EPA Region 5 Records Ctr.
255887

PROJECT NOTE

Date: March 2, 2004

To: South Dayton Dump & Landfill file

From: Kristine Schnoes, Tetra Tech EM Inc.

Subject: Analytical Data Package for 1996 Site Team Evaluation Prioritization Report

I received the attached analytical data package from Matt Justice of the Ohio Environmental Protection Agency (OEPA) on February 27, 2004. The analytical data package contains raw laboratory data for groundwater and soil samples collected during OEPA's Site Team Evaluation Prioritization investigation on July 9, 1996, and presented in the Site Team Evaluation Prioritization Report dated December 24, 1996.

pg 16 53

RECEIVED
OHIO EPA
OCT 0 6 1996
SOUTHWEST DISTRICT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Region V CLP Data Received for Review on Aug 26 1996

FROM: Stephen L. Ostrodka, Chief (HSRL-5J) for Steve Ostrodka
Superfund Technical Support Section Richard J Byrnes
9/24/96

TO: Data User: OEPA

We have reviewed the data for the following case:

SITE NAME: South Dayton Dump (OH)

CASE NUMBER: 24833 SDG NUMBER: EBNB9

Number and Type of Samples: 18 (Water/Soil)

Sample Numbers: EBNA7-9, EBNB0-9 EBNC0-4

Laboratory: ATAS Hrs. for Review: 25 hrs / 2 [illegible]

Following are our findings:

the data are acceptable and usable with the qualifications described in the attached narrative.
Richard J Byrnes
9/24/96

cc: Regional TPO
Brian Freeman
HSMC-5J

000002

NARRATIVE

LABORATORY: ATAS
CASE: 24833
SDG: EBNB9
SITE: South Dayton Dump (OH)

The water samples (EBNB9, EBNC0-EBNC4) and the soil samples (EBNA7-EBNA9, EBNB1-EBNB8) were collected on 07/09/96. The laboratory received six water samples and twelve soil samples on 07/13-17/96 in good condition for organic analytes following the SOW OLM03.2. Sample EBNC4 was analyzed for the VOA analytes only. The remaining samples were analyzed for the full list of organic analytes. The samples were received in the coolers at 10°C, 13°C and 23°C. No qualification is recommended base on the temperature of the coolers which the samples were received.

Sample EBNB9 was used as the water matrix spike/spike duplicates for the VOA, SVOA and Pest/PCB fractions. Sample EBNA7 was used as the soil matrix spike/spike duplicates for the VOA, SVOA and Pest/PCB fractions.

Sample EBNC4 was identified as the trip blank. Samples EBNA9 and EBNC0 were identified as the field duplicates of EBNB0 and EBNC2, respectively.

The VOA samples were analyzed within the fourteen day holding time for the water and soil samples with the exception of soil samples EBNA8RE, EBNA9, EBNB0, EBNB1RE, EBNB3RE, EBNB4, EBNB6RE, EBNB7, EBNB8RE and EBNB5 which were analyzed outside the fourteen day holding time. The water samples for the SVOA fraction were extracted within the seven day holding time. All soil samples for the SVOA fraction were extracted outside the fourteen day holding time. The water samples for the Pest/PCB fraction were extracted within the seven day holding time. For the Pest/PCB soil samples, samples EBNA7-EBNA9, EBNA7MS, EBNA7MSD, EBNB0, EBNB2-EBNB4 were extracted outside the fourteen day holding time but within the twenty eight day expanded holding time. Samples EBNB1, EBNB5-EBNB8, EBNB6DL were extracted outside the twenty eight day expanded holding time. The extracts were analyzed within forty (40) days following the extraction.

The reviewer's narrative and data qualifiers are noted in the following pages.

Reviewed by: Steffanie N. Tobin__Lockheed/ESAT
Date:__September 12th, 1996__

NARRATIVE

LABORATORY: ATAS
CASE: 24833
SDG: EBNB9
SITE: South Dayton Dump (OH)

Below is a summary of the out-of-control audits and the possible effect on the data for this case.

1.HOLDING TIME

The laboratory received six water samples (EBNB9, EBNC0-EBNC4) and twelve soil samples (EBNA7-EBNA9, EBNB1-EBNB8) on 07/13-17/96 in good condition for organic analytes following the SOW OLM03.2. The VOA samples were analyzed within the holding time of fourteen days for the water and soil samples with the exception of soil samples EBNA8RE, EBNA9, EBNB0, EBNB1RE, EBNB3RE, EBNB4, EBNB6RE, EBNB7, EBNB8RE and EBNB5 which were analyzed outside the fourteen day holding time. The positive results for EBNA8RE, EBNA9, EBNB0, EBNB1RE, EBNB3RE, EBNB4, EBNB6RE, EBNB7, EBNB8RE and EBNB5 are flagged as estimated (J) and non-detected (UJ).

The water samples for the SVOA fraction were extracted within the seven day holding time. Therefore, the results are acceptable. All soil samples for the SVOA fraction were extracted outside the fourteen day holding time. The positive results for the soil samples of the SVOA fraction are flagged as estimated (J) and non-detected (UJ).

The water samples for the Pest/PCB fraction were extracted within the seven day holding time. Therefore, the results are acceptable. For the Pest/PCB soil samples, samples EBNA7-EBNA9, EBNA7MS, EBNA7MSD, EBNB0, EBNB2-EBNB4 were extracted outside the fourteen day holding time but within the twenty eight day expanded holding time. The positive results for EBNA7-EBNA9, EBNA7MS, EBNA7MSD, EBNB0, EBNB2-EBNB4 are flagged as estimated (J) and non-detected (UJ). Samples EBNB1, EBNB5-EBNB8, EBNB6DL were extracted outside the twenty eight day expanded holding time. The positive results for EBNB1, EBNB5-EBNB8, EBNB6DL are flagged as estimated (J) and non-detected as unusable (R).

2.GC/MS TUNING PERFORMANCE

GC/MS tuning complied with the mass list and ion abundance criteria for BFB and DFTPP. All samples were analyzed within the twelve (12) hour periods for instrument performance checks.

The GC Resolution Check Mix met the 60% resolution criteria. DDT

Reviewed by: Steffanie N. Tobin__Lockheed/ESAT
Date:__September 12th, 1996__

and Endrin degradation checks using Performance Evaluation Mix of DB-17 and DB-1701 columns were acceptable (<20%); therefore, the results are acceptable.

The Florisil Cartridge and GPC Calibration Checks met the QC criteria; therefore, the results are acceptable.

3.CALIBRATION

Initial and continuing calibration standards of VOA, SVOA and Pest/PCB were evaluated for the Target Compounds List (TCLs) and outliers were recorded on the outlier forms included as a part of this narrative.

4.METHOD BLANK

For the VOA fraction, VHBLKDR is the storage blank. VHBLKDR contains methylene chloride at 4.0 µg/L and one TIC. No qualification is recommended for the VOA samples base on the storage blank. VBLKCK is the method blank for the water sample and it is clean. VBLKDP, VBLKDQ and VBLKDR are the method blanks for the soil samples. VBLKDP contains methylene chloride at 4.0 µg/Kg and one TIC. VBLKDQ contains methylene chloride at 2.0 µg/Kg and one TIC. VBLKDR is clean. Methylene chloride is common laboratory contaminant. The presence of methylene chloride in the samples associated with SBLKDP and SBLKDQ is flagged as non-detected (U) when the sample results are less than 10X the blank results. The presence of the TIC in the samples associated with SBLKDP and SBLKDQ is flagged as non-detected (U) when the sample results are less than 5X the blank results. Please, refer to Form VIs VOA for the list of associated samples.

For the SVOA fraction, SBLKEJ is the method blank for the water samples. SBLKAA and SBLKEV are the method blanks for the soil samples. SBLKEJ contains phenol at 2.0 µg/L, diethylphthalate at 1.0 µg/L, di-n-butylphthalate at 0.5 µg/L, 9 TICs and 4 alkanes. SBLKEV contains di-n-butylphthalate at 20.0 µg/Kg and di-n-octyl phthalate at 37.0 µg/Kg, 3 TICs and 5 alkanes. SBLKAA contains 2 TICs. Diethylphthalate, di-n-butylphthalate and di-n-octylphthalate are common laboratory contaminants. The presence of Diethyl phthalate in the samples associated with SBLKEJ, di-n-butyl phthalate in the samples associated with SBLKEJ and SBLKEV, di-n-

octylphthalate in the samples associated with SBLKEV is flagged as non-detected (U) when the sample results are less than 10X the blank results. Phenol is not a common laboratory contaminant. The presence of phenol in the samples associated with SBLKEJ is flagged as non-detected (U) when the sample results are less than 5X the blank results. The presence of the TICs in the samples associated with SBLKAA, SBLKEJ and SBLKEV, the alkane in the samples associated with SBLKEJ and SBLKEV is flagged as non-detected (U) when the sample results are less than 5X the blank results. Please, refer to Form VIs SVOA for the list of associated samples.

PBLK1P, PBLK5A and PBLK5B are the method blanks for the Pest/PCB fraction. All Pest/PCB method blanks are clean.

5.SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

For the VOA fraction, the system monitoring compound recoveries for the water samples were within the QC limits; therefore, the results are acceptable. For the soil samples, the recovery of SMC1 (toluene-d_8) for samples EBNA7, EBNA7MS, EBNA7MSD, EBNA8, EBNA8RE, EBNB1, EBNB1RE, EBNB3, EBNB3RE, EBNB6 and EBNB6RE was above the QC limit. The recovery of SMC2 (bromofluorobenzene) for samples EBNA7, EBNA7MS, EBNA7MSD, EBNA8 and EBNB1 was below the QC limit. The SMC2 recovery for EBNB3 and EBNB3RE was zero. The recovery of SMC3 (1,2-dichloroethane-d_4) for EBNB3RE was below the QC limit. The positive results for EBNA8RE, EBNB1RE, EBNB6 and EBNB6RE are flagged as estimated (J) and no qualification for the non-detected is needed. The positive results for EBNA7, EBNA7MS, EBNA7MSD, EBNA8 and EBNB1 are flagged as estimated (J) and non-detected (UJ). The positive results for EBNB3 and EBNB3RE are flagged as estimated (J) and non-detected as unusable (R).

For the SVOA fraction, all surrogate recoveries for the water sample were within the QC limits; therefore, the results are acceptable. The recovery of S3 (terphenyl-d_4) for the soil samples EBNB3 and EBNB3RE was below the 10% expanded limit. The positive results for the base/neutral fraction of EBNB3 and EBNB3RE are flagged as estimated (J) and non-detected as unusable (R). All surrogate recoveries for EBNB6DL were detected at zero. No qualification is recommended since the surrogate recoveries for the undiluted sample (EBNB6) were within the QC limits.

Reviewed by: Steffanie N. Tobin__Lockheed/ESAT
Date:__September 12th, 1996__

non-detected (UJ). The recovery for gamma-BHC, aldrin, dieldrin, endrin and DDT for the soil matrix spike duplicate (EBNA7MSD) were above the QC limits. The RPD for heptachlor was above the QC limit. The positive results for gamma-BHC, aldrin, dieldrin, endrin and DDT in the unspiked sample (EBNA7) are flagged as estimated (J) and no qualification for non-detected is needed. The positive result for heptachlor in the unspiked sample (EBNA7) is flagged as estimated (J) and non-detected (UJ).

7.FIELD BLANK AND FIELD DUPLICATE

Sample EBNC4 was identified as the trip blank. The trip blank contains chloroethane at 4 µg/L, methylene chloride at 7 µg/L and toluene at 6 µg/L. Samples EBNA9 and EBNC0 were identified as the field duplicates of EBNB0 and EBNC2, respectively. Sample EBNA9 contains 1 VOA TCL, 1 VOA TIC, 2 SVOA TCLs, 4 SVOA TICs, 13 alkanes and 3 Pest/PCB TCLs. Sample EBNC0 contains 5 VOA TCLs, 3 SVOA TCLs, 11 SVOA TICs and 1 Pest/PCB TCL. Sample EBNB0 contains 2 VOA TCLs, 4 SVOA TCLs, 5 SVOA TICs, 16 alkanes and 3 Pest/PCB TCLs. Sample EBNC2 contains 6 VOA TCLs, 7 SVOA TICs and 1 Pest/PCB TCL.

8.INTERNAL STANDARDS

For the VOA fraction, the recoveries of IS1 (bromochloromethane) For EBNA8, EBNA8RE, EBNB3 and EBNB6 was below the QC limit. The recovery of IS2 (1,4-difluorobenzene) and IS3 (chlorobenzene-d_5) for EBNA7, EBNA7MS, EBNA7MSD, EBNA8, EBNA8RE, EBNB1, EBNB1RE, EBNB3, EBNB3RE, EBNB6, EBNB6RE, EBNB8 were below the QC limit. The recovery of IS3 for EBNB8RE was also below the QC limit. The positive results for the target compounds which are associated with the above IS for the above samples are flagged as estimated (J) and non-detected (UJ). Please refer to Table 4 for the list of associated compounds for the above IS.

For the SVOA fraction, the recoveries of IS1 (1,4-dichloro benzene-d_4), IS2 (naphthalene-d_8) and IS3 (acenaphthene-d_{10}) for EBNB2RE, EBNB5, EBNB6, EBNB6DL and EBNC0DL were below the QC limits. The recoveries of IS4 (phenanthrene-d_{10}), IS5 (chrysene-d_{12}) and IS6 (perylene-d_{12}) for EBNA7MS, EBNB2RE, EBNB5 and EBNB6 were below the QC limit. The recovery of IS1 for EBNC2 and EBNC2RE were below the QC limit. The recovery of IS4 for EBNB6DL and EBNC0DL was below the QC limit. The recovery of IS6 for EBNB7 was below the QC

For the Pest/PCB fraction, the recovery of DCB1 for the water samples EBNB9MS, EBNB9MSD, EBNC0 and EBNC2 was below the QC limit. The recovery of DCB2 for the water samples EBNC0 and EBNC2 was below the QC limit. The positive results for EBNB9MS, EBNB9MSD, EBNC0 and EBNC2 are flagged as estimated (J) and non-detected (UJ). The recoveries of DCB1 and DCB2 for the soil sample EBNB6DL were above the QC limit but were not flagged by the laboratory because the sample was analyzed at dilution and the surrogate recoveries for the undiluted sample (EBNB6) were within the QC limits.

6.MATRIX SPIKE/SPIKE DUPLICATES

Sample EBNB9 was used as the water matrix spike/spike duplicates for the VOA, SVOA and Pest/PCB fractions. Sample EBNA7 was used as the soil matrix spike/spike duplicates for the VOA, SVOA and Pest/PCB fractions.

For the VOA fraction, the spike recoveries and RPDs for the water matrix spike/spike duplicates were within the QC limits; therefore, the results are acceptable. The recoveries of TCE, benzene and toluene for the soil matrix spike (EBNA7MS) were above the QC limits. The recovery of toluene for the soil matrix spike duplicate (EBNA7MSD) was above the QC limit. The positive results for TCE, benzene and toluene in the unspiked sample (EBNA7) are flagged as estimated (J) and no qualification for the non-detected is needed.

For the SVOA fraction, the recoveries of pentachlorophenol and pyrene for the water matrix spike duplicate (EBNB9MSD) were above the QC limits. The RPD for pyrene was also above the QC limit. The positive result for pentachlorophenol in the unspiked sample (EBNB9) is flagged as estimated (J) and no qualification for the non-detected is needed. The positive result for pyrene in the unspiked sample (EBNB9) is flagged as estimated (J) and non-detected (UJ). The recovery of 2,4-dinitrotoluene for the soil matrix spike duplicate (EBNA7MSD) was above the QC limit but less than 100%; therefore, no qualification is needed.

For the Pest/PCB fraction, the recovery for gamma-BHC and endrin for the water matrix spike (EBNB9MS) were above the QC limits. The RPDs for all spiked compounds were above the QC limit. The positive results for gamma-BHC, heptachlor, aldrin, dieldrin, endrin and DDT in the unspiked sample (EBNB9) are flagged as estimated (J) and

limit. The recoveries of IS5 and IS6 for EBNB2, EBNB5RE, EBNB7RE and EBNB9MSD were below the QC limit. The positive results for the target compounds which are associated with the above IS for the above samples are flagged as estimated (J) and non-detected (UJ). Please refer to Table 4 for the list of associated compounds for the above IS.

9.COMPOUND IDENTIFICATION

The target compounds and TICs for the VOA, SVOA and Pest/PCB fractions were properly identified.

10.COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The VOA, SVOA and Pest/PCB Target Compounds (TCLs) and Tentative Identified Compounds (TICs) were properly quantitated; therefore, the data are acceptable. The CRQLs were adjusted to reflect all sample dilutions.

For the Pest/PCB samples that have congested chromatogram, the positive results for the pesticide target compounds are flagged as non-detected (U) when the concentration from the two columns differ by more than a factor of three or the area of the compound on the primary column is less than 2000.

11.SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

The baseline for the Pest/PCB analysis indicated acceptable performance.

12.ADDITIONAL INFORMATION

For any analyte that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample' analyte concentration. Please, refer to Form Is for compounds which were quantitated outside the calibration range for the above SVOA and Pest/PCB samples.

For the VOA fraction, the results EBNA8RE, EBNB1RE, and EBNB6RE should be used since less outstanding QC was observed in these

reanalyses. The results for EBNB3 and EBNB8 should be used since the reanalyses did not improve the QC of the analyses.

For the SVOA fraction, the results for EBNB5RE should be used since less outstanding QC was observed in the reanalysis. The results for EBNB2, EBNB3 and EBNB7 should be used since the reanalyses did not improve the QC of the analyses. The result of butylbenzyphthalate of EBNB6DL should be used since it was quantitated outside the calibration range in the original sample analysis. The results for the remaining SVOA analytes of EBNB6 should be used since less outstanding QC was observed in the original sample analysis.

