RCRA FACILITY INVESTIGATION
FACILITY-WIDE
VOLUME III of IV: ANALYTICAL DATA

Prepared for

SLOSS INDUSTRIES CORPORATION
3500 35th Avenue North
Birmingham, Alabama 35207

February 1996

GERAGHTY & MILLER, INC.
Environmental Services

a **heidemij** company

SAMPLE DESIGNATION

A sample identification system has been developed to enable the field sampling personnel to establish unique and appropriate identifications for each sample collected. This system incorporates identifiers for the type of investigation, SWMU (when applicable), sample matrix, and the sample location. The identification number will consist of a date code, investigation code, SWMU code, sample matrix code, and sample number. Each of these codes is described below.

Date Code. The date code will consist of a six-digit number. The first two digits refer to the year, the second two digits refer to the month, and the last two digits refer to the day.

Investigation Code. The investigation code will consist of a two-character alpha code. The investigation codes for all samples collected throughout the five-year project are defined as follows.

Facility-Wide	FW
Coke Manufacturing	CO
Land Disposal Areas	LD
Chemical Manufacturing Plant	CM
Biological Treatment Facility	BT

SWMU Code. The SWMU code is a location code. This code will be a number, e.g., "21" for SWMU No. 21, "IW" for investigation-derived waste, or "00" for other samples without a specific location designation (i.e., for background samples) collected during the Facility-Wide Investigation.

Sample Matrix Code. This code includes field QC samples. The sample matrix code will be a two-character alpha code that describes the type of sample matrix. The following codes will be used:

Soil:	SL
Sediment:	SD
Surface Water:	SW
Groundwater (piezometer or monitor well):	GW
Ambient Air:	AA
Waste, Sludge, Landfills, Waste Piles:	SM
Field Blank (Water):	FB
Equipment Blank:	EB
Trip Blank:	TB

Sample Number Code. The sample number code will be a four-digit number starting with 0001, proceeding sequentially with 0002, 0003, through 0999. This allows for potentially 999 samples from any matrix at any SWMU.

VOLUME III

APPENDIX A

Background Soil Sampling Analytical Data

MEMORANDUM

TO: Pedro Fierro

FROM: Michael C. Price

DATE: October 25, 1995

SUBJECT: Sloss Facility Wide Investigation Level II Data Validation
Savannah Laboratories Data
Geraghty & Miller Project No. TF0320.013

The organic and inorganic analytical results of the soil, sediment, groundwater and surface water samples included in Savannah Laboratories data packages T5-11690, T5-11787, T5-11949, T5-11949A, T5-12142, T5-12255, T5-12259, T5-12289, T5-12320, T5-12337, T5-12404 and T5-12426 were validated according to the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1993) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994), respectively.

Forty two groundwater samples; five surface waters, eighteen soil samples, five sediment samples, five field duplicates, seven equipment blanks, five field blanks, eighteen trip blanks, one acid blank and one potable water sample were included in the above laboratory packages. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8240, semivolatile organic compounds (SVOCs) by EPA Method 8270, organochlorine pesticides by EPA Method 8080, organophosphorus pesticides by EPA method 8141, herbicides by EPA Method 8150, dioxins and furans by EPA Method 8280, metals by EPA Methods 6010 and 7470/7471, cyanide by EPA Method 9012, alkalinity by Standard Method 403, chloride by EPA Method 325.2, sulfate by EPA Method 375.4 and sulfide by EPA Method 9030. The methods used to perform the above referenced analyses are in compliance with those specified in the Quality Assurance Plan (QAP).

Holding Times

All samples were analyzed within the required holding times with a few exceptions. Due to a lab mistake, sample 950608-FW-OO-SD0001 was extracted for SVOCs and organochlorine pesticides 32 and 33 days after collection, respectively. While the seven day holding time for extraction is advisory for soils, the gross exceedence was considered significant enough to qualify this data as estimated. The VOC analysis for samples 950731-FW-IW-GW0019S and 950731-FW-IW-GW0019D were performed one day past the 14 day holding time, and as a result the data were qualified as estimated.

Detection Limits

In most cases, the laboratory was able to achieve the detection limits for analytes outlined in the QAP. The laboratory was unable to achieve the required detection limits for soil analyses for 2-chloroethylvinyl ether, acetonitrile, hexachlorophene and heptachlor epoxide, as they were below the laboratory's established practical quantitation limits (PQLs). Similarly, the laboratory was unable to achieve the detection limit for water analyses for hexachlorophene. No action was taken with the laboratory as a result of these elevated detection limits, as these compounds typically have poor responses.

The laboratory also had to dilute some soil samples for metals and organic analyses due to matrix interferences, thus not achieving the required detection limits. Similarly, some water analyses for organics were diluted due to matrix interferences. In all cases, no data were qualified as a result of the dilution as it was deemed appropriate to compensate for the matrix interferences.

Blanks

Numerous target analytes were detected in the many of the method blanks, most trip blanks, and most of the field and equipment blanks analyzed with these samples for VOCs. In most instances, the sample data for these constituents detected in the associated blanks were qualified as non-detects.

In a few cases, bis (2-ethylhexyl) phthalate was detected in the method blanks and some of the associated sample data was qualified as a result. Also, in one instance, zinc was detected in a field blank and the associated water samples were qualified as non-detects for zinc.

All method blanks and field and equipment blanks for all other analyses were acceptable, as no compounds were detected in their analyses. All calibration blanks for inorganics analyses were likewise acceptable.

Surrogates

In most cases, the recoveries of the surrogates in all the samples analyzed for VOCs, SVOCs, pesticides, herbicides, and dioxins and furans were within the acceptable ranges specified. In a few instances, surrogate recoveries were outside the acceptable range due to a matrix interference. In most of these instances, the matrix interference was confirmed by re-analyses and the data was qualified as estimated. In one instance, the recovery of an acid extractable surrogate (phenol-d5) for sample 950615-FW-OO-PW0001 was so poor (0%), the acid extractable data were qualified as unusable.

Laboratory Control Sample/Laboratory Control Sample Duplicates

Laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) analyses were performed by the laboratory for all analytes with every batch of analyses. The results of the LCS/LCSD were acceptable for both precision and accuracy, in every instance.

Matrix Spike/Matrix Spike Duplicates

In most cases, a sample specific matrix spike/ matrix spike duplicate (MS/MSD) sample analysis was performed in association with the sample results included in each data package. In a few instances a batch specific MS/MSD analysis was performed due to insufficient sample volume. In a majority of the cases, MS/MSD results were acceptable for both accuracy and precision and no data was affected.

In a few instances, the recoveries of some soil MS/MSD analyses for metals and cyanide were outside acceptable limits, and the associated sample data were qualified as estimated as a result. In one case, the recovery of a water MS for silver was below the acceptable limit and the associated water samples were qualified as estimated.

In a few cases, the recoveries of some water MS/MSD analyses for metals were outside acceptable limits due to the abundance of the target analyte in the spiked sample. In these cases, no data were affected.

Calibration Verification

A review of the calibration data provided in the data packages for the ICP metals, mercury, cyanide, sulfide, chloride, and sulfate showed the initial calibration verifications (ICVS) and continuing calibration verifications (CCVS) were all within acceptable ranges.

Field Duplicates

A comparison of the field duplicates collected during the investigation generally showed acceptable precision. In some cases, the precision was elevated, as measured by relative percent difference (RPD), however, this was mostly in soil samples and can be attributed to sample non-homogeneity. No sample data were qualified as a result of elevated RPDs in the field duplicates.

DATA REVIEW CONCLUSIONS

In general, the laboratory quality control data were acceptable and limited sample data were qualified as a result. Data qualification was not necessary for the majority of the SVOC, pesticide, herbicide, metals and inorganic constituents included in these data packages. The majority of affected data were qualified as a result of VOC target analyte detection in method blanks, trip blanks. equipment blanks and field blanks.

MEMORANDUM

TO: Pedro Fierro

FROM: Michael C. Price

DATE: December 15, 1995

SUBJECT: Sloss Facility Wide Investigation Level II Data Validation
Field Data
Geraghty & Miller Project No. TF0320.013

The field data for the soil, sediment, groundwater and surface water samples collected between June 8, 1995 and August 17, 1995 and included in Savannah Laboratories data packages T5-11690, T5-11787, T5-11949, T5-11949A, T5-12142, T5-12255, T5-12259, T5-12289, T5-12320, T5-12337, T5-12404 and T5-12426 were reviewed for completeness.

A record of collection, in the form of either sampling notes or a sampling log, was completed for all but a few samples. Generally, the field records were sufficiently complete to adequately document the sampling event.

No field record was presented for the following samples: 950814-FW-IW-GW0006S, 950814-FW-IW-GW0005, and 950815-FW-IW-GW0013S for the major cation/anion analyses. If these records exist, they should be reviewed for completeness.

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss FW Investigation
PROJECT NUMBER: TF0320.013
SAMPLING DATE: 6-8-95 thru 8-17-95 VALIDATION DATE:
SAMPLE IDENTIFICATION:

SAMPLING TEAM: J. Kirkpatrick, J Hughes
ANALYZING LABORATORY:
ANALYSES PERFORMED:

SAMPLE MATRIX: Soil, sediment, groundwater and surface water
QA REPORTING LEVEL: II

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS: 1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED		✓		✓	
2. SAMPLING TEAM INDICATED		✓		✓	
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED		✓		✓	
4. SAMPLE LOCATION		✓		✓	
5. SAMPLE DEPTH FOR SOILS		✓		✓	
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC		✓		✓	
7. FIELD SAMPLE PREPARATION TECHNIQUES		✓		✓	
8. SAMPLE TYPE (GRAB, COMPOSITE)		✓		✓	
9. SAMPLE CONTAINER TYPE		✓		✓	
10. PRESERVATION METHODS		✓		✓	
11. CHAIN OF CUSTODY FORM COMPLETED		✓		✓	
12. REQUIRED ANALYTICAL METHODS REQUESTED		✓		✓	
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED		✓		✓	
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	✓		① ✓		
15. FIELD EQUIPMENT CALIBRATION		✓		✓	
16. FIELD EQUIPMENT DECONTAMINATION		✓		✓	
17. SAMPLE SHIPPING		✓		✓	
18. LABORATORY TASK ORDER					✓

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS: ① Not all samples had applicable field and equipment blanks, or they were not analyzed for the same parameters as the samples.

DATA VALIDATION CHECKLIST
SECTION ONE

TS-11787

PROJECT NAME: TF0320.013
PROJECT NUMBER: Sloss FW Investigation
SAMPLING DATE: _____ VALIDATION DATE: 7/21/95
SAMPLE IDENTIFICATION: (TS-11787) SL0001(0-2),(8-10),(14-16); SL0002(0-2),(8-10),(12-14); SL0003(0-2),(6-8),(10-12), SL9003("),
SAMPLING TEAM: Kirkpatrick/Hughes/Thalman
ANALYZING LABORATORY: Savannah-Tallahassee
~~ANALYSES PERFORMED~~: 950615-FW-00-FB0021; 950615-FW-00-SLEB21; 950615-FW-00-PW0001; 950615-FW-00-TB0021
SAMPLE MATRIX: _____
QA REPORTING LEVEL: II

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS:1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED					
2. SAMPLING TEAM INDICATED					
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED					
4. SAMPLE LOCATION					
5. SAMPLE DEPTH FOR SOILS					
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC					
7. FIELD SAMPLE PREPARATION TECHNIQUES					
8. SAMPLE TYPE (GRAB, COMPOSITE)					
9. SAMPLE CONTAINER TYPE					
10. PRESERVATION METHODS					
11. CHAIN OF CUSTODY FORM COMPLETED					
12. REQUIRED ANALYTICAL METHODS REQUESTED					
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED					
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)					
15. FIELD EQUIPMENT CALIBRATION					
16. FIELD EQUIPMENT DECONTAMINATION					
17. SAMPLE SHIPPING					
18. LABORATORY TASK ORDER					

See field validation

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS: _____

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		✓		✓	
2. PARAMETERS ANALYZED		✓		✓	
3. METHOD OF ANALYSIS		✓		✓	
4. DETECTION LIMITS OF ANALYSIS		✓		① ✓	
5. MASTER TRACKING LIST					✓
6. SAMPLE COLLECTION DATE		✓		✓	
7. LAB SAMPLE RECEIVED DATE		✓		✓	
8. SAMPLE PREPARATION/EXTRACTION DATE		✓		✓	
9. SAMPLE ANALYSIS DATE		✓		✓	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		✓		✓	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		✓		✓	

COMMENTS: ① 2-chloroethylvinylether 50ug/kg not 10ug/kg; advisory for soil samples 2 through 10 not met due to matrix interference.

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)1/	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS2/ OR RWS3/ % RECOVERY (%R)					
3. MSD4/ OR RWSD5/ OR LD6/ %R					
4. RPD7/					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I_
REQUIREMENTS_____

	Reported No	Reported Yes	In Limits No	In Limits Yes	Not Required
1. WATER BLANKS					
2. EXTRACTION BLANKS					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

COMMENTS: _____

QA REPORTING LEVEL: II
REQUIREMENTS

A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

	Reported No	Reported Yes	In Limits No	In Limits Yes	Not Required
1. WATER BLANKS					
2. EXTRACTION BLANKS					
3. MS[4/] (BATCH SPECIFIC)					
4. MSD[5/] (BATCH SPECIFIC)					
5. LD[6/] (OPTIONAL)					
6. MS/MSD RPD OR SAMPLE/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

	Reported No	Reported Yes	In Limits No	In Limits Yes	Not Required
1. WATER BLANKS		✓		✓	
2. EXTRACTION BLANKS		✓		✓	
3. MS (BATCH SPECIFIC)		✓		✓	
4. MSD (BATCH SPECIFIC)		✓		✓	
5. LD (OPTIONAL)					✓
6. MS/MSD RPD OR SAMPLE/LD RPD		✓		✓	
7. RWS		✓		✓	
8. RWSD		✓		✓	
9. RWS RPD		✓		✓	
10. SURROGATE SPIKES		✓	✓	✓	

COMMENTS: ① sample PLV0601 phenol-d5 recovery 0%

1/ RWS = REAGENT WATER SPIKE; 2/ RWSD = REAGENT WATER SPIKE DUPLICATE;
3/ RPD = RELATIVE PERCENT DIFFERENCE; 4/ MS = MATRIX SPIKE;
5/ MSD = MATRIX SPIKE DUPLICATE; 6/ LD = LAB DUP

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II
REQUIREMENTS (BATCH SPECIFIC QA)[1/]

	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS		✓		✓	
2. MS % RECOVERY (%R)		✓	① ✓	✓	
3. MSD OR LAB DUPLICATE % R		✓	① ✓	✓	
4. RWS % R		✓		✓	
5. RWSD % R		✓		✓	
6. RPDS FOR MS/MSD, SAMPLE/LD, RWS/RWSD		✓		✓	
7. LCS[8/] %R		✓		✓	
8. ICVS [9/] %R		✓		✓	

COMMENTS: soil SD MS/MSD recoveries low (41%/45%); water Ag MS recovery low (73%)

QA REPORTING LEVEL: III
REQUIREMENTS (SAMPLE SPECIFIC QA)[10/]

1. CALIBRATION CURVE STANDARDS					
2. ICVS %R					
3. CCVS[11/] %R					
4. LCS %R					
5. METHOD BLANKS					
6. ICS[12/] %R (ICP ONLY)					
7. DCS[13/] %R (ICP ONLY)					
8. MS %R					
9. LD OR MSD %R AND RPD					
10. POST DIGESTION ANALYTICAL SPIKE[14/]					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY

PROJECT NAME: Sloss FW Investigation PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: II VALIDATION DATE: 7-21-95

ALL QA REPORTING LEVELS (I, II, III)

SUMMARY OF CHECKLIST FINDINGS

	Reported No	Reported Yes	Performance Acceptable No	Performance Acceptable Yes	Not Required
1. Field measurements of pH and specific conductance are consistent with historical data					✓
2. Field Records					
3. Methods (Gen. Info. Section One)		✓		✓	
4. Holding Times (Master Sample List)					
A. Extraction holding times		✓		✓	
B. Analysis holding times		✓		✓	
5. Detection limits (Section One)		✓		① ✓	
6. Blanks (Sections Two or Three)					
A. Equipment rinsate blanks		✓		② ✓	
B. Field blanks		✓		② ✓	
C. Trip blanks		✓		② ✓	
D. Laboratory blanks		✓		✓	
7. Field replicates		✓		③ ✓	
8. Field splits					✓
9. Geophysical comparisons					
A. Cation vs Anion					✓
B. TDS vs Spec. Conductance					✓
C. pH vs Alk/Acidity					✓
D. Other					✓
10. Metals QA Data (Section Two)		✓		✓	
11. Inorganic Wet Chemistry (Sec. Two)		✓		✓	
12. Organic QA Data-GC (Section Three-A)					✓
13. Organic Wet Chemistry (Sec. Three-A)					✓
14. Organic QA Data-GC/MS (Sec. Three-B)		✓		✓	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.

