

Ben
Please review.
I think we must address
the effectiveness of this
site if it is not working.
my suspicion it is not.
TJ
6/6

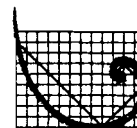
ERM-EnviroClean-Northeast

421 New Karner Road
Albany, NY 12205
(518) 452-1429
(518) 452-4295 (Fax)

May 19, 1998

Dr. John Matuszek
New York State Department of Health
P.O. Box 509
Empire State Plaza
Albany, New York 12201-0509

MAY 21
OPERATIONS & MAINTENANCE
SECTION



ERM

RE: Semi-Annual Ground Water Monitoring Report
Fifth Year, First Half
NYSDOH Restoration Project
Axelrod Institute
New Scotland Avenue
Albany, New York
NYSDEC ID No. 401031
ERM-EnviroClean Project No. 190.001

Dear Dr. Matuszek:

The Agreement for Professional Engineering Services between the New York State Department of Health (NYSDOH) and Environmental Resources Management, Inc. (ERM), dated January 19, 1993 requires that the Engineer submit a Summary Report with each Ground Water Monitoring Event performed at the NYSDOH Restoration Site (the Site). This ground water monitoring report presents the results of the Fifth Year, First Half (April 2, 1998) sampling event.

Based on the Order on Consent (Index #A4-0304-93-07) between the NYSDOH and the NYSDEC, the Ground Water Monitoring Report is to be submitted within an agreed upon time from the receipt of validated data by the three parties. Enclosed as requested are three Final copies of the Fifth Year, First Half Ground Water Monitoring Report for your files. One copy of this Final Report has also been mailed to the NYSDEC.

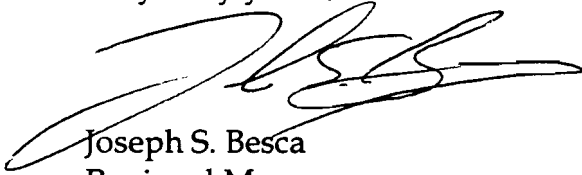
Written summation of field and analytical procedures have not been provided in this report since these methods and modes have previously been presented in numerous prior reports. In addition, analyses of data and conclusion drawn from these analyses do not differ significantly from those presented in our previous reports.



Dr. John Matuszek
May 19, 1998
EnviroClean Project No. 190.001
Page 2

Should you have any further questions or require additional information,
please feel free to contact me at 452-1429.

Very truly yours,



Joseph S. Besca
Regional Manager
EnviroClean Northeast Inc.



Attachment

c.c. Mr. Gerald Rider, NYSDEC

Ground Water Storage Operating Report

t3/

5-16

* One percent (1%) is approximately equal to 75 gallons.

Figure 5-1
Ground Water Storage Tank Operating Report

Date	Time	Tank Fill			Storage Tank Initial Readings		Storage Tank Final Readings *		Volume Disposed *	Total Volume Disposed *
					Level	Volume	Level **	Volume **		
		Start	Ongoing	Full	%	Gallons *	%	Gallons	Gallons	Gallons
9/15/97	12:15 P				57.4	4,093				
9/17/97	14:30 P				57.9	4,128				
9/23/97	12:15 P				60.3	4,296				
9/26/97	4:45 P				61.6	4,387				
9/30/97	11:30				63.2	4,499				
10/3/97	9:00				64.4	4,583				
10/8/97	12:10 P				65.0	4,625				
10/13/97	12:50 P				65.8	4,681				
10/21/97	12:00				67.2	4,779				
10/24/97	12:00				68.5	4,870				
10/28/97	1:00 P				70.0	4,975				
10/28/97	1:30 P	SYSTEM TURNED OFF								
11/19/97	12:00	TANK RECALIBRATED - SYSTEM TURNED ON								
11/20/97	8:30				2.2	229				
11/24/97	12:00				3.5	320				
11/26/97	8:30				4.1	362				
12/2/97	11:00				6.0	495				
12/12/97	10:00				11.4	873				
12/17/97	4:45 8:10				13.2	999				
12/24/97	1025				16.6	1,237				
12/30/97	1:00 P				19.7	1,454				
1/9/98	4:45 P				24.8	1,811				
1/13/98	4:00 P				26.7	1,944				
1/23/98	1155 A				33.1	2,392				
1/29/98	1350				36.6	2,637				
2/9/98	0940				41.6	2,987				
2/13/98	0700				43.8	3,141				
2/18/98	1020				46.5	3,330				
2/26/98	1700				50.6	3,617				
3/3/98	1725				54.3	3,876				
3/13/98	1700				54.5	4,240				

4869 4968 40,534
40,633

5-16

** If tank is not being drained, do not fill in these columns.

* One percent (1%) is approximately equal to 70 gallons.