Reviewed by: Steffanie N. Tobin__Lockheed/ESAT
Date:__September 12th, 1996__

CALIBRATION OUTLIER
Volatile TCL
(Page 1 of 1)

CASE/SAS #: 24833
COLUMN: DB - 624
HEATED PURGE (Y/N) N

LABORATORY: ATAS
SITE NAME: South Dump

Instrument ID: C		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 715196		715196			717196								
Time: 10:24		10:24			4:46								
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane	0.010	2.94			0.44	-50.0	J						
Bromomethane	0.100												
Vinyl Chloride	0.100												
Chloroethane	0.010												
Methylene Chloride	0.010												
Acetone	0.010												
Carbon Disulfide	0.010												
1,1-Dichloroethene	0.100												
1,1-Dichloroethane	0.200												
1,2-Dichloroethene (total)	0.010												
Chloroform	0.200												
1,2-Dichloroethane	0.100												
2-Butanone	0.010												
1,1,1-Trichloroethane	0.100												
Carbon Tetrachloride	0.100												
Bromodichloromethane	0.200												
1,2-Dichloropropane	0.010												
cis-1,3-Dichloropropene	0.200												
Trichloroethene	0.300												
Dibromochloromethane	0.100												
1,1,2-Trichloroethane	0.100												
Benzene	0.500												
trans-1,3-Dichloropropene	0.100												
Bromoform	0.100												
4-Methyl-2-Pentanone	0.010												
2-Hexanone	0.010												
Tetrachloroethene	0.200												
1,1,2,2-Tetrachloroethane	0.300	0.55	82.0	J									
Toluene	0.400												
Chlorobenzene	0.500												
Ethylbenzene	0.100												
Styrene	0.300												
Xylene (total)	0.300												
Toluene-d_8	0.010												
Bromofluorobenzene	0.200												
1,2-Dichloroethane-d_4	0.010												

VBIKCK

Affected Samples:

	FBNB29 MS MSD		
	FBNCC-4		

000011

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated, "J" and non-detected results are unusable "R".

CALIBRATION OUTLIER
Volatile TCL
(Page 1 of 1)

CASE/SAS #: 26853
COLUMN: DB-624
HEATED PURGE (Y/N) Y

LABORATORY: ATAS
SITE NAME: South Dayton Dump

Instrument ID: D		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/5/96		7/5/96			7/22/96			7/22/96			7/26/96		
Time: 10:12		10:12			10:36			11:42			10:35		
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane	0.010												
Bromomethane	0.100												
Vinyl Chloride	0.100												
Chloroethane	0.010												
Methylene Chloride	0.010												
Acetone	0.010	1.54			0.66	-57.9	J						
Carbon Disulfide	0.010												
1,1-Dichloroethene	0.100												
1,1-Dichloroethane	0.200	3.22									2.66	-37.0	J
1,2-Dichloroethene (total)	0.010												
Chloroform	0.200												
1,2-Dichloroethane	0.100												
2-Butanone	0.010												
1,1,1-Trichloroethane	0.100												
Carbon Tetrachloride	0.100												
Bromodichloromethane	0.200												
1,2-Dichloropropane	0.010												
cis-1,3-Dichloropropene	0.200												
Trichloroethene	0.300												
Dibromochloromethane	0.100												
1,1,2-Trichloroethane	0.100												
Benzene	0.500												
trans-1,3-Dichloropropene	0.100												
Bromoform	0.100												
4-Methyl-2-Pentanone	0.010	0.68			0.50	-26.4	J				0.47	-30.7	J
2-Hexanone	0.010												
Tetrachloroethene	0.200												
1,1,2,2-Tetrachloroethane	0.300												
Toluene	0.400												
Chlorobenzene	0.500												
Ethylbenzene	0.100												
Styrene	0.300												
Xylene (total)	0.300												
Toluene-d_8	0.010												
Bromofluorobenzene	0.200												
1,2-Dichloroethane-d_4	0.010												

Affected Samples:

	VBIICDP	VBIICDQ	VBIICDR
	EBNA7 MS MSD	EBNA8RE	EBNB5
	EBNA8	EBNA9	V+BIICDR
	EBNB1-3,6,8	EBNB0,4,7	
		EBNB1RE	
		EBNB3RE	
		EBNB6RE	
		EBNB8RE	

000012

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated, "J" and non-detected results are unusable "I

CALIBRATION OUTLIER
Semivolatile TCL
(Page 1 of 2)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATAS
SITE NAME: South Dawson Dump

Instrument ID: A		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/24/96		7/24/96			7/26/96			7/29/96			7/30/96		
Time: 23:01		23:01			16:33			18:01			12:29		
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol	0.800												
bis(2-Chloroethyl)ether	0.700												
2-Chlorophenol	0.800												
1,3-Dichlorobenzene	0.600												
1,4-Dichlorobenzene	0.500												
1,2-Dichlorobenzene	0.400												
2-Methylphenol	0.700												
2,2-oxybis(1-Chloropropane)	0.010												
4-Methylphenol	0.600												
N-Nitroso-di-n-propylamine	0.500												
Hexachloroethane	0.300												
Nitrobenzene	0.200												
Isophorone	0.400												
2-Nitrophenol	0.100												
2,4-Dimethylphenol	0.200												
bis(2-Chloroethoxy)methane	0.300												
2,4-Dichlorophenol	0.200												
1,2,4-Trichlorobenzene	0.200												
Naphthalene	0.700												
4-Chloroaniline	0.010												
Hexachlorobutadiene	0.010												
4-Chloro-3-methylphenol	0.200												
2-Methylnaphthalene	0.400												
Hexachlorocyclopentadiene	0.010												
2,4,6-Trichlorophenol	0.200												
2,4,5-Trichlorophenol	0.200												
2-Chloronaphthalene	0.800												
2-Nitroaniline	0.010												
Dimethylphthalate	0.010												
Acenaphthylene	0.900												
2,6-Dinitrotoluene	0.200												
3-Nitroaniline	0.010												
Acenaphthene	0.900												
2,4-Dinitrophenol	0.010	0.14	36.0	J							0.23	72.1	J

0.23 68.6

Affected Samples:

SPIKAA

	EBNA7	EBNA9	EBNA8	EBNB
	EBNA7MS	EBNB0-4	EBNB2RE	EBNB
	EBNA7MSD	EBNB7,8	EBNB5	EBNB
				EBNB

000013

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

Reviewer's Init/Date: [illegible] 9/10/96

CALIBRATION OUTLIER
Semivolatile TCL
(Page 2 of 2)

CASE/SAS #: 21523
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible]

Instrument ID: A		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/26/96		7/26/96			7/26/96			7/26/96			7/26/96		
Time: 2301		2301			[illegible]			1801			[illegible]		
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
4-Nitrophenol	0.010	0.15									0.21	[illegible]	J
Dibenzofuran	0.800												
2,4-Dinitrotoluene	0.200												
Diethylphthalate	0.010												
4-Chlorophenyl-phenylether	0.400												
Fluorene	0.900												
4-Nitroaniline	0.010	0.[illegible]									0.02	[illegible]	J
4,6-Dinitro-2-methylphenol	0.010	0.13			0.1[illegible]	[illegible]	J				0.15	52[illegible]	J
N-nitrosodiphenylamine	0.010												
4-Bromophenyl-phenylether	0.100												
Hexachlorobenzene	0.100												
Pentachlorophenol	0.050	0.16									0.19	[illegible]	J
Phenanthrene	0.700												
Anthracene	0.700												
Carbazole	0.010												
Di-n-butylphthalate	0.010	[illegible]05			[illegible]3	[illegible]	J	1.[illegible]3	[illegible]	J			
Fluoranthene	0.600												
Pyrene	0.600												
Butylbenzylphthalate	0.010	[illegible]						1.16	[illegible]	J			
3-3'-Dichlorobenzidine	0.010												
Benzo(a)anthracene	0.800												
Chrysene	0.700												
bis(2-Ethylhexyl)phthalate	0.010	1.16						1.57	[illegible]	J			
Di-n-octylphthalate	0.010	1.98			2.6[illegible]	[illegible]	J	2.78	41.5	J			
Benzo(b)fluoranthene	0.700												
Benzo(k)fluoranthene	0.700												
Benzo(a)pyrene	0.700												
Indeno(1,2,3-cd)pyrene	0.500												
Dibenz(a,h)anthracene	0.400												
Benzo(g,h,i)perylene	0.500												
Nitrobenzene-d_5	0.200												
2-Flurobiphenyl	0.700												
Terphenyl-d_{14}	0.500												
Phenol-d_5	0.800												
2-Fluorophenol	0.600												
2,4,6-Tribromophenol	0.010												
2-Chlorophenol-d_4	0.800												
1,2-Dichlorobenzene-d_4	0.400												

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
All positive results are estimated "J" and non-detected results are unusable "R".

CALIBRATION OUTLIER
Semivolatile TCL
(Page 1 of 2)

CASE/SAS #: 24838
COLUMN:

LABORATORY: ATAC
SITE NAME: [illegible] Dump

Instrument ID: E		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/22/96		7/22/96			7/23/96			7/25/96			-		
Time: 11:37		11:37			11:47			12:01					
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol	0.800												
bis(2-Chloroethyl)ether	0.700												
2-Chlorophenol	0.800												
1,3-Dichlorobenzene	0.600												
1,4-Dichlorobenzene	0.500												
1,2-Dichlorobenzene	0.400												
2-Methylphenol	0.700												
2,2-oxybis(1-Chloropropane)	0.010	1.13			3.20	50.6	J	3.70	73.8	J			
4-Methylphenol	0.600												
N-Nitroso-di-n-propylamine	0.500												
Hexachloroethane	0.300												
Nitrobenzene	0.200												
Isophorone	0.400												
2-Nitrophenol	0.100												
2,4-Dimethylphenol	0.200												
bis(2-Chloroethoxy)methane	0.300												
2,4-Dichlorophenol	0.200												
1,2,4-Trichlorobenzene	0.200												
Naphthalene	0.700												
4-Chloroaniline	0.010												
Hexachlorobutadiene	0.010												
4-Chloro-3-methylphenol	0.200												
2-Methylnaphthalene	0.400												
Hexachlorocyclopentadiene	0.010												
2,4,6-Trichlorophenol	0.200												
2,4,5-Trichlorophenol	0.200												
2-Chloronaphthalene	0.800												
2-Nitroaniline	0.010												
Dimethylphthalate	0.010												
Acenaphthylene	0.900												
2,6-Dinitrotoluene	0.200												
3-Nitroaniline	0.010												
Acenaphthene	0.900												
2,4-Dinitrophenol	0.010												

Affected Samples:

SBILEJ

	EBNB9	EBNB9MSD	
	EBNB9MS		

000015

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

Reviewer's Init/Date: [illegible] 9/10/96

CALIBRATION OUTLIER
Semivolatile TCL
(Page 2 of 2)

CASE/SAS #: 26853
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible]

Instrument ID: F		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/22/96		7/22/96			7/23/96			7/25/96					
Time: 11:37		11:37			10:07			12:01					
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
4-Nitrophenol	0.010	[illegible]			[illegible]	[illegible]	J						
Dibenzofuran	0.800												
2,4-Dinitrotoluene	0.200												
Diethylphthalate	0.010												
4-Chlorophenyl-phenylether	0.400												
Fluorene	0.900												
4-Nitroaniline	0.010												
4,6-Dinitro-2-methylphenol	0.010												
N-nitrosodiphenylamine	0.010												
4-Bromophenyl-phenylether	0.100												
Hexachlorobenzene	0.100												
Pentachlorophenol	0.050												
Phenanthrene	0.700												
Anthracene	0.700												
Carbazole	0.010												
Di-n-butylphthalate	0.010												
Fluoranthene	0.600												
Pyrene	0.600												
Butylbenzylphthalate	0.010												
3-3'-Dichlorobenzidine	0.010												
Benzo(a)anthracene	0.800												
Chrysene	0.700												
bis(2-Ethylhexyl)phthalate	0.010												
Di-n-octylphthalate	0.010												
Benzo(b)fluoranthene	0.700												
Benzo(k)fluoranthene	0.700												
Benzo(a)pyrene	0.700												
Indeno(1,2,3-cd)pyrene	0.500												
Dibenz(a,h)anthracene	0.400												
Benzo(g,h,i)perylene	0.500												
Nitrobenzene-d_5	0.200												
2-Flurobiphenyl	0.700												
Terphenyl-d_{14}	0.500												
Phenol-d_5	0.800												
2-Fluorophenol	0.600												
2,4,6-Tribromophenol	0.010												
2-Chlorophenol-d_4	0.800												
1,2-Dichlorobenzene-d_4	0.400												

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

CALIBRATION OUTLIER
Semivolatile TCL
(Page 1 of 2)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible]

Instrument ID: E		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/30/96		7/30/96			8/5/96			8/6/96			-		
Time: 17:10		17:10			16:03			15:05					
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol	0.800												
bis(2-Chloroethyl)ether	0.700												
2-Chlorophenol	0.800												
1,3-Dichlorobenzene	0.600												
1,4-Dichlorobenzene	0.500												
1,2-Dichlorobenzene	0.400												
2-Methylphenol	0.700												
2,2-oxybis(1-Chloropropane)	0.010	1.57			3.62	130.3	J	3.58	127.7	J			
4-Methylphenol	0.600												
N-Nitroso-di-n-propylamine	0.500												
Hexachloroethane	0.300												
Nitrobenzene	0.200												
Isophorone	0.400												
2-Nitrophenol	0.100												
2,4-Dimethylphenol	0.200												
bis(2-Chloroethoxy)methane	0.300												
2,4-Dichlorophenol	0.200												
1,2,4-Trichlorobenzene	0.200												
Naphthalene	0.700												
4-Chloroaniline	0.010												
Hexachlorobutadiene	0.010												
4-Chloro-3-methylphenol	0.200												
2-Methylnaphthalene	0.400												
Hexachlorocyclopentadiene	0.010												
2,4,6-Trichlorophenol	0.200												
2,4,5-Trichlorophenol	0.200												
2-Chloronaphthalene	0.800												
2-Nitroaniline	0.010												
Dimethylphthalate	0.010												
Acenaphthylene	0.900												
2,6-Dinitrotoluene	0.200												
3-Nitroaniline	0.010												
Acenaphthene	0.900												
2,4-Dinitrophenol	0.010												

Affected Samples:

	EBNCD-3	EBNCDDL	
	EBNC2RE		

000017

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

Reviewer's Init/Date: ST 9/10/96

CALIBRATION OUTLIER
Semivolatile TCL
(Page 2 of 2)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible]

Instrument ID: E		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 7/30/96		7/30/96			8/5/96			8/6/96					
Time: 17:10		17:10			14:03			15:05					
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
4-Nitrophenol	0.010	0.22			0.096	-58.0	J	0.16	-29.9	J			
Dibenzofuran	0.800												
2,4-Dinitrotoluene	0.200												
Diethylphthalate	0.010												
4-Chlorophenyl-phenylether	0.400												
Fluorene	0.900												
4-Nitroaniline	0.010	0.36			0.23	-37.0	J						
4,6-Dinitro-2-methylphenol	0.010												
N-nitrosodiphenylamine	0.010												
4-Bromophenyl-phenylether	0.100												
Hexachlorobenzene	0.100												
Pentachlorophenol	0.050												
Phenanthrene	0.700												
Anthracene	0.700												
Carbazole	0.010												
Di-n-butylphthalate	0.010												
Fluoranthene	0.600												
Pyrene	0.600												
Butylbenzylphthalate	0.010												
3-3'-Dichlorobenzidine	0.010												
Benzo(a)anthracene	0.800												
Chrysene	0.700												
bis(2-Ethylhexyl)phthalate	0.010												
Di-n-octylphthalate	0.010												
Benzo(b)fluoranthene	0.700												
Benzo(k)fluoranthene	0.700												
Benzo(a)pyrene	0.700												
Indeno(1,2,3-cd)pyrene	0.500												
Dibenz(a,h)anthracene	0.400												
Benzo(g,h,i)perylene	0.500												
Nitrobenzene-d_5	0.200												
2-Flurobiphenyl	0.700												
Terphenyl-d_{14}	0.500												
Phenol-d_5	0.800												
2-Fluorophenol	0.600												
2,4,6-Tribromophenol	0.010												
2-Chlorophenol-d_4	0.800												
1,2-Dichlorobenzene-d_4	0.400												

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
[illegible] positive results are estimated "J" and non-detected results are unusable "R".