COMMENTS:
1) 2-chloroethylvinyl ether cannot be met by lab (50ppb not 10ppb)
cadmium elevated for most soils due to matrix interference
2) Several compounds detected in all field blanks, some data affected
3) chromium (78.8%) and zinc (51.2%) are elevated, no data affected

TB-11787

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING

PROJECT NAME: Sloss FW Investigation PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: II VALIDATION DATE: 7/21/95

1. QUALIFIER CODES ASSIGNED TO DATA: (R), (U) J, (U/J) B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE		See Attachment
B CODE		
U CODE		See Attachment
J CODE		
U/J CODE		See Attachment

EXPLANATION:

VALIDATION PERFORMED BY: Michael S. Price

SIGNED:

DATE: 10-25-95

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE: ATTACHMENT FOR SAVANNAH DATA PACKAGE T5-11787

	SAMPLE ID	PARAMETERS
R CODE	PW0001	4-Chloro-3-methylphenol, 2-Chlorophenol
	PW0001	2,4-Dichlorophenol, 2,6-Dichlorophenol
	PW0001	2,4-Dimethylphenol, 2,4-Dinitrophenol
	PW0001	2-Methyl-4,6-dinitrophenol, 2-Methylphenol
	PW0001	3-Methylphenol/4-Methylphenol, 2-Nitrophenol
	PW0001	4-Nitrophenol, Pentachlorophenol
	PW0001	Phenol, 2,3,4,6-Tetrachlorophenol
	PW0001	2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol
B CODE		
U CODE	SL0001(0-2), SL0001(8-10), SL0002(0-2),	Styrene, Xylenes
	SL0002(8-10), SL0002(12-14), SL0003(0-2),	Styrene, Xylenes
	SL0003(6-8), SL0003(10-12), SL9003	Styrene, Xylenes
	SL0001(0-2), SL0002(0-2),SL0003(0-2),	Toluene
	SL9003	Toluene
J CODE		
U/J CODE	SL0001(0-2), SL0001(8-10), SL0001(14-16)	Antimony
	SL0002(0-2), SL0002(8-10), SL0002(12-14),	Antimony
	SL0003(0-2),SL0003(6-8), SL0003(10-12),	Antimony
	SL9003	Antimony
	FB0021, SLEB21, PW0001	Silver

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

Project Narrative: T511787

Client:	Geraghty & Miller, Inc.
Project:	TF00320.013/Sloss Industries
Client Project Manager:	Pedro Fiero
Laboratory:	Savannah Laboratories & Environmental Services, Inc. Tallahassee Division
Laboratory Project Manager:	Elizabeth L. Schneider
Date:	July 11, 1995

Ten soil samples, three water samples, and a trip blank were received intact on June 16, 1995, for analysis by Methods 8240, 8270, 6010, 7470/7471, and 9012. Results were reported according to Geraghty & Miller Level 2 requirements.

The following analytical problems or events occurred.

Method 8240

1. Estimated values below the PQL but above the MDL were reported and flagged "J".
2. Method blanks were reported for each clock (tune period) within a batch of 20 samples.

Method 8270

1. Estimated values below the PQL but above the MDL were reported and flagged "J".
2. Sample -13 (950615-FW-00-PW0001) exhibited 0% recovery for the surrogate phenol-d5. Re-extraction and reanalysis confirmed the low recovery (1.1% on re-extraction). The recovery is flagged *F53 in the report.
3. Insufficient sample was available for a liquid batch MS/MSD. The liquid MS/MSD results are flagged *F82 in the report.

Method 6010

1. The batch matrix spike for silver exhibited a recovery of 73%, which is outside the advisory limits of 80-120%. The recovery is flagged *F7 in the report.
2. All soil samples except -1 exhibited matrix interference for cadmium and were analyzed at 5x dilutions. All soil samples exhibited matrix interference for selenium and were analyzed at x2 (-1) or x5 (-2 through -10) dilutions. The resulting elevated reporting limits are flagged *F65 in the report.

Elizabeth L. Schneider

Elizabeth L. Schneider
Project Manager

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

946 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<29	<29	<36	<36	<31
Acrolein, ug/kg dw	<120	<120	<140	<120	<120
Acrylonitrile, ug/kg dw	<120	<120	<140	<120	<120
Benzene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Bromodichloromethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Bromoform, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Bromomethane, ug/kg dw	<12	<12	<14	<12	<12
2-Butanone (MEK), ug/kg dw	<29	<29	<36	<31	<31
Carbon disulfide, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Carbon tetrachloride, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Chlorobenzene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Chloroethane, ug/kg dw	<12	<12	<14	<12	<12
2-Chloroethylvinyl ether, ug/kg dw	<58	<58	<72	<62	<61
Chloroform, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Chloromethane, ug/kg dw	<12	<12	<14	<12	<12
Dibromochloromethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
1,2-Dibromoethane (EDB) , ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Dibromomethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
trans-1,4-Dichloro-2-butene , ug/kg dw	<12	<12	<14	<12	<12
Dichlorodifluoromethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
1,1-Dichloroethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
1,2-Dichloroethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
trans-1,2-Dichloroethene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
1,1-Dichloroethene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
1,2-Dichloropropane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
cis-1,3-Dichloropropene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
trans-1,3-Dichloropropene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Ethylbenzene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Ethyl methacrylate, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
2-Hexanone, ug/kg dw	<29	<29	<36	<31	<31
Iodomethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Methylene chloride (Dichloromethane), ug/kg dw	<5.8	3.6J	<7.2	4.3J	<6.1
4-Methyl-2-pentanone (MIBK), ug/kg dw	<29	<29	<36	<31	<31
Styrene, ug/kg dw	0.49J	0.83J	<7.2	0.38J	1.5J
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Tetrachloroethene, ug/kg dw	<5.8	<5.8	<7.2	0.58J	<6.1
Toluene, ug/kg dw	0.81J	1.1J	1.0J	0.47J	3.3J
1,1,1-Trichloroethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7946 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
1,1,2-Trichloroethane, ug/kg dw	<5.8	<5.8	<7.2	0.67J	2.6J
Trichloroethene, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Trichlorofluoromethane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
1,2,3-Trichloropropane, ug/kg dw	<5.8	<5.8	<7.2	<6.2	<6.1
Vinyl acetate, ug/kg dw	<12	<12	<14	<12	<12
Vinyl chloride, ug/kg dw	<12	<12	<14	<12	<12
Xylenes, ug/kg dw	0.36J	0.46J	<7.2	1.5J	2.4J
Surrogate - Dibromofluoromethane	110 %	102 %	106 %	99 %	95 %
Surrogate - Toluene-d8	103 %	99 %	101 %	96 %	90 %
Surrogate - 4-Bromofluorobenzene	107 %	99 %	102 %	95 %	98 %
Date Analyzed	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Batch ID	0619A	0619A	0619A	0619A	0619A
Clock ID	1J0620	1J0620	1J0620	1J0620	1J0620

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<390	<430	<500	<410	<460
Acenaphthylene, ug/kg dw	<390	<430	<500	<410	<460
Anthracene, ug/kg dw	<390	<430	<500	<410	<460
Benzo(a)anthracene, ug/kg dw	33J	<430	<500	<410	<460
Benzo(b)fluoranthene, ug/kg dw	65J	<430	<500	66J	<460
Benzo(k)fluoranthene, ug/kg dw	<390	<430	<500	<410	<460
Benzo(g,h,i)perylene, ug/kg dw	<390	<430	<500	<410	<460
Benzo(a)pyrene, ug/kg dw	40J	<430	<500	<410	<460
Benzyl alcohol, ug/kg dw	<390	<430	<500	<410	<460
bis(2-Chloroethoxy)methane, ug/kg dw	<390	<430	<500	<410	<460
bis(2-Chloroethyl)ether, ug/kg dw	<390	<430	<500	<410	<460
bis(2-Chloroisopropyl)ether , ug/kg dw	<390	<430	<500	<410	<460
bis(2-Ethylhexyl)phthalate, ug/kg dw	<390	<430	<500	<410	<460
4-Bromophenyl phenyl ether, ug/kg dw	<390	<430	<500	<410	<460
p-Chloroaniline, ug/kg dw	<780	<850	<1000	<810	<930
4-Chloro-3-methylphenol, ug/kg dw	<390	<430	<500	<410	<460
2-Chloronaphthalene, ug/kg dw	<390	<430	<500	<410	<460

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
2-Chlorophenol, ug/kg dw	<390	<430	<500	<410	<460
4-Chlorophenylphenyl ether, ug/kg dw	<390	<430	<500	<410	<460
Chrysene, ug/kg dw	43J	<430	<500	<410	<460
Dibenz(a,h)anthracene, ug/kg dw	<390	<430	<500	<410	<460
Dibenzofuran, ug/kg dw	<390	<430	<500	<410	<460
Di-n-butylphthalate, ug/kg dw	<390	<430	<500	<410	<460
1,2-Dichlorobenzene, ug/kg dw	<390	<430	<500	<410	<460
1,3-Dichlorobenzene, ug/kg dw	<390	<430	<500	<410	<460
1,4-Dichlorobenzene, ug/kg dw	<390	<430	<500	<410	<460
2,4-Dichlorophenol, ug/kg dw	<390	<430	<500	<410	<460
2,6-Dichlorophenol, ug/kg dw	<390	<430	<500	<410	<460
Diethylphthalate, ug/kg dw	<390	<430	<500	<410	<460
3,3'-Dimethylbenzidine, ug/kg dw	<780	<850	<1000	<810	<930
2,4-Dimethylphenol, ug/kg dw	<390	<430	<500	<410	<460
Dimethylphthalate, ug/kg dw	<390	<430	<500	<410	<460
2,4-Dinitrophenol, ug/kg dw	<2000	<2100	<2500	<2000	<2300
2,4-Dinitrotoluene, ug/kg dw	<390	<430	<500	<410	<460
2,6-Dinitrotoluene, ug/kg dw	<390	<430	<500	<410	<460
Di-n-octylphthalate, ug/kg dw	<390	<430	<500	<410	<460
Fluoranthene, ug/kg dw	58J	<430	<500	61J	<460
Fluorene, ug/kg dw	<390	<430	<500	<410	<460

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
Hexachlorobenzene, ug/kg dw	<390	<430	<500	<410	<460
Hexachlorobutadiene, ug/kg dw	<390	<430	<500	<410	<460
Hexachlorocyclopentadiene, ug/kg dw	<390	<430	<500	<410	<460
Hexachloroethane, ug/kg dw	<390	<430	<500	<410	<460
Indeno(1,2,3-cd)pyrene, ug/kg dw	<390	<430	<500	<410	<460
Isophorone, ug/kg dw	<390	<430	<500	<410	<460
2-Methyl-4,6-dinitrophenol, ug/kg dw	<2000	<2100	<2500	<2000	<2300
2-Methylnaphthalene, ug/kg dw	<390	<430	<500	<410	<460
2-Methylphenol (o-cresol), ug/kg dw	<390	<430	<500	<410	<460
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<390	<430	<500	<410	<460
Naphthalene, ug/kg dw	44J	<430	<500	48J	<460
2-Nitroaniline, ug/kg dw	<2000	<2100	<2500	<2000	<2300
3-Nitroaniline, ug/kg dw	<2000	<2100	<2500	<2000	<2300
4-Nitroaniline, ug/kg dw	<2000	<2100	<2500	<2000	<2300
Nitrobenzene, ug/kg dw	<390	<430	<500	<410	<460
2-Nitrophenol, ug/kg dw	<390	<430	<500	<410	<460
4-Nitrophenol, ug/kg dw	<2000	<2100	<2500	<2000	<2300
N-Nitrosodimethylamine, ug/kg dw	<390	<430	<500	<410	<460

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
n-Nitrosodi-n-propylamine, ug/kg dw	<390	<430	<500	<410	<460
Pentachlorophenol, ug/kg dw	<2000	<2100	<2500	<2000	<2300
Phenanthrene, ug/kg dw	30J	<430	<500	<410	<460
Phenol, ug/kg dw	<390	<430	<500	<410	<460
Pyrene, ug/kg dw	52J	<430	<500	<410	<460
Pyridine, ug/kg dw	<390	<430	<500	<410	<460
2,3,4,6-Tetrachlorophenol, ug/kg dw	<2000	<2100	<2500	<2000	<2300
1,2,4-Trichlorobenzene, ug/kg dw	<390	<430	<500	<410	<460
2,4,5-Trichlorophenol, ug/kg dw	<390	<430	<500	<410	<460
2,4,6-Trichlorophenol, ug/kg dw	<390	<430	<500	<410	<460
Surrogate-2-Fluorophenol	53 %	55 %	52 %	59 %	64 %
Surrogate-Phenol-d5	54 %	58 %	54 %	62 %	67 %
Surrogate-Nitrobenzene-d5	51 %	56 %	52 %	61 %	65 %
Surrogate-2-Fluorobiphenyl	68 %	70 %	67 %	64 %	67 %
Surrogate-2,4,6-Tribromophenol	64 %	71 %	60 %	52 %	64 %
Surrogate-4-Terphenyl-d14	69 %	72 %	68 %	67 %	74 %
Date Extracted	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Date Analyzed	06.28.95	06.28.95	06.28.95	06.28.95	06.28.95
Batch ID	0620H	0620H	0620H	0620H	0620H

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic, mg/kg dw	11	7.2	4.3	16	6.6
Barium, mg/kg dw	44	85	100	51	120
Beryllium, mg/kg dw	0.69	1.8	2.2	0.87	1.7
Cadmium, mg/kg dw	<0.50	<2.5*F65	<2.5*F65	<2.5*F65	<2.5*F65
Chromium, mg/kg dw	16	25	27	39	32
Copper, mg/kg dw	8.2	18	32	6.7	20
Lead, mg/kg dw	23	8.7	9.7	20	9.3
Nickel, mg/kg dw	4.7	22	40	5.5	36
Selenium, mg/kg dw	<2.0*F65	<5.0*F65	<5.0*F65	<5.0*F65	<5.0*F65
Silver, mg/kg dw	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, mg/kg dw	<1.0	1.3	<1.0	1.1	<1.0
Zinc, mg/kg dw	67	28	71	38	52
Prep or Extraction Date	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Date Analyzed	06.27.95	06.27.95	06.27.95	06.27.95	06.27.95
Batch ID	0620D	0620D	0620D	0620D	0620D
Mercury (7470/7471)					
Mercury, mg/kg dw	0.038	0.039	0.056	0.034	0.049
Prep or Extraction Date	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Date Analyzed	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Batch ID	0622R	0622R	0622R	0622R	0622R

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-1	950615-FW-00-SL0001(0-2)	06-15-95
11787-2	950615-FW-00-SL0001(8-10)	06-15-95
11787-3	950615-FW-00-SL0001(14-16)	06-15-95
11787-4	950615-FW-00-SL0002(0-2)	06-15-95
11787-5	950615-FW-00-SL0002(8-10)	06-15-95

