data reports with data qualifying flags applied, supporting documentation, and an explanation of the data qualifying flags employed. The review performed is based on the Region III Modifications to the USEPA National Functional Guidelines for Data Review, modified to reflect the level of review requested, and the specifics of the analytical method employed.

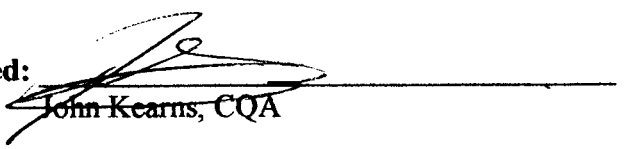
Major Anomalies: None.

Minor Anomalies: The PCB matrix spike displayed a recovery greater than the upper control limit (i.e., 150%) at 230% and a relative percent difference of 62% compared to a QC limit. The laboratory identifies the source of the exceedance as native concentrations of PCBs 1248 and 1254 contributing to the peaks for the spiked PCBs 1016 and 1260. The LCS displays acceptable recoveries for the spiked constituents. The explanation is, therefore, reasonable and, based on professional judgment, no data qualifying action has been taken.

The TOC matrix spike displayed critically low recovery at 20%. All sample results were positive, these results were flagged "J", and should be considered to display a significant negative bias.

Correctable Anomalies: None.

Comments: Various samples were analyzed at dilutions due concentrations of analyte exceeding the linear range of the instrument. Reporting limits are elevated for affected analytes in those cases. The specific samples in questions are identified on the first page of the case narrative, which is appended to this report.

Signed: 
John Kearns, CQA

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other ~~CN~~ TOC
US-4 (0.5-1.0)	021107K-14			X			X
DS-3 (0.5-1.0)	021107K-22			X			X
DS-3 (1.0-2.0)	021107K-23			X			X
DS-4 (0-0.5)	021107K-24			X			X
DUP-1	021107K-25			X			X
DUP-2	021107K-26			X			X
EB-1	021107K-27			X			X

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (0.5-1.0)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (0.5-1.0)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K22

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 53. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) S0NC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	280.	U
11104-28-2	Arochlor-1221	280.	U
11141-16-5	Arochlor-1232	280.	U
53469-21-9	Arochlor-1242	280.	U
12672-29-6	Arochlor-1248	2800.	
11097-69-1	Arochlor-1254	2000.	
11096-82-5	Arochlor-1260	280.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-3 (1-2)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-3 (1-2)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K23

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 31. dec. Y Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/17/02

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	190.	U
11104-28-2	Arochlor-1221	190.	U
11141-16-5	Arochlor-1232	190.	U
53469-21-9	Arochlor-1242	190.	U
12672-29-6	Arochlor-1248	670.	
11097-69-1	Arochlor-1254	780.	
11096-82-5	Arochlor-1260	190.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-4 (0-0.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DS-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K24

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	43.	U
11104-28-2	Arochlor-1221	43.	U
11141-16-5	Arochlor-1232	43.	U
53469-21-9	Arochlor-1242	43.	U
12672-29-6	Arochlor-1248	43.	U
11097-69-1	Arochlor-1254	86.	
11096-82-5	Arochlor-1260	43.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

US-4 (0-0.5)

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: US-4 (0-0.5)

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K14

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 22. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/02

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	340.	
11097-69-1	Arochlor-1254	1000.	
11096-82-5	Arochlor-1260	170.	U

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- ACTUALLY US-4 (0.5-1)
CONFIRMED W/ LAB ON 12DEC02 AT 1200 HRS.