CALIBRATION OUTLIER
Semivolatile TCL
(Page 1 of 2)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible] Dump

Instrument ID: E		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 8/13/96		8/13/96			8/14/96								
Time: 10:24		10:24			11:15								
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol	0.800												
bis(2-Chloroethyl)ether	0.700												
2-Chlorophenol	0.800												
1,3-Dichlorobenzene	0.600												
1,4-Dichlorobenzene	0.500												
1,2-Dichlorobenzene	0.400												
2-Methylphenol	0.700												
2,2-oxybis(1-Chloropropane)	0.010												
4-Methylphenol	0.600												
N-Nitroso-di-n-propylamine	0.500												
Hexachloroethane	0.300												
Nitrobenzene	0.200												
Isophorone	0.400												
2-Nitrophenol	0.100												
2,4-Dimethylphenol	0.200												
bis(2-Chloroethoxy)methane	0.300												
2,4-Dichlorophenol	0.200												
1,2,4-Trichlorobenzene	0.200												
Naphthalene	0.700												
4-Chloroaniline	0.010												
Hexachlorobutadiene	0.010												
4-Chloro-3-methylphenol	0.200												
2-Methylnaphthalene	0.400												
Hexachlorocyclopentadiene	0.010												
2,4,6-Trichlorophenol	0.200												
2,4,5-Trichlorophenol	0.200												
2-Chloronaphthalene	0.800												
2-Nitroaniline	0.010												
Dimethylphthalate	0.010												
Acenaphthylene	0.900												
2,6-Dinitrotoluene	0.200												
3-Nitroaniline	0.010												
Acenaphthene	0.900												
2,4-Dinitrophenol	0.010												

Affected Samples:

	SB11LEV		
	EBNB3RE		

000019

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

Reviewer's Init/Date: 9/10/96

CALIBRATION OUTLIER
Semivolatile TCL
(Page 2 of 2)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible] Dump

Instrument ID: E		Initial Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date: 8/12/96		8/12/96			8/14/96								
Time: 10:24		10:24			11:15								
	#	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
4-Nitrophenol	0.010												
Dibenzofuran	0.800												
2,4-Dinitrotoluene	0.200												
Diethylphthalate	0.010												
4-Chlorophenyl-phenylether	0.400												
Fluorene	0.900												
4-Nitroaniline	0.010												
4,6-Dinitro-2-methylphenol	0.010												
N-nitrosodiphenylamine	0.010												
4-Bromophenyl-phenylether	0.100												
Hexachlorobenzene	0.100												
Pentachlorophenol	0.050												
Phenanthrene	0.700												
Anthracene	0.700												
Carbazole	0.010												
Di-n-butylphthalate	0.010												
Fluoranthene	0.600												
Pyrene	0.600												
Butylbenzylphthalate	0.010												
3-3'-Dichlorobenzidine	0.010												
Benzo(a)anthracene	0.800												
Chrysene	0.700												
bis(2-Ethylhexyl)phthalate	0.010												
Di-n-octylphthalate	0.010												
Benzo(b)fluoranthene	0.700												
Benzo(k)fluoranthene	0.700												
Benzo(a)pyrene	0.700												
Indeno(1,2,3-cd)pyrene	0.500												
Dibenz(a,h)anthracene	0.400												
Benzo(g,h,i)perylene	0.500												
Nitrobenzene-d_5	0.200												
2-Flurobiphenyl	0.700												
Terphenyl-d_{14}	0.500												
Phenol-d_5	0.800												
2-Fluorophenol	0.600												
2,4,6-Tribromophenol	0.010												
2-Chlorophenol-d_4	0.800												
1,2-Dichlorobenzene-d_4	0.400												

Minimum Relative Response Factor.
* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

CALIBRATION OUTLIER
PESTICIDE/PCB TCL COMPOUNDS
(Page 1 of 1)

CASE\SAS#: 24858
COLUMN:

LABORATORY: ATAS
SITE NAME: [illegible]

Instrument# HP-01A		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 7/26/96		7/26/96	15:31		7/[illegible]/96	19:47										
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
alpha-BHC	0.01															
beta-BHC	0.40															
delta-BHC	0.90															
gamma-BHC	0.01															
Heptachlor	0.01															
Aldrin	0.01															
Heptachlor epoxide	0.10															
Endosulfan I	0.10															
Dieldrin	0.05															
4, 4'-DDE	0.70															
Endrin	0.70															
Endosulfan II	0.01															
4, 4'-DDD	0.60															
Endosulfan sulfate	0.60															
4, 4'-DDT	0.01															
Methoxychlor	0.01															
Endrin ketone	0.80															
Endrin aldehyde	0.70															
alpha chlordane	0.01															
gamma chlordane	0.01															
Arochlor 1016																
Arochlor 1221																
Arochlor 1232																
Arochlor 1242																
Arochlor 1248																
Arochlor 1254																
Arochlor 1260																

Affected samples:

	PBIKIP			
	EBNB9			
	9MS			
	9MSD			
	EBNC0-3			

Reviewer's Init/Date: [illegible] 9/11/96

* These flags should be applied to the analytes on the sample data sheets.
\# Minimum Relative Response Factor

CALIBRATION OUTLIER
Pesticide/PCB TCL
(Page 1 of 1)

CASE/SAS #: 24833
COLUMN:

LABORATORY: ATHS
SITE NAME: South Dayton Dump

Instrument Number HP-01B Date 7/26/96	Initial Cal. 7/26/96		Cont. Cal. 7/27/96		Cont. Cal.		Cont. Cal.		Cont. Cal.	
Time	15:39		14:47							
	%RSD	*	%D	*	%D	*	%D	*	%D	*
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC										
Heptachlor										
Aldrin										
Heptachlor Epoxide										
Endosulfan I										
Dieldrin										
4,4'-DDE										
Endrin										
Endosulfan II										
4,4'-DDD										
Endosulfan Sulfate										
4,4'-DDT										
Methoxychlor										
Endrin Ketone										
Endrin Aldehyde										
alpha-Chlordane										
gamma-Chlordane										
Aroclor 1016										
Aroclor 1221										
Aroclor 1232										
Aroclor 1242										
Aroclor 1248										
Aroclor 1254										
Aroclor 1260										

Affected Samples:

	29IKLP			
	EBN29			
	9MIR			
	9MSD			
	EBNZC-3			

* These flags should be applied to the analytes on the sample data sheets.
J/R = All positive results are estimated "J" and non-detected results are unusable "R".

Reviewer's Init/Date: S 9/11/96

CALIBRATION OUTLIER
PESTICIDE/PCB TCL COMPOUNDS
(Page 1 of 1)

CASE\SAS#: 26533
COLUMN:

LABORATORY: ATAS
SITE NAME: South Dayton Dump

Instrument# HP-C5A		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 8/14/96 10:09		8/14/96 10:09			8/15/96 2:58			8/15/96 16:16								
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
alpha-BHC	0.01															
beta-BHC	0.40															
delta-BHC	0.90															
gamma-BHC	0.01															
Heptachlor	0.01															
Aldrin	0.01															
Heptachlor epoxide	0.10															
Endosulfan I	0.10															
Dieldrin	0.05															
4, 4'-DDE	0.70															
Endrin	0.70															
Endosulfan II	0.01															
4, 4'-DDD	0.60															
Endosulfan sulfate	0.60															
4, 4'-DDT	0.01															
Methoxychlor	0.01															
Endrin ketone	0.80															
Endrin aldehyde	0.70															
alpha chlordane	0.01															
gamma chlordane	0.01															
Arochlor 1016																
Arochlor 1221																
Arochlor 1232																
Arochlor 1242																
Arochlor 1248																
Arochlor 1254																
Arochlor 1260																

Affected samples:

PB1K5A	EBNB5			
PB1K5B	EBNB6			
EBNA7	EBNB6DL			
7MS	EBNB7			
7MSD	EBNB8			
EBNA8-9				
EBNB6-4				

Reviewer's Init/Date: ST 9/11/96

* These flags should be applied to the analytes on the sample data sheets.
\# Minimum Relative Response Factor

000023

CALIBRATION OUTLIER
PESTICIDE/PCB TCL COMPOUNDS
(Page 1 of 1)

CASE\SAS#: 24533
COLUMN:

LABORATORY: ATAS
SITE NAME: South Dayton Dump

Instrument# HP-05A		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 8/16/96 10:08		8/16/96 10:08			8/15/96 2:58			8/15/96 16:16								
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
alpha-BHC	0.01															
beta-BHC	0.40															
delta-BHC	0.90															
gamma-BHC	0.01															
Heptachlor	0.01															
Aldrin	0.01															
Heptachlor epoxide	0.10															
Endosulfan I	0.10															
Dieldrin	0.05															
4, 4'-DDE	0.70															
Endrin	0.70															
Endosulfan II	0.01															
4, 4'-DDD	0.60															
Endosulfan sulfate	0.60															
4, 4'-DDT	0.01															
Methoxychlor	0.01															
Endrin ketone	0.80															
Endrin aldehyde	0.70															
alpha chlordane	0.01															
gamma chlordane	0.01															
Arochlor 1016																
Arochlor 1221																
Arochlor 1232																
Arochlor 1242																
Arochlor 1248																
Arochlor 1254																
Arochlor 1260																

Affected samples:

PB1165A	EBNB5			
PB1K5B	EBNB6			
EBNB7	EBNB6DL			
7MS	EBNB7			
7MSD	EBNB8			
EBNA8-9				
EBNB6-4				

Reviewer's Init/Date: ST 9/11/96

* These flags should be applied to the analytes on the sample data sheets.
\# Minimum Relative Response Factor

EPA United States Environmental Protection Agency Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 24833

1. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved

2. Region No.: 5 | Sampling Co.: OEPA

Sampler (Name):

Sampler Signature:

3. Purpose*: Load: SF, PRP, ST, FED | Early Action: CLEM, PA, REM, RI, SI, ESI | Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 7/12/96 | Carrier: FEDERAL EXPRESS

Airbill Number: 3456807535

5. Ship To: ATAS AMERICAN TECHNICAL + ANALYTICAL SERVICE 875 FEE FEE ROAD MARYLAND HEIGHTS, MO 63043-3211 ATTN: RICH MANZ

6. Date Received – Received by: 7-13-96 WALTER DOTSON

Laboratory Contract Number: 68-D5-0018 | Unit Price: $616.95

7. Transfer to: | Date Received:

Received by:

Contract Number: | Price:

CEP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp. Grab	D Preservative (from Box 2) Other	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sample Initials	K High Phases: Solids	Water-Macro Liq.	Water-Inmet. Liq.
96DV03522	2	L	G			✓			5-194330 ABN	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G			✓			5-194328 ABN	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G			✓			5-194329 ABN	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G				✓		5-194335 PCBS/PEST	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G				✓		5-194332 PCBS/PEST	DPIL MW3	7/9/96 9:50	EBNB9	MS/MSD			
96DV03522	2	L	G				✓		5-194333 PCBS/PEST	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G				✓		5-194334 PCBS/PEST	DPIL MW3	7/9/96 9:50	EBNB9				
96DV03522	2	L	G				✓		5-194331 PCBS/PEST	DPIL MW3	7/9/96 9:50	EBNB9				

Shipment for Case Complete? (Y/N): Y | Page ___ of ___ | Sample(s) to be Used for Laboratory QC: | Additional Sampler Signatures: | Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [signature]	7/12/96 5:30 pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		[signature]	7/13/96 1025	13°	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNB9

369853

Organic Traffic Report/Chain of Custody Form Instructions

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

1. Matrix (Enter in Column A)
1. Drinking Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: 5
Sampling Co.: OEPA
Sampler (Name):
Sampler Signature:
3. Purpose: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ERS; Long Term: FS, RD, RA, O&M, NPL

4. Date Shipped: 7/16/96
Carrier: FEDERAL EXPRESS
Airbill Number: 3436807583
5. Ship To: AMERICAN TECHNICAL AND ANALYTICAL SERVICES, 875 FEE FEE ROAD, MARYLAND HEIGHTS, MO 63043-3211, ATTN: RICH MARNZ

6. Date Received — Received by: 7-17-96 WALTER TOBISKY
Contract Number: 68-D5-0018
Unit Price: 95
Shipping: 7-17-96
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp Grab	D Preservative (from Box 2) Other	E RAS Analysis VOA	BNA	Pest/PCB	High only AROC TDX	F Regional Specific Tracking Number or Tag Number	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases
[illegible]	5	L	G	5	✓				5194443-444 VOA	STEEPSIDE	7/2/96 15:30	EBNB5		
[illegible]	5	L	G	5	✓				5194445-446 VOA	N.S. SEWER DRAIN	7/2/96 16:30	EBNB6		
[illegible]	5	L	G	5	✓				5194783-784 VOA	DRUMSLINE	7/2/96 17:20	EBNB7		
[illegible]	5	L	G	5	✓				5194787-788 VOA	HANLINE	7/2/96 17:20	EBNB8		

Shipment for Case Complete? (Y/N):
Page: 3 of 3
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 144036 - 144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	7/16/96 2:30 pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Where	
		[illegible]	7-17-96 0842	5C	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

* ORIGINAL SAMPLE

EBNB9

000036

Organic Traffic Report/Chain of Custody Form Instructions

EPA United States Environmental Protection Agency Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 24833

1. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved

2. Region No.: 5 | Sampling Co.: OEPA | 4. Date Shipped: 7/12/96 | Carrier: FEDERAL EXPRESS | 6. Date Received – Received by: 7-13-96 WALTER DOTSON

Sampler (Name): | Airbill Number: 3456807535 | Laboratory Contract Number: 68-D5-0018 | Unit Price: $616.95

Sampler Signature: | 5. Ship To: AATS AMERICAN TECHNICAL AND ANALYTICAL SERVICE 875 FEE FEE ROAD MARYLAND HEIGHTS, MO 63043 ATTN: RICH MANZ | 7. Transfer to: | Date Received: 00003

3. Purpose: Land: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD | Received by: | Contract Number: | Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc. Low Med High	C Sample Type: Comp. Grab	D Preservative (from Box 2) Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03524	2	L	G	5			✓		5-194429-430 PCBS/PEST	MW103	7/9/96 1355	EBNC1				
96DV03525	2	L	G	5		✓			5-194431-432 ABN	MW102	7/9/96 1430	EBNC3				
96DV03525	2	L	G	5			✓		5-194434 PCBS/PEST	MW102	7/9/96 1430	EBNC3				
96DV03522	2	L	G	1	✓				5-194322-327 VOA	DPIL MW3	7/9/96 950	EBNB9	MS/MSD			
96DV03523	2	L	G	1	✓				5-194340-341 VOA	MW101	7/9/96 1050	EBNC0				
96DV03523	2	L	G	1	✓				5-194417-418 VOA	MW101	7/9/96 1050	EBNC2				
96DV03524	2	L	G	1	✓				5-194428-424 VOA	MW103	7/9/96 1355	EBNC1				
96DV03525	2	L	G	1	✓				5-194437-438 VOA	MW102	7/9/96 1430	EBNC3				
96DV03001	2	L	G	1	✓				5-194439-440 VOA	TRIP BLANK	7/9/96 0820	EBNC4				

Shipment for Case Complete? (Y/N): Y | Page: 3 of 3 | Sample(s) to be Used for Laboratory QC: | Additional Sampler Signatures: | Chain of Custody Seal Number(s): 144039 + 144048

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	7/12/96 5:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]	Date / Time: 7/13/96 1025	Remarks: Is custody seal intact? Y/N/none 10C	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNB9 369855

A21-013-16 REV.

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 24833

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No. 5 | Sampling Co. OEPA
Sampler (Name)
Sampler Signature
3. Purpose* Lead: SF, PRP, ST, FED | Early Action: CLEM, PA, REM, RI, SI, ES | Long Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped 7/2/96 | Carrier FEDERAL EXPRESS
Airbill Number 3415680753 5
5. Ship To AATS AMERICAN TECHNICAL ANALYTICAL SERVICE 875 FLE FELLSMERE MARYLAND 21061 3043 ATTN: RICK MANZ

6. Date Received – Received by: 7-15-96 WALTER DOSH
Laboratory Contract Number 68-D5-0018 | Unit Price $616.95
7. Transfer to: | Date Received
Received by
Contract Number | Price

OLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp Grab	D Preservative (from Box 2) Other	E RAS Analysis VOA	BNA	Pest/PCB	(High) only AROV TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collected	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases Solids	Aqueous Liq.	Organic Liq.
96DW03322	2	L	G	5		✓			5-194342-343 ATSN	MW101	7/9/96 1050	EBNC0				
96DW03323	2	L	G	5			✓		5-194344-345 MRS/PEST	MW101	7/9/96 1050	EBNC0 –				
96DW03323	2	L	G	5		✓			5-194419-420 ATSN	MW101	7/9/96 1050	EBNC2 –				
96DW03323	2	L	G	5			✓		5-194421-422 MRS/PEST	MW101	7/9/96 1050	EBNC2				
96DW03324	2	L	G	5		✓			5-194427-428 ATSN	MW103	7/9/96 1325	EBNC1				

Shipment for Case Complete? (Y/N) | Page 1 of 1 | Sample(s) to be Used for Laboratory QC | Additional Sampler Signatures | Chain of Custody Seal Number(s) 514027/194030

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
T. Williams	7/12/96 5:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/None	
			7/15/96 0850	23°	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

Organic Traffic Report/Chain of Custody Form Instructions

FRA1A9

369854

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 24833

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: 5
Sampling Co.: OEPA
Sampler (Name):
Sampler Signature:

3. Purpose: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 7/16/96
Carrier: FEDERAL EXPRESS
Airbill Number: 3450807583

5. Ship To: AMERICAN TECHNICAL AND ANALYTICAL SERVICE
875 FEE FEE ROAD
MARYLAND HEIGHTS, MO 63043
ATTN: RICH MANNZ

6. Date Received – Received by: 7-17-96 WALTER DOTSON
Laboratory Contract Number: 2-8106-0018
Unit Price: 32.46.95
7. Transfer to: 7-17-96
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Number (from labels)	A Matrix (from Box 1) Other:	B Conc. Low Med High	C Sample Type: Comp. Grab	D Preservative (from Box 2) Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water Liquids	Water Immiscible Liquids
96DV03501	5	L	G	5		✓	✓		5-194753/ABN/PCB/PEST	DRUM FOOD	7/9/96 10:10	EBNA7	MS/MSD			
96DV03502	5	L	G	5		✓	✓		5-194757 ABN/PCB/PEST	ACCESS ROAD	7/9/96 11:10am	EBNA8				
96DV03503	5	L	G	5		✓	✓		5-194761/ABN/PCB/PEST	DEPRESSION	7/9/96 11:30	EBNA9 –				
96DV03503	5	L	G	5		✓	✓		5-194765/ABN/PCB/PEST	DEPRESSION	7/9/96 11:30	EBNB0 –				
96DV03504	5	L	G	5		✓	✓		5-194769 ABN/PCB/PEST	DEP. EDGE	7/9/96 [illegible]	EBNB1				
96DV03505	5	L	G	5		✓	✓		5-194773 ABN/PCB/PEST	SD004	7/9/96 16:00	EBNB2				
96DV03506	5	L	G	5		✓	✓		5-194778 ABN/PCB/PEST	CONCRETE	7/9/96 18:00	EBNB3				
96DV03507	5	L	G	5		✓	✓		5-194781 ABN/PCB/PEST	BKG	7/9/96 14:15	EBNB4				
96DV03508	5	L	G	5		✓	✓		5-194412 ABN/PCB/PEST	STEEP SLOPE	7/9/96 15:30	EBNB5				
96DV03509	5	L	G	5		✓	✓		5-194447 ABN/PCB/PEST	N. SLOPE PHONS	7/9/96 16:30	EBNB6				

Shipment for Case Complete? (Y/N):
Page: 1 of 3
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 144036-144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [signature]	7/10/96 2:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks – Is custody seal intact? Y/N/none	
		[signature]	7-17-96 0842	5C	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 8110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNA9

000032

000029

EPA United States Environmental Protection Agency Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No.