PARAMETER	11787-1	11787-2	11787-3	11787-4	11787-5
Cyanide (9012)					
Cyanide, mg/kg dw	<1.2	<1.3	<1.5	<1.2	<1.4
Date Analyzed	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Batch ID	0621K	0621K	0621K	0621K	0621K
Percent Solids, %	85 %	78 %	67 %	82 %	72 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<35	<31	<33	<37	35
Acrolein, ug/kg dw	<140	<120	<130	<150	<120
Acrylonitrile, ug/kg dw	<140	<120	<130	<150	<120
Benzene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Bromodichloromethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Bromoform, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Bromomethane, ug/kg dw	<14	<12	<13	<15	<12
2-Butanone (MEK), ug/kg dw	<35	<31	<33	<37	<31
Carbon disulfide, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Carbon tetrachloride, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Chlorobenzene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Chloroethane, ug/kg dw	<14	<12	<13	<15	<12
2-Chloroethylvinyl ether, ug/kg dw	<69	<61	<66	<74	<61
Chloroform, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Chloromethane, ug/kg dw	<14	<12	<13	<15	<12
Dibromochloromethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
1,2-Dibromoethane (EDB) , ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Dibromomethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
trans-1,4-Dichloro-2-butene , ug/kg dw	<14	<12	<13	<15	<12
Dichlorodifluoromethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
1,1-Dichloroethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
1,2-Dichloroethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
trans-1,2-Dichloroethene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
1,1-Dichloroethene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
1,2-Dichloropropane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
cis-1,3-Dichloropropene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
trans-1,3-Dichloropropene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Ethylbenzene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Ethyl methacrylate, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
2-Hexanone, ug/kg dw	<35	<31	<33	<37	<31
Iodomethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Methylene chloride (Dichloromethane), ug/kg dw	5.5J	2.8J	<6.6	<7.4	<6.1
4-Methyl-2-pentanone (MIBK), ug/kg dw	<35	<31	<33	<37	<31
Styrene, ug/kg dw	1.2J	0.48J	1.1J	1.5J	0.79J
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Tetrachloroethene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Toluene, ug/kg dw	1.1J	0.71J	1.4J	2.0J	0.79J
1,1,1-Trichloroethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
1,1,2-Trichloroethane, ug/kg dw	0.57J	<6.1	0.74J	0.86J	<6.1
Trichloroethene, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Trichlorofluoromethane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
1,2,3-Trichloropropane, ug/kg dw	<6.9	<6.1	<6.6	<7.4	<6.1
Vinyl acetate, ug/kg dw	<14	<12	<13	<15	<12
Vinyl chloride, ug/kg dw	<14	<12	<13	<15	<12
Xylenes, ug/kg dw	0.85J	0.46J	0.58J	0.98J	0.56J
Surrogate - Dibromofluoromethane	107 %	113 %	107 %	116 %	112 %
Surrogate - Toluene-d8	101 %	107 %	99 %	106 %	109 %
Surrogate - 4-Bromofluorobenzene	108 %	105 %	101 %	108 %	106 %
Date Analyzed	06.22.95	06.21.95	06.21.95	06.21.95	06.21.95
Batch ID	0619A	0619A	0619A	0619A	0619A
Clock ID	1J0622	1J0621	1J0621	1J0621	1J0621

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<480	<410	<460	<490	<410
Acenaphthylene, ug/kg dw	<480	<410	<460	<490	<410
Anthracene, ug/kg dw	<480	<410	<460	<490	<410
Benzo(a)anthracene, ug/kg dw	<480	<410	<460	<490	<410
Benzo(b)fluoranthene, ug/kg dw	<480	<410	<460	<490	<410
Benzo(k)fluoranthene, ug/kg dw	<480	<410	<460	<490	<410
Benzo(g,h,i)perylene, ug/kg dw	<480	<410	<460	<490	<410
Benzo(a)pyrene, ug/kg dw	<480	<410	<460	<490	<410
Benzyl alcohol, ug/kg dw	<480	<410	<460	<490	<410
bis(2-Chloroethoxy)methane, ug/kg dw	<480	<410	<460	<490	<410
bis(2-Chloroethyl)ether, ug/kg dw	<480	<410	<460	<490	<410
bis(2-Chloroisopropyl)ether , ug/kg dw	<480	<410	<460	<490	<410
bis(2-Ethylhexyl)phthalate, ug/kg dw	<480	31J	<460	<490	<410
4-Bromophenyl phenyl ether, ug/kg dw	<480	<410	<460	<490	<410
p-Chloroaniline, ug/kg dw	<970	<810	<910	<980	<810
4-Chloro-3-methylphenol, ug/kg dw	<480	<410	<460	<490	<410
2-Chloronaphthalene, ug/kg dw	<480	<410	<460	<490	<410

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
2-Chlorophenol, ug/kg dw	<480	<410	<460	<490	<410
4-Chlorophenylphenyl ether, ug/kg dw	<480	<410	<460	<490	<410
Chrysene, ug/kg dw	<480	<410	<460	<490	<410
Dibenz(a,h)anthracene, ug/kg dw	<480	<410	<460	<490	<410
Dibenzofuran, ug/kg dw	<480	<410	<460	<490	<410
Di-n-butylphthalate, ug/kg dw	<480	<410	<460	<490	<410
1,2-Dichlorobenzene, ug/kg dw	<480	<410	<460	<490	<410
1,3-Dichlorobenzene, ug/kg dw	<480	<410	<460	<490	<410
1,4-Dichlorobenzene, ug/kg dw	<480	<410	<460	<490	<410
2,4-Dichlorophenol, ug/kg dw	<480	<410	<460	<490	<410
2,6-Dichlorophenol, ug/kg dw	<480	<410	<460	<490	<410
Diethylphthalate, ug/kg dw	<480	<410	<460	<490	<410
3,3'-Dimethylbenzidine, ug/kg dw	<970	<810	<910	<980	<810
2,4-Dimethylphenol, ug/kg dw	<480	<410	<460	<490	<410
Dimethylphthalate, ug/kg dw	<480	<410	<460	<490	<410
2,4-Dinitrophenol, ug/kg dw	<2400	<2000	<2300	<2500	<2000
2,4-Dinitrotoluene, ug/kg dw	<480	<410	<460	<490	<410
2,6-Dinitrotoluene, ug/kg dw	<480	<410	<460	<490	<410
Di-n-octylphthalate, ug/kg dw	<480	<410	<460	<490	16J
Fluoranthene, ug/kg dw	<480	<410	<460	<490	<410
Fluorene, ug/kg dw	<480	<410	<460	<490	<410

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
Hexachlorobenzene, ug/kg dw	<480	<410	<460	<490	<410
Hexachlorobutadiene, ug/kg dw	<480	<410	<460	<490	<410
Hexachlorocyclopentadiene, ug/kg dw	<480	<410	<460	<490	<410
Hexachloroethane, ug/kg dw	<480	<410	<460	<490	<410
Indeno(1,2,3-cd)pyrene, ug/kg dw	<480	<410	<460	<490	<410
Isophorone, ug/kg dw	<480	<410	<460	<490	<410
2-Methyl-4,6-dinitrophenol, ug/kg dw	<2400	<2000	<2300	<2500	<2000
2-Methylnaphthalene, ug/kg dw	<480	<410	<460	<490	<410
2-Methylphenol (o-cresol), ug/kg dw	<480	<410	<460	<490	<410
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<480	<410	<460	<490	<410
Naphthalene, ug/kg dw	<480	<410	<460	<490	<410
2-Nitroaniline, ug/kg dw	<2400	<2000	<2300	<2500	<2000
3-Nitroaniline, ug/kg dw	<2400	<2000	<2300	<2500	<2000
4-Nitroaniline, ug/kg dw	<2400	<2000	<2300	<2500	<2000
Nitrobenzene, ug/kg dw	<480	<410	<460	<490	<410
2-Nitrophenol, ug/kg dw	<480	<410	<460	<490	<410
4-Nitrophenol, ug/kg dw	<2400	<2000	<2300	<2500	<2000
N-Nitrosodimethylamine, ug/kg dw	<480	<410	<460	<490	<410

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
n-Nitrosodi-n-propylamine, ug/kg dw	<480	<410	<460	<490	<410
Pentachlorophenol, ug/kg dw	<2400	<2000	<2300	<2500	<2000
Phenanthrene, ug/kg dw	<480	<410	<460	<490	<410
Phenol, ug/kg dw	<480	<410	<460	<490	<410
Pyrene, ug/kg dw	<480	<410	<460	<490	<410
Pyridine, ug/kg dw	<480	<410	<460	<490	<410
2,3,4,6-Tetrachlorophenol, ug/kg dw	<2400	<2000	<2300	<2500	<2000
1,2,4-Trichlorobenzene, ug/kg dw	<480	<410	<460	<490	<410
2,4,5-Trichlorophenol, ug/kg dw	<480	<410	<460	<490	<410
2,4,6-Trichlorophenol, ug/kg dw	<480	<410	<460	<490	<410
Surrogate-2-Fluorophenol	60 %	47 %	64 %	56 %	53 %
Surrogate-Phenol-d5	64 %	46 %	66 %	59 %	53 %
Surrogate-Nitrobenzene-d5	65 %	45 %	65 %	60 %	51 %
Surrogate-2-Fluorobiphenyl	63 %	58 %	64 %	62 %	63 %
Surrogate-2,4,6-Tribromophenol	57 %	61 %	55 %	50 %	66 %
Surrogate-4-Terphenyl-d14	73 %	64 %	70 %	75 %	66 %
Date Extracted	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Date Analyzed	06.28.95	06.28.95	06.28.95	06.28.95	06.28.95
Batch ID	0620H	0620H	0620H	0620H	0620H

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic, mg/kg dw	5.7	14	9.7	5.1	21
Barium, mg/kg dw	200	53	100	95	50
Beryllium, mg/kg dw	2.5	0.51	1.8	2.6	0.60
Cadmium, mg/kg dw	<2.5*F65	<2.5*F65	<2.5*F65	<2.5*F65	<2.5*F65
Chromium, mg/kg dw	43	20	33	27	46
Copper, mg/kg dw	29	5.0	21	22	5.9
Lead, mg/kg dw	10	11	17	9.5	14
Nickel, mg/kg dw	47	5.5	25	37	9.4
Selenium, mg/kg dw	<5.0*F65	<5.0*F65	<5.0*F65	<5.0*F65	<5.0*F65
Silver, mg/kg dw	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, mg/kg dw	1.1	<1.0	<1.0	<1.0	<1.0
Zinc, mg/kg dw	68	16	29	49	27
Prep or Extraction Date	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Date Analyzed	06.27.95	06.27.95	06.27.95	06.27.95	06.27.95
Batch ID	0620D	0620D	0620D	0620D	0620D
Mercury (7470/7471)					
Mercury, mg/kg dw	0.065	0.055	0.035	0.15	0.038
Prep or Extraction Date	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Date Analyzed	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Batch ID	0622R	0622R	0622R	0622R	0622R

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11787-6	950615-FW-00-SL0002(12-14)	06-15-95
11787-7	950615-FW-00-SL0003(0-2)	06-15-95
11787-8	950615-FW-00-SL0003(6-8)	06-15-95
11787-9	950615-FW-00-SL0003(10-12)	06-15-95
11787-10	950615-FW-00-SL9003	06-15-95

PARAMETER	11787-6	11787-7	11787-8	11787-9	11787-10
Cyanide (9012)					
Cyanide, mg/kg dw	<1.4	<1.2	<1.4	<1.5	<1.2
Date Analyzed	06.22.95	06.22.95	06.22.95	06.22.95	06.22.95
Batch ID	0621K	0621K	0621K	0621K	0621K
Percent Solids, %	69 %	82 %	73 %	68 %	82 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
Volatile Organic Compounds (8240)			
Acetone, ug/l	<10	<10	<10
Acrolein, ug/l	<20	<20	<20
Acrylonitrile, ug/l	<20	<20	<20
Benzene, ug/l	<1.0	<1.0	<1.0
Bromodichloromethane, ug/l	<1.0	0.97J	7.9
Bromoform, ug/l	<1.0	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0	<1.0
2-Chloroethylvinyl ether, ug/l	<10	<10	<10
Chloroform, ug/l	3.1	3.8	26
Chloromethane, ug/l	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0	1.8
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0	<2.0
Dichlorodifluoromethane, ug/l	<1.0	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0	<1.0
1,2-Dichloroethane, ug/l	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
1,1-Dichloroethene, ug/l	<1.0	<1.0	<1.0
1,2-Dichloropropane, ug/l	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0	<1.0
2-Hexanone, ug/l	<10	<10	<10
Iodomethane, ug/l	<1.0	<1.0	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10	<10
Styrene, ug/l	<1.0	0.24J	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0	<1.0
Toluene, ug/l	<1.0	0.17J	<1.0
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0	<1.0
Trichloroethene, ug/l	<1.0	<1.0	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0	<1.0
Vinyl acetate, ug/l	<2.0	<2.0	<2.0
Vinyl chloride, ug/l	<1.0	<1.0	<1.0
Xylenes, ug/l	0.38J	0.48J	<1.0
Surrogate - Dibromofluoromethane	95 %	103 %	102 %
Surrogate - Toluene-d8	102 %	106 %	96 %
Surrogate - 4-Bromofluorobenzene	114 %	119 %	120 %
Date Analyzed	06.22.95	06.22.95	06.22.95
Batch ID	0619B	0619B	0619B
Clock ID	1I0622	1I0622	1I0622

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
Semivolatile Organics (8270)			
Acenaphthene, ug/l	<10	<10	<10
Acenaphthylene, ug/l	<10	<10	<10
Anthracene, ug/l	<10	<10	<10
Benzo(a)anthracene, ug/l	<10	<10	<10
Benzo(b)fluoranthene, ug/l	<10	<10	<10
Benzo(k)fluoranthene, ug/l	<10	<10	<10
Benzo(g,h,i)perylene, ug/l	<10	<10	<10
Benzo(a)pyrene, ug/l	<10	<10	<10
Benzyl alcohol, ug/l	<10	<10	<10
bis(2-Chloroethoxy)methane, ug/l	<10	<10	<10
bis(2-Chloroethyl)ether, ug/l	<10	<10	<10
bis(2-Chloroisopropyl)ether, ug/l	<10	<10	<10
bis(2-Ethylhexyl)phthalate, ug/l	<10	<10	<10
4-Bromophenyl phenyl ether, ug/l	<10	<10	<10
p-Chloroaniline, ug/l	<20	<20	<20
4-Chloro-3-methylphenol, ug/l	<10	<10	<10
2-Chloronaphthalene, ug/l	<10	<10	<10
2-Chlorophenol, ug/l	<10	<10	<10
4-Chlorophenylphenyl ether, ug/l	<10	<10	<10
Chrysene, ug/l	<10	<10	<10
Dibenz(a,h)anthracene, ug/l	<10	<10	<10
Dibenzofuran, ug/l	<10	<10	<10
Di-n-butylphthalate, ug/l	<10	<10	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
1,2-Dichlorobenzene, ug/l	<10	<10	<10
1,3-Dichlorobenzene, ug/l	<10	<10	<10
1,4-Dichlorobenzene, ug/l	<10	<10	<10
2,4-Dichlorophenol, ug/l	<10	<10	<10
2,6-Dichlorophenol, ug/l	<10	<10	<10
Diethylphthalate, ug/l	<10	<10	<10
3,3'-Dimethylbenzidine, ug/l	<20	<20	<20
2,4-Dimethylphenol, ug/l	<10	<10	<10
Dimethylphthalate, ug/l	<10	<10	<10
2,4-Dinitrophenol, ug/l	<50	<50	<50
2,4-Dinitrotoluene, ug/l	<10	<10	<10
2,6-Dinitrotoluene, ug/l	<10	<10	<10
Di-n-octylphthalate, ug/l	<10	<10	<10
Fluoranthene, ug/l	<10	<10	<10
Fluorene, ug/l	<10	<10	<10
Hexachlorobenzene, ug/l	<10	<10	<10
Hexachlorobutadiene, ug/l	<10	<10	<10
Hexachlorocyclopentadiene, ug/l	<10	<10	<10
Hexachloroethane, ug/l	<10	<10	<10
Indeno(1,2,3-cd)pyrene, ug/l	<10	<10	<10
Isophorone, ug/l	<10	<10	<10
2-Methyl-4,6-dinitrophenol, ug/l	<50	<50	<50
2-Methylnaphthalene, ug/l	<10	<10	<10
2-Methylphenol (o-cresol), ug/l	<10	<10	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	<10	<10
Naphthalene, ug/l	<10	<10	<10
2-Nitroaniline, ug/l	<50	<50	<50
3-Nitroaniline, ug/l	<50	<50	<50
4-Nitroaniline, ug/l	<50	<50	<50
Nitrobenzene, ug/l	<10	<10	<10
2-Nitrophenol, ug/l	<10	<10	<10
4-Nitrophenol, ug/l	<50	<50	<50
N-Nitrosodimethylamine, ug/l	<10	<10	<10
n-Nitrosodi-n-propylamine, ug/l	<10	<10	<10
Pentachlorophenol, ug/l	<50	<50	<50
Phenanthrene, ug/l	<10	<10	<10
Phenol, ug/l	<10	<10	<10
Pyrene, ug/l	<10	<10	<10
Pyridine, ug/l	<200	<200	<200
2,3,4,6-Tetrachlorophenol, ug/l	<50	<50	<50
1,2,4-Trichlorobenzene, ug/l	<10	<10	<10
2,4,5-Trichlorophenol, ug/l	<10	<10	<10
2,4,6-Trichlorophenol, ug/l	<10	<10	<10
Surrogate-2-Fluorophenol	51 %	53 %	44 %
Surrogate-Phenol-d5	54 %	57 %	0%*F53
Surrogate-Nitrobenzene-d5	59 %	56 %	57 %
Surrogate-2-Fluorobiphenyl	72 %	69 %	68 %
Surrogate-2,4,6-Tribromophenol	66 %	68 %	69 %
Surrogate-4-Terphenyl-d14	88 %	78 %	85 %
Date Extracted	06.20.95	06.20.95	06.20.95
Date Analyzed	06.26.95	06.26.95	06.26.95
Batch ID	0620A	0620A	0620A