Hazardous Waste Manifests



NYG0681714

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Rev. 3/97)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD14861526300002		Manifest Doc. No. 1		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address New York State Department of Health 120 New Scotland Ave, Albany, N.Y. 12233						A. NYG0681714					
4. Generator's Telephone Number 518-474-3252						B. Generator's ID Axelrod Institute					
5. Transporter 1 (Company Name) TONAWANDA TANK						C. State Transporter's ID 1796317					
6. US EPA ID Number NYD097644801						D. Transporter's Telephone (716) 873-9703					
7. Transporter 2 (Company Name)						E. State Transporter's ID					
8. US EPA ID Number						F. Transporter's Telephone ()					
9. Designated Facility Name and Site Address BFI-CECOS - Waste water 5600 Niagara Falls Blvd. Niagara Falls, NY 14304-1532						G. State Facility ID					
10. US EPA ID Number NYD080336241						H. Facility Telephone ()					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total		14. Unit	
						Number		Quantity		Wt/Vol	
a. RQ Hazardous Waste Liquid Nsg9 NA3082, PG III (F039)						XX1TT		5000 GAL			
b.										I. Waste No. EPA F039 STATE F039	
c.										EPA STATE	
d.										EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above					
a.						a. ☒ ☐					
b.						b. ☐ ☐					
15. Special Handling Instructions and Additional Information Emergency Site Contact - MR LAURIE DUNCAN (518) 474-3215 Product Code # 12280-AAB											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name						Signature					
Mo. 04 Day 02 Year 98											
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
Mo. 04 Day 02 Year 98											
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
Mo. 04 Day 02 Year 98											
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name						Signature					
Mo. Day Year											

TONAWANDA TANK TRANSPORT SERVICE, INC.

1140 MILITARY ROAD
P.O. BOX H
BUFFALO, NY 14217
(716) 873-9703

3618 U.S. ROUTE 42 SOUTH
LEBANON, OH 45036
(513) 398-6997

DATE

4/2/98

PICK UP		DELIVERY	
SHIPPER	NAME DAVID AXEL ROD INSTITUTE	CONSIGNEE	NAME CECOS
	STREET 129 NEW SCOTLAND RD		STREET 56th NIAGARA FALLS BLVD
	CITY ALBANY NY		CITY NIAGARA FALLS NY
	CONTACT NAME		CONTACT NAME
	SCHEDULED TIME 8.00am		SCHEDULED TIME 3.00pm
ADDITIONAL INFORMATION		ADDITIONAL INFORMATION	

PURCHASE ORDER NO.

WORK ORDER NUMBER

MANIFEST NUMBER

PRODUCT CODE

LOAD NUMBER

TRUCK ORDER NUMBER

TRAILER NUMBER

DRIVER'S NAME

TYPE (CIRCLE ONE)

MATERIAL DESCRIPTION

QUANTITY

TANK (S/S) (R/L)
VAC
DUMP
VAN
ROLL-OFF
FLATBED

95 PER Manifest

4800
GAL

PICK UP		DELIVERY	
ARRIVAL TIME 7:30 AM	RELEASE TIME 9:00 AM	DRIVER _____	DATE _____
TRAILER EMPTY UPON ARRIVAL (If not, explain below)	☒ YES ☐ NO	ARRIVAL TIME _____	RELEASE TIME _____
DIP MEASUREMENT (Tankers Only) _____ INCHES		TRAILER EMPTY UPON DEPARTURE (If not, explain below)	☐ YES ☒ NO
COMMENTS: (EXPLAIN ALL DELAYS) Vac out Take Empty		COMMENTS: (EXPLAIN ALL DELAYS)	
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.		I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	
X [Signature] SHIPPER'S SIGNATURE		X _____ CONSIGNEE'S SIGNATURE	

OFFICE USE ONLY

DRIVER		ACCOUNTING	
TRIP	_____	DRIVER'S #	_____
TOLLS	_____	FREIGHT	_____
DEMURRAGE	_____	TOLLS	_____
LAYOVER	_____	DEMURRAGE	_____
VAC	_____	MISC.	_____
MISC	_____	TOTAL	_____
TOTAL: _____			

ATTACHMENT One
(Data Validation)

**DATA VALIDATION REVIEW OF
GROUND WATER SAMPLE ANALYSES
NYSDOH WADSWORTH CENTER
ERM-NORTHEAST PROJECT NO. 400.141
AES CASE NUMBER: EC9801, SDG NUMBER: MW-4D**

Deliverables

The above referenced Data Summary Package and Sample Data Package contain all required deliverables as stipulated under the 1991 New York State Analytical Services Protocols (ASP) Superfund Category for Target Compound List (TCL) Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs). The data have been validated according to the protocols and QC requirements of the ASP, the USEPA National Functional Guidelines for Organic Data Review (February 1994 revision), and the reviewer's professional judgment.