1. Matrix (Enter in Column A)	2. Preservative (Enter in Column D)
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. NaHSO4
4. Field QC	4. H2SO4
5. Soil/Sediment	5. Ice only
6. Oil (High only)	6. Other (Specify in Column D)
7. Waste (High only)	N. Not preserved
8. Other (Specify in Column A)	

2. Region No.: 5 — Sampling Co.: OEPA

Sampler (Name):

Sampler Signature:

3. Purpose: Lead: SF, PRP, ST, FED — Early Action: CLEM, PA, REM, RI, SI, ESI — Long Term Action: FS, RD, RA, OSM, NPLD

4. Date Shipped: 7/16/96 — Carrier: FEDERAL EXPRESS

Airbill Number: 3456807583

5. Ship To: AMERICAN TECHNICAL AND ANALYTICAL SERVICE, 875 FEE FEE ROAD, MARYLAND HEIGHTS, MO 63043-3211 ATTN: RICH MANZ

6. Date Received – Received by: 7-17-96 WALTER [illegible]

Laboratory Contract Number: [illegible]-0018 — Unit Price: $[illegible].95

7. Transfer to: [illegible] — Date Received:

Received by: [illegible]

Contract Number: [illegible] — Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp. Grab	D Preservative (from Box 2) Other	E RAS Analysis: VOA	SNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases
96DV03S11	5	L	G	5		✓	✓		5-194785 ABN/PCB/PEST	DRUM SLOPE	7/9/96 1720	EBNB7		
* 96DV03S11	5	L	G	5		✓	✓		5-194789 ABN/PCB/PEST	RAVINE	7/9/96 17:00	EBNB8		
96DV03S01	5	L	G	5	✓				5-194751-752 VOA	DRUM AREA	7/9/96 10:10	EBNA7	MS/MSD	
96DV03S02	5	L	G	5	✓				5-194755-756 VOA	ACCESS ROAD	7/9/96 11:10	EBNA8		
96DV03S03	5	L	G	5	✓				5-194759-760 VOA	DEPRESSION	7/9/96 11:30	EBNA9		
96DV03S03	5	L	G	5	✓				5-194763-764 VOA	DEPRESSION	7/9/96 11:30	EBNB0		
96DV03S04	5	L	G	5	✓				5-194767-768 VOA	DEP. EDGE	7/9/96 2:05	EBNB1		
96DV03S05	5	L	G	5	✓				5-194771-772 VOA	SDUOU	7/9/96 16:00	EBNB2		
96DV03S06	5	L	G	5	✓				5-194775-776 VOA	CONCRETE	7/9/96 18:00	EBNB3		
96DV03S07	5	L	G	5	✓				5-194779-780 VOA	BKG	7/9/96 14:45	EBNB4		

Shipment for Case Complete? (Y/N): Y — Page: 2 of 3 — Sample(s) to be Used for Laboratory QC: — Additional Sampler Signatures: — Chain of Custody Seal Number(s): 144036-144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [illegible]	7/16/96 2:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		[illegible]	7-17-96 0842	5C	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
SEE REVERSE FOR PURPOSE CODE DEFINITIONS

FRNA9

000034

000030

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No.

000033

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No. 7
Sampling Co. OEPA
Sampler (Name)
Sampler Signature
3. Purpose* Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped 7/16/96
Carrier FEDERAL EXPRESS
Airbill Number 3456867583
5. Ship To ATTN: NATIONAL TECHNICAL ANALYTICAL SERVICE 575 TECHNOLOGY ROAD MARYVILLE MO 64468-3211 ATTN: JACK MUNZ

6. Date Received -- Received by: 7-17-96 WALTER DOTSON
Laboratory Contract Number 68-D5-0018
Unit Price $616.95
7. Transfer to:
Date Received
Received by
Contract Number
Price

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03511	5	L	G	5					5-194785 ABW/PCB/PEST	DRUM SHED	7/9/96 17:00					
*96DV03511	5	L	G	5					5-194789 ABW/PCB/PEST	RAVINE	7/9/96 17:00					
96DV03501	5	L	G	5					5-194751-752 VOA	DRUM AREA	7/9/96 10:10					
96DV03502	5	L	G	5					5-194755-756 VOA	ACCESS ROAD	7/9/96 11:00					
96DV03503	5	L	G	5					5-194759-760 VOA	DEPRESSION	7/9/96 11:30					
96DV03003	5	L	G	5					5-194763-764 VOA	DEPRESSION	7/9/96 11:30					
96DV03504	5	L	G	5					5-194767-768 VOA	DEPRESS	7/9/96 2:05					
96DV03505	5	L	G	5					5-194771-772 VOA	SD004	7/9/96 16:00					
96DV03506	5	L	G	5					5-194775-776 VOA	CONCRETE	7/9/96 15:00					
96DV03507	5	L	G	5					5-194779-780 VOA	BKG	7/9/96 14:45					

Shipment for Case Complete? (Y/N) Y
Page 2 of 3
Sample(s) to be Used for Laboratory QC
Additional Sampler Signatures
Chain of Custody Seal Number(s) 144036-144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [illegible]	7/16/96 2:30 pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Walter Dotson	Date / Time 7-17-96 0842	Remarks 5C Is custody seal intact? Y/N/none N	

A21-012-16 REV.

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

*SDG-- FINAL SAMPLE

EBNB9

369859

000031

EPA United States Environmental Protection Agency Contract Laboratory Program

& Chain of Custody Record
(For Organic CLP Analysis)

1. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)	2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved	2. Region No.: 5	Sampling Co.: OEPA	4. Date Shipped: 7/16/96	Carrier: FEDERAL EXPRESS
		Sampler (Name):		Airbill Number: 3456807583	
		Sampler Signature:		5. Ship To: AMERICAN TECHNICAL AND ANALYTICAL SERVICE 875 FEE FEE ROAD MARYLAND HEIGHTS, MO 63043 3211 ATTN: RICH MANNZ	
		3. Purpose* Lead: SF, PRP, ST, FED	Early Action: CLEM, PA, REM, RI, SI, ESI	Long Term Action: FS, RD, RA, O&M, NPLD	

6. Date Received -- Received by: 7-17-96 WALTER DOTSON

Laboratory Contract Number: 68-D5-0018 | Unit Price: $616.95

7. Transfer to: | Date Received: 00003

Received by:

Contract Number: | Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc.: Low Med High	C Sample Type: Comp / Grab	D Preservative (from Box 2) Other	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03S01	5	L	G	5					5-194753 /ABN/PCB/PEST	DRUM AREA	7/9/96 10:[illegible]					
96DV03S02	5	L	G	5					5-194757 ABN/PCB/PEST	ACCESS ROAD	7/9/96 11:[illegible]					
96DV03S03	5	L	G	5					5-194761 /ABN/PCB/PEST	DEPRESSION	7/9/96 11:[illegible]					
96DV03D03	5	L	G	5					5-194765 /ABN/PCB/PEST	DEPRESSION	7/9/96 11:[illegible]					
96DV03S04	5	L	G	5					5-194769 ABN/PCB/PEST	DEPRESSION	7/9/96 [illegible]					
96DV03S05	5	L	G	5					5-194773 ABN/PCB/PEST	SD004	7/9/96 16:[illegible]					
96DV03S06	5	L	G	5					5-194778 ABN/PCB/PEST	CONCRETE	7/9/96 18:00					
96DV03S07	5	L	G	5					5-194781 ABN/PCB/PEST	BKG	7/9/96 1445					
96DV03S08	5	L	G	5					5-194412 ABN/PCB/PEST	STRIP SCOPE	7/9/96 15:30					
96DV03S09	5	L	G	5					5-194447 ABN/PCB/PEST	N. SLOPE PROBE	7/9/96 16:30					

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	1 of 3			144036-144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [illegible]	7/16/96 2:30 pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none
		Walter Dotson	7-17-96 0842	5°C	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNB9

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EPA United States Environmental Protection Agency Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No.

1. Matrix (Enter in Column A)	2. Preservative (Enter in Column D)	2. Region No.	Sampling Co.	4. Date Shipped	Carrier	6. Date Received -- Received by:
1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify in Column A)	1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. Other (Specify in Column D) N. Not preserved	5	OEPA	7/16/96	FEDERAL EXPRESS	7-17-96 WALTER DOTSON

Sampler (Name):

Sampler Signature:

Airbill Number: 3456807[illegible]

Laboratory Contract Number: 68-D5-0018

Unit Price: $616.95

3. Purpose* — Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long Term Action: FS, RD, RA, O&M, NPLD

5. Ship To: AMERICAN TECHNICAL AND ANALYTICAL SERVICE, STEELE FEE ROAD, MARYLAND HEIGHTS, MO 63043 3211
ATTN: RICH MANNZ

7. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03508	5	L	G	5					5-194443-444 VOA	STEEPSLOPE	7/9/96 15:30					
96DV03509	5	L	G	5					5-194445-446 VOA	N.SLOPE DRUMS	7/9/96 16:30					
96DV03510	5	L	G	5					5-194783-784 VOA	DRUMSLOPE	7/9/96 17:[illegible]					
*96DV03511	5	L	G	5					5-194787-788 VOA	RAVINE	7/9/96 17:[illegible]					

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
	3 of 3			144036 - 144037

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	7/16/96 2:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none
		[signature]	7-17-96 0842	5°C	

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EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

*SDG -- FINAL SAMPLE

EBNB9

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A21-012-16 REV.

EPA United States Environmental Protection Agency
Contract Laboratory Program

& Chain of Custody Record
(For Organic CLP Analysis)

1. Matrix (Enter in Column A)	2. Preservative (Enter in Column D)
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. NaHSO4
4. Field QC	4. H2SO4
5. Soil/Sediment	5. Ice only
6. Oil (High only)	6. Other (Specify in Column D)
7. Waste (High only)	N. Not preserved
8. Other (Specify in Column A)	

2. Region No.: 5
Sampling Co.: OEPA
Sampler (Name):
Sampler Signature:

3. Purpose*: Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 7/12/96
Carrier: FEDERAL EXPRESS
Airbill Number: 3456807535

5. Ship To: ATTS AMERICAN TECHNICAL & ANALYTICAL SERVICE, 875 FEE FEE ROAD, MARYLAND HEIGHTS, MO 63043-3211
ATTN: RICH MANZ

6. Date Received -- Received by: 7-13-96 WALTER DOTSON
Laboratory Contract Number: 68-D5-0018
Unit Price: $616.95
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03522	2	L	G						5-194330 ABN	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194328 ABN	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194329 ABN	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194335 PCBS/PEST	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194332 PCBS/PEST	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194333 PCBS/PEST	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194334 PCBS/PEST	DP&L MW3	7/9/96 9:[illegible]					
96DV03522	2	L	G						5-194331 PCBS/PEST	DP&L MW3	7/9/96 9:50					

Shipment for Case Complete? (Y/N): Y
Page ___ of ___
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures:
Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
William [signature]	7/12/96 5:30				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]	Date / Time: 7/13/96 1025	Remarks: 13°	Is custody seal intact? Y/N/none: Y

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EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNB9

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No.

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: 5
Sampling Co.: OEPA
Sampler (Name):
Sampler Signature:
3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI
Long Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 7/12/96
Carrier: FEDERAL EXPRESS
Airbill Number: 3215680735
5. Ship To: MATS MAXICAN TECHNICAL ANALYTICAL SERVICE 875 ELLIS LEACAD MARYLANDHEIGHTS, MO 63043 ATTN: LICH MANZ

6. Date Received -- Received by: 7-15-96 WALTER DOSIN
Laboratory Contract Number: 68-D5-0018
Unit Price: $616.95
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV03S22	2	L	G	5					5-194342-343 ABN	MW101	7/9/96 1050					
96DV03S23	2	L	G	5					5-194344-345 VOA/PEST	MW101	7/9/96 1050					
96DV03D23	2	L	G	5					5-194419-420 ABN	MW101	7/9/96 1050					
96DV03D23	2	L	G	5					5-194421-422 VOA/PEST	MW101	7/9/96 1050					
96DV03S24	2	L	G	5					5-194427-428 ABN	MW103	7/9/96 13[illegible]					

Shipment for Case Complete? (Y/N)
Page ___ of ___
Sample(s) to be Used for Laboratory QC
Additional Sampler Signatures
Chain of Custody Seal Number(s): 5144027/144030

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	7/12/96 5:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? (Y/N/none)
		[signature]	7/15/96 0850	23°	

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EPA Form 9110-2

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*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

A21-012-16 REV.

EBNB9

369854

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EPA United States Environmental Protection Agency
Contract Laboratory Program

& Chain of Custody Record
(For Organic CLP Analysis)

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

2. Region No.: 5
Sampling Co.: OERA
Sampler (Name):
Sampler Signature:

3. Purpose* — Lead: SF, PRP, ST, FED; Early Action: CLEM, PA, REM, RI, SI, ESI; Long Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 7/12/96
Carrier: FEDERAL EXPRESS
Airbill Number: 3456807535
5. Ship To: AATS AMERICAN TECHNICAL AND ANALYTICAL SERVICE 875 PLE FLE ROAD MARYLAND HEIGHTS, MO 63043
ATTN: RICH MARTZ

6. Date Received -- Received by: 7-13-96 WALTER DOTSON
Laboratory Contract Number: 68-D5-0018
Unit Price: $616.95
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

000029

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other	B Conc. Low Med High	C Sample Type: Comp. Grab	D Preservative (from Box 2) Other	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases Solids	Water-Miscible Liq.	Water-Immis. Liq.
96DV63521	2	L	G	5					5-194429-430 PCB/PEST	MW103	7/9/96 13[illegible]					
96DV63525	2	L	G	5					5-194431-432 PCB	MW102	7/9/96 1430					
96DV63525	2	L	G	5					5-194434 PCB/PEST	MW102	7/9/96 1430					
96DV63522	2	L	G	1					5-194322-327 VOA	DAIL MW3	7/9/96 [illegible]					
96DV63523	2	L	G	1					5-194340-341 VOA	MW101	7/9/96 1050					
96DV63523	2	L	G	1					5-194417-418 VOA	MW101	7/9/96 1050					
96DV63524	2	L	G	1					5-194428-429 VOA	MW103	7/9/96 13[illegible]					
96DV63525	2	L	G	1					5-194427-438 VOA	MW102	7/9/96 1430					
96DV63561	2	L	G	1					5-194439-440 VOA	TRIP BLANK	7/9/96 0820					

Shipment for Case Complete? (Y/N): Y
Page: 3 of 3
Sample(s) to be Used for Laboratory QC:
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 144039 + 144018

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	7/12/96 5:30pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none
		[signature]	7/13/96 1025	102	

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EBNB9

303855

000036

AMERICAN TECHNICAL & ANALYTICAL SERVICES, INC.
875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 • FAX (314) 434-0080

RECEIVED
AUG 26 1996
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

August 20, 1996

Mr. Charles T. Elly
536 S. Clark Street
Tenth Floor, 5SCRL
Chicago, IL 60605

Dear Mr. Elly:

Enclosed are the data package and diskette for Case Number: 24833; SDG Number: EBNB9.

If you have any questions, please give me or Will Solomon a call.

Sincerely,

Timothy Schulte

Timothy Schulte
Quality Assurance Officer

ATAS
"Professional Commitment"

AMERICAN TECHNICAL & ANALYTICAL SERVICES, INC.
875 FEE FEE ROAD
MARYLAND HEIGHTS, MISSOURI 63043
(314) 434-4570

SDG NARRATIVE

CONTRACT: 68-D5-0018

CASE: 24833

SDG #: EBNB9

REGION: V

RECEIVED
AUG 26 1996
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

The samples listed below were received in good condition on July 13 and 17 1996. The cooler temperatures were 10, 13 and 23 °C. See phone log page 3638. The traffic reports were received without the CLP numbers listed. See other records pages 3633-3649.

ATAS ID	EPA SAMPLE ID	MATRIX
16224.01	EBNB9	WATER
16224.02	EBNB9MS	WATER
16224.03	EBNB9MSD	WATER
16224.04	EBNC0	WATER
16224.05	EBNC1	WATER
16224.06	EBNC2	WATER
16224.07	EBNC3	WATER
16224.08	EBNC4	WATER
16265.01	EBNA7	SOIL
16265.02	EBNA7MS	SOIL
16265.03	EBNA7MSD	SOIL
16265.04	EBNA8	SOIL
16265.05	EBNA9	SOIL
16265.06	EBNB0	SOIL
16265.07	EBNB1	SOIL
16265.08	EBNB2	SOIL
16265.09	EBNB3	SOIL
16265.10	EBNB4	SOIL
16265.11	EBNB5	SOIL
16265.12	EBNB6	SOIL
16265.13	EBNB7	SOIL

VOLATILE SAMPLE ANALYSIS:

The samples were analyzed following CLP SOW (OLM03.2).

The trap used for Volatile analysis is: Tekmar OV-1/Tenax/Silica, with 1 cm of OV-1, 15 cm of Tenax and 8 cm of Silica.