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-11	950615-FW-00-FB0021	06-15-95
11787-12	950615-FW-00-SLEB21	06-15-95
11787-13	950615-FW-00-PW0001	06-15-95

PARAMETER	11787-11	11787-12	11787-13
Metals by ICP (6010)			
Antimony, mg/l	<0.050	<0.050	<0.050
Arsenic, mg/l	<0.010	<0.010	<0.010
Barium, mg/l	<0.010	<0.010	0.018
Beryllium, mg/l	<0.0040	<0.0040	<0.0040
Cadmium, mg/l	<0.0050	<0.0050	<0.0050
Chromium, mg/l	<0.010	<0.010	<0.010
Copper, mg/l	<0.025	<0.025	<0.025
Lead, mg/l	<0.0050	<0.0050	<0.0050
Nickel, mg/l	<0.040	<0.040	<0.040
Selenium, mg/l	<0.010	<0.010	<0.010
Silver, mg/l	<0.010	<0.010	<0.010
Thallium, mg/l	<0.010	<0.010	<0.010
Zinc, mg/l	<0.020	<0.020	<0.020
Prep or Extraction Date	06.20.95	06.20.95	06.20.95
Date Analyzed	06.21.95	06.21.95	06.21.95
Batch ID	0620J	0620J	0620J
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	<0.00020	<0.00020
Prep or Extraction Date	06.22.95	06.22.95	06.22.95
Date Analyzed	06.22.95	06.22.95	06.22.95
Batch ID	0622U	0622U	0622U
Cyanide (9012)			
Cyanide, mg/l	<0.010	<0.010	<0.010
Date Analyzed	06.21.95	06.21.95	06.21.95
Batch ID	0621C	0621C	0621C

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-14	950615-FW-00-TB0021	06-15-95

PARAMETER	11787-14
Volatile Organic Compounds (8240)	
Acetone, ug/l	<10
Acrolein, ug/l	<20
Acrylonitrile, ug/l	<20
Benzene, ug/l	<1.0
Bromodichloromethane, ug/l	<1.0
Bromoform, ug/l	<1.0
Bromomethane, ug/l	<2.0
2-Butanone (MEK), ug/l	<10
Carbon disulfide, ug/l	<1.0
Carbon tetrachloride, ug/l	<1.0
Chlorobenzene, ug/l	<1.0
Chloroethane, ug/l	<1.0
2-Chloroethylvinyl ether, ug/l	<10
Chloroform, ug/l	<1.0
Chloromethane, ug/l	<1.0
Dibromochloromethane, ug/l	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0
Dibromomethane, ug/l	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0
Dichlorodifluoromethane, ug/l	<1.0
1,1-Dichloroethane, ug/l	<1.0
1,2-Dichloroethane, ug/l	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0
1,1-Dichloroethene, ug/l	<1.0
1,2-Dichloropropane, ug/l	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11787-14	950615-FW-00-TB0021	06-15-95

PARAMETER	11787-14
cis-1,3-Dichloropropene, ug/l	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0
Ethylbenzene, ug/l	<1.0
Ethyl methacrylate, ug/l	<1.0
2-Hexanone, ug/l	<10
Iodomethane, ug/l	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10
Styrene, ug/l	1.6
1,1,2,2-Tetrachloroethane, ug/l	<1.0
Tetrachloroethene, ug/l	<1.0
Toluene, ug/l	<1.0
1,1,1-Trichloroethane, ug/l	<1.0
1,1,2-Trichloroethane, ug/l	<1.0
Trichloroethene, ug/l	<1.0
Trichlorofluoromethane, ug/l	<1.0
1,2,3-Trichloropropane, ug/l	<1.0
Vinyl acetate, ug/l	<2.0
Vinyl chloride, ug/l	<1.0
Xylenes, ug/l	1.2
Surrogate - Dibromofluoromethane	103 %
Surrogate - Toluene-d8	105 %
Surrogate - 4-Bromofluorobenzene	113 %
Date Analyzed	06.22.95
Batch ID	0619B
Clock ID	1I0622

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<25	25	---	---	---
Acrolein, ug/kg dw	<100	100	---	---	---
Acrylonitrile, ug/kg dw	<100	100	---	---	---
Benzene, ug/kg dw	<5.0	5.0	48.5	47.5	50.0
Bromodichloromethane, ug/kg dw	<5.0	5.0	---	---	---
Bromoform, ug/kg dw	<5.0	5.0	---	---	---
Bromomethane, ug/kg dw	<10	10	---	---	---
2-Butanone (MEK), ug/kg dw	<25	25	---	---	---
Carbon disulfide, ug/kg dw	<5.0	5.0	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	5.0	---	---	---
Chlorobenzene, ug/kg dw	<5.0	5.0	45.2	44.7	50.0
Chloroethane, ug/kg dw	<10	10	---	---	---
2-Chloroethylvinyl ether, ug/kg dw	<50	50	---	---	---
Chloroform, ug/kg dw	<5.0	5.0	---	---	---
Chloromethane, ug/kg dw	<10	10	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	5.0	---	---	---
Dibromomethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,4-Dichloro-2-butene , ug/kg dw	<10	10	---	---	---
Dichlorodifluoromethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11787-15 Method Blank Result
11787-16 Reporting Limit
11787-17 Lab Control Standard Result
11787-18 LCS Duplicate Result
11787-19 LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
1,1-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	5.0	52.9	57.6	50.0
1,2-Dichloropropane, ug/kg dw	<5.0	5.0	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
Ethylbenzene, ug/kg dw	<5.0	5.0	---	---	---
Ethyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---
2-Hexanone, ug/kg dw	<25	25	---	---	---
Iodomethane, ug/kg dw	<5.0	5.0	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	5.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	25	---	---	---
Styrene, ug/kg dw	<5.0	5.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	5.0	---	---	---
Toluene, ug/kg dw	<5.0	5.0	45.6	45.0	50.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
1,1,2-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
Trichloroethene, ug/kg dw	<5.0	5.0	47.7	47.1	50.0
Trichlorofluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	5.0	---	---	---
Vinyl acetate, ug/kg dw	<10	10	---	---	---
Vinyl chloride, ug/kg dw	<10	10	---	---	---
Xylenes, ug/kg dw	<5.0	5.0	---	---	---
Surrogate - Dibromofluoromethane	102 %	---	94 %	105 %	---
Surrogate - Toluene-d8	95 %	---	90 %	99 %	---
Surrogate - 4-Bromofluorobenzene	97 %	---	90 %	101 %	---
Date Analyzed	06.20.95	---	06.20.95	06.20.95	---
Batch ID	0619A	---	0619A	0619A	---
Clock ID	1J0620	---	1J0620	1J0620	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<330	330	2470	2400	3330
Acenaphthylene, ug/kg dw	<330	330	---	---	---
Anthracene, ug/kg dw	<330	330	---	---	---
Benzo(a)anthracene, ug/kg dw	<330	330	---	---	---
Benzo(b)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(k)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(g,h,i)perylene, ug/kg dw	<330	330	---	---	---
Benzo(a)pyrene, ug/kg dw	<330	330	---	---	---
Benzyl alcohol, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethoxy)methane, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethyl)ether, ug/kg dw	<330	330	---	---	---
bis(2-Chloroisopropyl)ether , ug/kg dw	<330	330	---	---	---
bis(2-Ethylhexyl)phthalate, ug/kg dw	<330	330	---	---	---
4-Bromophenyl phenyl ether, ug/kg dw	<330	330	---	---	---
p-Chloroaniline, ug/kg dw	<660	660	---	---	---
4-Chloro-3-methylphenol, ug/kg dw	<330	330	4800	4570	6670
2-Chloronaphthalene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
2-Chlorophenol, ug/kg dw	<330	330	4760	4570	6670
4-Chlorophenylphenyl ether, ug/kg dw	<330	330	---	---	---
Chrysene, ug/kg dw	<330	330	---	---	---
Dibenz(a,h)anthracene, ug/kg dw	<330	330	---	---	---
Dibenzofuran, ug/kg dw	<330	330	---	---	---
Di-n-butylphthalate, ug/kg dw	<330	330	---	---	---
1,2-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,3-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,4-Dichlorobenzene, ug/kg dw	<330	330	2300	2210	3330
2,4-Dichlorophenol, ug/kg dw	<330	330	---	---	---
2,6-Dichlorophenol, ug/kg dw	<330	330	---	---	---
Diethylphthalate, ug/kg dw	<330	330	---	---	---
3,3'-Dimethylbenzidine, ug/kg dw	<660	660	---	---	---
2,4-Dimethylphenol, ug/kg dw	<330	330	---	---	---
Dimethylphthalate, ug/kg dw	<330	330	---	---	---
2,4-Dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2,4-Dinitrotoluene, ug/kg dw	<330	330	2490	2210	3330
2,6-Dinitrotoluene, ug/kg dw	<330	330	---	---	---
Di-n-octylphthalate, ug/kg dw	<330	330	---	---	---
Fluoranthene, ug/kg dw	<330	330	---	---	---
Fluorene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
Hexachlorobenzene, ug/kg dw	<330	330	---	---	---
Hexachlorobutadiene, ug/kg dw	<330	330	---	---	---
Hexachlorocyclopentadiene, ug/kg dw	<330	330	---	---	---
Hexachloroethane, ug/kg dw	<330	330	---	---	---
Indeno(1,2,3-cd)pyrene, ug/kg dw	<330	330	---	---	---
Isophorone, ug/kg dw	<330	330	---	---	---
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2-Methylnaphthalene, ug/kg dw	<330	330	---	---	---
2-Methylphenol (o-cresol), ug/kg dw	<330	330	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<330	330	---	---	---
Naphthalene, ug/kg dw	<330	330	---	---	---
2-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
3-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
4-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
Nitrobenzene, ug/kg dw	<330	330	---	---	---
2-Nitrophenol, ug/kg dw	<330	330	---	---	---
4-Nitrophenol, ug/kg dw	<1700	1700	4350	3920	6670
N-Nitrosodimethylamine, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11787-15 Method Blank Result
11787-16 Reporting Limit
11787-17 Lab Control Standard Result
11787-18 LCS Duplicate Result
11787-19 LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
n-Nitrosodi-n-propylamine, ug/kg dw	<330	330	1920	1840	3330
Pentachlorophenol, ug/kg dw	<1700	1700	5450	5340	6670
Phenanthrene, ug/kg dw	<330	330	---	---	---
Phenol, ug/kg dw	<330	330	3780	3570	6670
Pyrene, ug/kg dw	<330	330	2970	2900	3330
Pyridine, ug/kg dw	<330	330	---	---	---
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1700	1700	---	---	---
1,2,4-Trichlorobenzene, ug/kg dw	<330	330	2650	2550	3330
2,4,5-Trichlorophenol, ug/kg dw	<330	330	---	---	---
2,4,6-Trichlorophenol, ug/kg dw	<330	330	---	---	---
Surrogate-2-Fluorophenol	55 %	---	61 %	58 %	---
Surrogate-Phenol-d5	57 %	---	60 %	57 %	---
Surrogate-Nitrobenzene-d5	54 %	---	57 %	56 %	---
Surrogate-2-Fluorobiphenyl	66 %	---	68 %	58 %	---
Surrogate-2,4,6-Tribromophenol	64 %	---	69 %	60 %	---
Surrogate-4-Terphenyl-d14	71 %	---	71 %	70 %	---
Date Extracted	06.20.95	---	06.20.95	06.20.95	---
Date Analyzed	06.27.95	---	06.27.95	06.27.95	---
Batch ID	0620H	---	0620H	0620H	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	5.0	97.3	97.1	100
Arsenic, mg/kg dw	<1.0	1.0	91.8	98.3	82.4
Barium, mg/kg dw	<1.0	1.0	235	261	238
Beryllium, mg/kg dw	<0.40	0.40	159	173	152
Cadmium, mg/kg dw	<0.50	0.50	92.9	101	90.0
Chromium, mg/kg dw	<1.0	1.0	171	186	167
Copper, mg/kg dw	<2.5	2.5	210	233	196
Lead, mg/kg dw	<0.50	0.50	164	186	162
Nickel, mg/kg dw	<4.0	4.0	142	168	135
Selenium, mg/kg dw	<1.0	1.0	114	135	109
Silver, mg/kg dw	<1.0	1.0	66.0	78.3	65.4
Thallium, mg/kg dw	<1.0	1.0	135	154	127
Zinc, mg/kg dw	<2.0	2.0	205	234	199
Prep or Extraction Date	06.20.95	---	06.20.95	06.20.95	---
Date Analyzed	06.27.95	---	06.27.95	06.27.95	---
Batch ID	0620D	---	0620D	0620D	---
Mercury (7470/7471)					
Mercury, mg/kg dw	<0.030	0.030	2.52	2.42	2.36
Prep or Extraction Date	06.22.95	---	06.22.95	06.22.95	---
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---
Batch ID	0622R	---	0622R	0622R	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-15	Method Blank Result
11787-16	Reporting Limit
11787-17	Lab Control Standard Result
11787-18	LCS Duplicate Result
11787-19	LCS Expected Value

PARAMETER	11787-15	11787-16	11787-17	11787-18	11787-19
Cyanide (9012)					
Cyanide, mg/kg dw	<1.0	1.0	3.17	3.25	4.00
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---
Batch ID	0621K	---	0621K	0621K	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-20	LCS/LCSD % Recovery
11787-21	Accuracy Control Limits
11787-22	Precision (% RPD) of LCS/LCSD
11787-23	Precision Control Limit

PARAMETER	11787-20	11787-21	11787-22	11787-23
Volatile Organic Compounds (8240)				
Benzene, %	97/95 %	48-150 %	2.1 %	<27 %
Chlorobenzene, %	90/89 %	54-138 %	1.1 %	<33 %
1,1-Dichloroethene, %	106/115 %	36-161 %	8.2 %	<50 %
Toluene, %	91/90 %	51-141 %	1.1 %	<27 %
Trichloroethene, %	95/94 %	43-140 %	1.1 %	<27 %
Surrogate - Dibromofluoromethane	---	80-120 %	---	---
Surrogate - Toluene-d8	---	68-123 %	---	---
Surrogate - 4-Bromofluorobenzene	---	64-126 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-20	LCS/LCSD % Recovery
11787-21	Accuracy Control Limits
11787-22	Precision (% RPD) of LCS/LCSD
11787-23	Precision Control Limit