This validation report pertains to the following samples:

Samples

QC Samples

MW-4S	MW-5S	MW-8M MS/MSD
MW-4M	MW-5M	MW-12S (MW-5S Field Duplicate)
MW-4D	MW-8S	Trip Blank
	MW-8M	

The following items/criteria were reviewed for this report:

- Quantitation/detection limits
- Holding times
- GC/MS tuning and performance
- Initial and continuing calibration data
- Procedural, field and trip blank data
- Internal standard areas, retention times, summary and data
- Surrogate recoveries, summary and data
- MS/MSD/MSB recoveries, summary and data
- Chromatograms and mass spectra
- Data system printouts
- Qualitative and quantitative compound identification
- Case narrative and deliverables compliance



The items listed above were technically and contractually in compliance with NYSDEC ASP protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

VOLATILES

- The following table lists compounds that exceeded 30% percent relative percent difference (RPD) between the initial calibration (I) response factors or 25% percent difference (%D) between the initial calibration average response factor and the continuing calibration (C) response factor. Associated field samples are also listed. Positive sample results for these compounds are considered estimated and flagged "J", while non-detect results are flagged "UJ".



Calibration	Compound	Deficiency	Associated Samples
I - 03/30/98 (1242 - 1542)	methylene chloride acetone	%RSD = 35.7 %RSD = 34.0	all samples
C - 04/08/98 (1350)	chloroethane methylene chloride t-1,2-dichloroethene 4-methyl-2-pentanone	%D = 30.5 %D = 36.9 %D = 28.3 %D = 39.1	all samples

- Method blank VBLK01 contained approximately 1 µg/l of methylene chloride and 8 µg/l of an unknown tentatively identified compound at a retention time of 9.32 minutes. The trip blank contained 11 µg/l of methylene chloride. Methylene chloride is negated in all samples in which it is present at concentrations less than or equal to ten times the highest associated blank concentration, after taking sample dilutions into account. The unknown is rejected in any sample in which it occurs at a concentration less than or equal to 40 µg/l (five times the blank concentration).

SEMI-VOLATILES

- Method blank WBLK02 contained the two tentatively identified compounds listed in the table below. Concentrations of these compounds in associated samples that are less than five times the blank concentration are negated.

Compound	Concentration (µg/l)	Associated Samples
unknown phthalate @ 30.80	2	MW-8S, WMSB 4/6,
unknown @ 33.02	3	MW-8S MS/MSD, MW-8M, MW-4S

- The following table lists compounds that exceeded 25% percent difference (%D) between the initial calibration average response factor and the continuing calibration response factor. Associated field samples are also listed. Positive sample results for these compounds are considered estimated and flagged "J", while non-detect results are flagged "UJ".

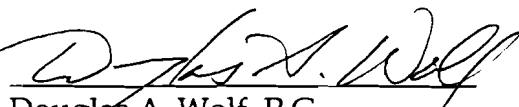


Calibration	Compound	Deficiency	Associated Samples
04/08/98 (1158)	3-nitroaniline	%D = 28.3	all samples except MW-4S
	4-nitroaniline	%D = 26.5	
	4-nitrophenol	%D = 28.9	

- The MS/MSD analysis exhibited high recovery of 4-nitrophenol in the MS (91%; QC limits = 10% - 80%) and pentachlorophenol in both the MS and MSD (121% and 104%; QC limits = 9% - 103%). Neither of these compounds were detected in the unspiked portion of this sample, therefore no qualification of the non-detect results is required.

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: 
Douglas A. Wolf, P.G.
Manager, Data Quality Assurance

Dated:  11 May 1998

SDG NUMBER: *MW-4D VOC*

SAMPLE I.D.	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED	ASSOCIATED METHOD BLANK	ASSOCIATED INITIAL CALIBRATION	ASSOCIATED CONTINUING CALIBRATION
MW-4S	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-4M	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-4D	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-5S	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-5M	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-8S	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-8M	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-12S	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-8M MS	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MW-8M MSD	04-02-98	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
Trip Blank	--	04-02-98	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)
MSB	--	--	04-08-98	VBLK01	03-30-98 (1242 - 1542)	04-08-98 (1350)

SDG NUMBER: MW-4D SVOC

SAMPLE I.D.	DATE SAMPLED	DATE RECEIVED	DATE EXTRACTED	DATE ANALYZED	ASSOCIATED METHOD BLANK	ASSOCIATED INITIAL CALIBRATION	ASSOCIATED CONTINUING CALIBRATION
MW-4S	04-02-98	04-02-98	04-06-98	04-09-98	WBLK02	04-07-98 (1057 - 1501)	04-09-98 (1000)
MW-4M	04-02-98	04-02-98	04-02-98	04-08-98	WBLK01	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-4D	04-02-98	04-02-98	04-02-98	04-08-98	WBLK01	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-5S	04-02-98	04-02-98	04-02-98	04-08-98	WBLK01	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-5M	04-02-98	04-02-98	04-02-98	04-08-98	WBLK01	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-8S	04-02-98	04-02-98	04-06-98	04-08-98	WBLK02	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-8M	04-02-98	04-02-98	04-06-98	04-08-98	WBLK02	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-12S	04-02-98	04-02-98	04-02-98	04-08-98	WBLK01	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-8M MS	04-02-98	04-02-98	04-06-98	04-08-98	WBLK02	04-07-98 (1057 - 1501)	04-08-98 (1158)
MW-8M MSD	04-02-98	04-02-98	04-06-98	04-08-98	WBLK02	04-07-98 (1057 - 1501)	04-08-98 (1158)
SMSB	--	--	04-06-98	04-08-98	WBLK02	04-07-98 (1057 - 1501)	04-08-98 (1158)