The column used for Volatile analysis is: J & W DB-624, 75 meter, 0.53 mm ID, 3 micron film thickness.

All water samples in this SDG for volatile analysis have a pH of 2.

Samples EBNA8, EBNB1, EBNB3, EBNB6 and EBNB8 had to be reanalyzed because the system monitoring compound recoveries were outside the QC limits. Both analysis are reported and billable.

SEMIVOLATILE SAMPLE ANALYSIS:

The samples were analyzed following CLP SOW (OLM03.2).

The column used for Semivolatile analyses is: Restek XTI-5 (bonded 5% phenyl-95% dimethyl polysiloxane), 30m, 0.25 mm ID, 1.0 micron film thickness.

The following samples had alkane reports and these reports are at the back of this narrative: EBNA7, EBNA8, EBNA9, EBNB0, EBNB1, EBNB2, EBNB2RE, EBNB3, EBNB3RE, EBNB4, EBNB5, EBNB5RE, EBNB6, EBNB6DL, EBNB7, EBNB7RE, EBNB8, SBLKAA and SBLKEV.

Samples EBNB2, EBNC2, EBNB5 and EBNB7 required reanalyzes to confirm low internal standards. Both analyses are reported and billable.

Samples EBNC0 and EBNB6 required dilutions for target compounds. Both analyses are reported and billable. Samples EBNB6 and EBNC0DL were reinjected to confirmed low internal standards. Both runs are reported in supporting data.

Sample EBNB3 was reextracted out of hold time because of low surrogates. The reextracted confirmed the low surrogate reported from the original analysis.

PESTICIDE/PCB SAMPLE ANALYSIS:

The samples were analyzed following CLP SOW (OLM03.2).

The columns used for this Pesticide/PCB analysis are: GC-5: J&W DB-1701, 30 meter, 0.32 mm ID, 0.25 micron film thickness and J&W DB-17, 30 meter, 0.32 mm ID, 0.25 micron film thickness. GC-1: Chrompack CP-SIL19CB, 30 meter, 0.32 mm ID, 0.25 micron film thickness and J&W DB-17, 30 meter, 0.32 mm ID, 0.25 micron film thickness.

EBNB9MS, EBNB9MSD, EBNB6DL, EBNC0 and EBNC2 have one or both DCB recoveries slightly below advisory limits. The Pesticide Residue Expert evaluated the data and determined that the samples were reportable.

PBLK5B is a sulfur blank and corresponds to the following samples which received sulfur cleanup using the copper method: EBNB1, EBNB4, EBNB5, EBNB6, EBNB7, and EBNB8.

Samples EBNB6, EBNB6DL and EBNB7 have single component target peaks scratched due to co-elution with aroclor peaks; the single-component targets can not be confirmed due to the presence of aroclors.

Sample EBNB6 was diluted due to overrange aroclors. Both runs are reported and billable.

MISCELLANEOUS:

The CAS numbers on some of the TIC compounds may be 0-00-0. The NBS 75K library database does not have the correct CAS number for these compounds and it assigns "0-00-0" as the CAS number.

All manual integrations in this data package for Volatile, Semivolatile and Pesticide/PCB analysis have been performed for one of the following reasons.

a. Data system missed peak during acquisition.
b. Data system improperly integrated peak.

The manual integrations in this data package are placed behind their associated standards or samples.

ADDITIONAL BILLABLES:

VOLATILE ANALYSIS	SEMIVOLATILE ANALYSIS	PESTICIDE/PCB ANALYSIS
EBNA8RE(Reinject)	EBNB2RE(Reinject)	EBNB6DL(Dilution)
EBNB1RE(Reinject)	EBNC2RE(Reinject)	
EBNB3RE(Reinject)	EBNB5RE(Reinject)	
EBNB6RE(Reinject)	EBNB7RE(Reinject)	
EBNB8RE(Reinject)	EBNB6DL(Dilution)	
	EBNB3RE(Reextract)	

EBNC0DL(Dilution)

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

Robert Wilhelm
Laboratory Manager

August 20, 1996

Alkane Report for Sample : E3NA7 Page: 1

Data file : AA6010.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.632	190
922-28-1	Heptane, 3,4-dimethyl-	4.670	140
2213-23-2	Heptane, 2,4-dimethyl-	4.725	450
2216-30-0	Heptane, 2,5-dimethyl-	4.823	390
	Unknown Alkane	8.116	120
112-40-3	Dodecane	8.470	390
17301-23-4	Undecane, 2,6-dimethyl-	8.601	160
5911-04-6	Nonane, 3-methyl-	9.145	160
629-50-5	Tridecane	9.389	160

Concentration Units: Water: UG/L Soil: UG/KG

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Alkane Report for Sample : EBNA8 Page: 1

Data file : AA6032.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.557	270
2213-23-2	Heptane, 2,4-dimethyl-	4.655	630
3377-87-5	Hexane, 3-bromo-	5.534	150
541-02-6	Cyclopentasiloxane, decamethyl-	7.843	76
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.53	160
26730-12-1	Tridecane, 4-methyl-	13.24	200
630-07-9	Pentatriacontane	13.78	110
112-95-8	Eicosane	17.17	96

Concentration Units: Water: UG/L Soil: UG/KG

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Alkane Report for Sample : EBNA9 Page: 1

Data file : AA6016.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.642	380
3074-77-9	Hexane, 3-ethyl-4-methyl-	4.680	340
2213-23-2	Heptane, 2,4-dimethyl-	4.734	920
3178-29-8	Heptane, 4-propyl-	4.832	880
18589-27-0	Hexane, 2-iodo-	5.610	410
544-76-3	Hexadecane	11.83	340
17301-28-9	Undecane, 3,6-dimethyl-	12.19	250
629-78-7	Heptadecane	12.56	690
74645-98-0	Dodecane, 2,7,10-trimethyl-	12.60	420
593-45-3	Octadecane	13.25	720
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	13.32	470
112-95-8	Eicosane	13.90	480
7225-66-3	Tridecane, 7-hexyl-	14.52	320

Concentration Units: Water: UG/L Soil: UG/KG

8-12-96

Alkane Report for Sample : EBNB0

Data file : AA6017.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
16789-46-1	Hexane, 3-ethyl-2-methyl-	4.637	330
2213-23-2	Heptane, 2,4-dimethyl-	4.735	790
2216-33-3	Octane, 3-methyl-	4.832	770
544-76-3	Hexadecane	11.83	300
638-67-5	Tricosane	12.19	290
629-78-7	Heptadecane	12.56	750
54105-67-8	Heptadecane, 2,6-dimethyl-	12.60	480
593-45-3	Octadecane	13.25	720
74645-98-0	Dodecane, 2,7,10-trimethyl-	13.32	470
629-92-5	Nonadecane	13.90	530
112-95-8	Eicosane	14.52	360
629-97-0	Docosane	15.11	250
630-06-8	Hexatriacontane	15.89	470
17312-59-3	Undecane, 4-ethyl-	16.42	400
54833-23-7	Eicosane, 10-methyl-	16.93	480
7098-22-8	Tetratetracontane	17.43	660

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : EBN31 Page: 1

Data file : AA6018.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.642	410
3074-77-9	Hexane, 3-ethyl-4-methyl-	4.680	290
2216-34-4	Octane, 4-methyl-	4.734	910
2216-33-3	Octane, 3-methyl-	4.832	910
504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	12.60	350
112-95-8	Eicosane	14.53	390

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : EBNB2 Page: 1

Data file : AA6019.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
629-64-1	Heptane, 1,1'-oxybis-	4.321	120
3074-71-3	Heptane, 2,3-dimethyl-	4.620	270
2213-23-2	Heptane, 2,4-dimethyl-	4.718	670
2216-33-3	Octane, 3-methyl-	4.816	660
3377-87-5	Hexane, 3-bromo-	5.608	320
112-95-8	Eicosane	19.13	260
13475-76-8	Docosane, 11-butyl-	20.26	310
	Unknown Alkane	21.73	140

Concentration Units: Water: UG/L Soil: UG/KG

8-12-96

Alkane Report for Sample : EBNB2RE

Data file : AA6033.d

Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.545	260
922-28-1	Heptane, 3,4-dimethyl-	4.588	230
2213-23-2	Heptane, 2,4-dimethyl-	4.642	660
2216-33-3	Octane, 3-methyl-	4.745	620
18589-27-0	Hexane, 2-iodo-	5.536	370
593-45-3	Octadecane	18.12	100
630-06-8	Hexatriacontane	19.04	260
629-92-5	Nonadecane	20.13	240
	Unknown Alkane	21.56	110

Concentration Units: Water: UG/L Soil: UG/KG

8-12-96

Alkane Report for Sample : EBNB3 Page: 1

Data file : AA6020.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.635	570
922-28-1	Heptane, 3,4-dimethyl-	4.673	470
2216-34-4	Octane, 4-methyl-	4.733	1300
2216-33-3	Octane, 3-methyl-	4.831	1200

Concentration Units: Water: UG/L Soil: UG/KG

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Alkane Report for Sample : EBN33RE

Data file : EE7250.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	5.186	220
2213-23-2	Heptane, 2,4-dimethyl-	5.245	890
2216-33-3	Octane, 3-methyl-	5.332	580

Concentration Units: Water: UG/L Soil: UG/KG

8-20-96
RG

Alkane Report for Sample : EBNB4 Page: 1

Data file : AA6021.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
16789-46-1	Hexane, 3-ethyl-2-methyl-	4.636	200
111-65-9	Octane	4.728	440
2216-33-3	Octane, 3-methyl-	4.826	410
6912-07-8	Hexadecane, 5-butyl-	18.20	470
544-85-4	Dotriacontane	19.13	6800
7098-21-7	Tritetracontane	19.65	490
112-95-8	Eicosane	20.26	6600
593-45-3	Octadecane	21.72	3400

Concentration Units: Water: UG/L Soil: UG/KG

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Alkane Report for Sample : EBNB5 Page: 1

Data file : AA6034.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
2213-23-2	Heptane, 2,4-dimethyl-	4.650	650
2216-33-3	Octane, 3-methyl-	4.748	680
629-59-4	Tetradecane	10.69	610
629-62-9	Pentadecane	10.99	330
544-76-3	Hexadecane	11.76	310
629-78-7	Heptadecane	12.48	380
504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	12.52	1200
593-45-3	Octadecane	13.17	530
638-67-5	Tricosane	15.04	520
112-95-8	Eicosane	15.61	350
629-97-0	Docosane	16.15	370
55045-10-8	Tridecane, 6-propyl-	17.17	490
646-31-1	Tetracosane	18.12	480
55282-11-6	Heneicosane, 11-(1-ethylpropyl)-	19.04	510
7225-64-1	Heptadecane, 9-octyl-	20.13	430

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : EBNB5RE

Data file : AA6053.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.576	390
2213-23-2	Heptane, 2,4-dimethyl-	4.674	770
2216-33-3	Octane, 3-methyl-	4.772	780
629-62-9	Pentadecane	11.00	490
544-76-3	Hexadecane	11.77	320
629-78-7	Heptadecane	12.49	410
54105-67-8	Heptadecane, 2,6-dimethyl-	12.53	1200
593-45-3	Octadecane	13.18	370
629-94-7	Heneicosane	15.05	480
629-97-0	Docosane	15.62	320
638-68-6	Triacontane	16.16	350
112-95-8	Eicosane	17.19	560
630-06-8	Hexatriacontane	18.14	400
646-31-1	Tetracosane	19.05	450

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : EBNB6 Page: 1

Data file : AA6052.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.558	560
3074-77-9	Hexane, 3-ethyl-4-methyl-	4.601	260
2213-23-2	Heptane, 2,4-dimethyl-	4.661	870
2216-33-3	Octane, 3-methyl-	4.759	1100
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	5.270	320
629-78-7	Heptadecane	14.46	300
629-97-0	Docosane	16.16	400
629-94-7	Heneicosane	17.19	540
112-95-8	Eicosane	17.67	1000
630-01-3	Hexacosane	18.14	640
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	18.59	440
629-62-9	Pentadecane	19.06	600

Concentration Units: Water: UG/L Soil: UG/KG

8-12-96
RG

Alkane Report for Sample : EBNB6DL

Data file : AA6051.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
544-76-3	Hexadecane	17.18	2600
630-01-3	Hexacosane	18.13	3200
593-45-3	Octadecane	19.05	2700
13287-24-6	Nonadecane, 9-methyl-	19.57	1400
112-95-8	Eicosane	20.15	1700

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : E3NB7

Data file : AA6024.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.624	330
922-28-1	Heptane, 3,4-dimethyl-	4.662	280
2216-34-4	Octane, 4-methyl-	4.716	750
2216-33-3	Octane, 3-methyl-	4.819	740
3377-86-4	Hexane, 2-bromo-	5.607	590
629-62-9	Pentadecane	11.07	340
629-78-7	Heptadecane	12.56	610
593-45-3	Octadecane	19.13	930
629-92-5	Nonadecane	20.25	790

Concentration Units: Water: UG/L Soil: UG/KG

8-12-96

Alkane Report for Sample : EBNB7RE

Data file : AA6054.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.575	380
3074-77-9	Hexane, 3-ethyl-4-methyl-	4.613	270
2213-23-2	Heptane, 2,4-dimethyl-	4.667	820
2216-33-3	Octane, 3-methyl-	4.765	810
629-62-9	Pentadecane	11.00	360
629-78-7	Heptadecane	12.49	550
295-65-8	Cyclohexadecane	15.01	200
55282-14-9	Docosane, 9-butyl-	19.05	540
630-07-9	Pentatriacontane	20.15	390

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : EBNB8 Page: 1

Data file : AA6025.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.621	270
922-28-1	Heptane, 3,4-dimethyl-	4.659	200
2213-23-2	Heptane, 2,4-dimethyl-	4.719	580
2216-33-3	Octane, 3-methyl-	4.817	590
3891-98-3	Dodecane, 2,6,10-trimethyl-	10.77	160
544-76-3	Hexadecane	11.07	260
112-95-8	Eicosane	11.83	150
19218-94-1	Tetradecane, 1-iodo-	12.56	280
31295-56-4	Dodecane, 2,6,11-trimethyl-	12.60	350
26730-12-1	Tridecane, 4-methyl-	13.32	310
544-85-4	Dotriacontane	13.86	200
629-62-9	Pentadecane	13.90	260
630-02-4	Octacosane	14.53	410
629-92-5	Nonadecane	15.12	210

Concentration Units: Water: UG/L Soil: UG/KG

8/12 RC

Data file : AA6014.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
3074-71-3	Heptane, 2,3-dimethyl-	4.613	300
922-28-1	Heptane, 3,4-dimethyl-	4.651	240
2216-34-4	Octane, 4-methyl-	4.711	690
2216-33-3	Octane, 3-methyl-	4.814	650

Concentration Units: Water: UG/L Soil: UG/KG

Alkane Report for Sample : SBLKEV

Data file : EE7248.d Matrix : SOIL

CAS #	Compound	R.T.	Estimated Conc.
2216-30-0	Heptane, 2,5-dimethyl-	4.943	78
3074-71-3	Heptane, 2,3-dimethyl-	5.188	180
2213-23-2	Heptane, 2,4-dimethyl-	5.247	630
2216-33-3	Octane, 3-methyl-	5.334	440
541-02-6	Cyclopentasiloxane, decamethyl-	8.014	74

Concentration Units: Water: UG/L Soil: UG/KG

8/1/96

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKCK	100	104	98		0
02	EBNB9	101	103	96		0
03	EBNB9MS	103	107	101		0
04	EBNB9MSD	101	102	102		0
05	EBNC0	110	110	106		0
06	EBNC1	103	104	104		0
07	EBNC2	107	109	105		0
08	EBNC3	108	111	110		0
09	EBNC4	108	106	108		0
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29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

b Name: ATAS, INC. Contract: 68-D5-0018

b Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

vel:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	VBLKDP	100	97	97		0
02	EBNA7	192*	52*	100		2
03	EBNA7MS	198*	49*	107		2
04	EBNA7MSD	171*	53*	110		2
05	EBNA8	219*	53*	100		2
06	EBNB1	218*	44*	92		2
07	EBNB2	104	88	95		0
08	EBNB3	166*	0*	81		2
09	EBNB6	181*	68	97		1
10	EBNB8	135	76	106		0
11	VBLKDQ	102	98	98		0
12	EBNA8RE	176*	65	90		1
13	EBNA9	108	91	98		0
14	EBNB0	102	90	94		0
15	EBNB1RE	226*	85	117		1
16	EBNB3RE	283*	0*	64*		3
17	EBNB4	109	77	93		0
18	EBNB6RE	170*	78	92		1
19	EBNB7	113	86	96		0
20	EBNB8RE	129	70	96		0
21	VBLKDR	101	108	94		0
22	EBNB5	129	83	95		0
23	VHBLKDR	102	102	95		0
24						
25						
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27						
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30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix Spike - EPA Sample No.: EBNB9

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	47	94	61-145
Trichloroethene	50	0	45	90	71-120
Benzene	50	0	51	102	76-127
Toluene	50	0	49	98	76-125
Chlorobenzene	50	0	48	96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	45	90	4	14	61-145
Trichloroethene	50	44	88	2	14	71-120
Benzene	50	52	104	2	11	76-127
Toluene	50	49	98	0	13	76-125
Chlorobenzene	50	48	96	0	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix Spike - EPA Sample No.: EBNA7 Level(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMIT REC.
1,1-Dichloroethene	62	0	57	92	59-17
Trichloroethene	62	0	94	152*	62-13
Benzene	62	0	93	150*	66-14
Toluene	62	0	120	194*	59-13
Chlorobenzene	62	0	59	95	60-13

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	62	61	98	6	22	59-17
Trichloroethene	62	77	124	20	24	62-13
Benzene	62	79	127	17	21	66-14
Toluene	62	99	160*	19	21	59-13
Chlorobenzene	62	60	97	2	21	60-13

