WASHINGTON STATE DEPARTMENT OF ECOLOGY
ENVIRONMENTAL INVESTIGATIONS AND LABORATORY SERVICES

June 12, 1989

TO: Mike Kuntz - HWICP

FROM: Laura Chern - EILS

SUBJECT: Restover Truck Stop: Sampling Round 2

Introduction

The second round of quarterly sampling at the Restover Truck Stop was completed by Ecology on January 9-11, 1989. Twelve monitoring wells were sampled for volatile organic compounds (VOCs), nitrate + nitrite, chloride, and dissolved iron. Figure 1 shows the monitoring and water supply well locations for the site. This memo summarizes field observations, sampling procedures, and VOC sample analytical results. Data for nitrate + nitrite, chloride, and dissolved iron will be presented in a subsequent memo as they are received.

Field Observations

On January 9, 1989, prior to sample collection, static water level measurements were obtained from 18 monitoring wells using an electric probe (see Table 1). Figure 2 shows the locations of the wells measured and the potentiometric surface in the upper aquifer. Figure 3 is a three point analysis of flow direction in the lower aquifer. Ground water flow directions and vertical gradients vary from those observed during the first round of sample collection by Ecology in October, 1988. Flow in the upper aquifer was north during sampling round one in October and northwest during sampling round two. Lower aquifer flow changed from five degrees west of north to north between October, 1988 and January, 1989. Downward vertical gradients from the upper to lower aquifer were 0.009 between MW-20A and MW-21 and 0.08 between MW-15A and MW-16 during the first round of sampling. The vertical, downward gradient observed during sampling round two between the two aquifers was 0.008 between MW-20A and MW-21. There was no measurable vertical gradient between wells MW-15A and MW-16.