TABLE 2. SUMMARY OF VALIDATED VOLATILE ORGANIC COMPOUNDS AND PHYSICAL PARAMETERS
First Half, Fifth Year

	MW-4S	MW-4M	MW-4D	MW-5S	MW-12S	MW-5M	MW-8S	MW-8M	TRIP BLANK
Methylene Chloride	22000UJ	10UJ	10UJ	10UJ	10U	10UJ	13UJ	10UJ	11B
Acetone	62000J	110J	11UJ	9J	10UJ	10UJ	10UJ	10UJ	10UJ
Benzene	12000	120	10U	10U	10U	10U	10U	10U	10U
Trichloroethene	5000U	3J	10U	10U	10U	10U	10U	10U	10U
Toluene	23000	2J	10U	10U	10U	10U	10U	10U	10U
Ethyl Benzene	14000	9J	10U	10U	10U	10U	10U	10U	10U
Total Xylenes	54000	11	10U	10U	10U	10U	10U	10U	10U
cis-1,2-Dichloroethene	4000J	10U	10U	10U	10U	10U	10U	10U	10U
Ethylether	8000J	ND	ND	20JN	30JN	ND	ND	ND	ND
methyl- methylethylbenzene	ND	ND	7J	ND	ND	ND	ND	ND	ND
Unknown Oxy Compound	ND	58J	ND	20J	20J	ND	ND	ND	ND
Ground Water Field Measurements									
Temperature (celcius)	14.4	12.0	12.1	13.0	—	13.7	11.4	13.2	—
Conductivity (umhos/cm)	1955	1100	417	2870	—	470	1123	462	—
pH	7.36	6.98	6.87	6.45	—	6.85	7.42	7.38	—
Ground Water Elevation (feet amsl)	210.78	210.43	202.21	212.71	—	208.70	212.00	210.05	—

Notes: Concentrations are in micrograms per liter (µg/l)

U = Compound not detected. Numeric value is sample specific quantitation limit for that compound.

J = Estimated value due to data validation requirements, concentration is below CRQL or compound is a TIC.

ND = TIC not detected in that sample.

N = Identified TIC.

B = Compound identified in associated method blank

TABLE 3. SUMMARY OF VALIDATED SEMI-VOLATILE ORGANIC COMPOUNDS
First Half, Fifth Year

	MW-4S	MW-4M	MW-4D	MW-5S	MW-12S	MW-5M	MW-8S	MW-8M
Phenol	230	10U	10U	10U	10U	10U	10U	10U
2-Methylphenol	62	10U	10U	10U	10U	10U	10U	10U
Naphthalene	120	10U	10U	10U	10U	10U	10U	10U
2,4-Dimethylphenol	150	10U	10U	10U	10U	10U	10U	10U
4-Methylphenol	140	10U	10U	10U	10U	10U	10U	10U
Acenaphthene	50U	10U	10U	10U	10U	10U	10U	1J
Pyrene	50U	10U	10U	10U	10U	10U	10U	1J
Bis(2-ethylhexyl)phthalate	50U	10U	10U	10U	10U	10U	6J	4J
Total Unk. Aromatics	70J	ND	ND	ND	ND	ND	ND	ND
Total Unk. Oxy. Cmpds	1030J	ND	ND	ND	37J	ND	ND	ND
Total Unknowns	230J	ND	23J	ND	ND	ND	ND	ND
Total Unk. Phthalates	ND	ND	3J	ND	ND	ND	ND	ND
Ethyl methyl benzene	30J	ND	ND	ND	ND	ND	ND	ND
Isomer quinolinol	80J	ND	ND	ND	ND	ND	ND	ND
Benzoic acid isomer	70N	ND	ND	ND	ND	ND	ND	ND

Notes: Concentrations are in micrograms per liter (µg/l)

U = Compound not detected. Numeric value is sample specific quantitation limit for that compound.

J = Estimated value due to data validation requirements, concentration is below CRQL or compound is a TIC.

B = Compound identified in an associated method blank.

ND = TIC not detected in that sample.