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 4 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCK

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: C6529.D Lab Sample ID: 071796-01

Date Analyzed: 07/17/96 Time Analyzed: 1031

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: C

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EBNB9	16224.01	C6530.D	1203
02	EBNB9MS	16224.02	C6531.D	1231
03	EBNB9MSD	16224.03	C6532.D	1259
04	EBNC0	16224.04	C6533.D	1326
05	EBNC1	16224.05	C6534.D	1354
06	EBNC2	16224.06	C6535.D	1422
07	EBNC3	16224.07	C6536.D	1450
08	EBNC4	16224.08	C6537.D	1518
09				
10				
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COMMENTS:

page 01 of 01

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDP

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: D5737.D Lab Sample ID: 072296-01

Date Analyzed: 07/22/96 Time Analyzed: 1231

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: D

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EBNA7	16265.01	D5738.D	1349
02	EBNA7MS	16265.02	D5739.D	1423
03	EBNA7MSD	16265.03	D5740.D	1451
04	EBNA8	16265.04	D5741.D	1520
05	EBNB1	16265.07	D5743.D	1650
06	EBNB2	16265.08	D5744.D	1720
07	EBNB3	16265.09	D5745.D	1749
08	EBNB6	16265.12	D5748.D	1919
09	EBNB8	16265.14	D5750.D	2018
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDQ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: D5772.D Lab Sample ID: 072496-01

Date Analyzed: 07/24/96 Time Analyzed: 1223

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: D

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EBNA8RE	16265.04	D5773.D	1304
02	EBNA9	16265.05	D5774.D	1334
03	EBNB0	16265.06	D5775.D	1404
04	EBNB1RE	16265.07	D5776.D	1453
05	EBNB3RE	16265.09	D5777.D	1530
06	EBNB4	16265.10	D5778.D	1600
07	EBNB6RE	16265.12	D5780.D	1701
08	EBNB7	16265.13	D5781.D	1731
09	EBNB8RE	16265.14	D5782.D	1801
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDR

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: D5813.D Lab Sample ID: 072696-01

Date Analyzed: 07/26/96 Time Analyzed: 1118

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: D

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EBNB5	16265.11	D5814.D	1204
02	VHBLKDR	16265.15	D5815.D	1235
03				
04				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5738.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 19 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	~~11~~	JB
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	59	
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5738.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 19 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.349	20	NJB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5741.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 3 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	16	BU
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5741.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 3 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.590	28	J
2. 110-54-3	Hexane	9.360	48	NJB
3. 541-05-9	Cyclotrisiloxane, hexamethyl	14.504	51	NJ
4. 55429-85-1	Benzeneethanamine, N-[(penta	19.570	190	NJ
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FORM I VOA-TIC OLM3.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA8RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5773.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 3 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	40	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
540-59-0	1,2-Dichloroethene (total)	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	9	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA8RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5773.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 3 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	110-54-3	Hexane	9.323	29	NJB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5774.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 19 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12 ~~10~~	JB
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	7	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5774.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 19 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.363	16	NJB
2. 541-05-9	Cyclotrisiloxane, hexamethyl	14.513	7	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5775.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 20 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12 ~~8~~	JB
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	5	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5775.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 20 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.369	15	NJB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5743.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 36 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	16 ~~7~~	JB
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

UJ

FORM I VOA

000105 OLM3.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5743.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 36 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	110-54-3	Hexane	9.361	22	NJB
2.					
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB1RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5776.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 36 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	25	B
67-64-1	Acetone	22	
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	14	J
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

000113

FORM I VOA OLM3.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB1RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5776.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 36 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.335	33	NJBU
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5744.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 14 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	~~12~~	JBu
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

000122

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5744.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 14 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.359	18	NJB
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5745.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 38 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	16 ~~10~~	JB
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

000130

FORM I VOA OLM3.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5745.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 38 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.358	42	NJB
2. 541-05-9	Cyclotrisiloxane, hexamethyl	14.486	190	NJ
3.				
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FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5777.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 38 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	46	B
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	74	
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB3RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5777.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 38 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.325	57	NJB
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5778.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 12 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	~~11~~ 7	JBU
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5778.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 12 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.363	18	NJB
2.				
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FORM I VOA-TIC OLM3.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5814.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 10 Date Analyzed: 07/26/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	16	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	10	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5814.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 10 Date Analyzed: 07/26/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.302	28	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5748.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 6 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~10~~	JB
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

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FORM I VOA OLM3.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5748.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 6 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.344	20	NJB
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5780.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 6 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	7	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB6RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5780.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 6 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.357	16	NJBU
2.	Unknown	10.273	8	J
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5781.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 18 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	JBU
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	11	J
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

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FORM I VOA OLM3.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5781.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 18 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.357	24	NJB
2.				
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5750.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 8 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	7	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBN38

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN39

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5750.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 8 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	7.744	6	NJ
2. 110-54-3	Hexane	9.342	27	NJBU
3. 541-05-9	Cyclotrisiloxane, hexamethyl	14.499	13	NJ
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FORM I VOA-TIC OLM3.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB8RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5782.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 8 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	24	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	7	J
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	3	J
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	15	
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	3	J
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	12	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB8RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5782.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: not dec. 8 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.361	20	NJB
2.				
3.				
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FORM I VOA-TIC OLM3.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9 S22

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6530.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column: DB-624 ID: 0.53 (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	10	U
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

000217

FORM I VOA OLM3.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6533.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column: DB-624 ID: 0.53 (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	4	J
75-00-3	Chloroethane	2	J
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	30	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	13	
540-59-0	1,2-Dichloroethene (total)	150	
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	Xylene (Total)	10	U

-11J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6530.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column: DB-624 ID: 0.53 (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	4.846	8	J
2.		Unknown	6.903	14	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9 524

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6534.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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	10	U
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6533.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9 D23

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6535.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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	4	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	29	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	13	
540-59-0	1,2-Dichloroethene (total)	140	
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	1	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6534.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column: DB-624 ID: 0.53 (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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9 525

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6536.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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 -UJ
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	22	
75-09-2	Methylene Chloride	6	J
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
540-59-0	1,2-Dichloroethene (total)	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	15	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	4	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6535.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9 R01

Matrix: (soil/water) WATER Lab Sample ID: 16224.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6537.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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	4	J
75-09-2	Methylene Chloride	7	J
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
540-59-0	1,2-Dichloroethene (total)	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	6	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6536.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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. 110-54-3	Hexane	7.697	7	NJ
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6537.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TO OU
01	SBLKEJ	49	53	84	46	42	66	45	41	
02	EBNB9	56	62	80	49	39	59	47	48	
03	EBNB9MS	66	72	89	62	57	84	60	56	
04	EBNB9MSD	64	65	131	58	55	81	59	59	
05	EBNC0	50	60	63	49	55	73	60	53	
06	EBNC1	48	63	96	52	51	70	56	53	
07	EBNC2	46	60	72	46	48	70	52	49	
08	EBNC2RE	48	68	56	39	46	67	46	47	
09	EBNC3	54	70	76	52	54	69	58	53	
10	EBNC0DL	64	77	58	73	67	76	76	70	
11	SBLKEV	76	72	86	68	62	54	63	65	
12										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCK

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 071796-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6529.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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	10	U
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

000353

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKCK

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 071796-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C6529.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB-624 ID: 0.53 (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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDP

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072296-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5737.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	4	J
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKDP

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072296-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5737.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/22/96

GC Column:DB-624 ID: 0.53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	110-54-3	Hexane	9.332	8	NJ
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDQ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5772.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	2	J
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKDQ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5772.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/24/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.320	9	NJ
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDR

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072696-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5813.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/26/96

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	10	U
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
540-59-0	1,2-Dichloroethene (total)	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	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK0R

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072696-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5813.D

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed: 07/26/96

GC Column:DB-624 ID: 0.53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: OH

Case No: 24833 Site Name Location: South Dayton Du

Contractor or EPA Lab: ATAS Data User: OEPA

No. of Samples: 18 Date Sampled or Data Received: 8-26-96

Have Chain-of-Custody records been received? Yes ✓ No____
Have traffic reports or packing lists been received? Yes ✓ No____
If no, are traffic report or packing list numbers written on the chain-of-custody record? Yes ✓ No____
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____

_____ _____ _____ _____

Are basic data forms in? Yes ✓ No____
No of samples claimed: 18 No. of samples received: 18

Received by: Lynette Burnett Date: 8-26-96

Received by LSSS: Lynette Burnett Date: 8-26-96

Review started: 9/5/96 Reviewer Signature: Stephanie N Tobin

Total time spent on review: 25 hrs Date review completed: 9/13/96

Copied by: Lynette Burnett Date: 9-30-96

Mailed to user by: Lynette Burnett Date: 9-30-96

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Data: _____

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	EBNA7	58	56	57	45	38	22	42	45	0
02	EBNA7MS	84	85	80	68	57	30	64	66	0
03	EBNA7MSD	86	86	77	60	55	36	59	68	0
04	SBLKAA	75	79	90	78	72	69	75	61	0
05	EBNA9	88	85	96	79	75	73	75	58	0
06	EBNB0	75	79	105	66	64	78	63	52	0
07	EBNB1	85	85	70	77	73	79	72	62	0
08	EBNB2 ✓	71	70	95	73	68	71	70	53	0
09	EBNB3 ✓	84	75	9*	64	59	42	59	64	1
10	EBNB4	50	62	100	57	50	79	51	32	0
11	EBNB7 ✓	77	82	111	76	70	78	72	57	0
12	EBNB8	75	76	94	71	64	62	66	59	0
13	EBNA8	78	77	44	72	69	45	67	68	0
14	EBNB2RE	66	68	83	71	68	70	69	53	0
15	EBNB5	72	75	100	73	68	67	70	59	0
16	EBNB6DL x	0D	0	0	0	0	0	0	0	0
17	EBNB6 ✓	74	86	89	58	51	41	56	64	0
18	EBNB5RE ✓	71	79	93	58	59	63	60	57	0
19	EBNB7RE	71	81	93	66	62	62	65	56	0
20	EBNB3RE	64	61	8*	52	47	31	48	60	1
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix Spike - EPA Sample No.: EBNB9

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0	47	63	12-110
2-Chlorophenol	75	0	46	61	27-123
1,4-Dichlorobenzene	50	0	30	60	36- 97
N-Nitroso-di-n-prop.(1)	50	0	32	64	41-116
1,2,4-Trichlorobenzene	50	0	32	64	39- 98
4-Chloro-3-Methylphenol	75	0	53	71	23- 97
Acenaphthene	50	0	34	68	46-118
4-Nitrophenol	75	0	54	72	10- 80
2,4-Dinitrotoluene	50	0	34	68	24- 96
Pentachlorophenol	75	0	64	85	9-103
Pyrene	50	0	44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	44	59	6	42	12-110
2-Chlorophenol	75	44	59	3	40	27-123
1,4-Dichlorobenzene	50	29	58	3	28	36- 97
N-Nitroso-di-n-prop.(1)	50	36	72	12	38	41-116
1,2,4-Trichlorobenzene	50	31	62	3	28	39- 98
4-Chloro-3-Methylphenol	75	53	71	0	42	23- 97
Acenaphthene	50	33	66	3	31	46-118
4-Nitrophenol	75	42	56	25	50	10- 80
2,4-Dinitrotoluene	50	38	76	11	38	24- 96
Pentachlorophenol	75	80	107*	23	50	9-103
Pyrene	50	69	138*	44*	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN39

Matrix Spike - EPA Sample No.: EBNA7 Level(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3100	0	2000	64	26- 90
2-Chlorophenol	3100	0	1800	58	25-102
1,4-Dichlorobenzene	2000	140	1500	68	28-104
N-Nitroso-di-n-prop.(1)	2000	0	1600	80	41-126
1,2,4-Trichlorobenzene	2000	0	1500	75	38-107
4-Chloro-3-Methylphenol	3100	0	2100	68	26-103
Acenaphthene	2000	0	1700	85	31-137
4-Nitrophenol	3100	0	2700	87	11-114
2,4-Dinitrotoluene	2000	0	1700	85	28- 89
Pentachlorophenol	3100	0	1900	61	17-109
Pyrene	2000	0	1400	70	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3100	1700	55	15	35	26- 90
2-Chlorophenol	3100	1600	52	11	50	25-102
1,4-Dichlorobenzene	2000	1600	73	7	27	28-104
N-Nitroso-di-n-prop.(1)	2000	1500	75	6	38	41-126
1,2,4-Trichlorobenzene	2000	1600	80	6	23	38-107
4-Chloro-3-Methylphenol	3100	1900	61	11	33	26-103
Acenaphthene	2000	1700	85	0	19	31-137
4-Nitrophenol	3100	3400	110	23	50	11-114
2,4-Dinitrotoluene	2000	1800	90*	6	47	28- 89
Pentachlorophenol	3100	2200	71	15	47	17-109
Pyrene	2000	1400	70	0	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS:

000408

000127

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKEJ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: EE7050.D Lab Sample ID: 071696-01

Instrument ID: E Date Extracted: 07/16/96

Matrix: (soil/water) WATER Date Analyzed: 07/23/96

Level: (low/med) LOW Time Analyzed: 1317

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EBNB9	16224.01	EE7063.D	07/23/96
02	EBNB9MS	16224.02	EE7064.D	07/23/96
03	EBNB9MSD	16224.03	EE7096.D	07/25/96
04	EBNC0	16224.04	EE7196.D	08/05/96
05	EBNC1	16224.05	EE7197.D	08/05/96
06	EBNC2	16224.06	EE7199.D	08/05/96
07	EBNC2RE	16224.06	EE7200.D	08/05/96
08	EBNC3	16224.07	EE7201.D	08/05/96
09	EBNC0DL	16224.04	EE7213.D	08/06/96
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COMMENTS:

page 01 of 01

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKAA

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: AA6014.D Lab Sample ID: 072496-01

Instrument ID: A Date Extracted: 07/24/96

Matrix: (soil/water) SOIL Date Analyzed: 07/29/96

Level:(low/med) LOW Time Analyzed: 1852

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EBNA7	16265.01	AA6010.D	07/27/96
02	EBNA7MS	16265.02	AA6011.D	07/27/96
03	EBNA7MSD	16265.03	AA6012.D	07/27/96
04	EBNA9	16265.05	AA6016.D	07/29/96
05	EBNB0	16265.06	AA6017.D	07/29/96
06	EBNB1	16265.07	AA6018.D	07/29/96
07	EBNB2	16265.08	AA6019.D	07/29/96
08	EBNB3	16265.09	AA6020.D	07/29/96
09	EBNB4	16265.10	AA6021.D	07/29/96
10	EBNB7	16265.13	AA6024.D	07/30/96
11	EBNB8	16265.14	AA6025.D	07/30/96
12	EBNA8	16265.04	AA6032.D	07/30/96
13	EBNB2RE	16265.08	AA6033.D	07/30/96
14	EBNB5	16265.11	AA6034.D	07/30/96
15	EBNB6DL	16265.12	AA6051.D	07/31/96
16	EBNB6	16265.12	AA6052.D	07/31/96
17	EBNB5RE	16265.11	AA6053.D	07/31/96
18	EBNB7RE	16265.13	AA6054.D	07/31/96
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKEV

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab File ID: EE7248.D Lab Sample ID: - 073096-01

Instrument ID: E Date Extracted: 07/30/96

Matrix: (soil/water) SOIL Date Analyzed: 08/14/96

Level: (low/med) LOW Time Analyzed: 1157

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EBNB3RE	16265.09	EE7250.D	08/14/96
02				
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6010.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/27/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(-2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	140	J
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethyphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(-2-Chloroethoxy)methane	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKEJ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN39

Matrix: (soil/water) WATER Lab Sample ID: 071696-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7050.D

Level: (low/med) LOW Date Received: / /

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/23/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	5.332	3	NJ
2.	111-76-2	Ethanol, 2-butoxy-	6.034	9	NJ
3.		Unknown	6.180	6	J
4.		Unknown	6.387	2	J
5.		Unknown	6.474	2	J
6.	142-62-1	Hexanoic acid	6.594	3	NJ
7.		Unknown	6.719	5	J
8.	74367-33-2	Propanoic acid, 2-methyl-, 2	10.516	4	NJ
9.		Unknown	10.631	5	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265

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

Level: (low/med) LOW Date Receiv 5-1

% Moisture: 19 decanted: (Y/N) N Date Extract

Concentrated Extract Volume: 500(UL) Date Analyzed

Injection Volume: 2.0(uL) Dilution Facto

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	24	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6010.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/27/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.459	1100	A NJB
2.		Unknown	5.355	100	J
3.		Unknown	5.600	130	J
4.		Unknown	5.806	530	JB
5.		Unknown	6.312	160	J
6.		Unknown	7.013	380	J
7.	1454-84-8	1-Nonadecanol	17.278	240	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: [illegible]

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

Level: (low/med) LOW Date Rec[illegible]

% Moisture: 3 decanted: (Y/N) N Date Ext[illegible]

Concentrated Extract Volume: 500(UL) Date Anal

Injection Volume: 2.0(uL) Dilution [illegible]: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(-2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethyphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	20	J
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
111-91-1	bis(-2-Chloroethoxy)methane	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6032.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	18	J
206-44-0	Fluoranthene	21	J
129-00-0	Pyrene	20	J
85-68-7	Butylbenzylphthalate	25	J
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	33	J
117-84-0	Di-n-octylphthalate	23	J
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6032.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.400	8000	A NJB
2.		Unknown	4.596	210	J
3.		Unknown	4.753	620	J
4.		Unknown	5.741	840	JB u
5.		Unknown	5.866	120	JB u
6.		Unknown	6.252	110	J
7.		Unknown	6.942	200	J
8.	91-64-5	2H-1-Benzopyran-2-one	10.824	160	NJ
9.		Unknown	14.357	96	J
10.		Unknown	24.411	430	J
11.		Unknown	25.068	410	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6016.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(-2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethyphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(-2-Chloroethoxy)methane	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