Figure 1: Restover Truck Stop
Round 2
Monitoring Well Locations
January, 1989

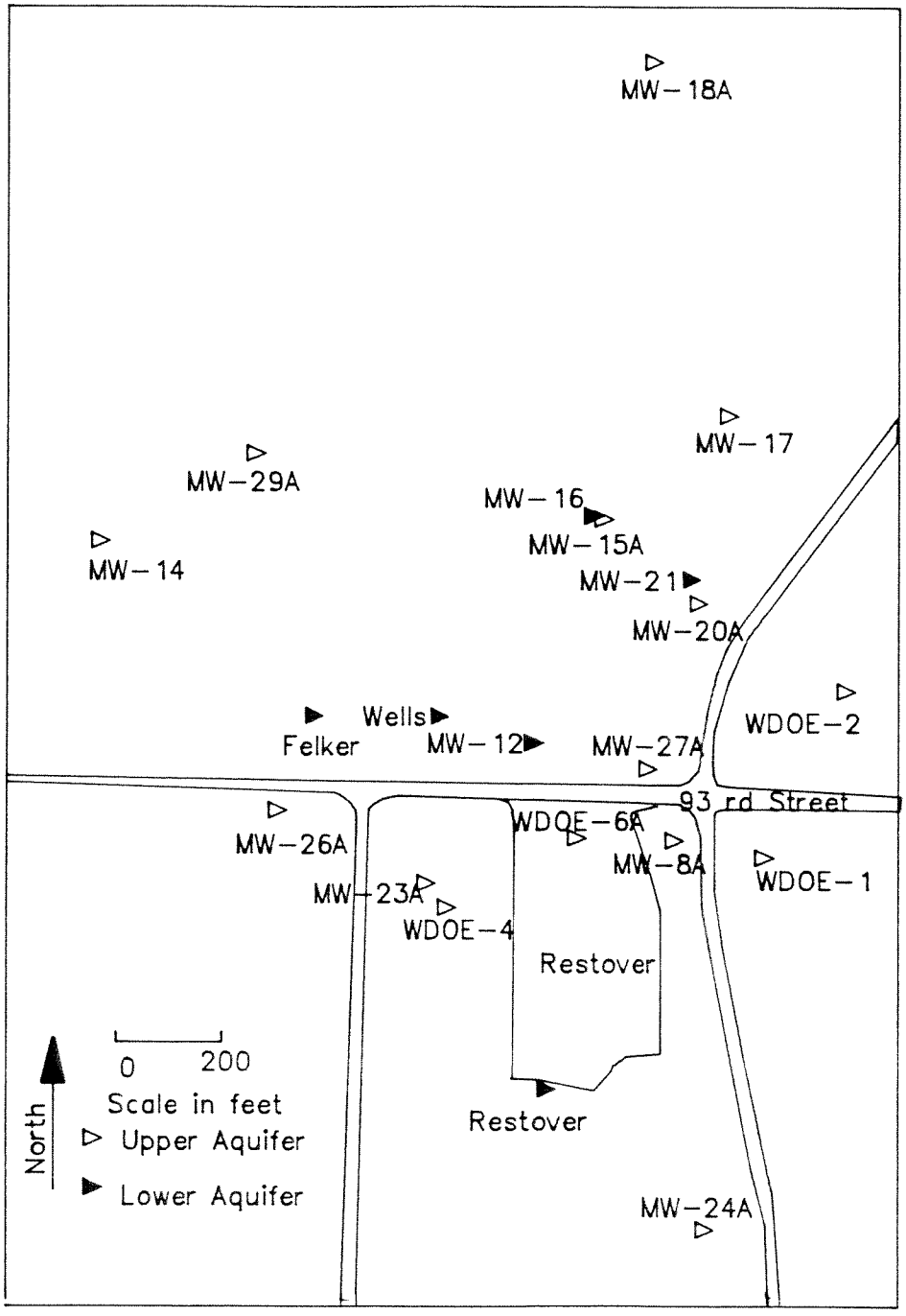

Figure 2: Restover Truck Stop
Water Table Surface
January, 1989

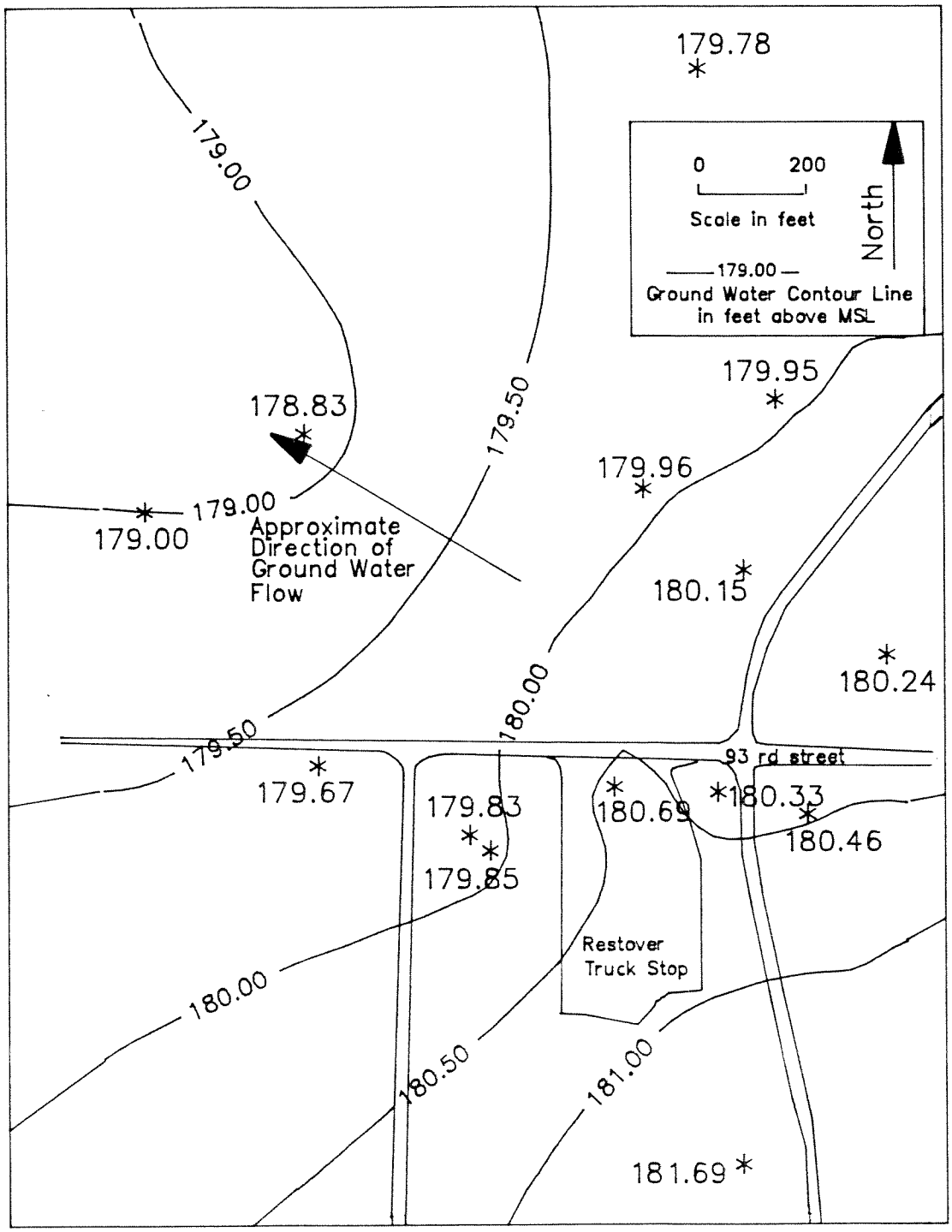

Figure 3: Restover Truck Stop
Ground Water Flow in the Lower Aquifer
January, 1989