N = Identified TIC.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4D

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0622

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	UJ
75-09-2-----	Methylene Chloride	11.	BUJ
67-64-1-----	Acetone	10.	UJ
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	UJ
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	UJ
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4D

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4D

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0622

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. - -	METHYL METHYLETHYL BENZENE	27.17	7.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0623

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	U J
75-09-2-----	Methylene Chloride	13.	BUS
67-64-1-----	Acetone	110.	J
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	U J
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	3.	J
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	120.	
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	U J
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	2.	J
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	9.	J
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	11.	
156-59-2-----	1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0623

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN OXYGENATED	11.96	50.	J
2. - -	UNKNOWN OXYGENATED	17.79	8.	J
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S 1/500

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4S 1/500

Sample wt/vol: .010 (g/mL) ML

Lab File ID: C0624

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	5000.	U
74-83-9-----	Bromomethane	5000.	U
75-01-4-----	Vinyl Chloride	5000.	U
75-00-3-----	Chloroethane	5000.	UJ
75-09-2-----	Methylene Chloride	22000.	BKJ
67-64-1-----	Acetone	62000.	J
75-15-0-----	Carbon Disulfide	5000.	U
75-35-4-----	1,1-Dichloroethene	5000.	U
75-34-3-----	1,1-Dichloroethane	5000.	U
156-60-5-----	1,2-Dichloroethene-trans	5000.	UJ
67-66-3-----	Chloroform	5000.	U
107-06-2-----	1,2-Dichloroethane	5000.	U
78-93-3-----	2-Butanone	5000.	U
71-55-6-----	1,1,1-Trichloroethane	5000.	U
56-23-5-----	Carbon Tetrachloride	5000.	U
75-27-4-----	Bromodichloromethane	5000.	U
78-87-5-----	1,2-Dichloropropane	5000.	U
10061-01-5-----	cis-1,3-Dichloropropene	5000.	U
79-01-6-----	Trichloroethene	5000.	U
124-48-1-----	Dibromochloromethane	5000.	U
79-00-5-----	1,1,2-Trichloroethane	5000.	U
71-43-2-----	Benzene	12000.	
10061-02-6-----	trans-1,3-Dichloropropene	5000.	U
75-25-2-----	Bromoform	5000.	U
108-10-1-----	4-Methyl-2-Pentanone	5000.	UJ
591-78-6-----	2-Hexanone	5000.	U
127-18-4-----	Tetrachloroethene	5000.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5000.	U
108-88-3-----	Toluene	23000.	
108-90-7-----	Chlorobenzene	5000.	U
100-41-4-----	Ethylbenzene	14000.	
100-42-5-----	Styrene	5000.	U
1330-20-7-----	Xylenes (total)	54000.	
156-59-2-----	1,2-Dichloroethene-cis	4000.	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4S 1/500

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4S 1/500

Sample wt/vol: .010 (g/mL) ML

Lab File ID: C0624

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	ETHYL ETHER	8.46	8000.	JN 5/11/98
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5M

Lab Name: AES, Inc.

Contract:

Lab Ccde: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0620

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10.	U
74-93-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	UJ
75-09-2-----	Methylene Chloride	10 6.	BJ 20
67-64-1-----	Acetone	10.	UJ
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	UJ
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	UJ
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0620

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0621

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	UJ
75-09-2-----	Methylene Chloride	10.	BUJ
67-64-1-----	Acetone	9.	J
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	UJ
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	UJ
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

5/11/98

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0621

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	ETHYL ETHER	8.43	20.	JN 5/10/98
2. - -	UNKNOWN OXYGENATED	11.94	10.	J
3. - -	UNKNOWN OXYGENATED	17.81	10.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0618

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	UJ
75-09-2-----	Methylene Chloride	6.	BJ ²⁵
67-64-1-----	Acetone	10.	UJ
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	UJ
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	UJ
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8M

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0618

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0619

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	UJ
75-09-2-----	Methylene Chloride	13.	UJ
67-64-1-----	Acetone	10.	UJ
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	UJ
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	UJ
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0619

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-12S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0617

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----Chloromethane	10.	U
74-83-9-----Bromomethane	10.	U
75-01-4-----Vinyl Chloride	10.	U
75-00-3-----Chloroethane	10.	UJ
75-09-2-----Methylene Chloride	11.	BUJ
67-64-1-----Acetone	10.	UJ
75-15-0-----Carbon Disulfide	10.	U
75-35-4-----1,1-Dichloroethene	10.	U
75-34-3-----1,1-Dichloroethane	10.	U
156-60-5-----1,2-Dichloroethene-trans	10.	UJ
67-66-3-----Chloroform	10.	U
107-06-2-----1,2-Dichloroethane	10.	U
78-93-3-----2-Butanone	10.	U
71-55-6-----1,1,1-Trichloroethane	10.	U
56-23-5-----Carbon Tetrachloride	10.	U
75-27-4-----Bromodichloromethane	10.	U
78-87-5-----1,2-Dichloropropane	10.	U
10061-01-5-----cis-1,3-Dichloropropene	10.	U
79-01-6-----Trichloroethene	10.	U
124-48-1-----Dibromochloromethane	10.	U
79-00-5-----1,1,2-Trichloroethane	10.	U
71-43-2-----Benzene	10.	U
10061-02-6-----trans-1,3-Dichloropropene	10.	U
75-25-2-----Bromoform	10.	U
108-10-1-----4-Methyl-2-Pentanone	10.	UJ
591-78-6-----2-Hexanone	10.	U
127-18-4-----Tetrachloroethene	10.	U
79-34-5-----1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----Toluene	10.	U
108-90-7-----Chlorobenzene	10.	U
100-41-4-----Ethylbenzene	10.	U
100-42-5-----Styrene	10.	U
1330-20-7-----Xylenes (total)	10.	U
155-59-2-----1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW12S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-12S