THOMAS SHINE

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K25

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 23. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	170.	U
11104-28-2	Arochlor-1221	170.	U
11141-16-5	Arochlor-1232	170.	U
53469-21-9	Arochlor-1242	170.	U
12672-29-6	Arochlor-1248	490.	
11097-69-1	Arochlor-1254	650.	
11096-82-5	Arochlor-1260	170.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-2

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) SOIL Lab Sample ID: DUP-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 021107 K26

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. 17. dec._____ Date Extracted: 11/11/02

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	160.	U
11104-28-2	Arochlor-1221	160.	U
11141-16-5	Arochlor-1232	160.	U
53469-21-9	Arochlor-1242	160.	U
12672-29-6	Arochlor-1248	200.	
11097-69-1	Arochlor-1254	270.	
11096-82-5	Arochlor-1260	160.	U

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PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-1

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix: (soil/water) WATER Lab Sample ID: EB-1

Sample wt/vol: 1000. (g/mL) ML Lab File ID: 021107 K27

Level: (low/med) LOW Date Received: 11/07/02

% Moisture: not dec. __. dec._____ Date Extracted: 11/12/02

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/02

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Arochlor-1016	0.065	U
11104-28-2	Arochlor-1221	0.065	U
11141-16-5	Arochlor-1232	0.065	U
53469-21-9	Arochlor-1242	0.065	U
12672-29-6	Arochlor-1248	0.065	U
11097-69-1	Arochlor-1254	0.065	U
11096-82-5	Arochlor-1260	0.065	U

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-22

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	72600			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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CONVENTIONALS ANALYSIS DATA SHEET

DS-3 (1.0-2.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-23

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	52900			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

DS-4 (0-0.5)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-24

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	6400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-14

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	37400			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

DUP-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-25

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	70800			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

DUP-2

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Lab Sample ID: 021107K-26

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 100

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	27000			Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

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FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

EB-1

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Water Lab Sample ID: 021107K-27

Level (Low/Med): Low Date Received: 11/7/02

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				EPA 351.3
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				EPA 405.1
Total Organic Carbon (TOC)	100	U		Lloyd Kahn
Total Dissolved Solids (TDS)				EPA 160.1
Sulfate				EPA 300.0
Alkalinity				EPA 310.1
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.3
pH				EPA 150.1
Turbidity				EPA 180.1
Color				EPA 110.1
Hexavalent Chromium				SW 7196

Comments _____

FORM I - CONV

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

Case Narrative

Client: URS Greiner Woodward Clyde - GE Tonawanda

Case: UR 0205

SDG: DS-3 (0.5-1.0)

Sample ID	Laboratory Sample ID	Date Received	VTSR	Matrix
US-4 (0.5-1.0)	021107K-14	11/07/02	09:00	Soil
DS-3 (0.5-1.0)	021107K-22	11/07/02	09:00	Soil
DS-3 (1.0-2.0)	021107K-23	11/07/02	09:00	Soil
DS-4 (0-0.5)	021107K-24	11/07/02	09:00	Soil
DUP-1	021107K-25	11/07/02	09:00	Soil
DUP-2	021107K-26	11/07/02	09:00	Soil
EB-1	021107K-27	11/07/02	09:00	Water

PCB's

1) Samples were analyzed using EPA Method 8082.

2) Peak area was used to calculate all values appearing in this data package.

3) The primary quantitation column is identified as DB1701 and the confirmation column is identified as DB608.

4) Please find after this narrative, a listing of the peaks used to identify and quantitate Aroclor constituents in this data package.

5) All PCB samples were sulfur and acid cleaned prior to analysis as necessary.

6) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used for matrix spike and the matrix spike duplicate analysis. The MS/MSD was spiked with Aroclor 1016 and Aroclor 1260. The recovery for Aroclor 1016 was outside required limits due to co-eluting peaks with the Aroclor 1248 in the sample. According to the protocol, a matrix spike blank must be analyzed. A matrix spike blank was analyzed and all recoveries were within acceptable limits.

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7) The following samples were diluted prior to analysis due to the high levels of PCB's present.

Client ID	Laboratory ID	Final Dilution
US-4 (0.5-1.0)	021107K-14	1:4
DS-3 (0.5-1.0)	021107K-22	1:4
DS-3 (1.0-2.0)	021107K-23	1:4
DUP-1	021107K-25	1:4
DUP-2	021107K-26	1:4

Conventionals

1) Sample US-4 (0.5-1.0) (AES sample number 021107K-14) was used as the matrix spike and duplicate. The spike recovery for Total Organic Carbon was below the required limits of 75-125 %. The recovery for this spike was 65 %. The duplicate recovery for Total Organic Carbon was above the required limits of 20 %. The duplicate recovery was 20.3 %.