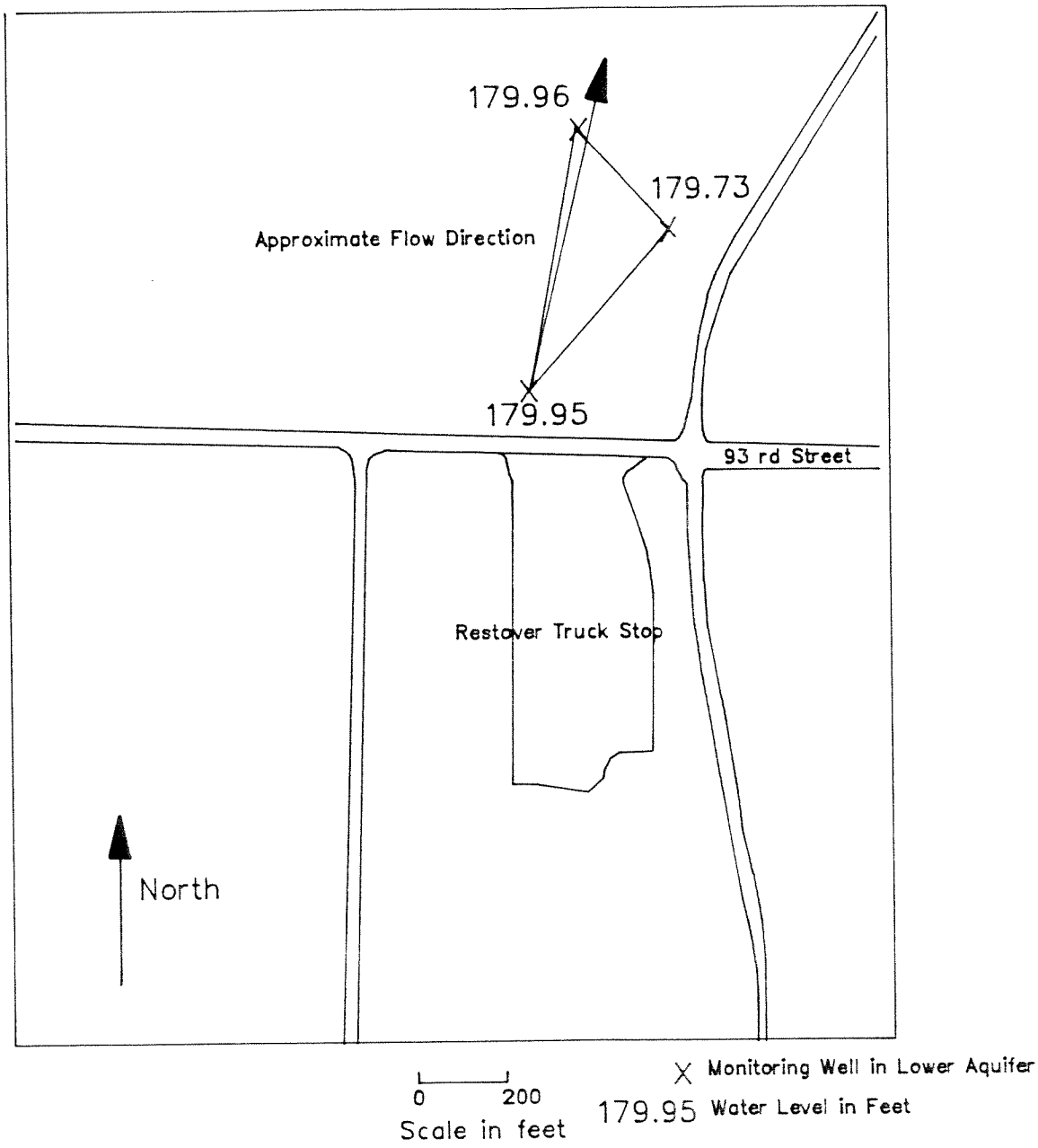

Table 1: Static Water Elevations in Monitoring Wells
January 9, 1989

Well ID	Elevation Feet above MSL	Aquifer (Upper/Lower)
MW-12	179.95	L
MW-16	179.96	L
MW-21	179.73	L
WDOE-1	180.46	U
WDOE-2	180.24	U
WDOE-4	179.85	U
WDOE-6A	180.69	U
MW-8A	180.33	U
MW-14	179.00	U
MW-15A	179.96	U
MW-17	179.95	U
MW-18A	179.78	U
MW-20A	180.15	U
MW-23A	179.83	U
MW-24A	181.69	U
MW-26A	179.67	U
MW-27A	DRY	U
MW-29A	178.83	U

Hydrocarbon odor and sheens were observed in purge water from WDOE-6A, MW-8A, and MW-12. MW-15A, MW-17, MW-26A, and MW-29A all contained significant sediment after purging approximately 20 well volumes. Because it is possible that the casing has deteriorated, the integrity of these wells should be investigated.

Sampling Procedures

On January 10 and 11, 1989, ground water samples were collected from 12 wells located on and adjacent to the Restover site. Field parameters and static water levels are presented in Table 3 in the order wells were sampled. Wells screened in the lower aquifer were sampled first. Wells screened in the upper aquifer were then sampled in order from lower to higher contaminant levels based on round one analytical results. Monitoring wells were purged using a centrifugal pump until pH, conductivity, and temperature measurements were stable. At least three well volumes were removed from all wells prior to sampling. Purge water was stored on-site in sealed 55 gallon drums until volatiles could be removed using an activated carbon filter (ACF). Samples were collected from monitoring wells using bottom-emptying teflon bailers.

The Felker, Wells, and Restover water supply wells were purged by running the pumps until field parameters were stable. At least three well volumes were removed from each well prior to sampling. Dissolved iron samples were field filtered using QED 0.45 micron disposable in-line filters and preserved with Ultrex nitric acid to a pH less than 2. VOC bottles were filled so that no air remained in the vials. All samples were stored at 4 degrees Centigrade.

Table 3: Field Sampling Results

Well ID	pH	Specific Conductance	Total Depth to Water (ft)	Purge** Volume (gal)	Aquifer (Upper/Lower)
Restover	6.27	115	16.52	-*	L
Wells	6.39	120	-*	-*	L
MW-16	6.07	62	13.76	25	L
MW-15A	5.75	118	13.55	6	U
Felker	6.17	85	13.90	-*	L
MW-12	6.37	138	15.30	45	L
MW-18A	5.92	36	13.48	40	U
MW-26A	6.13	60	13.59	30	U
MW-29A	6.31	120	13.22	25	U
MW-17	6.25	60	13.68	30	U
MW-8A	6.34	240	17.49	7	U
WDOE-6A	6.63	350	15.15	25	U

* Measurements were not obtained at these sites.
** At least three well volumes purged.

Decontamination Procedures

Sampling equipment was decontaminated using a Liquinox wash, three tap rinses, and one deionized water rinse. All teflon bailers were rinsed with nitric acid, methylene chloride, and acetone. Transfer blanks were obtained to determine the effectiveness of the decontamination procedure. The peristaltic pump and disposable filters used for iron filtration were rinsed between samples using 500 ml of a 10 percent nitric acid solution, followed by 500 ml of deionized water.

Quality Assurance/Quality Control

Six quality control samples were collected including a duplicate, replicate, matrix spike, and transfer, transport, and filter blanks. Duplicate samples MW-18A and MW-18C and replicate sample MW-18B, collected one day later, were obtained from monitoring well MW-18A. Monitoring well MW-18A was chosen because low levels of contamination have been detected in previous sampling rounds.