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0617

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	ETHYL ETHER	8.46	30.	JN 5/14/98
2. - -	UNKNOWN ALCOHOL	11.96	10.	J
3. - -	UNKNOWN OXYGENATED	17.79	10.	J
4.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: TB

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0616

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	Chloromethane	10.	U
74-83-9-----	Bromomethane	10.	U
75-01-4-----	Vinyl Chloride	10.	U
75-00-3-----	Chloroethane	10.	U
75-09-2-----	Methylene Chloride	11.	B
67-64-1-----	Acetone	10.	U
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
156-60-5-----	1,2-Dichloroethene-trans	10.	U
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	10.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	10.	U
591-78-6-----	2-Hexanone	10.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylenes (total)	10.	U
156-59-2-----	1,2-Dichloroethene-cis	10.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: TB

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: C0616

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. _____

Date Analyzed: 04/08/98

GC Column: RTX502.2 ID: .32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
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30. _____				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4D

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0627

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)_____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

108-95-2-----	Phenol	10.	U
111-44-4-----	bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----	2-Chlorophenol	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
95-48-7-----	2-Methylphenol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----	4-Methylphenol	10.	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----	Hexachloroethane	10.	U
98-95-3-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
88-75-5-----	2-Nitrophenol	10.	U
105-67-9-----	2,4-Dimethylphenol	10.	U
111-91-1-----	bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----	2,4-Dichlorophenol	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
59-50-7-----	4-Chloro-3-methylphenol	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
88-06-2-----	2,4,6-Trichlorophenol	10.	U
95-95-4-----	2,4,5-Trichlorophenol	25.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
131-11-3-----	Dimethyl Phthalate	10.	U
208-96-8-----	Acenaphthylene	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
99-09-2-----	3-Nitroaniline	25.	UJ
83-32-9-----	Acenaphthene	10.	U

5/11/98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4D

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0627

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	UJ
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10.	U
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

3/90

0025

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4D

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4D

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0627

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	5.41	3.	J
2. - -	UNKNOWN PHTHALATE	30.80	3.	J
3. - -	UNKNOWN	33.01	20.	BJ
4.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0626

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----Phenol	10.	U
111-44-4-----bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----2-Chlorophenol	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
95-48-7-----2-Methylphenol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----4-Methylphenol	10.	U
621-64-7-----N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----Hexachloroethane	10.	U
98-95-3-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
88-75-5-----2-Nitrophenol	10.	U
105-67-9-----2,4-Dimethylphenol	10.	U
111-91-1-----bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----2,4-Dichlorophenol	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	10.	U
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
59-50-7-----4-Chloro-3-methylphenol	10.	U
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
88-06-2-----2,4,6-Trichlorophenol	10.	U
95-95-4-----2,4,5-Trichlorophenol	25.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
131-11-3-----Dimethyl Phthalate	10.	U
208-96-8-----Acenaphthylene	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
99-09-2-----3-Nitroaniline	25.	U
83-32-9-----Acenaphthene	10.	U

5/11/98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0626

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	UJ
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10.	U
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

5/11/98

(1) - Cannot be separated from diphenylamine

FORM I SV-2

3/90

0028

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0626

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)_____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S 1/5

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4S 1/5

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0639

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)_____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/09/98

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----	Phenol	230.	
111-44-4-----	bis(-2-Chloroethyl)Ether	50.	U
95-57-8-----	2-Chlorophenol	50.	U
541-73-1-----	1,3-Dichlorobenzene	50.	U
106-46-7-----	1,4-Dichlorobenzene	50.	U
95-50-1-----	1,2-Dichlorobenzene	50.	U
95-48-7-----	2-Methylphenol	62.	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	50.	U
106-44-5-----	4-Methylphenol	140.	
621-64-7-----	N-Nitroso-Di-n-propylamine	50.	U
67-72-1-----	Hexachloroethane	50.	U
98-95-3-----	Nitrobenzene	50.	U
78-59-1-----	Isophorone	50.	U
88-75-5-----	2-Nitrophenol	50.	U
105-67-9-----	2,4-Dimethylphenol	150.	
111-91-1-----	bis(-2-Chloroethoxy)Methane	50.	U
120-83-2-----	2,4-Dichlorophenol	50.	U
120-82-1-----	1,2,4-Trichlorobenzene	50.	U
91-20-3-----	Naphthalene	120.	
106-47-8-----	4-Chloroaniline	50.	U
87-68-3-----	Hexachlorobutadiene	50.	U
59-50-7-----	4-Chloro-3-methylphenol	50.	U
91-57-6-----	2-Methylnaphthalene	50.	U
77-47-4-----	Hexachlorocyclopentadiene	50.	U
88-06-2-----	2,4,6-Trichlorophenol	50.	U
95-95-4-----	2,4,5-Trichlorophenol	130.	U
91-58-7-----	2-Chloronaphthalene	50.	U
88-74-4-----	2-Nitroaniline	130.	U
131-11-3-----	Dimethyl Phthalate	50.	U
208-96-8-----	Acenaphthylene	50.	U
606-20-2-----	2,6-Dinitrotoluene	50.	U
99-09-2-----	3-Nitroaniline	130.	U
83-32-9-----	Acenaphthene	50.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S 1/5