2) The results for the Total Organic Carbon in the soil samples are based on 100 % solids. The method for TOC in soil requires that the sample by dried first. No further correction for the % solids is necessary.

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laura Dunk
Laboratory Manager

Date: 12/16/02

3E

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: US-4 (0.5-1)

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Arochlor-1016	214.	.00	493.	230*	50-150
Arochlor-1260	214.	.00	270.	126	50-150

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arochlor-1016	214.	261.	122	62 *	50	50-150
Arochlor-1260	214.	265.	124	2	50	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 1 out of 4 outside limits

COMMENTS: High Aroclor 1248 Coelutes with 1016 spike. Non Homogenous Sample.

FORM III PEST-1 1/87 Rev.

3F

SOIL PCB MATRIX SPIKE BLANK RECOVERY

LAB NAME Adirondack Environmental Contract:

LAB CODE: AES Case No.: UR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix Spike - EPA Sample No.: PMSBU02 Level:(Low/Med) Low

Compound	Spike Added ug/Kg	Sample Concentration ug/Kg	MS Concentration ug/Kg	MS % REC. #	QC Limits REC.
Aroclor 1016	166.67	0.0	178.00	107	50-150
Aroclor 1260	166.67	0.0	216.00	130	50-150

Column used to flag recovery values

* Values outside of required QC limits

Spike Recovery 0 out of 2 outside limits.

Comments: _____

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U.S. EPA - CLP

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DUPLICATES

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids for Sample: 100 % Solids for Duplicate: 100

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

Analyte	Control Limit % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC	20	37400		30500		20.3	*	
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium								

Comments _____

FORM VI - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

US-4 (0.5-1.0)

LAB NAME: Adirondack Environmental CONTRACT:

LAB CODE: AES Case No.: USR 0205 SAS No.: SDG No.: DS-3 (0.5-1.0)

Matrix (soil/water): Soil Level (Low/Med): Low

% Solids: 100

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

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	% R	Q	M
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC	75-125	50400		37400		20000	65	*	
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium									

Comments _____

FORM V (Part 1) - CONV

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE Tonawanda -2mile

LAB Adirondack

COOLER 1 of 1

PAGE 2 of 3

SAMPLERS (PRINT/SIGNATURE) Jennifer Christy David Cofield

DELIVERY SERVICE: FedEx AIRBILL NO.: 821346420781

TESTS: PCB/TOC

BOTTLE TYPE AND PRESERVATIVE: 4oz glass

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
UPSTREAM	11/6/02	13:30	G	US-4 (0-0.5)	SE	1		N	0	0.5	
		13:35	G	US-4 (0.5-1.0)		1			0.5	1.0	
				~~US-4 (1.0-2.0)~~		1			1.0	2.0	
DOWNSTREAM		11:05	G	DS-1 (0-0.5)		1			0	0.5	
		11:10	G	DS-1 (0.5-1.0)		1			0.5	1.0	
		11:15	G	DS-1 (1.0-2.0)		1			1.0	2.0	
		10:45	G	DS-2 (0-0.5)		1			0	0.5	
		10:50	G	DS-2 (0.5-1.0)		1			0.5	1.0	
		10:55	G	DS-2 (1.0-2.0)		1			1.0	2.0	
		10:15	G	DS-3 (0-0.5)		1			0	0.5	
		10:20	G	DS-3 (0.5-1.0)		1			0.5	1.0	
		10:25	G	DS-3 (1.0-2.0)		1			1.0	2.0	

QC

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Jennifer Christy	11/6/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	11/6/02	1630			

SPECIAL INSTRUCTIONS
STANDARD TURN AROUND
SAMPLES SHIPPED ON ICE
Q+A Karen Peppin - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE Tonawanda - 2mile