Transfer blanks for VOCs, chloride, nitrate + nitrite, and dissolved iron were obtained by pouring organic free water through the bailer and collecting the rinsate in the sample containers. A separate filter blank for dissolved iron was obtained by pumping organic free water through the peristaltic pump and disposable filter. After sampling was completed at WDOE-6A, a VOC sample was collected to determine the effectiveness of the ACF system for cleaning purge water. The purge water was pumped through the AFC system and collected into a VOC bottle. Purge water from WDOE-6A was chosen because it has shown the highest concentrations of VOCs in the past. Stuart Magoon of the Manchester Laboratory reviewed VOC data and found them to be within QA/QC limits with the exception of d8-toluene. For samples MW-15A and MW-16, the Restover and Felker supply wells, and the transfer and ACF blanks, d8-toluene recovery was slightly above QC limits. This is attributed to water vapor getting into the gas chromatograph column. Water elutes at the same time as toluene and can cause a problem with recoveries. Because, with the exception of MW-16, native toluene was not found in samples where surrogates were outside of the EPA QC limits, no further action needed to be taken.

Sample Analytical Results

Analytical results for benzene, toluene, ethyl benzene, and total xylene (BTEX) are presented in Table 4; Appendix A lists the detection limits and matrix spike recoveries.

Table 4: Volatile Organic Compounds Analytical Results (ug/L)

Well ID	Benzene	Toluene	Ethyl Benzene	Total Xylene
Lower Aquifer	ND	ND	ND	ND
Restover	ND	ND	ND	ND
Felker	ND	ND	ND	ND
Wells	ND	ND	ND	ND
MW-12	ND	ND	ND	ND
MW-16	ND	0.9	ND	ND
Upper Aquifer	ND	ND	ND	ND
MW-18A	ND	ND	ND	ND
MW-17	ND	ND	ND	ND
MW-29A	ND	ND	ND	ND
MW-26A	ND	ND	ND	ND
MW-15A	ND	ND	ND	ND
MW-8A	ND	4	ND	330
WDOE-6A	1800	4800	1400	20000

Table 5 shows BTEX concentrations for sampling events between May 1987 and January 1989.

Table 5: Restover Truck Stop BTEX Concentrations (ug/L)

Well ID	May 1987	September 1987	October 1988	January 1989
Upper Aquifer				
WDOE-6A	6950	1180	5300	28000
MW-8A	230	388	479	334
MW-17	ND	ND	ND	ND
MW-18A	5	ND	ND	ND
MW-26A	ND	ND	ND	ND
MW-29A	ND	0.8	1.3	ND
Lower Aquifer				
MW-12	53	5	7.7	ND
MW-16	ND	0.5	ND	0.9
Restover	NT	NT	ND	ND

NT-Not Tested
ND-Not Detected

BTEX concentrations in monitoring wells screened in the upper aquifer have remained stable within an order of magnitude over the two year period with the exception of WDOE-6A. WDOE-6A, located near the truck bays, shows increased BTEX in the January, 1989 sampling round. It is possible that a recent spill, underground tank leak, or surface water runoff into the monitoring well resulted in the elevated BTEX found during sampling round two. In addition to BTEX, 210 ppb 2-Butanone was detected in MW-8A.

Contamination in the lower aquifer is still present in low concentrations. MW-16, screened in the lower aquifer, showed 0.9 ppb toluene; it has shown no contamination in the past. MW-12, also screened in the lower aquifer, showed no BTEX contamination in sample round two. In the past, MW-12 has shown low concentrations of BTEX.

Methylene chloride and acetone were detected in several monitoring wells. Methylene chloride was also detected in transfer, transport, and method blanks. Acetone was detected in transfer and method blanks. Both compounds are common laboratory contaminants and were used for bailer decontamination. Bailer decontamination in round three scheduled for July, 1989 will include a final rinse with organic free water to ensure that methylene chloride and acetone are not present. No VOCs were detected in the sample obtained from the AFC, indicating that this method of purge water disposal is acceptable.

Conclusions

1. WDOE-6A is showing higher concentrations of BTEX than it has in the past. This may be attributed to a recent spill, underground storage tank leakage, or surface water runoff into the monitoring well.

2. Contamination in the lower aquifer appears to be present, but until the type of contamination in MW-12 can be identified, extent of the contaminant plume is uncertain.

Recommendations

1. A hydrocarbon analysis should be run on MW-12 samples to determine what is causing the strong hydrocarbon odor. It is possible that diesel fuel is present at this location. Presence of diesel would explain the strong odor and low concentrations of shorter chain hydrocarbons such as BTEX.

2. If monitoring well WDOE-6A continues to show high levels of BTEX contamination in future sampling rounds, Restover's underground storage tanks should be checked for leaks.