PARAMETER	11787-20	11787-21	11787-22	11787-23
Semivolatile Organics (8270)				
Acenaphthene, %	74/72 %	60-122 %	2.7 %	<25 %
4-Chloro-3-methylphenol, %	72/69 %	56-118 %	4.3 %	<20 %
2-Chlorophenol, %	71/69 %	54-107 %	2.9 %	<26 %
1,4-Dichlorobenzene, %	69/66 %	47-103 %	4.4 %	<45 %
2,4-Dinitrotoluene, %	75/66 %	42-166 %	13 %	<33 %
4-Nitrophenol, %	65/59 %	17-153 %	9.7 %	<33 %
n-Nitrosodi-n-propylamine, %	58/55 %	40-145 %	5.3 %	<39 %
Pentachlorophenol, %	82/80 %	19-138 %	2.5 %	<33 %
Phenol, %	57/54 %	40-113 %	5.4 %	<31 %
Pyrene, %	89/87 %	46-168 %	2.3 %	<36 %
1,2,4-Trichlorobenzene, %	80/77 %	48-111 %	3.8 %	<31 %
Surrogate-2-Fluorophenol	---	27-120 %	---	---
Surrogate-Phenol-d5	---	32-123 %	---	---
Surrogate-Nitrobenzene-d5	---	22-124 %	---	---
Surrogate-2-Fluorobiphenyl	---	35-116 %	---	---
Surrogate-2,4,6-Tribromophenol	---	17-123 %	---	---
Surrogate-4-Terphenyl-d14	---	29-137 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-20	LCS/LCSD % Recovery
11787-21	Accuracy Control Limits
11787-22	Precision (% RPD) of LCS/LCSD
11787-23	Precision Control Limit

PARAMETER	11787-20	11787-21	11787-22	11787-23
Metals by ICP (6010)				
Antimony, %	97/97 %	70-130 %	0 %	<30 %
Arsenic, %	111/119 %	70-130 %	7.0 %	<30 %
Barium, %	99/110 %	70-130 %	11 %	<30 %
Beryllium, %	105/114 %	70-130 %	8.2 %	<30 %
Cadmium, %	103/112 %	70-130 %	8.4 %	<30 %
Chromium, %	102/111 %	70-130 %	8.5 %	<30 %
Copper, %	107/119 %	70-130 %	11 %	<30 %
Lead, %	101/115 %	70-130 %	13 %	<30 %
Nickel, %	105/124 %	70-130 %	17 %	<30 %
Selenium, %	105/124 %	70-130 %	17 %	<30 %
Silver, %	101/120 %	70-130 %	17 %	<30 %
Thallium, %	106/121 %	70-130 %	13 %	<30 %
Zinc, %	103/118 %	70-130 %	14 %	<30 %
Mercury (7470/7471)				
Mercury, %	107/102 %	70-130 %	4.8 %	<30 %
Cyanide (9012)				
Cyanide, %	79/81 %	75-125 %	2.5 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-24	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-25	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-26	MS Expected Value
11787-27	MS/MSD % Recovery
11787-28	Accuracy Control Limits

PARAMETER	11787-24	11787-25	11787-26	11787-27	11787-28
Volatile Organic Compounds (8240)					
Benzene, ug/kg dw	62.2	60.9	61	102/100 %	48-150 %
Chlorobenzene, ug/kg dw	58.9	58.8	61	97/96 %	54-138 %
1,1-Dichloroethene, ug/kg dw	72.7	60.0	61	119/98 %	36-161 %
Toluene, ug/kg dw	58.1	57.8	61	95/95 %	51-141 %
Trichloroethene, ug/kg dw	61.4	60.3	61	101/99 %	43-140 %
Surrogate - Dibromofluoromethane	110 %	107 %	---	---	80-120 %
Surrogate - Toluene-d8	102 %	100 %	---	---	68-123 %
Surrogate - 4-Bromofluorobenzene	110 %	108 %	---	---	64-126 %
Date Analyzed	06.22.95	06.22.95	---	---	---
Batch ID	0619A	0619A	---	---	---
Clock ID	1J0622	1J0622	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-24	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-25	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-26	MS Expected Value
11787-27	MS/MSD % Recovery
11787-28	Accuracy Control Limits

PARAMETER	11787-24	11787-25	11787-26	11787-27	11787-28
Semivolatile Organics (8270)					
Acenaphthene, mg/kg dw	3070	3220	4070	75/79 %	51-108 %
4-Chloro-3-methylphenol, mg/kg dw	6200	5990	8130	76/74 %	38-112 %
2-Chlorophenol, mg/kg dw	5800	6040	8130	71/74 %	45-105 %
1,4-Dichlorobenzene, mg/kg dw	2860	2900	4070	70/71 %	46-112 %
2,4-Dinitrotoluene, mg/kg dw	3220	3290	4070	79/81 %	35-111 %
4-Nitrophenol, mg/kg dw	5690	5740	8130	70/71 %	10-130 %
n-Nitrosodi-n-propylamine, mg/kg dw	2320	2390	4070	57/59 %	27-140 %
Pentachlorophenol, mg/kg dw	6410	6800	8130	79/84 %	10-107 %
Phenol, mg/kg dw	4470	4840	8130	60/60 %	37-112 %
Pyrene, mg/kg dw	3600	3620	4070	88/89 %	33-139 %
1,2,4-Trichlorobenzene, mg/kg dw	3270	3460	4070	80/85 %	48-107 %
Surrogate-2-Fluorophenol	60 %	62 %	---	---	27-120 %
Surrogate-Phenol-d5	59 %	62 %	---	---	32-123 %
Surrogate-Nitrobenzene-d5	56 %	61 %	---	---	22-124 %
Surrogate-2-Fluorobiphenyl	68 %	72 %	---	---	35-116 %
Surrogate-2,4,6-Tribromophenol	73 %	75 %	---	---	17-123 %
Surrogate-4-Terphenyl-d14	72 %	72 %	---	---	29-137 %
Date Extracted	06.20.95	06.20.95	---	---	---
Date Analyzed	06.28.95	06.28.95	---	---	---
Batch ID	0620H	0620H	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-24	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-25	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-26	MS Expected Value
11787-27	MS/MSD % Recovery
11787-28	Accuracy Control Limits

PARAMETER	11787-24	11787-25	11787-26	11787-27	11787-28
Metals by ICP (6010)					
Antimony, mg/kg dw	41.0	45.4	100	41/45 %	80-120 %
Arsenic, mg/kg dw	91.1	94.3	100	91/94 %	80-120 %
Barium, mg/kg dw	97.3	102	100	97/102 %	80-120 %
Beryllium, mg/kg dw	93.4	94.1	100	93/94 %	80-120 %
Cadmium, mg/kg dw	99.7	101	100	100/101 %	80-120 %
Chromium, mg/kg dw	94.4	98.3	100	95/98 %	80-120 %
Copper, mg/kg dw	97.5	99.6	100	98/100 %	80-120 %
Lead, mg/kg dw	90.6	84.6	100	91/85 %	80-120 %
Nickel, mg/kg dw	90.9	91.8	100	91/92 %	80-120 %
Selenium, mg/kg dw	97.6	102	100	98/102 %	80-120 %
Silver, mg/kg dw	93.8	95.1	100	94/95 %	80-120 %
Thallium, mg/kg dw	88.5	89.4	100	88/89 %	80-120 %
Zinc, mg/kg dw	89.3	95.1	100	89/95 %	80-120 %
Prep or Extraction Date	06.20.95	06.20.95	---	---	---
Date Analyzed	06.27.95	06.27.95	---	---	---
Batch ID	0620D	0620D	---	---	---
Mercury (7470/7471)					
Mercury, mg/kg dw	0.105	0.093	0.108	97/86 %	70-130 %
Prep or Extraction Date	06.22.95	06.22.95	---	---	---
Date Analyzed	06.22.95	06.22.95	---	---	---
Batch ID	0622R	0622R	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES. INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-24	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-25	Matrix Spike Result (950615-FW-00-SL0003(0-2))
11787-26	MS Expected Value
11787-27	MS/MSD % Recovery
11787-28	Accuracy Control Limits

PARAMETER	11787-24	11787-25	11787-26	11787-27	11787-28
Cyanide (9012)					
Cyanide, mg/kg dw	3.66	3.90	4.71	78/83 %	75-125 %
Date Analyzed	06.22.95	06.22.95	---	---	---
Batch ID	0621K	0621K	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11787-29 Precision (% RPD) of MS/MSD
11787-30 Precision Control Limit

PARAMETER	11787-29	11787-30
Volatile Organic Compounds (8240)		
Benzene, %	2.0 %	<27 %
Chlorobenzene, %	1.0 %	<33 %
1,1-Dichloroethene, %	19 %	<50 %
Toluene, %	0 %	<27 %
Trichloroethene, %	2.0 %	<27 %
Semivolatile Organics (8270)		
Acenaphthene, %	5.2 %	<26 %
4-Chloro-3-methylphenol, %	7.9 %	<26 %
2-Chlorophenol, %	4.1 %	<31 %
1,4-Dichlorobenzene, %	1.4 %	<28 %
2,4-Dinitrotoluene, %	2.5 %	<29 %
4-Nitrophenol, %	1.4 %	<34 %
n-Nitrosodi-n-propylamine, %	3.4 %	<35 %
Pentachlorophenol, %	6.1 %	<89 %
Phenol, %	0 %	<36 %
Pyrene, %	1.1 %	<25 %
1,2,4-Trichlorobenzene, %	6.1 %	<28 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	
11787-29	Precision (% RPD) of MS/MSD	
11787-30	Precision Control Limit	

PARAMETER	11787-29	11787-30
Metals by ICP (6010)		
Antimony, %	9.3 %	<20 %
Arsenic, %	3.2 %	<20 %
Barium, %	5.0 %	<20 %
Beryllium, %	1.1 %	<20 %
Cadmium, %	1.0 %	<20 %
Chromium, %	3.1 %	<20 %
Copper, %	2.0 %	<20 %
Lead, %	6.8 %	<20 %
Nickel, %	1.1 %	<20 %
Selenium, %	4.0 %	<20 %
Silver, %	1.1 %	<20 %
Thallium, %	1.1 %	<20 %
Zinc, %	6.5 %	<20 %
Mercury (7470/7471)		
Mercury, %	12 %	<30 %
Cyanide (9012)		
Cyanide, %	6.2 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-31	Initial Calibration Verification Standard Result
11787-32	ICVS % Recovery
11787-33	ICVS Calibration Blank Result
11787-34	Continuing CVS Result
11787-35	CCVS % Recovery

PARAMETER	11787-31	11787-32	11787-33	11787-34	11787-35
Metals by ICP (6010)					
Antimony, mg/l	0.909	91 %	<0.050	0.996	100 %
Arsenic, mg/l	0.920	92 %	<0.010	1.00	100 %
Barium, mg/l	0.987	99 %	<0.010	1.03	103 %
Beryllium, mg/l	0.927	93 %	<0.0040	1.00	100 %
Cadmium, mg/l	0.934	93 %	<0.0050	1.02	102 %
Chromium, mg/l	0.928	93 %	<0.010	1.01	101 %
Copper, mg/l	0.942	94 %	<0.025	1.01	101 %
Lead, mg/l	0.910	91 %	<0.0050	1.00	100 %
Nickel, mg/l	0.938	94 %	<0.040	1.03	103 %
Selenium, mg/l	0.939	94 %	<0.010	1.03	103 %
Silver, mg/l	0.943	94 %	<0.010	0.983	98 %
Thallium, mg/l	0.954	95 %	<0.010	1.05	105 %
Zinc, mg/l	0.937	94 %	<0.020	1.03	103 %
Date Analyzed	06.27.95	---	06.27.95	06.27.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00354	97 %	<0.00020	0.00362	99 %
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---
Cyanide (9012)					
Cyanide, mg/l	0.104	90 %	<0.010	0.102	88 %
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-36	CCVS Calibration Blank Result
11787-37	CVS Expected Value
11787-38	CVS Control Limits

PARAMETER	11787-36	11787-37	11787-38
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	06.27.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	06.22.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115 %
Date Analyzed	06.22.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Volatile Organic Compounds (8240)					
Acetone, ug/l	<10	10	---	---	---
Acrolein, ug/l	<20	20	---	---	---
Acrylonitrile, ug/l	<20	20	---	---	---
Benzene, ug/l	<1.0	1.0	9.51	9.89	10.0
Bromodichloromethane, ug/l	<1.0	1.0	---	---	---
Bromoform, ug/l	<1.0	1.0	---	---	---
Bromomethane, ug/l	<2.0	2.0	---	---	---
2-Butanone (MEK), ug/l	<10	10	---	---	---
Carbon disulfide, ug/l	<1.0	1.0	---	---	---
Carbon tetrachloride, ug/l	<1.0	1.0	---	---	---
Chlorobenzene, ug/l	<1.0	1.0	9.03	9.36	10.0
Chloroethane, ug/l	<1.0	1.0	---	---	---
2-Chloroethylvinyl ether, ug/l	<10	10	---	---	---
Chloroform, ug/l	<1.0	1.0	---	---	---
Chloromethane, ug/l	<1.0	1.0	---	---	---
Dibromochloromethane, ug/l	<1.0	1.0	---	---	---
1,2-Dibromoethane (EDB) , ug/l	<1.0	1.0	---	---	---
Dibromomethane, ug/l	<1.0	1.0	---	---	---
trans-1,4-Dichloro-2-butene, ug/l	<2.0	2.0	---	---	---
Dichlorodifluoromethane, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
1,2-Dichloroethane, ug/l	<1.0	1.0	---	---	---
trans-1,2-Dichloroethene, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethene, ug/l	<1.0	1.0	8.58	9.28	10.0
1,2-Dichloropropane, ug/l	<1.0	1.0	---	---	---
cis-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
trans-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
Ethylbenzene, ug/l	<1.0	1.0	---	---	---
Ethyl methacrylate, ug/l	<1.0	1.0	---	---	---
2-Hexanone, ug/l	<10	10	---	---	---
Iodomethane, ug/l	<1.0	1.0	---	---	---
Methylene chloride (Dichloromethane), ug/l	<1.0	1.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<10	10	---	---	---
Styrene, ug/l	<1.0	1.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	<1.0	1.0	---	---	---
Tetrachloroethene, ug/l	<1.0	1.0	---	---	---
Toluene, ug/l	<1.0	1.0	9.36	9.72	10.0
1,1,1-Trichloroethane, ug/l	<1.0	1.0	---	---	---
1,1,2-Trichloroethane, ug/l	<1.0	1.0	---	---	---
Trichloroethene, ug/l	<1.0	1.0	9.73	9.95	10.0
Trichlorofluoromethane, ug/l	<1.0	1.0	---	---	---
1,2,3-Trichloropropane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Vinyl acetate, ug/l	<2.0	2.0	---	---	---
Vinyl chloride, ug/l	<1.0	1.0	---	---	---
Xylenes, ug/l	<1.0	1.0	---	---	---
Surrogate - Dibromofluoromethane	107 %	---	97 %	102 %	---
Surrogate - Toluene-d8	107 %	---	101 %	105 %	---
Surrogate - 4-Bromofluorobenzene	110 %	---	104 %	108 %	---
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---
Batch ID	0619B	---	0619B	0619B	---
Clock ID	1I0621	---	1I0621	1I0621	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Semivolatile Organics (8270)					
Acenaphthene, ug/l	<10	10	73.7	75.1	100
Acenaphthylene, ug/l	<10	10	---	---	---
Anthracene, ug/l	<10	10	---	---	---
Benzo(a)anthracene, ug/l	<10	10	---	---	---
Benzo(b)fluoranthene, ug/l	<10	10	---	---	---
Benzo(k)fluoranthene, ug/l	<10	10	---	---	---
Benzo(g,h,i)perylene, ug/l	<10	10	---	---	---
Benzo(a)pyrene, ug/l	<10	10	---	---	---
Benzyl alcohol, ug/l	<10	10	---	---	---
bis(2-Chloroethoxy)methane, ug/l	<10	10	---	---	---
bis(2-Chloroethyl)ether, ug/l	<10	10	---	---	---
bis(2-Chloroisopropyl)ether, ug/l	<10	10	---	---	---
bis(2-Ethylhexyl)phthalate, ug/l	<10	10	---	---	---
4-Bromophenyl phenyl ether, ug/l	<10	10	---	---	---
p-Chloroaniline, ug/l	<20	20	---	---	---
4-Chloro-3-methylphenol, ug/l	<10	10	142	138	200
2-Chloronaphthalene, ug/l	<10	10	---	---	---
2-Chlorophenol, ug/l	<10	10	133	128	200
4-Chlorophenylphenyl ether, ug/l	<10	10	---	---	---
Chrysene, ug/l	<10	10	---	---	---
Dibenz(a,h)anthracene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Dibenzofuran, ug/l	<10	10	---	---	---
Di-n-butylphthalate, ug/l	<10	10	---	---	---
1,2-Dichlorobenzene, ug/l	<10	10	---	---	---
1,3-Dichlorobenzene, ug/l	<10	10	---	---	---
1,4-Dichlorobenzene, ug/l	<10	10	62.7	63.7	100
2,4-Dichlorophenol, ug/l	<10	10	---	---	---
2,6-Dichlorophenol, ug/l	<10	10	---	---	---
Diethylphthalate, ug/l	<10	10	---	---	---
3,3'-Dimethylbenzidine, ug/l	<20	20	---	---	---
2,4-Dimethylphenol, ug/l	<10	10	---	---	---
Dimethylphthalate, ug/l	<10	10	---	---	---
2,4-Dinitrophenol, ug/l	<50	50	---	---	---
2,4-Dinitrotoluene, ug/l	<10	10	77.2	80.0	100
2,6-Dinitrotoluene, ug/l	<10	10	---	---	---
Di-n-octylphthalate, ug/l	<10	10	---	---	---
Fluoranthene, ug/l	<10	10	---	---	---
Fluorene, ug/l	<10	10	---	---	---
Hexachlorobenzene, ug/l	<10	10	---	---	---
Hexachlorobutadiene, ug/l	<10	10	---	---	---
Hexachlorocyclopentadiene, ug/l	<10	10	---	---	---
Hexachloroethane, ug/l	<10	10	---	---	---
Indeno(1,2,3-cd)pyrene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Isophorone, ug/l	<10	10	---	---	---
2-Methyl-4,6-dinitrophenol, ug/l	<50	50	---	---	---
2-Methylnaphthalene, ug/l	<10	10	---	---	---
2-Methylphenol (o-cresol), ug/l	<10	10	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	10	---	---	---
Naphthalene, ug/l	<10	10	---	---	---
2-Nitroaniline, ug/l	<50	50	---	---	---
3-Nitroaniline, ug/l	<50	50	---	---	---
4-Nitroaniline, ug/l	<50	50	---	---	---
Nitrobenzene, ug/l	<10	10	---	---	---
2-Nitrophenol, ug/l	<10	10	---	---	---
4-Nitrophenol, ug/l	<50	50	86.5	88.9	200
N-Nitrosodimethylamine, ug/l	<10	10	---	---	---
n-Nitrosodi-n-propylamine, ug/l	<10	10	71.2	66.0	100
Pentachlorophenol, ug/l	<50	50	166	163	200
Phenanthrene, ug/l	<10	10	---	---	---
Phenol, ug/l	<10	10	116	111	200
Pyrene, ug/l	<10	10	92.6	90.3	100
Pyridine, ug/l	<200	200	---	---	---
2,3,4,6-Tetrachlorophenol, ug/l	<50	50	---	---	---
1,2,4-Trichlorobenzene, ug/l	<10	10	83.4	85.5	100