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4S 1/5

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0639

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)_____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/09/98

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	130.	U
100-02-7-----	4-Nitrophenol	130.	U
132-64-9-----	Dibenzofuran	50.	U
121-14-2-----	2,4-Dinitrotoluene	50.	U
84-66-2-----	Diethylphthalate	50.	U
7005-72-3-----	4-Chlorophenyl-phenylether	50.	U
86-73-7-----	Fluorene	50.	U
100-01-6-----	4-Nitroaniline	130.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	130.	U
86-30-6-----	N-Nitrosodiphenylamine	50.	U
101-55-3-----	4-Bromophenyl-phenylether	50.	U
118-74-1-----	Hexachlorobenzene	50.	U
87-86-5-----	Pentachlorophenol	130.	U
85-01-8-----	Phenanthrene	50.	U
120-12-7-----	Anthracene	50.	U
86-74-8-----	Carbazole	50.	U
84-74-2-----	Di-n-Butylphthalate	50.	U
206-44-0-----	Fluoranthene	50.	U
129-00-0-----	Pyrene	50.	U
85-68-7-----	Butylbenzylphthalate	50.	U
91-94-1-----	3,3'-Dichlorobenzidine	50.	U
56-55-3-----	Benzo(a)Anthracene	50.	U
218-01-9-----	Chrysene	50.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	50.	U
117-84-0-----	Di-n-octyl phthalate	50.	U
205-99-2-----	Benzo(b)fluoranthene	50.	U
207-08-9-----	Benzo(k)Fluoranthene	50.	U
50-32-8-----	Benzo(a)Pyrene	50.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	50.	U
53-70-3-----	Dibenzo(a,h)Anthracene	50.	U
191-24-2-----	Benzo(g,h,i)Perylene	50.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4S 1/5

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-4S 1/5

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0639

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/09/98

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN OXYGENATED	3.22	400.	J
2.	UNKNOWN OXYGENATED	3.50	100.	J
3.	UNKNOWN OXYGENATED	3.67	100.	J
4.	UNKNOWN OXYGENATED	4.46	70.	J
5.	UNKNOWN OXYGENATED	5.30	90.	J
6.	UNKNOWN	7.03	100.	J
7.	ETHYL METHYL BENZENE	7.46	30.	J
8.	UNKNOWN OXYGENATED	7.62	200.	J
9.	UNKNOWN	8.87	50.	J
10.	UNKNOWN OXYGENATED	11.11	70.	J
11.	118-90-1 Benzoic acid, 2-methyl- (9CI	13.60	30.	J N
12.	99-04-7 Benzoic acid, 3-methyl- (9CI	14.30	40.	J N
13.	UNKNOWN AROMATIC	18.95	70.	J
14.	UNKNOWN	19.83	80.	J
15.	QUINOLINOL	21.36	80.	J
16.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0629

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)_____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----Phenol	10.	U
111-44-4-----bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----2-Chlorophenol	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
95-48-7-----2-Methylphenol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----4-Methylphenol	10.	U
621-64-7-----N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----Hexachloroethane	10.	U
98-95-3-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
88-75-5-----2-Nitrophenol	10.	U
105-67-9-----2,4-Dimethylphenol	10.	U
111-91-1-----bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----2,4-Dichlorophenol	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	10.	U
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
59-50-7-----4-Chloro-3-methylphenol	10.	U
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
88-06-2-----2,4,6-Trichlorophenol	10.	U
95-95-4-----2,4,5-Trichlorophenol	25.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
131-11-3-----Dimethyl Phthalate	10.	U
208-96-8-----Acenaphthylene	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
99-09-2-----3-Nitroaniline	25.	U
83-32-9-----Acenaphthene	10.	U

5/11/98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0629

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	U ₅
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	U ₅
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10.	U
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0629

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	5.20	2.	J
2. - -	UNKNOWN	5.41	3.	J
3. - -	UNKNOWN	33.02	7.	BJB 5/11/98
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0628

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10.	U
111-44-4-----	bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----	2-Chlorophenol	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
95-48-7-----	2-Methylphenol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----	4-Methylphenol	10.	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----	Hexachloroethane	10.	U
98-95-3-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
88-75-5-----	2-Nitrophenol	10.	U
105-67-9-----	2,4-Dimethylphenol	10.	U
111-91-1-----	bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----	2,4-Dichlorophenol	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
59-50-7-----	4-Chloro-3-methylphenol	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
88-06-2-----	2,4,6-Trichlorophenol	10.	U
95-95-4-----	2,4,5-Trichlorophenol	25.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
131-11-3-----	Dimethyl Phthalate	10.	U
208-96-8-----	Acenaphthylene	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
83-32-9-----	Acenaphthene	10.	U