3. Monitoring wells MW-15A, MW-17, MW-26A, and MW-29A should be checked to determine their integrity.

LC:pb

cc: Mike Gallagher
Bill Yake
Files

Appendix A

State of Washington Department of Ecology
Manchester Environmental Laboratory
P.O Box 307 Manchester, WA. 98353

Data Review

March 16, 1989

Project : Restover

Samples : 028230-47

Laboratory: Weyerhaeuser Technical Center 18869

By: Stuart Magoon SM

VOA Fraction (water)

Holding Times:

Sample	Date Collect	Date Man Lab Rec'd	Date Cntr Lab Rec'd	Date Extd	Date Anlz	#Days From Collect
028230 Restover	1/10	1/11	1/13	NA	1/17	8 of 14
028231 Felker	1/10	1/11	1/13	NA	1/17	8 of 14
028232 Wells	1/10	1/11	1/13	NA	1/18	9 of 14
028233 MW-12	1/10	1/11	1/13	NA	1/18	9 of 14
028234 MW-16	1/10	1/11	1/13	NA	1/18	9 of 14
028235 MW-18A	1/10	1/11	1/13	NA	1/18	9 of 14
028236 MW-18C	1/10	1/11	1/13	NA	1/18	9 of 14
028237 MW-18D	1/10	1/11	1/13	NA	1/19	10 of 14
028238 MW-18B	1/10	1/11	1/13	NA	1/18	9 of 14
028239 MW-17	1/11	1/12	1/13	NA	1/19	9 of 14
028240 MW-29A	1/11	1/12	1/13	NA	1/20	10 of 14
028241 MW-26A	1/11	1/12	1/13	NA	1/20	10 of 14
028242 WDOE-6A	1/11	1/12	1/13	NA	1/23	13 of 14
028243 MW-15A	1/10	1/11	1/13	NA	1/20	10 of 14
028244 MW-8A	1/11	1/12	1/13	NA	1/23	13 of 14
028245 Transport	1/11	1/12	1/13	NA	1/23	13 of 14
028246 Transfer	1/11	1/12	1/13	NA	1/20	10 of 14
028247 ACF Blank	1/11	1/12	1/13	NA	1/20	10 of 14

These samples have met all the CLP holding time requirements.

Surrogates: Surrogate recoveries for these samples, matrix spikes, and the method blanks are within the CLP recovery limits, with the exception of d8-Toluene for several of the samples in which the recovery was slightly above the QC limit. See case narrative for explanation.

Matrix Spike & Matrix Spike Duplicate (MS/MSD): Matrix spike/spike duplicate recoveries and precision data are acceptable and within CLP limits.

Sample Data This data is acceptable for use without the need for additional qualifiers. Sample 028246, the transfer blank, had high levels of Acetone and Methylene Chloride. This sample was rerun in order to quantitate within the linear range. Use the Diluted rerun for the Acetone and Methylene Chloride values.

Weyerhaeuser

Tacoma, Washington 98477
Tel (206) 924 2345

CASE NARRATIVE

WEYERHAEUSER
ANALYTICAL AND TESTING SERVICES

Eighteen water samples were received in our laboratory January 13, 1989. The requested analysis was as follows with the client sample numbers and the WTC sample numbers listed:

Client ID	WTC ID	Requested Analysis
028230	23384	VOA
028231	23385	VOA
028232	23386	VOA
028233	23387	VOA
028234	23388	VOA
028235	23389	VOA
028236	23390	VOA
028237	23391	VOA
028238	23392	VOA
028239	23393	VOA
028240	23394	VOA
028241	23395	VOA
028242	23396	VOA
028243	23397	VOA
028244	23398	VOA
028245	23399	VOA
028246	23400	VOA
028247	23401	VOA

The request for analysis also stated that we run duplicate matrix spikes on one sample other than 028245, 023246, or 028247.

1. VOA

   a. Several samples required a dilution in order to analyze the sample within the quantitation range. When this was done, both results are included in the report.

   b. The surrogate recoveries for toluene were outside the EPA ranges for several of the samples. For three of the samples, the rerun was also outside the QA limits and therefore is suspected to be matrix effects. The other samples were within EPA limits on the rerun. Both sets of data are included. Our laboratory suspects that the toluene problem is caused by water vapor on the trap getting onto the GC column. Water elutes at

the same time as toluene and therefore causes a problem with recoveries. Because native toluene was not found in either of the three runs that the surrogates remained outside of the EPA ranges, no further action was taken. Our laboratory has taken measures to correct this problem for future analysis.

Please feel free to contact me with any questions concerning this data report. I can be reached at (206) 924-6242.

Sincerely,

Dennis Catalano
Organic Laboratory Manager
Weyerhaeuser Analytical & Testing Services

FLAG QUALIFIERS DESCRIPTION

U Indicates compound was analyzed for but not detected.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.

C This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B Indicates the compound was found in the blank as well as the sample.

E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.

X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

DATA SUMMARY

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

	EPA SAMPLE NO.	S1 (TOL)	#	S2 (BFB)	#	S3 (DCE)	#	OTHER	TOT OUT
01	028230	133	*	101		93			1
02	028230-RERUN	119	*	105		96			1
03	028231	125	*	99		92			1
04	028231-RERUN	134	*	102		100			1
05	028232	110		103		96			0
06	028233-MW12	107		105		102			0
07	028234-MW16	115	*	100		95			1
08	028234-RERUN	104		99		94			0
09	028235-MW18A	110		103		98			0
10	028236-MW18C	109		99		95			0
11	028237-MW18D	115	*	99		94			1
12	028237-RERUN	115	*	104		95			1
13	028237MS	101		101		92			0
14	028237MSD	103		99		94			0
15	028238-MW18B	104		102		94			0
16	028239-MW17	105		98		95			0
17	028240-MW29A	109		105		95			0
18	028241-MW26A	106		100		96			0
19	028242	89		102		92			0
20	028243-MW15A	121	*	98		95			1
21	028243-RERUN	97		96		90			0
22	028244-MW8A	92		102		93			0
23	028244-RERUN	88		103		98			0
24	028245	107		102		93			0
25	028246	121	*	99		95			1
26	028246-RERUN	95		92		86			0
27	028247-GCF-B	83	*	81	*	77			2
28	028247GCF-BK	102		101		99			0
29	METHOD-BLANK	104		104		94			0
30	METHOD-BLANK	110		108		107			0