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
2,4,5-Trichlorophenol, ug/l	<10	10	---	---	---
2,4,6-Trichlorophenol, ug/l	<10	10	---	---	---
Surrogate-2-Fluorophenol	51 %	---	52 %	50 %	---
Surrogate-Phenol-d5	54 %	---	55 %	52 %	---
Surrogate-Nitrobenzene-d5	55 %	---	56 %	54 %	---
Surrogate-2-Fluorobiphenyl	69 %	---	69 %	69 %	---
Surrogate-2,4,6-Tribromophenol	69 %	---	74 %	74 %	---
Surrogate-4-Terphenyl-d14	80 %	---	80 %	75 %	---
Date Extracted	06.20.95	---	06.20.95	06.20.95	---
Date Analyzed	06.26.95	---	06.26.95	06.26.95	---
Batch ID	0620A	---	0620A	0620A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Metals by ICP (6010)					
Antimony, mg/l	<0.050	0.050	1.00	0.985	1.00
Arsenic, mg/l	<0.010	0.010	1.01	0.991	1.00
Barium, mg/l	<0.010	0.010	1.04	1.04	1.00
Beryllium, mg/l	<0.0040	0.0040	1.01	0.997	1.00
Cadmium, mg/l	<0.0050	0.0050	0.995	0.980	1.00
Chromium, mg/l	<0.010	0.010	1.02	0.999	1.00
Copper, mg/l	<0.025	0.025	1.02	1.00	1.00
Lead, mg/l	<0.0050	0.0050	1.01	0.993	1.00
Nickel, mg/l	<0.040	0.040	1.02	1.00	1.00
Selenium, mg/l	<0.010	0.010	0.979	0.966	1.00
Silver, mg/l	<0.010	0.010	1.04	1.03	1.00
Thallium, mg/l	<0.010	0.010	0.971	0.957	1.00
Zinc, mg/l	<0.020	0.020	0.963	0.943	1.00
Prep or Extraction Date	06.20.95	---	06.20.95	06.20.95	---
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---
Batch ID	0620J	---	0620J	0620J	---
Mercury (7470/7471)					
Mercury, mg/l	<0.00020	0.00020	0.00117	0.00115	0.00100
Prep or Extraction Date	06.22.95	---	06.22.95	06.22.95	---
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---
Batch ID	0622U	---	0622U	0622U	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-39	Method Blank Result
11787-40	Reporting Limit
11787-41	Lab Control Standard Result
11787-42	LCS Duplicate Result
11787-43	LCS Expected Value

PARAMETER	11787-39	11787-40	11787-41	11787-42	11787-43
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.010	0.107	0.108	0.116
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---
Batch ID	0621C	---	0621C	0621C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-44	LCS/LCSD % Recovery
11787-45	Accuracy Control Limits
11787-46	Precision (% RPD) of LCS/LCSD
11787-47	Precision Control Limit

PARAMETER	11787-44	11787-45	11787-46	11787-47
Volatile Organic Compounds (8240)				
Benzene, %	95/99 %	69-132 %	4.1 %	<35 %
Chlorobenzene, %	90/94 %	52-150 %	4.3 %	<16 %
1,1-Dichloroethene, %	86/93 %	26-155 %	7.8 %	<16 %
Toluene, %	94/97 %	62-141 %	3.1 %	<24 %
Trichloroethene, %	97/100 %	64-131 %	3.1 %	<24 %
Surrogate - Dibromofluoromethane	---	86-118 %	---	---
Surrogate - Toluene-d8	---	77-120 %	---	---
Surrogate - 4-Bromofluorobenzene	---	80-125 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-44	LCS/LCSD % Recovery
11787-45	Accuracy Control Limits
11787-46	Precision (% RPD) of LCS/LCSD
11787-47	Precision Control Limit

PARAMETER	11787-44	11787-45	11787-46	11787-47
Semivolatile Organics (8270)				
Acenaphthene, %	74/75 %	60-122 %	1.3 %	<25 %
4-Chloro-3-methylphenol, %	71/69 %	56-118 %	2.9 %	<20 %
2-Chlorophenol, %	66/64 %	54-107 %	3.1 %	<26 %
1,4-Dichlorobenzene, %	63/64 %	47-103 %	1.6 %	<45 %
2,4-Dinitrotoluene, %	77/80 %	42-166 %	3.8 %	<33 %
4-Nitrophenol, %	43/44 %	17-153 %	2.3 %	<33 %
n-Nitrosodi-n-propylamine, %	71/66 %	40-145 %	7.3 %	<39 %
Pentachlorophenol, %	83/82 %	16-138 %	1.2 %	<33 %
Phenol, %	58/56 %	40-113 %	3.5 %	<31 %
Pyrene, %	93/90 %	46-168 %	3.3 %	<36 %
1,2,4-Trichlorobenzene, %	83/86 %	56-118 %	3.6 %	<31 %
Surrogate-2-Fluorophenol	---	10-104 %	---	---
Surrogate-Phenol-d5	---	10-106 %	---	---
Surrogate-Nitrobenzene-d5	---	32-117 %	---	---
Surrogate-2-Fluorobiphenyl	---	31-118 %	---	---
Surrogate-2,4,6-Tribromophenol	---	41-143 %	---	---
Surrogate-4-Terphenyl-d14	---	33-141 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-44	LCS/LCSD % Recovery
11787-45	Accuracy Control Limits
11787-46	Precision (% RPD) of LCS/LCSD
11787-47	Precision Control Limit

PARAMETER	11787-44	11787-45	11787-46	11787-47
Metals by ICP (6010)				
Antimony, %	100/98 %	75-125 %	2.0 %	<20 %
Arsenic, %	101/99 %	75-125 %	2.0 %	<20 %
Barium, %	104/104 %	75-125 %	0 %	<20 %
Beryllium, %	101/100 %	75-125 %	1.0 %	<20 %
Cadmium, %	100/98 %	75-125 %	2.0 %	<20 %
Chromium, %	102/100 %	75-125 %	2.0 %	<20 %
Copper, %	102/100 %	75-125 %	2.0 %	<20 %
Lead, %	101/99 %	75-125 %	2.0 %	<20 %
Nickel, %	102/100 %	75-125 %	2.0 %	<20 %
Selenium, %	98/97 %	75-125 %	1.0 %	<20 %
Silver, %	104/103 %	75-125 %	0.97 %	<20 %
Thallium, %	97/96 %	75-125 %	1.0 %	<20 %
Zinc, %	96/94 %	75-125 %	2.1 %	<20 %
Mercury (7470/7471)				
Mercury, %	117/115 %	75-125 %	1.7 %	<20 %
Cyanide (9012)				
Cyanide, %	92/93 %	85-115 %	1.1 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-48	Matrix Spike Result
11787-49	MS Duplicate Result
11787-50	MS Expected Value
11787-51	MS/MSD % Recovery
11787-52	Accuracy Control Limits

PARAMETER	11787-48	11787-49	11787-50	11787-51	11787-52
Volatile Organic Compounds (8240)					
Benzene, ug/l	9.76	9.66	10.0	98/97 %	69-132 %
Chlorobenzene, ug/l	8.65	9.94	10.0	86/99 %	52-150 %
1,1-Dichloroethene, ug/l	6.87	7.14	10.0	69/71 %	26-155 %
Toluene, ug/l	9.24	7.99	10.0	92/80 %	62-141 %
Trichloroethene, ug/l	8.79	10.2	10.0	88/102 %	64-131 %
Surrogate - Dibromofluoromethane	93 %	88 %	---	---	86-118 %
Surrogate - Toluene-d8	99 %	80 %	---	---	77-120 %
Surrogate - 4-Bromofluorobenzene	113 %	111 %	---	---	80-125 %
Date Analyzed	06.22.95	06.22.95	---	---	---
Batch ID	0619B	0619B	---	---	---
Clock ID	1I0622	1I0622	---	---	---
Semivolatile Organics (8270)					
Acenaphthene, ug/l	*F82	*F82	---	---	---
4-Chloro-3-methylphenol, ug/l	*F82	*F82	---	---	---
2-Chlorophenol, ug/l	*F82	*F82	---	---	---
1,4-Dichlorobenzene, ug/l	*F82	*F82	---	---	---
2,4-Dinitrotoluene, ug/l	*F82	*F82	---	---	---
4-Nitrophenol, ug/l	*F82	*F82	---	---	---
n-Nitrosodi-n-propylamine, ug/l	*F82	*F82	---	---	---
Pentachlorophenol, ug/l	*F82	*F82	---	---	---
Phenol, ug/l	*F82	*F82	---	---	---
Pyrene, ug/l	*F82	*F82	---	---	---
1,2,4-Trichlorobenzene, ug/l	*F82	*F82	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-48	Matrix Spike Result
11787-49	MS Duplicate Result
11787-50	MS Expected Value
11787-51	MS/MSD % Recovery
11787-52	Accuracy Control Limits

PARAMETER	11787-48	11787-49	11787-50	11787-51	11787-52
Metals by ICP (6010)					
Antimony, mg/l	1.02	1.03	1.00	102/103 %	80-120 %
Arsenic, mg/l	1.05	1.05	1.00	105/105 %	80-120 %
Barium, mg/l	1.04	1.04	1.00	104/104 %	80-120 %
Beryllium, mg/l	1.02	1.02	1.00	102/102 %	80-120 %
Cadmium, mg/l	1.02	1.03	1.00	102/103 %	80-120 %
Chromium, mg/l	1.05	1.05	1.00	105/105 %	80-120 %
Copper, mg/l	1.04	1.04	1.00	104/104 %	80-120 %
Lead, mg/l	1.04	1.05	1.00	104/105 %	80-120 %
Nickel, mg/l	1.04	1.04	1.00	104/104 %	80-120 %
Selenium, mg/l	1.00	1.01	1.00	100/101 %	80-120 %
Silver, mg/l	0.732	1.15	1.00	73/115%*F7	80-120 %
Thallium, mg/l	1.01	1.01	1.00	101/101 %	80-120 %
Zinc, mg/l	1.05	1.05	1.00	105/105 %	80-120 %
Prep or Extraction Date	06.20.95	06.20.95	---	---	---
Date Analyzed	06.21.95	06.21.95	---	---	---
Batch ID	0620J	0620J	---	---	---
Mercury (7470/7471)					
Mercury, mg/l	0.00106	0.00106	0.00100	106/106 %	75-125 %
Prep or Extraction Date	06.22.95	06.22.95	---	---	---
Date Analyzed	06.22.95	06.22.95	---	---	---
Batch ID	0622U	0622U	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-48	Matrix Spike Result
11787-49	MS Duplicate Result
11787-50	MS Expected Value
11787-51	MS/MSD % Recovery
11787-52	Accuracy Control Limits

PARAMETER	11787-48	11787-49	11787-50	11787-51	11787-52
Cyanide (9012)					
Cyanide, mg/l	0.161	0.164	0.200	80/82 %	75-125 %
Date Analyzed	06.21.95	06.21.95	---	---	---
Batch ID	0621C	0621C	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-53	Precision (% RPD) of MS/MSD
11787-54	Precision Control Limit

PARAMETER	11787-53	11787-54
Volatile Organic Compounds (8240)		
Benzene, %	1.0 %	<35 %
Chlorobenzene, %	14 %	<16 %
1,1-Dichloroethene, %	2.9 %	<16 %
Toluene, %	14 %	<24 %
Trichloroethene, %	15 %	<16 %
Semivolatile Organics (8270)		
Acenaphthene, ug/l	---	---
4-Chloro-3-methylphenol, ug/l	---	---
2-Chlorophenol, ug/l	---	---
1,4-Dichlorobenzene, ug/l	---	---
2,4-Dinitrotoluene, ug/l	---	---
4-Nitrophenol, ug/l	---	---
n-Nitrosodi-n-propylamine, ug/l	---	---
Pentachlorophenol, ug/l	---	---
Phenol, ug/l	---	---
Pyrene, ug/l	---	---
1,2,4-Trichlorobenzene, ug/l	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

11787-53 Precision (% RPD) of MS/MSD
11787-54 Precision Control Limit

PARAMETER	11787-53	11787-54
Metals by ICP (6010)		
Antimony, %	0.98 %	<20 %
Arsenic, %	0 %	<20 %
Barium, %	0 %	<20 %
Beryllium, %	0 %	<20 %
Cadmium, %	0.98 %	<20 %
Chromium, %	0 %	<20 %
Copper, %	0 %	<20 %
Lead, %	0.96 %	<20 %
Nickel, %	0 %	<20 %
Selenium, %	1.0 %	<20 %
Silver, %	45 %	<20 %
Thallium, %	0 %	<20 %
Zinc, %	0 %	<20 %
Mercury (7470/7471)		
Mercury, %	0 %	<20 %
Cyanide (9012)		
Cyanide, %	2.5 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-55	Initial Calibration Verification Standard Result
11787-56	ICVS % Recovery
11787-57	ICVS Calibration Blank Result
11787-58	Continuing CVS Result
11787-59	CCVS % Recovery