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

Level: (low/med) LOW Date Receive

% Moisture: 19 decanted: (Y/N) N Date Extract

Concentrated Extract Volume: 500(UL) Date Analyze

Injection Volume: 2.0(uL) Dilution Fac

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	33	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	21	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNA9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6016.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.468	1900	A NJB
2.	Unknown	5.811	660	JB
3.	Unknown	6.317	210	J
4.	Unknown	7.019	460	J
5.	Unknown	21.088	1200	J
6.	Unknown	21.758	720	J
7.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

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

Level: (low/med) LOW Date Re

% Moisture: 20 decanted: (Y/N) N Date Ext

Concentrated Extract Volume: 500(UL) Date Ana

Injection Volume: 2.0(uL) Dilution

GPC Cleanup: (Y/N) Y pH: 7.2

DC3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(-2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethyphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(-2-Chloroethoxy)methane	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBN30

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN39

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6017.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	34	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	27	J
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	33	J
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	25	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6017.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.458	1500	A NJB	u
2.		Unknown	4.675	330	J	
3.		Unknown	5.604	410	J	
4.		Unknown	5.811	750	JB	u
5.		Unknown	6.316	260	J	
6.		Unknown	7.018	550	J	
7.		Unknown	21.078	1700	J	9/1
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample I 07

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

Level: (low/med) LOW Date Receiv

% Moisture: 36 decanted: (Y/N) N Date Extrac

Concentrated Extract Volume: 500(UL) Date Analy

Injection Volume: 2.0(uL) Dilution Factor:

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(-2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethyphenol	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	58	J
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
111-91-1	bis(-2-Chloroethoxy)methane	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	77	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	33	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6018.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 36 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	28	J
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	29	J
86-74-8	Carbazole	520	U
84-74-2	Di-n-butylphthalate	28	J
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)anthracene	41	J
218-01-9	Chrysene	56	J
117-81-7	bis(2-Ethylhexyl)phthalate	540	
117-84-0	Di-n-octylphthalate	520	U
205-99-2	Benzo(b)fluoranthene	520	U
207-08-9	Benzo(k)fluoranthene	520	U
50-32-8	Benzo(a)pyrene	520	U
193-39-5	Indeno(1,2,3-cd)pyrene	520	U
53-70-3	Dibenzo(a,h)anthracene	520	U
191-24-2	Benzo(g,h,i)perylene	520	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6018.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 36 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 16

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.463	2300	A NJB
2.		Unknown	5.610	240	J
3.		Unknown	5.811	820	JB
4.		Unknown	6.323	500	J
5.		Unknown	7.020	720	J
6.		Unknown	8.180	270	J
7.	620-92-8	Phenol, 4,4'-methylenebis-	15.210	1000	NJ
8.	629-54-9	Hexadecanamide	15.688	500	NJ
9.		Unknown	16.480	300	J
10.		Unknown	16.711	1000	J
11.	54789-40-1	Heptanamide, 4-ethyl-5-methy	16.810	360	NJ
12.		Unknown	16.865	760	J
13.		Unknown	16.970	370	J
14.		Unknown	17.212	510	J
15.		Unknown	17.317	2200	J
16.		Unknown	18.072	360	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: S

Matrix: (soil/water) SOIL Lab Sample

Sample wt/vol: 30.0 (g/mL) G Lab File I

Level: (low/med) LOW Date Recei

% Moisture: 14 decanted: (Y/N) N Date Extra

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(-2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethyphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(-2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6019.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	21	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	31	J
129-00-0	Pyrene	30	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	27	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6033.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(-2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethyphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(-2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6019.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.436	3100	A NJB
2.	Unknown	4.659	260	J
3.	Unknown	5.364	130	J
4. 110-13-4	2,5-Hexanedione	5.570	120	NJ
5.	Unknown	5.809	970	JB
6.	Unknown	5.939	81	J
7.	Unknown	6.319	180	J
8.	Unknown	7.014	640	J
9.	Unknown	18.733	130	J
10.	Unknown	22.570	1000	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6033.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	21	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	20	J
206-44-0	Fluoranthene	34	J
129-00-0	Pyrene	30	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	20	J
218-01-9	Chrysene	26	J
117-81-7	bis(2-Ethylhexyl)phthalate	53	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6033.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.366	3200	A NJB
2.	Unknown	5.289	130	J
3. 110-13-4	2,5-Hexanedione	5.493	100	NJ
4. 4436-75-3	3-Hexene-2,5-dione	5.740	1000	NJ
5.	Unknown	6.246	200	J
6.	Unknown	6.941	730	J
7.	Unknown	17.234	130	J
8.	Unknown	22.373	870	J
9.	Unknown	22.614	120	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265 09

Sample wt/vol: 30.0 (g/mL) G Lab Fi

Level: (low/med) LOW Date R

% Moisture: 38 decanted: (Y/N) N Date E

Concentrated Extract Volume: 500(UL) Date A

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(-2-Chloroethyl)Ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	2,2'-oxybis(1-Chloropropane)	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethyphenol	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
111-91-1	bis(-2-Chloroethoxy)methane	530	U
59-50-7	4-Chloro-3-Methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	530	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6020.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	530	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine (1)	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
86-74-8	Carbazole	530	U
84-74-2	Di-n-butylphthalate	31	J
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	530	U
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenzo(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6020.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.456	3100	A NJB	u
2.		Unknown	5.364	180	J	
3.		Unknown	5.809	600	JB	u
4.		Unknown	5.934	150	J	
5.		Unknown	7.912	140	J	
6.		Unknown	17.309	120	J	4/11
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7250.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 08/14/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(-2-Chloroethyl)Ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	2,2'-oxybis(1-Chloropropane)	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
111-91-1	bis(-2-Chloroethoxy)methane	530	U
59-50-7	4-Chloro-3-Methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	530	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7250.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 08/14/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	530	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine (1)	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
86-74-8	Carbazole	530	U
84-74-2	Di-n-butylphthalate	530 ~~77~~	JB
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	530	U
117-84-0	Di-n-octylphthalate	530 ~~270~~	JB
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenzo(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB3RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7250.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/14/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	5.018	1700	A NJB
2.		Unknown	6.151	210	JB
3.	142-62-1	Hexanoic acid	6.292	240	NJB
4.	74381-40-1	Propanoic acid, 2-methyl-, 1	11.940	170	NJ
5.	3648-21-3	1,2-Benzenedicarboxylic acid	17.014	150	NJ
6.	1330-96-7	1,2-Benzenedicarboxylic acid	17.334	280	NJ
7.		Unknown	17.943	180	J
8.	84-76-6	1,2-Benzenedicarboxylic acid	19.720	450	NJ
9.		Unknown	21.421	240	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample

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

Level: (low/med) LOW Date Rece

% Moisture: 12 decanted: (Y/N) N Date Extr

Concentrated Extract Volume: 500(UL) Date Anal

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(-2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethyphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(-2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6021.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	28	J
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	26	J
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	58	J
218-01-9	Chrysene	83	J
117-81-7	bis(2-Ethylhexyl)phthalate	32	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	62	J
193-39-5	Indeno(1,2,3-cd)pyrene	48	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6021.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.463	1800	A NJB
2.	Unknown	5.365	180	J
3.	Unknown	5.604	1100	J
4.	Unknown	5.810	600	JB
5.	Unknown	6.316	320	J
6.	Unknown	7.023	960	J
7.	Unknown	12.617	180	J
8. 57-10-3	Hexadecanoic acid	14.300	170	NJ
9. 6971-40-0	17-Pentatriacontene	18.253	300	NJ
10. 56554-86-0	17-Octadecenal	18.900	3000	NJ
11. 1599-67-3	1-Docosene	19.207	3300	NJ
12. 7390-81-0	Oxirane, hexadecyl-	19.982	1200	NJ
13. 6624-79-9	1-Dotriacontanol	20.390	1300	NJ
14. 7390-81-0	Oxirane, hexadecyl-	21.395	1500	NJ
15. 83-47-6	.gamma.-Sitosterol	23.137	1900	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-001R

Lab Code: ATAS Case No.: 24833 SAS No.:

Matrix: (soil/water) SOIL Lab Sample

Sample wt/vol: 30.0 (g/mL) G Lab File I

Level: (low/med) LOW Date Recei

% Moisture: 10 decanted: (Y/N) N Date Extracted:

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(-2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethyphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	250	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
111-91-1	bis(-2-Chloroethoxy)methane	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	390	
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	91	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB5

Matrix: (soil/water) SOIL Lab Sample ID: 16265

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

Level: (low/med) LOW Date Recei

% Moisture: 10 decanted: (Y/N) N Date Extract

Concentrated Extract Volume: 500(UL) Date Analyzed:

Injection Volume: 2.0(uL) Dilution Factor:

GPC Cleanup: (Y/N) Y pH: 6.9

508

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	160	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	87	J
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-nitrosodiphenylamine (1)	27	J
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	280	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	19	J
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	950	
50-32-8	Benzo(a)pyrene	820	
193-39-5	Indeno(1,2,3-cd)pyrene	480	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	160	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6034.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.368	1600	A NJB
2.	Unknown	5.536	690	J
3.	Unknown	5.737	850	JB
4.	Unknown	6.248	690	J
5.	Unknown	6.945	1000	J
6. 90-12-0	Naphthalene, 1-methyl-	9.715	390	NJ
7. 529-05-5	Azulene, 7-ethyl-1,4-dimethy	13.110	350	NJ
8. 2531-84-2	Phenanthrene, 2-methyl-	14.450	860	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6053.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(-2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethyphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	260	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
111-91-1	bis(-2-Chloroethoxy)methane	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	380	
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	26	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	93	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6053.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	170	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	91	J
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-nitrosodiphenylamine (1)	27	J
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	300	J
86-74-8	Carbazole	290	J
84-74-2	Di-n-butylphthalate	31	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	26	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	19	J
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	810	
193-39-5	Indeno(1,2,3-cd)pyrene	610	
53-70-3	Dibenzo(a,h)anthracene	320	J
191-24-2	Benzo(g,h,i)perylene	180	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB5RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6053.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.413	1600	A NJB
2.	Unknown	5.545	600	J
3.	Unknown	5.747	500	JB
4.	Unknown	6.259	550	J
5.	Unknown	6.957	820	J
6. 264-09-5	Benzocycloheptatriene	9.722	350	NJ
7. 610-48-0	Anthracene, 1-methyl-	14.464	700	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG

Matrix: (soil/water) SOIL Lab Sample

Sample wt/vol: 30.0 (g/mL) G Lab File I.

Level: (low/med) LOW Date Receiv

% Moisture: 6 decanted: (Y/N) N Date Extract

Concentrated Extract Volume: 500(UL) Date Analyze. 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	64	J
111-44-4	bis(-2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethyphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	35	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(-2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	49	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6052.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	26	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	1500	
206-44-0	Fluoranthene	340	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	18000	E
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	180	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	2100	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6052.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 14

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.379	1900	NJB
2.		Unknown	5.537	560	J
3.		Unknown	5.739	570	JB
4.		Unknown	6.250	630	J
5.		Unknown	6.953	720	J
6.	123-08-0	Benzaldehyde, 4-hydroxy-	9.964	270	NJ
7.		Unknown	12.719	320	J
8.		Unknown	12.802	280	J
9.	57-10-3	Hexadecanoic acid	14.239	460	NJ
10.	2467-02-9	Phenol, 2,2'-methylenebis-	14.761	320	NJ
11.	629-54-9	Hexadecanamide	15.623	1100	NJ
12.		Unknown	15.857	360	J
13.	84-64-0	1,2-Benzenedicarboxylic acid	16.058	420	NJ
14.	523-31-9	Dibenzyl phthalate	18.836	520	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6051.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7000	U
111-44-4	bis(-2-Chloroethyl)Ether	7000	U
95-57-8	2-Chlorophenol	7000	U
541-73-1	1,3-Dichlorobenzene	7000	U
106-46-7	1,4-Dichlorobenzene	7000	U
95-50-1	1,2-Dichlorobenzene	7000	U
95-48-7	2-Methylphenol	7000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7000	U
106-44-5	4-Methylphenol	7000	U
621-64-7	N-Nitroso-di-n-propylamine	7000	U
67-72-1	Hexachloroethane	7000	U
98-95-3	Nitrobenzene	7000	U
78-59-1	Isophorone	7000	U
88-75-5	2-Nitrophenol	7000	U
105-67-9	2,4-Dimethyphenol	7000	U
120-83-2	2,4-Dichlorophenol	7000	U
120-82-1	1,2,4-Trichlorobenzene	7000	U
91-20-3	Naphthalene	7000	U
106-47-8	4-Chloroaniline	7000	U
87-68-3	Hexachlorobutadiene	7000	U
111-91-1	bis(-2-Chloroethoxy)methane	7000	U
59-50-7	4-Chloro-3-Methylphenol	7000	U
91-57-6	2-Methylnaphthalene	7000	U
77-47-4	Hexachlorocyclopentadiene	7000	U
88-06-2	2,4,6-Trichlorophenol	7000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	7000	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	7000	U
208-96-8	Acenaphthylene	7000	U
606-20-2	2,6-Dinitrotoluene	7000	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	7000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6051.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	7000	U
121-14-2	2,4-Dinitrotoluene	7000	U
84-66-2	Diethylphthalate	7000	U
7005-72-3	4-Chlorophenyl-phenylether	7000	U
86-73-7	Fluorene	7000	U
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-nitrosodiphenylamine (1)	7000	U
101-55-3	4-Bromophenyl-phenylether	7000	U
118-74-1	Hexachlorobenzene	7000	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	7000	U
120-12-7	Anthracene	7000	U
86-74-8	Carbazole	7000	U
84-74-2	Di-n-butylphthalate	2100	JD
206-44-0	Fluoranthene	550	JD
129-00-0	Pyrene	420	JD
85-68-7	Butylbenzylphthalate	32000	D
91-94-1	3,3'-Dichlorobenzidine	7000	U
56-55-3	Benzo(a)anthracene	7000	U
218-01-9	Chrysene	490	JD
117-81-7	bis(2-Ethylhexyl)phthalate	2500	JD
117-84-0	Di-n-octylphthalate	7000	U
205-99-2	Benzo(b)fluoranthene	7000	U
207-08-9	Benzo(k)fluoranthene	420	JD
50-32-8	Benzo(a)pyrene	7000	U
193-39-5	Indeno(1,2,3-cd)pyrene	7000	U
53-70-3	Dibenzo(a,h)anthracene	7000	U
191-24-2	Benzo(g,h,i)perylene	7000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB6DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6051.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.180	3200	JD
2.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.375	2600	A NJB
3.		Unknown	15.617	1700	JD
4.	523-31-9	Dibenzyl phthalate	18.833	2100	NJD
5.		Unknown	21.597	3100	JD
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No 9

Matrix: (soil/water) SOIL Lab Sam

Sample wt/vol: 30.0 (g/mL) G Lab

Level: (low/med) LOW Date

% Moisture: 18 decanted: (Y/N) N Date E

Concentrated Extract Volume: 500(UL) Date Ar .30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(-2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethyphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	26	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
111-91-1	bis(-2-Chloroethoxy)methane	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	46	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6024.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	35	J
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	61	J
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	51	J
218-01-9	Chrysene	93	J
117-81-7	bis(2-Ethylhexyl)phthalate	72	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	73	J
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6024.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.434	1700	A NJB
2.	Unknown	5.808	810	JB
3.	Unknown	6.319	510	J
4.	Unknown	7.015	600	J
5.	Unknown	10.398	200	J
6. 120-40-1	Dodecanamide, N,N-bis(2-hydr	11.540	230	NJ
7. 7206-25-9	9-Octadecene, (E)-	11.790	400	NJ
8. 1139-30-6	Caryophyllene oxide	12.079	340	NJ
9. 124-25-4	Tetradecanal	13.419	290	NJ
10. 57-10-3	Hexadecanoic acid	14.302	370	NJ
11. 2765-11-9	Pentadecanal-	14.706	360	NJ
12.	Unknown	22.281	1000	J
13.	Unknown	26.087	32000	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6054.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(-2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethyphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	26	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
111-91-1	bis(-2-Chloroethoxy)methane	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	50	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6054.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	37	J
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	58	J
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	52	J
218-01-9	Chrysene	96	J
117-81-7	bis(2-Ethylhexyl)phthalate	81	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	68	J
50-32-8	Benzo(a)pyrene	58	J
193-39-5	Indeno(1,2,3-cd)pyrene	42	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB7RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6054.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/31/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 14

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.401	1600	A NJB
2.		Unknown	5.543	620	J
3.		Unknown	5.744	570	JB
4.		Unknown	6.255	580	J
5.		Unknown	6.953	560	J
6.	11029-06-4	Elemene	10.324	180	NJ
7.	143-07-7	Dodecanoic acid	11.476	230	NJ
8.	6765-39-5	1-Heptadecene	11.722	440	NJ
9.	1139-30-6	Caryophyllene oxide	12.001	320	NJ
10.	544-63-8	Tetradecanoic acid	12.920	230	NJ
11.	124-25-4	Tetradecanal	13.347	300	NJ
12.	57-10-3	Hexadecanoic acid	14.240	470	NJ
13.	638-66-4	Octadecanal	14.641	370	NJ
14.	1599-67-3	1-Docosene	17.214	430	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.:

Matrix: (soil/water) SOIL Lab Samp

Sample wt/vol: 30.0 (g/mL) G Lab File 511

Level: (low/med) LOW Date Rece

% Moisture: 8 decanted: (Y/N) N Date Extra 7/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(-2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethyphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	59	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(-2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	74	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	50	J
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	26	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6025.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	29	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	38	J
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	97	J
86-74-8	Carbazole	38	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	950	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	920	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	910	
53-70-3	Dibenzo(a,h)anthracene	450	
191-24-2	Benzo(g,h,i)perylene	310	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6025.D