	QC LIMITS
S1 (TOL) = Toluene-d8	(88-110)
S2 (BFB) = Bromofluorobenzene	(86-115)
S3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2A

WATER VOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	METHOD-BLANK	110	110	105		0
02	METHOD-BLANK	104	104	102		0
03	METHOD-BLANK	102	97	93		0
04	METHOD-BLANK	89	99	92		0

		QC LIMITS
S1 (TOL)	= Toluene-d8	(88-110)
S2 (BFB)	= Bromofluorobenzene	(86-115)
S3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix Spike - EPA Sample No.: 028237-MW18D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	42.7	85	61-145
Trichloroethene	50.0	0	50.0	100	71-120
Benzene	50.0	0	50.1	100	76-127
Toluene	50.0	0	52.0	104	76-125
Chlorobenzene	50.0	0	51.8	104	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	46.5	93	-9	14	61-145
Trichloroethene	50.0	52.7	105	-5	14	71-120
Benzene	50.0	55.2	110	-10	11	76-127
Toluene	50.0	59.3	119	-13	13	76-125
Chlorobenzene	50.0	54.5	109	-5	13	75-130

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

Values outside of QC limits

PD: 0 out of 5 outside limits
pike Recovery: 0 out of 10 outside limits

OMMENTS: 5ML #23391 DOE#028237 MW18D RESTOVER 1/10
10'/5MIN-6'MIN-180

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.
028230
Restover

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23384

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0117A

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/17/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028230
Restover

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23384

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0117A

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/17/89

olumn (pack/cap) CAP Dilution Factor: 1.0

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.

028230-RERUN
Restover

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23384-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0117C

Level: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/17/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028230-RERUN
Restover

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23384-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0117C

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/17/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028231 Spencer

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23385

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0117B

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/17/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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	0.8	BJ
67-64-1	Acetone	0.8	BJX
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DSE or ~~EPA~~ SAMPLE NO.

028231
Spencer

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23385

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0117B

Level: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/17/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DJE 5/4

~~EPA~~ SAMPLE NO.

028231-RERUN Spencer

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23385

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0118A

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

olumn: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	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	1 J
67-64-1	Acetone	10 U
75-15-0	Carbon disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-35-3	1,1-Dichloroethane	5 U
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon tetrachloride	5 U
108-05-4	Vinyl acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028231-RERUN
Spencer

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23385

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118A

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.

028232

Nells

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23386

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0118B

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/18/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028232 Wells

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23386

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118B

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028233-MW12

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23387

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118C

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028233-MW12

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23387

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118C

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

028234-MW16

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23388

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0118D

Level: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	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	0.9 J
67-64-1	Acetone	1 JX
75-15-0	Carbon disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-35-3	1,1-Dichloroethane	5 U
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon tetrachloride	5 U
108-05-4	Vinyl acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	0.9 J
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE SA
~~EPA~~ SAMPLE NO.

028234-MW16

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23388

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118D

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028234-RERUN

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23388-RERUN

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118F

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

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	0.8	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	0.8	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028234-RERUN

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23388-RERUN

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118F

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ DOE SAMPLE NO.

028235-MW18A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23389

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0118E

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/18/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		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	1	J
67-64-1	Acetone	2	J
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE SK
~~EPA~~ SAMPLE NO.

028235-MW18A

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23389

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118E

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

nber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DoE ~~EPA~~ SAMPLE NO.

028236-MW18C

Name: WEYERHAEUSER Contract: MAGOON

Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

rix: (soil/water) WATER Lab Sample ID: 23389

ple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118G

el: (low/med) LOW Date Received: 01/13/89

oisture: not dec. ____ Date Analyzed: 01/18/89

umn: (pack/cap) CAP Dilution Factor: 1.0

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	0.9	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ DOE SAMPLE NO.

028236-MW18C

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23389

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118G

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DO ESU

~~EPA~~ SAMPLE NO.

028237-MW18D

Name: WEYERHAEUSER Contract: MAGOON

Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

rix: (soil/water) WATER Lab Sample ID: 23391

ple wt/vol: 5.0 (g/mL) ML Lab File ID: V0119A

el: (low/med) LOW Date Received: 01/13/89

oisture: not dec. _____ Date Analyzed: 01/19/89

umn: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	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	5 U
67-64-1	Acetone	2 J
75-15-0	Carbon disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-35-3	1,1-Dichloroethane	5 U
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon tetrachloride	5 U
108-05-4	Vinyl acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028237-MW18D

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23391

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119A

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/19/89

olumn (pack/cap) CAP Dilution Factor: 1.0

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

028237-RERUN

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23391-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119B

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028237-RERUN

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23391-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119B

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE SAMPLE NO.

028237MS

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23391MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119CMS

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	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	0.9	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	43	SPIKE
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	50	SPIKE
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	50	SPIKE
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	52	SPIKE
108-90-7	Chlorobenzene	52	SPIKE
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

028237MS

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23391MS

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0119CMS

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/19/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ DOE SAMPLE NO.

028237MSD

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23391MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119C

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	0.9	J	
67-64-1	Acetone	10	U	
75-15-0	Carbon disulfide	5	U	
75-35-4	1,1-Dichloroethene	47		SPIKE SM
75-35-3	1,1-Dichloroethane	5	U	
540-59-0	1,2-Dichloroethene (total)	5	U	
67-66-3	Chloroform	5	U	
107-06-2	1,2-Dichloroethane	5	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	5	U	
56-23-5	Carbon tetrachloride	5	U	
108-05-4	Vinyl acetate	10	U	
75-27-4	Bromodichloromethane	5	U	
78-87-5	1,2-Dichloropropane	5	U	
10061-01-5	cis-1,3-Dichloropropene	5	U	
79-01-6	Trichloroethene	53		SPIKE
124-48-1	Dibromochloromethane	5	U	
79-00-5	1,1,2-Trichloroethane	5	U	
71-43-2	Benzene	55		SPIKE
10061-02-6	trans-1,3-Dichloropropene	5	U	
75-25-2	Bromoform	5	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	5	U	
79-34-5	1,1,2,2-Tetrachloroethane	5	U	
108-88-3	Toluene	59		SPIKE
108-90-7	Chlorobenzene	55		SPIKE
100-41-4	Ethylbenzene	5	U	
100-42-5	Styrene	5	U	
1330-20-7	Xylene (total)	5	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DE JH
~~EPA~~ SAMPLE NO.