PARAMETER	11787-55	11787-56	11787-57	11787-58	11787-59
Metals by ICP (6010)					
Antimony, mg/l	0.991	99 %	<0.050	1.00	100 %
Arsenic, mg/l	1.02	102 %	<0.010	1.00	100 %
Barium, mg/l	1.02	102 %	<0.010	1.02	102 %
Beryllium, mg/l	1.02	102 %	<0.0040	1.01	101 %
Cadmium, mg/l	1.03	103 %	<0.0050	1.00	100 %
Chromium, mg/l	1.02	102 %	<0.010	0.997	100 %
Copper, mg/l	1.03	103 %	<0.025	1.02	102 %
Lead, mg/l	1.00	100 %	<0.0050	1.00	100 %
Nickel, mg/l	1.03	103 %	<0.0040	1.02	102 %
Selenium, mg/l	1.02	102 %	<0.010	0.979	98 %
Silver, mg/l	0.984	98 %	<0.010	1.02	102 %
Thallium, mg/l	1.04	104 %	<0.010	0.996	100 %
Zinc, mg/l	1.03	103 %	<0.010	0.967	97 %
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00354	97 %	<0.00020	0.00353	97 %
Date Analyzed	06.22.95	---	06.22.95	06.22.95	---
Cyanide (9012)					
Cyanide, mg/l	0.127	110 %	<0.010	0.107	92 %
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-60	CCVS Calibration Blank Result
11787-61	CVS Expected Value
11787-62	CVS Control Limits

PARAMETER	11787-60	11787-61	11787-62
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	06.21.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	06.22.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115 %
Date Analyzed	06.21.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-63	Method Blank #2 Result
11787-64	Method Blank #3 Result

PARAMETER	11787-63	11787-64
Volatile Organic Compounds (8240)		
Acetone, ug/kg dw	<25	<25
Acrolein, ug/kg dw	<100	<100
Acrylonitrile, ug/kg dw	<100	<100
Benzene, ug/kg dw	<5.0	<5.0
Bromodichloromethane, ug/kg dw	<5.0	<5.0
Bromoform, ug/kg dw	<5.0	<5.0
Bromomethane, ug/kg dw	<10	<10
2-Butanone (MEK), ug/kg dw	<25	<25
Carbon disulfide, ug/kg dw	<5.0	<5.0
Carbon tetrachloride, ug/kg dw	<5.0	<5.0
Chlorobenzene, ug/kg dw	<5.0	<5.0
Chloroethane, ug/kg dw	<10	<10
2-Chloroethylvinyl ether, ug/kg dw	<50	<50
Chloroform, ug/kg dw	<5.0	<5.0
Chloromethane, ug/kg dw	<10	<10
Dibromochloromethane, ug/kg dw	<5.0	<5.0
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	<5.0
Dibromomethane, ug/kg dw	<5.0	<5.0
trans-1,4-Dichloro-2-butene, ug/kg dw	<10	<10
Dichlorodifluoromethane, ug/kg dw	<5.0	<5.0
1,1-Dichloroethane, ug/kg dw	<5.0	<5.0
1,2-Dichloroethane, ug/kg dw	<5.0	<5.0
trans-1,2-Dichloroethene, ug/kg dw	<5.0	<5.0
1,1-Dichloroethene, ug/kg dw	<5.0	<5.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11787-63	Method Blank #2 Result
11787-64	Method Blank #3 Result

PARAMETER	11787-63	11787-64
1,2-Dichloropropane, ug/kg dw	<5.0	<5.0
cis-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0
trans-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0
Ethylbenzene, ug/kg dw	<5.0	<5.0
Ethyl methacrylate, ug/kg dw	<5.0	<5.0
2-Hexanone, ug/kg dw	<25	<25
Iodomethane, ug/kg dw	<5.0	<5.0
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	<5.0
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	<25
Styrene, ug/kg dw	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	<5.0
Tetrachloroethene, ug/kg dw	<5.0	<5.0
Toluene, ug/kg dw	<5.0	<5.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	<5.0
1,1,2-Trichloroethane, ug/kg dw	<5.0	<5.0
Trichloroethene, ug/kg dw	<5.0	<5.0
Trichlorofluoromethane, ug/kg dw	<5.0	<5.0
1,2,3-Trichloropropane, ug/kg dw	<5.0	<5.0
Vinyl acetate, ug/kg dw	<10	<10
Vinyl chloride, ug/kg dw	<10	<10
Xylenes, ug/kg dw	<5.0	<5.0
Surrogate - Dibromofluoromethane	110 %	106 %
Surrogate - Toluene-d8	105 %	101 %
Surrogate - 4-Bromofluorobenzene	106 %	106 %
Date Analyzed	06.21.95	06.22.95
Batch ID	0619A	0619A
Clock ID	1J0621	1J0622

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

11787-65 Method Blank #2 Result

PARAMETER	11787-65
Volatile Organic Compounds (8240)	
Acetone, ug/l	<10
Acrolein, ug/l	<20
Acrylonitrile, ug/l	<20
Benzene, ug/l	<1.0
Bromodichloromethane, ug/l	<1.0
Bromoform, ug/l	<2.0
Bromomethane, ug/l	<2.0
2-Butanone (MEK), ug/l	<10
Carbon disulfide, ug/l	<1.0
Carbon tetrachloride, ug/l	<1.0
Chlorobenzene, ug/l	<1.0
Chloroethane, ug/l	<1.0
2-Chloroethylvinyl ether, ug/l	<10
Chloroform, ug/l	<1.0
Chloromethane, ug/l	<1.0
Dibromochloromethane, ug/l	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0
Dibromomethane, ug/l	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0
Dichlorodifluoromethane, ug/l	<1.0
1,1-Dichloroethane, ug/l	<1.0
1,2-Dichloroethane, ug/l	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0
1,1-Dichloroethene, ug/l	<1.0
1,2-Dichloropropane, ug/l	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

11787-65 Method Blank #2 Result

PARAMETER	11787-65
cis-1,3-Dichloropropene, ug/l	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0
Ethylbenzene, ug/l	<1.0
Ethyl methacrylate, ug/l	<1.0
2-Hexanone, ug/l	<10
Iodomethane, ug/l	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10
Styrene, ug/l	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0
Tetrachloroethene, ug/l	<1.0
Toluene, ug/l	<1.0
1,1,1-Trichloroethane, ug/l	<1.0
1,1,2-Trichloroethane, ug/l	<1.0
Trichloroethene, ug/l	<1.0
Trichlorofluoromethane, ug/l	<1.0
1,2,3-Trichloropropane, ug/l	<1.0
Vinyl acetate, ug/l	<2.0
Vinyl chloride, ug/l	<1.0
Xylenes, ug/l	<1.0
Surrogate - Dibromofluoromethane	103 %
Surrogate - Toluene-d8	111 %
Surrogate - 4-Bromofluorobenzene	119 %
Date Analyzed	06.22.95
Batch ID	0619B
Clock ID	1I0622

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11787

Received: 16 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF00320.013/Sloss/LTO#09746/SL+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11787-65	Method Blank #2 Result

PARAMETER	11787-65

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

J=The flag 'J' indicates the presence of a compound that meets the identification criteria, but the result is less than the sample PQL and greater than the MDL.

*F7=Matrix spike recoveries were outside advisory limits due to matrix interference present in the sample.

*F53=Because surrogate recoveries were outside established limits, the sample was re-extracted and/or re-analyzed. Comparable results were obtained.

*F65=Elevated detection limits were reported due to sample matrix interference which required sample or extract dilution.

*F82=Insufficient sample volume was available to perform a batch-specific matrix spike. However, an LCS analyzed with the sample batch met control criteria.

Elizabeth L. Schneider
Elizabeth L. Schneider

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

Project Number TE0320.013

Project Location SWSS-ALABAMA

Laboratory SAVANNAH

Sampler(s)/Affiliation J. INGLES (GSM)

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: EPA 8240 (VOCs) 40 ml GLASS VIAL	EPA 9012 (CYANIDE) 1 LIOM PLASTIC JAR	PHENOLS (SULFATE REMOVED) & AMMONIA & MERCURY 1 LIOM PLASTIC JAR	EPA 8240 (VOCs) 1 LIOM GLASS JAR	EPA 8270 (SEMIVOLATILES) 100 ml GLASS JAR	TEMP BLANK 40 ml PLASTIC JAR				TOTAL
TEMP BLANK	L	—							1				1
950615-FW-00-FB001	L	6/15/95 815		3									3
950615-FW-00-SLEB21	L	840		3									3
950615-FW-00-TB0021	L	—		3									3
0615-FW-00-SL0001 (0-2)	S	905			1	1	1	1					4
50615-FW-00-SL0001 (8-10)	S	945			1	1	1	1					4
615-FW-00-SL0001 (12-14)	S	1010			1	1	1	1					4
615-FW-00-SL0002 (0-2)	S	1125			1	1	1	1					4
615-FW-00-SL0002 (8-10)	S	1155			1	1	1	1					4
615-FW-00-SL0002 (12-14)	S	1210			1	1	1	1					4
0615-FW-00-SL0003 (0-2)	S	1435			1	1	1	1					4
615-FW-00-SL0003 (6-8)	S	1500			1	1	1	1					4
0615-FW-00-SL0003 (10-12)	S	1515			1	1	1	1					4
0615-FW-00-SL0003	S	6/15/95 —			1	1	1	1					4
0615-FW-00-PW0001	L	6/15/95 1730		3									3

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: ~~50~~ 53

Relinquished by:	Organization: GSM (TAMPA)	Date 6/15/95	Time 1930	Seal Intact? (Yes) No N/A
Received by:	Organization: SAVANNAH LABS	Date 6/16/95	Time 0930	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: RECEIVED 1 VIAL (950615-FW-00-SLEB22) broken

DIRECT ANY/ALL QUESTIONS TO CINDY LEE (813-961-1921) OR KATHY TWITMAN (205) 410-5590

+ NOTE SAMPLE LABELS DO NOT INDICATE MERCURY IN ANALYSIS BUT PLEASE ANALYZE FOR THIS ELEMENT

Delivery Method: ☐ In Person ☑ Common Carrier FED EX ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

GM Form 09.0.91 Southprint 91-1764

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TEE320.013

Project Location SLOSS - BIRMINGHAM, ALA

Laboratory SAVANNAH

Sampler(s)/Affiliation J. HUGHES G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TEMPBLANK 50ml PLASTIC JAR	EPA 9012 (CYANIDE) 1 LITER PLASTIC JUG NaOH	BRIGHT POLLUTANTS METALS + BARIUM 250ml PLASTIC JAR HNO3	MERCURY 250ml GLASS JAR HNO3	EPA 8270 (VOCS) (SEMIVOLATILES) 1L AMBER GLASS JAR					TOTAL
TEMPBLANK	L	—		1									1
950615-FW-00-PB0021	L	6/15/95 815			1	1	1	2					5
50615-FW-00-SLEB27	L	↕ 890			1	1	1	2					5
50615-FW-00-PW0001	L	6/15/95 1730			1	1	1	2					5

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 16

Relinquished by: [signature]	Organization: G&M TAMPA	Date 6/15/95 Time 1930	Seal Intact?
Received by: [signature]	Organization: SAVANNAH LABS	Date 6/16/95 Time 0930	(Yes) No N/A
Relinquished by:	Organization:	Date / / Time	Seal Intact?
Received by:	Organization:	Date / / Time	Yes No N/A

Special Instructions/Remarks:
DIRECT ANY/ALL QUESTIONS TO CINDY LEE (813-961-1921) OR KATHY THALMAN ((205) 910-5540)

Delivery Method: ☐ In Person ☒ Common Carrier FED EX ☐ Lab Courier ☐ Other _____

G&M Form 09.9.91 Southprint 91 1768

000089

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
Volatile Organic Compounds (8240)		
Acetone, ug/kg dw	<28	<28
Acrolein, ug/kg dw	<110	<110
Acrylonitrile, ug/kg dw	<110	<110
Benzene, ug/kg dw	<5.7	<5.6
Bromodichloromethane, ug/kg dw	<5.7	<5.6
Bromoform, ug/kg dw	<5.7	<5.6
Bromomethane, ug/kg dw	<11	<11
2-Butanone (MEK), ug/kg dw	<28	<28
Carbon disulfide, ug/kg dw	<5.7	<5.6
Carbon tetrachloride, ug/kg dw	<5.7	<5.6
Chlorobenzene, ug/kg dw	<5.7	<5.6
Chloroethane, ug/kg dw	<11	<11
2-Chloroethylvinyl ether, ug/kg dw	<57	<56
Chloroform, ug/kg dw	<5.7	<5.6
Chloromethane, ug/kg dw	<11	<11
Dibromochloromethane, ug/kg dw	<5.7	<5.6
1,2-Dibromoethane (EDB) , ug/kg dw	<5.7	<5.6
Dibromomethane, ug/kg dw	<5.7	<5.6
trans-1,4-Dichloro-2-butene, ug/kg dw	<11	<11
Dichlorodifluoromethane, ug/kg dw	<5.7	<5.6
1,1-Dichloroethane, ug/kg dw	<5.7	<5.6
1,2-Dichloroethane, ug/kg dw	<5.7	<5.6
trans-1,2-Dichloroethene, ug/kg dw	<5.7	<5.6
1,1-Dichloroethene, ug/kg dw	<5.7	<5.6

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
1,2-Dichloropropane, ug/kg dw	<5.7	<5.6
cis-1,3-Dichloropropene, ug/kg dw	<5.7	<5.6
trans-1,3-Dichloropropene, ug/kg dw	<5.7	<5.6
Ethylbenzene, ug/kg dw	<5.7	<5.6
Ethyl methacrylate, ug/kg dw	<5.7	<5.6
2-Hexanone, ug/kg dw	<28	<28
Iodomethane, ug/kg dw	<5.7	<5.6
Methylene chloride (Dichloromethane), ug/kg dw	<5.7	6.0
4-Methyl-2-pentanone (MIBK), ug/kg dw	<28	<28
Styrene, ug/kg dw	<5.7	<5.6
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.7	<5.6
Tetrachloroethene, ug/kg dw	<5.7	<5.6
Toluene, ug/kg dw	<5.7	<5.6
1,1,1-Trichloroethane, ug/kg dw	<5.7	<5.6
1,1,2-Trichloroethane, ug/kg dw	<5.7	<5.6
Trichloroethene, ug/kg dw	<5.7	<5.6
Trichlorofluoromethane, ug/kg dw	<5.7	<5.6
1,2,3-Trichloropropane, ug/kg dw	<5.7	<5.6
Vinyl acetate, ug/kg dw	<11	<11
Vinyl chloride, ug/kg dw	<11	<11
Xylenes, ug/kg dw	<5.7	<5.7
Surrogate - Dibromofluoromethane	103 %	101 %
Surrogate - Toluene-d8	94 %	91 %
Surrogate - 4-Bromofluorobenzene	109 %	94 %
Date Analyzed	07.06.95	07.06.95
Batch ID	0630B	0630B
Clock ID	1J0706	1J0706

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
Semivolatile Organics (8270)		
Acenaphthene, ug/kg dw	<400	<380
Acenaphthylene, ug/kg dw	<400	<380
Anthracene, ug/kg dw	<400	<380
Benzo(a)anthracene, ug/kg dw	<400	<380
Benzo(b)fluoranthene, ug/kg dw	<400	<380
Benzo(k)fluoranthene, ug/kg dw	<400	<380
Benzo(g,h,i)perylene, ug/kg dw	<400	<380
Benzo(a)pyrene, ug/kg dw	<400	<380
Benzyl alcohol, ug/kg dw	<400	<380
bis(2-Chloroethoxy)methane, ug/kg dw	<400	<380
bis(2-Chloroethyl)ether, ug/kg dw	<400	<380
bis(2-Chloroisopropyl)ether, ug/kg dw	<400	<380
bis(2-Ethylhexyl)phthalate, ug/kg dw	<400	<380
4-Bromophenyl phenyl ether, ug/kg dw	<400	<380
p-Chloroaniline, ug/kg dw	<800	<760
4-Chloro-3-methylphenol, ug/kg dw	<400	<380
2-Chloronaphthalene, ug/kg dw	<400	<380
2-Chlorophenol, ug/kg dw	<400	<380
4-Chlorophenylphenyl ether, ug/kg dw	<400	<380
Chrysene, ug/kg dw	<400	<380
Dibenz(a,h)anthracene, ug/kg dw	<400	<380
Dibenzofuran, ug/kg dw	<400	<380
Di-n-butylphthalate, ug/kg dw	<400	<380
1,2-Dichlorobenzene, ug/kg dw	<400	<380