LAB ADIRONDACK

COOLER 1 of 1

PAGE 3 of 3

SAMPLERS (PRINT/SIGNATURE) Jen Chrosky David Cofield

DELIVERY SERVICE: FedEx AIRBILL NO.: 821366420781

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: PCB/TOC	TESTS: PCB	TESTS: PCB	TESTS: TOC	BOTTLE TYPE AND PRESERVATIVE: 40y glass	BOTTLE TYPE AND PRESERVATIVE: 3-1L clear	BOTTLE TYPE AND PRESERVATIVE: 1-1L Amber	BOTTLE TYPE AND PRESERVATIVE: 4 125mL poly	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
Downstream	11/6/02	09:45	G	DS-4 (C-0.5)	SE	1					1					N1	0	0.5	
~~↓~~				~~DS-4 (0.5-1.0)~~		~~1~~										~~N1~~	~~0.5~~	~~1.0~~	QC
~~↓~~				~~DS-4 (1.0-2.0)~~		~~1~~										~~N1~~	~~1.0~~	~~2.0~~	QC
DUP-1		10:15	G	DUP-1		1					1				DUP-1	FR1			
MS1		12:25	G	MS-1(US-1 0-0.5)		1					1				MS-1	MS1			
MSD1		12:25	G	MSD-1(US-1 0-0.5)		1					1				MSD-1	MSD1			
DUP-2		12:50	G	DUP-2		1					1				DUP-2	FR2			
MS-2		13:35	G	MS-2(US4 0.5-1.0)		1					1				MS-2	MS2			
MSD2		13:35	G	MSD-2(US4 0.5-1.0)		1					1				MSD-2	MSD2			
Equipment blank		14:00		EB-1	WQ	8					~~X~~ 4	3	1	4	Equip. Blank	RB1			

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
~~[signature]~~	~~11/6/02~~	~~16:30~~			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]	11/6/02	16:30			

SPECIAL INSTRUCTIONS

STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE

Q+A Karen Peppin - URS
518-688-0015

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS Greiner Woodward Clyde

PROJECT NO. 11170595.00000

SITE NAME GE TONAWANDA

LAB ADIRONDACK

COOLER 1 of 1

PAGE 1 of 3

SAMPLERS (PRINT/SIGNATURE)
JENNIFER CHRISTY DAVID COFIELD

DELIVERY SERVICE: FED EX AIRBILL NO.: 821366420781

TESTS: PCB/TOC

BOTTLE TYPE AND PRESERVATIVE: 402 glass

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
OUTFALL	11-6-02	11:50	G	OF (0-0.5)	SE	1		N1	0	0.5	
OUTFALL		11:55	G	OF (0.5-1.0)		1		N1	0.5	1.0	
OUTFALL		12:05	G	OF (1.0-2.0)		1		N1	1.0	2.0	
UP STREAM		12:25	G	US-1 (0-0.5)		1		N1	0	0.5	
		12:30	G	US-1 (0.5-1.0)		1		N1	0.5	1.0	
		12:35	G	US-1 (1.0-2.0)		1		N1	1.0	2.0	
		12:50	G	US-2 (0-0.5)		1		N1	0	0.5	
		1255	G	US-2 (0.5-1.0)		1		N1	0.5	1.0	
		13:00	G	US-2 (1.0-2.0)		1		N1	1.0	2.0	
		13:15	G	US-3 (0-0.5)		1		N1	0	0.5	
		13:20	G	US-3 (0.5-1.0)		1		N1	0.5	1.0	
		13:25	G	US-3 (1.0-2.0)		1		N1	1.0	2.0	

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	11/16/02	16:30			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]	11/16/02	16:30			

Distribution: Original accompanies shipment, copy to coordinator field files

SPECIAL INSTRUCTIONS
STANDARD TURNAROUND
SAMPLES SHIPPED ON ICE
Q+A KAREN PEPPIN URS
518-688-0015

URSF-075C/1 OF 1/CofCR/GCM