028237MSD

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23391MSD

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0119C

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/19/89

olumn (pack/cap) CAP Dilution Factor: 1.0

umber TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028238-MW18B

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23392

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118H

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/18/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND		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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028238-MW18B

) Name: WEYERHAEUSER Contract: MAGOON

) Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: 23392

)ple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118H

/el: (low/med) LOW Date Received: 01/13/89

loisture: not dec. _____ Date Analyzed: 01/18/89

.umn (pack/cap) CAP Dilution Factor: 1.0

)ber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.

028239-MW17

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23393

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119D

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DUP
~~EPA~~ SAMPLE NO.

028239-MW17

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23393

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0119D

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/19/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

028240-MW29A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23394

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120A

Level: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028240-MW29A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23394

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120A

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.

028241-MW26A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23395

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120B

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	9	
67-64-1	Acetone	3	J
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028241-MW26A

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23395

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120B

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

olumn (pack/cap) CAP Dilution Factor: 1.0

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028242

WDOE-6A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23396

Sample wt/vol: 0.050 (g/mL) ML Lab File ID: V0123C

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/23/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl chloride	1000	U
75-00-3	Chloroethane	1000	U
75-09-2	Methylene chloride	310	BJ
67-64-1	Acetone	1200	B
75-15-0	Carbon disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	500	U
540-59-0	1,2-Dichloroethene (total)	500	U
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon tetrachloride	500	U
108-05-4	Vinyl acetate	1000	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	500	U
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	1800	
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-88-3	Toluene	4800	
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	1400	
100-42-5	Styrene	500	U
1330-20-7	Xylene (total)	20000	X

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028242

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23396

Sample wt/vol: 0.050 (g/mL) ML Lab File ID: V0123C

Level: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/23/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	10024-97-2	NITROGEN OXIDE (N2O)	1.95	1300	JX
2.	96-14-0	PENTANE, 3-METHYL-	4.60	1300	JX
3.		UNKNOWN	5.97	2000	JX
4.	591-76-4	HEXANE, 2-METHYL-	7.75	1400	JX
5.	108-87-2	CYCLOHEXANE, METHYL-	10.09	1800	JX
6.	104-63-2	ETHANOL, 2-[(PHENYLMETHYL)AM	18.49	560	JX
7.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.75	4100	JX
8.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	18.95	1300	JX
9.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	19.32	1500	JX
10.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	19.74	6500	JX
11.	79-29-8	BUTANE, 2,3-DIMETHYL-	3.43	3600	JX

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

028243-MW15A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23397

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120C

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028243-MW15A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23397

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120C

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028243-RERUN

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23397-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120F

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

GC Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

028243-RERUN

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23397-RERUN

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120F

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028244-MW8A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23398

Sample wt/vol: 0.10 (g/mL) ML Lab File ID: V0123B

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/23/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	500 U
74-83-9	Bromomethane	500 U
75-01-4	Vinyl chloride	500 U
75-00-3	Chloroethane	500 U
75-09-2	Methylene chloride	110 BJ
67-64-1	Acetone	200 BJ
75-15-0	Carbon disulfide	250 U
75-35-4	1,1-Dichloroethene	250 U
75-35-3	1,1-Dichloroethane	250 U
540-59-0	1,2-Dichloroethene (total)	250 U
67-66-3	Chloroform	250 U
107-06-2	1,2-Dichloroethane	250 U
78-93-3	2-Butanone	210 J
71-55-6	1,1,1-Trichloroethane	250 U
56-23-5	Carbon tetrachloride	250 U
108-05-4	Vinyl acetate	500 U
75-27-4	Bromodichloromethane	250 U
78-87-5	1,2-Dichloropropane	250 U
10061-01-5	cis-1,3-Dichloropropene	250 U
79-01-6	Trichloroethene	250 U
124-48-1	Dibromochloromethane	250 U
79-00-5	1,1,2-Trichloroethane	250 U
71-43-2	Benzene	250 U
10061-02-6	trans-1,3-Dichloropropene	250 U
75-25-2	Bromoform	250 U
108-10-1	4-Methyl-2-pentanone	500 U
591-78-6	2-Hexanone	500 U
127-18-4	Tetrachloroethene	250 U
79-34-5	1,1,2,2-Tetrachloroethane	250 U
108-88-3	Toluene	250 U
108-90-7	Chlorobenzene	250 U
100-41-4	Ethylbenzene	250 U
100-42-5	Styrene	250 U
1330-20-7	Xylene (total)	350 X

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028244-MW8A

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23398

mple wt/vol: 0.10 (g/mL) ML Lab File ID: V0123B

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/23/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	19.75	750	JX
2.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	19.34	240	JX
3.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	18.99	200	JX
4.	622-96-8	BENZENE, 1-ETHYL-4-METHYL-	18.80	660	JX
5.	108-87-2	CYCLOHEXANE, METHYL-	10.14	210	JX
6.	109-66-0	PENTANE (ACN)(DOT)	2.07	290	JX
7.	4806-61-5	CYCLOBUTANE, ETHYL-	6.05	570	JX
8.	110-82-7	CYCLOHEXANE(DOT	7.55	220	JX