05/11/98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0628

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	U ^J
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	U ^J
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10.	U
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

5/11/98

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-5S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0628

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	33.01	5.	BJO 5/11/98
2.				
3.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0631

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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108-95-2-----	Phenol	10.	U
111-44-4-----	bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----	2-Chlorophenol	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
95-48-7-----	2-Methylphenol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----	4-Methylphenol	10.	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----	Hexachloroethane	10.	U
98-95-3-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
88-75-5-----	2-Nitrophenol	10.	U
105-67-9-----	2,4-Dimethylphenol	10.	U
111-91-1-----	bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----	2,4-Dichlorophenol	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
59-50-7-----	4-Chloro-3-methylphenol	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
88-06-2-----	2,4,6-Trichlorophenol	10.	U
95-95-4-----	2,4,5-Trichlorophenol	25.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
131-11-3-----	Dimethyl Phthalate	10.	U
208-96-8-----	Acenaphthylene	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
83-32-9-----	Acenaphthene	1.	J

5/11/98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0631

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	UJ
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	1.	J
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	4.	J
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

3/90 0040

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8M

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8M

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0631

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	33.01	5.	BJ
2.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0630

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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108-95-2-----	Phenol	10.	U
111-44-4-----	bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----	2-Chlorophenol	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
95-48-7-----	2-Methylphenol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----	4-Methylphenol	10.	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----	Hexachloroethane	10.	U
98-95-3-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
88-75-5-----	2-Nitrophenol	10.	U
105-67-9-----	2,4-Dimethylphenol	10.	U
111-91-1-----	bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----	2,4-Dichlorophenol	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
59-50-7-----	4-Chloro-3-methylphenol	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
88-06-2-----	2,4,6-Trichlorophenol	10.	U
95-95-4-----	2,4,5-Trichlorophenol	25.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
131-11-3-----	Dimethyl Phthalate	10.	U
208-96-8-----	Acenaphthylene	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
83-32-9-----	Acenaphthene	10.	U

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0042

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0630

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	U J
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	U J
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	6.	J
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

3/90 0043

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-8S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0630

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/06/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	33.00	4.	BJ
2.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-12S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0632

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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108-95-2-----Phenol	10.	U
111-44-4-----bis(-2-Chloroethyl)Ether	10.	U
95-57-8-----2-Chlorophenol	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
95-48-7-----2-Methylphenol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5-----4-Methylphenol	10.	U
621-64-7-----N-Nitroso-Di-n-propylamine	10.	U
67-72-1-----Hexachloroethane	10.	U
98-95-3-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
88-75-5-----2-Nitrophenol	10.	U
105-67-9-----2,4-Dimethylphenol	10.	U
111-91-1-----bis(-2-Chloroethoxy)Methane	10.	U
120-83-2-----2,4-Dichlorophenol	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	10.	U
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
59-50-7-----4-Chloro-3-methylphenol	10.	U
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
88-06-2-----2,4,6-Trichlorophenol	10.	U
95-95-4-----2,4,5-Trichlorophenol	25.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
131-11-3-----Dimethyl Phthalate	10.	U
208-96-8-----Acenaphthylene	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
99-09-2-----3-Nitroaniline	25.	U
83-32-9-----Acenaphthene	10.	U

05/11/98
0045

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-12S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0632

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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51-28-5-----	2,4-Dinitrophenol	25.	U
100-02-7-----	4-Nitrophenol	25.	U
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
84-66-2-----	Diethylphthalate	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
86-73-7-----	Fluorene	10.	U
100-01-6-----	4-Nitroaniline	25.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25.	U
86-30-6-----	N-Nitrosodiphenylamine	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U
118-74-1-----	Hexachlorobenzene	10.	U
87-86-5-----	Pentachlorophenol	25.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
86-74-8-----	Carbazole	10.	U
84-74-2-----	Di-n-Butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	10.	U
56-55-3-----	Benzo(a)Anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	10.	U
117-84-0-----	Di-n-octyl phthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)Fluoranthene	10.	U
50-32-8-----	Benzo(a)Pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10.	U
53-70-3-----	Dibenzo(a,h)Anthracene	10.	U
191-24-2-----	Benzo(g,h,i)Perylene	10.	U

(1) - Cannot be separated from diphenylamine
FORM I SV-2

3/90

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-12S

Lab Name: AES, Inc.

Contract:

Lab Code: AES

Case No.: EC9801

SAS No.:

SDG No.: MW-4D

Matrix: (soil/water) WATER

Lab Sample ID: MW-12S

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: A0632

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: _____ decanted: (Y/N)____

Date Extracted: 04/02/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 04/08/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN OXYGENATED AROMATIC	30.07	7.	J
2. - -	UNKNOWN OXYGENATED AROMATIC	30.21	30.	J
3.				
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