Level: (low/med) LOW Date Received: 07/17/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.442	1700	A NJBu
2.	Unknown	4.556	190	J
3.	Unknown	5.366	290	J
4.	Unknown	5.605	960	J
5.	Unknown	5.812	740	JBu
6.	Unknown	6.323	680	J
7.	Unknown	7.025	730	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7063.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/23/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

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 — 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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7063.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/23/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

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
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~0.6~~	JB
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 (1)	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	1	J
117-84-0	Di-n-octylphthalate	3	J
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

001117

FORM I SV-2 OLM03.0

000184

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7063.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/23/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	6.541	5	JB
2.		Unknown	7.047	2	J
3.		Unknown	8.554	3	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7196.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

use -DL result in phenol

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	130	EB
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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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

—UJ

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7196.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

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
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	JB
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 (1)	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	2	J
117-84-0	Di-n-octylphthalate	1	J
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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7196.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.090	2	NJ
2. 111-76-2	Ethanol, 2-butoxy-	5.790	5	NJ
3.	Unknown	5.936	4	J
4.	Unknown	6.279	3	JB
5. 142-62-1	Hexanoic acid	6.382	5	NJ
6.	Unknown	6.474	3	JB
7. 65-85-0	Benzoic Acid	8.399	2	NJ
8. 95-16-9	Benzothiazole	9.291	2	NJ
9. 60-32-2	Aminocaproic Acid	9.410	28	NJ
10.	Unknown	10.253	2	J
11.	Unknown	10.367	2	J
12.	Unknown	10.862	3	J
13. 57-10-3	Hexadecanoic acid	14.230	3	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7213.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/06/96

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.5

Use only for value flags J

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	240	BD J
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	50	U
108-60-1	2,2'-oxybis(1-Chloropropane)	50	U
106-44-5	4-Methylphenol	50	U
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	50	U
120-83-2	2,4-Dichlorophenol	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
111-91-1	bis(-2-Chloroethoxy)methane	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	120	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	120	U
131-11-3	Dimethylphthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U
99-09-2	3-Nitroaniline	120	U
83-32-9	Acenaphthene	50	U

Do not U

FORM I SV-1 OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNE9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7213.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/06/96

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	120	U
100-02-7	4-Nitrophenol	120	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	120	U
534-52-1	4,6-Dinitro-2-methylphenol	120	U
86-30-6	N-nitrosodiphenylamine (1)	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	120	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-octylphthalate	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

-47

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 OLM03.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC0DL

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7213.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/06/96

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	9.360	37	NJD
2.					
3.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7197.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7197.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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	-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	-U-
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-nitrosodiphenylamine (1)	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	2	J	
117-84-0	Di-n-octylphthalate	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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7197.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-76-2	Ethanol, 2-butoxy-	5.790	3	NJ
2.	Unknown	5.938	2	J
3.	Unknown	6.476	2	JB
4. 80-05-7	Phenol, 4,4'-(1-methylethyli	15.800	2	NJ
5.	Unknown	18.630	3	J
6.	Unknown	19.270	4	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7199.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7199.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	JB
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 (1)	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-octylphthalate	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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7199.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.090	2	NJ
2. 111-76-2	Ethanol, 2-butoxy-	5.789	5	NJ
3.	Unknown	5.935	4	J
4. 142-62-1	Hexanoic acid	6.365	2	NJ
5.	Unknown	6.473	2	JB
6. 60-32-2	Aminocaproic Acid	9.398	6	NJ
7.	Unknown	10.860	2	J
8. 57-10-3	Hexadecanoic acid	14.237	3	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7200.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNE9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7200.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

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	-U5
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	-U5
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-nitrosodiphenylamine (1)	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-octylphthalate	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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC2RE

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7200.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.090	2	NJ
2. 111-76-2	Ethanol, 2-butoxy-	5.789	4	NJ
3.	Unknown	5.936	3	J
4.	Unknown	6.473	2	JB
5. 60-32-2	Aminocaproic Acid	9.398	4	NJ
6. 57-10-3	Hexadecanoic acid	14.239	2	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7201.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC3 -

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7201.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

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	-47
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	-47
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-nitrosodiphenylamine (1)	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-octylphthalate	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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBNC3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7201.D

Level: (low/med) LOW Date Received: 07/13/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/05/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-76-2	Ethanol, 2-butoxy-	5.790	3	NJ
2.	Unknown	5.932	2	J
3.	Unknown	6.280	3	JB
4.				
5.				
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAA

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6014.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

001480

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKAA

Lab Name: ATAS, INC. Contract: 68-D5-0016

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN89

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6014.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.429	1200	ANJ
2.		Unknown	5.807	350	J
3.					
4.					
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001481

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKEJ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 071696-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7050.D

Level: (low/med) LOW Date Received: / /

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/23/96

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	2	J
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
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
111-91-1	bis(-2-Chloroethoxy)methane	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	Dimethylphthalate	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKEJ

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN89

Matrix: (soil/water) WATER Lab Sample ID: 071696-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: EE7050.D

Level: (low/med) LOW Date Received: / /

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/23/96

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
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
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 (1)	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	0.5	J
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-octylphthalate	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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKEV

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 073096-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7248.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 08/14/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(-2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(-2-Chloroethoxy)methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKEV

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: C73096-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7248.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500 (UL) Date Analyzed: 08/14/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	20	J
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	37	J
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKEV

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 073096-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EE7248.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/30/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/14/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.025	1100	ANJ
2.	Unknown	6.154	170	J
3. 142-62-1	Hexanoic acid	6.290	68	NJ
4.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAA

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AA6014.D

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/24/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 07/29/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(-2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(-2-Chloroethoxy)methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

GC Column(1): CP-SIL19CB ID: 0.32(mm) GC Column(2): DB-17 ID: 0.32(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK1P	62	77	49	55			0
02	EBNB9	64	78	33	38			0
03	EBNB9MS	62	78	28*	33			1
04	EBNB9MSD	59	73	26*	31			1
05	EBNC0	48	52	23*	25*			2
06	EBNC1	59	74	32	36			0
07	EBNC2	52	60	20*	20*			2
08	EBNC3	72	84	44	53			0
09								
10								
11								
12								
13								
14								
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29								
30								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

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FORM II PEST-1 OLM03.0

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

GC Column(1): DB-1701 ID: 0.32(mm) GC Column(2): DB-17 ID: 0.32(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK5A	111	88	62	63			0
02	PBLK5B	53	51	38	38			0
03	EBNA7	121	94	63	64			0
04	EBNA7MS	113	90	64	66			0
05	EBNA7MSD	148	123	76	77			0
06	EBNA8	113	93	58	59			0
07	EBNA9	105	86	53	60			0
08	EBNB0	114	96	53	59			0
09	EBNB1	114	97	57	60			0
10	EBNB2	108	87	57	59			0
11	EBNB3	100	74	57	59			0
12	EBNB4	122	98	65	68			0
13	EBNB5	132	112	78	80			0
14	EBNB6	124	94	96	146			0
15	EBNB6DL	126	86	225D	156D			0
16	EBNB7	122	97	66	66			0
17	EBNB8	130	98	90	93			0
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

001038

000213

FORM II PEST-2

OLM03.0

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix Spike - EPA Sample NO.: EBNB9

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	0.500	0	0.628	126 *	56-123
Heptachlor	0.500	0	0.514	103	40-131
Aldrin	0.500	0	0.459	92	40-120
Dieldrin	1.00	0	1.24	124	52-126
Endrin	1.00	0	1.52	152 *	56-121
4,4'-DDT	1.00	0	0.918	92	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	0.500	0.373	74	52 *	15	56-123
Heptachlor	0.500	0.306	61	51 *	20	40-131
Aldrin	0.500	0.239	48	63 *	22	40-120
Dieldrin	1.00	0.744	74	50 *	18	52-126
Endrin	1.00	0.890	89	52 *	21	56-121
4,4'-DDT	1.00	0.488	49	61 *	27	38-127

Column to be used to flag recovery values

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

Comments:

001693

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix Spike - EPA Sample NO.: EBNA7

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	20.6	0	18.2	89	46-127
Heptachlor	20.6	0	16.7	81	35-130
Aldrin	20.6	0	20.1	98	34-132
Dieldrin	41.2	0	40.7	99	31-134
Endrin	41.2	0	45.1	110	42-139
4,4'-DDT	41.2	0	42.0	102	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	20.6	27.9	135 *	41	50	46-127
Heptachlor	20.6	23.8	116	36 *	31	35-130
Aldrin	20.6	29.7	144 *	38	43	34-132
Dieldrin	41.2	58.4	142 *	36	38	31-134
Endrin	41.2	64.5	157 *	35	45	42-139
4,4'-DDT	41.2	56.6	137 *	29	50	23-134

Column to be used to flag recovery values

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 5 out of 12 outside limits

Comments:

001760

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1P

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab Sample ID: 071696-01 Lab File ID: 1_3176

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 07/16/96

Date Analyzed (1): 07/29/96 Date Analyzed (2): 07/29/96

Time Analyzed (1): 2155 Time Analyzed (2): 2155

Instrument ID (1): HP_01A Instrument ID (2): HP_01B

GC Column (1): CP-SIL19CB ID: 0.32(mm) GC Column (2): DB-17 ID: 0.32(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EBNB9	16224.01	07/29/96	07/29/96
02	EBNB9MS	16224.02	07/29/96	07/29/96
03	EBNB9MSD	16224.03	07/29/96	07/29/96
04	EBNC0	16224.04	07/30/96	07/30/96
05	EBNC1	16224.05	07/30/96	07/30/96
06	EBNC2	16224.06	07/30/96	07/30/96
07	EBNC3	16224.07	07/30/96	07/30/96
08				
09				
10				
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Comments:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK5A

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab Sample ID: 072496-01 Lab File ID: 5_4185

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 07/24/96

Date Analyzed (1): 08/14/96 Date Analyzed (2): 08/14/96

Time Analyzed (1): 2010 Time Analyzed (2): 2010

Instrument ID (1): HP_05A Instrument ID (2): HP_05B

GC Column (1): DB-1701 ID: 0.32(mm) GC Column (2): DB-17 ID: 0.32(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EBNA7	16265.01	08/14/96	08/14/96
02	EBNA7MS	16265.02	08/14/96	08/14/96
03	EBNA7MSD	16265.03	08/14/96	08/14/96
04	EBNA8	16265.04	08/14/96	08/14/96
05	EBNA9	16265.05	08/14/96	08/14/96
06	EBNB0	16265.06	08/14/96	08/14/96
07	EBNB2	16265.08	08/15/96	08/15/96
08	EBNB3	16265.09	08/15/96	08/15/96
09	EBNB4	16265.10	08/15/96	08/15/96
10				
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Comments:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK5B

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Lab Sample ID: 081496-01 Lab File ID: 5_4156

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) Y Date Extracted: 08/14/96

Date Analyzed (1): 08/14/96 Date Analyzed (2): 08/14/96

Time Analyzed (1): 2040 Time Analyzed (2): 2040

Instrument ID (1): HP_05A Instrument ID (2): HP_05B

GC Column (1): DB-1701 ID: 0.32(mm) GC Column (2): DB-17 ID: 0.32(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EBNB1	16265.07	08/15/96	08/15/96
02	EBNB5	16265.11	08/15/96	08/15/96
03	EBNB6	16265.12	08/15/96	08/15/96
04	EBNB6DL	16265.12	08/15/96	08/15/96
05	EBNB7	16265.13	08/15/96	08/15/96
06	EBNB8	16265.14	08/15/96	08/15/96
07				
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Comments:

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.01

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

% Moisture: 19 decanted: (Y/N) N Date Received: 07/~~18~~ 17/96 TS 8-2c-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	1.4	PJ
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	0.60	PJ
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	2.2	PJ
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.04

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

% Moisture: 3 decanted: (Y/N) N Date Received: 07/1~~8~~7/96 8-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.4	U
7421-93-4	Endrin aldehyde	3.4 ~~0.97~~	~~PJ~~ U SR 9/12/96
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.35	PJ
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNA9 -

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.05

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

% Moisture: 19 decanted: (Y/N) N Date Received: 07/18/96 7 BS-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	2.3	PJ
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1 ~~0.71~~	~~PJ~~ 5 9/12
72-43-5	Methoxychlor	1.8	PJ
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	6.6	
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

001742

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.06

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

% Moisture: 20 decanted: (Y/N) N Date Received: 07/~~16~~ 17/96 B8-209

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	0.49	PJ *
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	6.6	P
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	0.96	PJ
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.07

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

% Moisture: 36 decanted: (Y/N) N Date Received: 07/~~16~~ 12/96 8-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	0.78	PJ
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	2.6	J
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.2	U
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	5.4	P
5103-74-2	gamma-Chlordane	4.3	
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

001733

000223

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.08

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

% Moisture: 14 decanted: (Y/N) N Date Received: 07/~~16~~ 17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96 BI-2096

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	0.44	PJ
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	0.71	PJ
72-43-5	Methoxychlor	0.94	PJ
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	4.0	P
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

001807

000224

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix:- (soil/water) SOIL Lab Sample ID: 16265.09

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

% Moisture: 38 decanted: (Y/N) N Date Received: 07/~~18~~/96 17 15-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.3	U
72-55-9	4,4'-DDE	5.3	U
72-20-8	Endrin	5.3	U
33213-65-9	Endosulfan II	5.3	U
72-54-8	4,4'-DDD	5.3	U
1031-07-8	Endosulfan sulfate	5.3	U
50-29-3	4,4'-DDT	5.3	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.3	U
7421-93-4	Endrin aldehyde	5.3	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	53	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	53	U
53469-21-9	Aroclor-1242	53	U
12672-29-6	Aroclor-1248	53	U
11097-69-1	Aroclor-1254	53	U
11096-82-5	Aroclor-1260	53	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB4

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.10

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

% Moisture: 12 decanted: (Y/N) N Date Received: 07/~~18~~ 17/96 TS-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	0.42	PJ
60-57-1	Dieldrin	3.8 ~~0.54~~	~~PJ~~
72-55-9	4,4'-DDE	3.8 ~~0.90~~	~~PJ~~
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	1.4	J
72-54-8	4,4'-DDD	0.65	J
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	1.6	PJ
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	6.4	P
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB5

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.11

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

% Moisture: 10 decanted: (Y/N) N Date Received: 07/~~18~~/96 17 TS 8-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.71	PJ
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.8	J
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	8.7 ~~3.4~~	~~PJ~~ U
72-55-9	4,4'-DDE	2.4	PJ
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	5.4	
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	8.8	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

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

% Moisture: 6 decanted: (Y/N) N Date Received: 07/~~28~~17/96 B 8-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	830	
11096-82-5	Aroclor-1260	1200	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB6DL-

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.12

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

% Moisture: 6 decanted: (Y/N) N Date Received: 07/~~18~~/96 17 TS 8-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	7.2	U
319-85-7	beta-BHC	7.2	U
319-86-8	delta-BHC	7.2	U
58-89-9	gamma-BHC (Lindane)	7.2	U
76-44-8	Heptachlor	7.2	U
309-00-2	Aldrin	7.2	U
1024-57-3	Heptachlor epoxide	7.2	U
959-98-8	Endosulfan I	7.2	U
60-57-1	Dieldrin	14	U
72-55-9	4,4'-DDE	14	U
72-20-8	Endrin	14	U
33213-65-9	Endosulfan II	14	U
72-54-8	4,4'-DDD	14	U
1031-07-8	Endosulfan sulfate	14	U
50-29-3	4,4'-DDT	14	U
72-43-5	Methoxychlor	72	U
53494-70-5	Endrin ketone	14	U
7421-93-4	Endrin aldehyde	14	U
5103-71-9	alpha-Chlordane	7.2	U
5103-74-2	gamma-Chlordane	7.2	U
8001-35-2	Toxaphene	720	U
12674-11-2	Aroclor-1016	140	U
11104-28-2	Aroclor-1221	280	U
11141-16-5	Aroclor-1232	140	U
53469-21-9	Aroclor-1242	140	U
12672-29-6	Aroclor-1248	140	U
11097-69-1	Aroclor-1254	850	D
11096-82-5	Aroclor-1260	1400	D

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB7

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix:- (soil/water) SOIL Lab Sample ID: 16265.13

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

% Moisture: 18 decanted: (Y/N) N Date Received: 07/~~15~~/96 17 TSG-20-96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	0.77	PJ
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	170	P
11096-82-5	Aroclor-1260	40	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB8

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 16265.14

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

% Moisture: 8 decanted: (Y/N) N Date Received: 07/~~25~~/96 17 8-20 96 TS

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.42	J
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	4.4	
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	84 ~~2.8~~	~~PJ~~ 5 9/12/
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	7.5	P
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	2.3	P
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNB9

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) __ Date Received: 07/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/29/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC0

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) __ Date Received: 07/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0051	PJ
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC1

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) __ Date Received: 07/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0095	PJ
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC2

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) __ Date Received: 07/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0082	PJ
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

UJ

J

UJ

000235

002102

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBNC3

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 16224.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) __ Date Received: 07/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0092	PJ
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1P

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) WATER Lab Sample ID: 071696-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/16/96

Concentrated Extract Volume: 10000(uL) Date Analyzed: 07/29/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK5A

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBNB9

Matrix: (soil/water) SOIL Lab Sample ID: 072496-01

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

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK5B

Lab Name: ATAS, INC. Contract: 68-D5-0018

Lab Code: ATAS Case No.: 24833 SAS No.: SDG No.: EBN39

Matrix: (soil/water) SOIL Lab Sample ID: 081496-01

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

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/14/96

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U