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028244-RERUN
8A

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23398-RERUN

ample wt/vol: 1.0 (g/mL) ML Lab File ID: V0123E

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. ____ Date Analyzed: 01/23/89

olumn: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	0	
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene chloride	37	B
67-64-1	Acetone	120	B
75-15-0	Carbon disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-35-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
108-05-4	Vinyl acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	330	X

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028244-RERUN
8A

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23398-RERUN

Sample wt/vol: 1.0 (g/mL) ML Lab File ID: V0123E

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/23/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	78-78-4	BUTANE, 2-METHYL-	1.72	90	JX
2.		UNKNOWN	2.03	110	JX
3.	79-29-8	BUTANE, 2,3-DIMETHYL-	3.50	180	JX
4.	3638-35-5	CYCLOPROPANE, (1-METHYLETHYL	6.00	280	JX
5.	110-82-7	CYCLOHEXANE(DOT	7.52	99	JX
6.	108-87-2	CYCLOHEXANE, METHYL-	10.12	220	JX
7.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.80	1800	JX
8.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	18.97	500	JX
9.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	19.37	550	JX
10.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	19.77	2000	JX

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028245 Transport

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: 23399

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0123A

evel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/23/89

olumn: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND		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	1	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028245

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23399

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0123A

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/23/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028246 Transfer

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23400

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120D

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	0	
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	250	E
67-64-1	Acetone	1600	E
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028246

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23400

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120D

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ VOA OA SAMPLE NO.

028246-RERUN

Name: WEYERHAEUSER Contract: MAGOON

Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23400-RERUN

Sample wt/vol: 0.050 (g/mL) ML Lab File ID: V01206

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl chloride	1000	U
75-00-3	Chloroethane	1000	U
75-09-2	Methylene chloride	240	J
67-64-1	Acetone	2100	B
75-15-0	Carbon disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	500	U
540-59-0	1,2-Dichloroethene (total)	500	U
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon tetrachloride	500	U
108-05-4	Vinyl acetate	1000	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	500	U
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-88-3	Toluene	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
100-42-5	Styrene	500	U
1330-20-7	Xylene (total)	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028246-RERUN
Transfer

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23400-RERUN

mple wt/vol: 0.050 (g/mL) ML Lab File ID: V0120G

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

028247-GCF-BK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23401

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120H

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028247-GCF-BK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23401

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120H

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/20/89

umn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

028247GCF-BK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23401-RERUN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0126A

Level: (low/med) LOW Date Received: 01/13/89

% Moisture: not dec. _____ Date Analyzed: 01/26/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

028247GCF-BK

b Name: WEYERHAEUSER Contract: MAGOON

o Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: 23401-RERUN

nple wt/vol: 5.0 (g/mL) ML Lab File ID: V0126A

vel: (low/med) LOW Date Received: 01/13/89

Moisture: not dec. _____ Date Analyzed: 01/26/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE ~~EPA~~ SAMPLE NO.

METHOD-BLANK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VO117MB

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

% Moisture: not dec. _____ Date Analyzed: 01/17/89

GC Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND	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	0.8 J
67-64-1	Acetone	4 J
75-15-0	Carbon disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-35-3	1,1-Dichloroethane	5 U
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon tetrachloride	5 U
108-05-4	Vinyl acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Def Sh
~~EPA~~ SAMPLE NO.

METHOD-BLANK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0117MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/17/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHOD-BLANK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DOE ~~EPA~~ SAMPLE NO.

METHOD-BLANK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0118MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/18/89

lumn (pack/cap) CAP Dilution Factor: 1.0

nber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHOD-BLANK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0119MB

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

% Moisture: not dec. _____ Date Analyzed: 01/19/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHOD-BLANK

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0119MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/19/89

lumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOE EPA SAMPLE NO.

METHOD-BLANK

Name: WEYERHAEUSER Contract: MAGOON

Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120MB

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

% Moisture: not dec. _____ Date Analyzed: 01/20/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

METHOD-BLANK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn (pack/cap) CAP Dilution Factor: 1.0

nber TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

METHOD-BLANK

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

ample wt/vol: 5.0 (g/mL) ML Lab File ID: V0120MB2

evel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/20/89

olumn: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHOD-BLANK

b Name: WEYERHAEUSER Contract: MAGOON

b Code: WEYER Case No.: 18669 SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0120MB2

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/20/89

lumn (pack/cap) CAP Dilution Factor: 1.0

nber 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

DoE SA

~~EPA~~ SAMPLE NO.

METHOD-BLANK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0123MB

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

% Moisture: not dec. _____ Date Analyzed: 01/23/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	1	J
67-64-1	Acetone	4	J
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

~~EPA~~ SAMPLE NO.

METHOD-BLANK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0123MB

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

% Moisture: not dec. _____ Date Analyzed: 01/23/89

GC Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

~~EPA~~ SAMPLE NO.

METHOD-BLANK

Lab Name: WEYERHAEUSER Contract: MAGOON

Lab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V0126MB

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

% Moisture: not dec. _____ Date Analyzed: 01/26/89

Column: (pack/cap) CAP Dilution Factor: 1.0

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHOD-BLANK

ab Name: WEYERHAEUSER Contract: MAGOON

ab Code: WEYER Case No.: 18869 SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: METHOD-BLANK

mple wt/vol: 5.0 (g/mL) ML Lab File ID: V0126MB

vel: (low/med) LOW Date Received: _____

Moisture: not dec. _____ Date Analyzed: 01/26/89

olumn (pack/cap) CAP Dilution Factor: 1.0

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q