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
1,3-Dichlorobenzene, ug/kg dw	<400	<380
1,4-Dichlorobenzene, ug/kg dw	<400	<380
2,4-Dichlorophenol, ug/kg dw	<400	<380
2,6-Dichlorophenol, ug/kg dw	<400	<380
Diethylphthalate, ug/kg dw	<400	<380
3,3'-Dimethylbenzidine, ug/kg dw	<800	<760
2,4-Dimethylphenol, ug/kg dw	<400	<380
Dimethylphthalate, ug/kg dw	<400	<380
2,4-Dinitrophenol, ug/kg dw	<2000	<1900
2,4-Dinitrotoluene, ug/kg dw	<400	<380
2,6-Dinitrotoluene, ug/kg dw	<400	<380
Di-n-octylphthalate, ug/kg dw	32J	<380
Fluoranthene, ug/kg dw	<400	<380
Fluorene, ug/kg dw	<400	<380
Hexachlorobenzene, ug/kg dw	<400	<380
Hexachlorobutadiene, ug/kg dw	<400	<380
Hexachlorocyclopentadiene, ug/kg dw	<400	<380
Hexachloroethane, ug/kg dw	<400	<380
Indeno(1,2,3-cd)pyrene, ug/kg dw	<400	<380
Isophorone, ug/kg dw	<400	<380
2-Methyl-4,6-dinitrophenol, ug/kg dw	<2000	<1900
2-Methylnaphthalene, ug/kg dw	<400	<380
2-Methylphenol (o-cresol), ug/kg dw	<400	<380
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<400	<380
Naphthalene, ug/kg dw	<400	<380

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
2-Nitroaniline, ug/kg dw	<2000	<1900
3-Nitroaniline, ug/kg dw	<2000	<1900
4-Nitroaniline, ug/kg dw	<2000	<1900
Nitrobenzene, ug/kg dw	<400	<380
2-Nitrophenol, ug/kg dw	<400	<380
4-Nitrophenol, ug/kg dw	<2000	<1900
N-Nitrosodimethylamine, ug/kg dw	<400	<380
n-Nitrosodi-n-propylamine, ug/kg dw	<400	<380
Pentachlorophenol, ug/kg dw	<2000	<1900
Phenanthrene, ug/kg dw	<400	<380
Phenol, ug/kg dw	<400	<380
Pyrene, ug/kg dw	<400	<380
Pyridine, ug/kg dw	<400	<380
2,3,4,6-Tetrachlorophenol, ug/kg dw	<2000	<1900
1,2,4-Trichlorobenzene, ug/kg dw	<400	<380
2,4,5-Trichlorophenol, ug/kg dw	<400	<380
2,4,6-Trichlorophenol, ug/kg dw	<400	<380
Surrogate-2-Fluorophenol	63 %	71 %
Surrogate-Phenol-d5	67 %	74 %
Surrogate-Nitrobenzene-d5	60 %	68 %
Surrogate-2-Fluorobiphenyl	65 %	74 %
Surrogate-2,4,6-Tribromophenol	51 %	50 %
Surrogate-4-Terphenyl-d14	85 %	88 %
Date Extracted	07.03.95	07.03.95
Date Analyzed	07.05.95	07.05.95
Batch ID	0703K	0703K

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949-4	950629-FW-00-SL0004(0-2)	06-29-95
11949-5	950629-FW-00-SL0004(16-18)	06-29-95

PARAMETER	11949-4	11949-5
Metals by ICP (6010)		
Antimony, mg/kg dw	<5.0	<5.0
Arsenic, mg/kg dw	13	1.9
Barium, mg/kg dw	28	21
Beryllium, mg/kg dw	0.44	0.97
Cadmium, mg/kg dw	<0.50	<0.50
Chromium, mg/kg dw	22	8.6
Copper, mg/kg dw	8.1	7.8
Lead, mg/kg dw	5.0	7.5
Nickel, mg/kg dw	10	15
Selenium, mg/kg dw	<1.0	<1.0
Silver, mg/kg dw	<1.0	<1.0
Thallium, mg/kg dw	<1.0	<1.0
Zinc, mg/kg dw	25	14
Prep or Extraction Date	07.03.95	07.03.95
Date Analyzed	07.03.95	07.03.95
Batch ID	0703C	0703C
Mercury (7470/7471)		
Mercury, mg/kg dw	<0.030	<0.030
Prep or Extraction Date	07.01.95	07.01.95
Date Analyzed	07.03.95	07.03.95
Batch ID	0701R	0701R
Cyanide (9012)		
Cyanide, mg/kg dw	<1.2	<1.1
Date Analyzed	07.14*F99	07.14*F99
Batch ID	0713K	0713K

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Volatile Organic Compounds (8240)					
Acetone, ug/l	<10	10	---	---	---
Acrolein, ug/l	<20	20	---	---	---
Acrylonitrile, ug/l	<20	20	---	---	---
Benzene, ug/l	<1.0	1.0	9.34	8.99	10.0
Bromodichloromethane, ug/l	<1.0	1.0	---	---	---
Bromoform, ug/l	<1.0	1.0	---	---	---
Bromomethane, ug/l	<2.0	2.0	---	---	---
2-Butanone (MEK), ug/l	<10	10	---	---	---
Carbon disulfide, ug/l	<1.0	1.0	---	---	---
Carbon tetrachloride, ug/l	<1.0	1.0	---	---	---
Chlorobenzene, ug/l	<1.0	1.0	9.51	9.09	10.0
Chloroethane, ug/l	<1.0	1.0	---	---	---
2-Chloroethylvinyl ether, ug/l	<10	10	---	---	---
Chloroform, ug/l	<1.0	1.0	---	---	---
Chloromethane, ug/l	<1.0	1.0	---	---	---
Dibromochloromethane, ug/l	<1.0	1.0	---	---	---
1,2-Dibromoethane (EDB) , ug/l	<1.0	1.0	---	---	---
Dibromomethane, ug/l	<1.0	1.0	---	---	---
trans-1,4-Dichloro-2-butene, ug/l	<2.0	2.0	---	---	---
Dichlorodifluoromethane, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
1,2-Dichloroethane, ug/l	<1.0	1.0	---	---	---
trans-1,2-Dichloroethene, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethene, ug/l	<1.0	1.0	9.54	8.22	10.0
1,2-Dichloropropane, ug/l	<1.0	1.0	---	---	---
cis-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
trans-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
Ethylbenzene, ug/l	<1.0	1.0	---	---	---
Ethyl methacrylate, ug/l	<1.0	1.0	---	---	---
2-Hexanone, ug/l	<10	10	---	---	---
Iodomethane, ug/l	<1.0	1.0	---	---	---
Methylene chloride (Dichloromethane), ug/l	<1.0	1.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<10	10	---	---	---
Styrene, ug/l	<1.0	1.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	<1.0	1.0	---	---	---
Tetrachloroethene, ug/l	<1.0	1.0	---	---	---
Toluene, ug/l	<1.0	1.0	9.65	9.24	10.0
1,1,1-Trichloroethane, ug/l	<1.0	1.0	---	---	---
1,1,2-Trichloroethane, ug/l	<1.0	1.0	---	---	---
Trichloroethene, ug/l	<1.0	1.0	10.4	9.87	10.0
Trichlorofluoromethane, ug/l	<1.0	1.0	---	---	---
1,2,3-Trichloropropane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Vinyl acetate, ug/l	<2.0	2.0	---	---	---
Vinyl chloride, ug/l	<1.0	1.0	---	---	---
Xylenes, ug/l	<1.0	1.0	---	---	---
Surrogate - Dibromofluoromethane	110 %	---	118 %	109 %	---
Surrogate - Toluene-d8	101 %	---	105 %	99 %	---
Surrogate - 4-Bromofluorobenzene	111 %	---	114 %	109 %	---
Date Analyzed	06.28.95	---	06.28.95	06.28.95	---
Batch ID	0629A	---	0629A	0629A	---
Clock ID	1H0628	---	1H0628	1H0628	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Semivolatile Organics (8270)					
Acenaphthene, ug/l	<10	10	86.4	88.9	100
Acenaphthylene, ug/l	<10	10	---	---	---
Anthracene, ug/l	<10	10	---	---	---
Benzo(a)anthracene, ug/l	<10	10	---	---	---
Benzo(b)fluoranthene, ug/l	<10	10	---	---	---
Benzo(k)fluoranthene, ug/l	<10	10	---	---	---
Benzo(g,h,i)perylene, ug/l	<10	10	---	---	---
Benzo(a)pyrene, ug/l	<10	10	---	---	---
Benzyl alcohol, ug/l	<10	10	---	---	---
bis(2-Chloroethoxy)methane, ug/l	<10	10	---	---	---
bis(2-Chloroethyl)ether, ug/l	<10	10	---	---	---
bis(2-Chloroisopropyl)ether, ug/l	<10	10	---	---	---
bis(2-Ethylhexyl)phthalate, ug/l	<10	10	---	---	---
4-Bromophenyl phenyl ether, ug/l	<10	10	---	---	---
p-Chloroaniline, ug/l	<20	20	---	---	---
4-Chloro-3-methylphenol, ug/l	<10	10	177	178	200
2-Chloronaphthalene, ug/l	<10	10	---	---	---
2-Chlorophenol, ug/l	<10	10	151	156	200
4-Chlorophenylphenyl ether, ug/l	<10	10	---	---	---
Chrysene, ug/l	<10	10	---	---	---
Dibenz(a,h)anthracene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Dibenzofuran, ug/l	<10	10	---	---	---
Di-n-butylphthalate, ug/l	<10	10	---	---	---
1,2-Dichlorobenzene, ug/l	<10	10	---	---	---
1,3-Dichlorobenzene, ug/l	<10	10	---	---	---
1,4-Dichlorobenzene, ug/l	<10	10	61.7	65.3	100
2,4-Dichlorophenol, ug/l	<10	10	---	---	---
2,6-Dichlorophenol, ug/l	<10	10	---	---	---
Diethylphthalate, ug/l	<10	10	---	---	---
3,3'-Dimethylbenzidine, ug/l	<20	20	---	---	---
2,4-Dimethylphenol, ug/l	<10	10	---	---	---
Dimethylphthalate, ug/l	<10	10	---	---	---
2,4-Dinitrophenol, ug/l	<50	50	---	---	---
2,4-Dinitrotoluene, ug/l	<10	10	77.9	78.6	100
2,6-Dinitrotoluene, ug/l	<10	10	---	---	---
Di-n-octylphthalate, ug/l	<10	10	---	---	---
Fluoranthene, ug/l	<10	10	---	---	---
Fluorene, ug/l	<10	10	---	---	---
Hexachlorobenzene, ug/l	<10	10	---	---	---
Hexachlorobutadiene, ug/l	<10	10	---	---	---
Hexachlorocyclopentadiene, ug/l	<10	10	---	---	---
Hexachloroethane, ug/l	<10	10	---	---	---
Indeno(1,2,3-cd)pyrene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Isophorone, ug/l	<10	10	---	---	---
2-Methyl-4,6-dinitrophenol, ug/l	<50	50	---	---	---
2-Methylnaphthalene, ug/l	<10	10	---	---	---
2-Methylphenol (o-cresol), ug/l	<10	10	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	10	---	---	---
Naphthalene, ug/l	<10	10	---	---	---
2-Nitroaniline, ug/l	<50	50	---	---	---
3-Nitroaniline, ug/l	<50	50	---	---	---
4-Nitroaniline, ug/l	<50	50	---	---	---
Nitrobenzene, ug/l	<10	10	---	---	---
2-Nitrophenol, ug/l	<10	10	---	---	---
4-Nitrophenol, ug/l	<50	50	150	152	200
N-Nitrosodimethylamine, ug/l	<10	10	---	---	---
n-Nitrosodi-n-propylamine, ug/l	<10	10	93.8	93.5	100
Pentachlorophenol, ug/l	<50	50	178	173	200
Phenanthrene, ug/l	<10	10	---	---	---
Phenol, ug/l	<10	10	200	207	200
Pyrene, ug/l	<10	10	99.7	98.3	100
Pyridine, ug/l	<200	200	---	---	---
2,3,4,6-Tetrachlorophenol, ug/l	<50	50	---	---	---
1,2,4-Trichlorobenzene, ug/l	<10	10	57.8	60.0	100

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
2,4,5-Trichlorophenol, ug/l	<10	10	---	---	---
2,4,6-Trichlorophenol, ug/l	<10	10	---	---	---
Surrogate-2-Fluorophenol	76 %	---	76 %	78 %	---
Surrogate-Phenol-d5	98 %	---	91 %	94 %	---
Surrogate-Nitrobenzene-d5	89 %	---	87 %	86 %	---
Surrogate-2-Fluorobiphenyl	77 %	---	76 %	78 %	---
Surrogate-2,4,6-Tribromophenol	67 %	---	70 %	70 %	---
Surrogate-4-Terphenyl-d14	88 %	---	88 %	87 %	---
Date Extracted	07.03.95	---	07.03.95	07.03.95	---
Date Analyzed	07.06.95	---	07.06.95	07.06.95	---
Batch ID	0703C	---	0703C	0703C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Metals by ICP (6010)					
Antimony, mg/l	<0.050	0.050	0.864	0.904	1.00
Arsenic, mg/l	<0.010	0.010	0.880	0.923	1.00
Barium, mg/l	<0.010	0.010	1.01	1.03	1.00
Beryllium, mg/l	<0.0040	0.0040	0.867	0.901	1.00
Cadmium, mg/l	<0.0050	0.0050	0.863	0.903	1.00
Chromium, mg/l	<0.010	0.010	0.932	0.933	1.00
Copper, mg/l	<0.025	0.025	0.888	0.929	1.00
Lead, mg/l	<0.0050	0.0050	0.878	0.918	1.00
Nickel, mg/l	<0.040	0.040	0.919	0.920	1.00
Selenium, mg/l	<0.010	0.010	0.841	0.878	1.00
Silver, mg/l	<0.010	0.010	1.00	1.02	1.00
Thallium, mg/l	<0.010	0.010	0.841	0.891	1.00
Zinc, mg/l	<0.020	0.020	0.863	0.901	1.00
Prep or Extraction Date	07.03.95	---	07.03.95	07.03.95	---
Date Analyzed	07.05.95	---	07.05.95	07.05.95	---
Batch ID	0703J	---	0703J	0703J	---
Mercury (7470/7471)					
Mercury, mg/l	<0.00020	0.00020	0.00111	0.00107	0.00100
Prep or Extraction Date	07.06.95	---	07.06.95	07.06.95	---
Date Analyzed	07.06.95	---	07.06.95	07.06.95	---
Batch ID	0706T	---	0706T	0706T	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-6	Method Blank Result
11949-7	Reporting Limit
11949-8	Lab Control Standard Result
11949-9	LCS Duplicate Result
11949-10	LCS Expected Value

PARAMETER	11949-6	11949-7	11949-8	11949-9	11949-10
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.010	0.109	0.111	0.116
Date Analyzed	07.12.95	---	07.12.95	07.12.95	---
Batch ID	0712A	---	0712A	0712A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-11	LCS/LCSD % Recovery
11949-12	Accuracy Control Limits
11949-13	Precision (% RPD) of LCS/LCSD
11949-14	Precision Control Limit

PARAMETER	11949-11	11949-12	11949-13	11949-14
Volatile Organic Compounds (8240)				
Benzene, %	93/90 %	69-132 %	3.3 %	<35 %
Chlorobenzene, %	95/91 %	52-150 %	4.3 %	<16 %
1,1-Dichloroethene, %	95/82 %	26-155 %	15 %	<16 %
Toluene, %	96/92 %	62-141 %	4.3 %	<24 %
Trichloroethene, %	104/99 %	64-131 %	4.9 %	<24 %
Semivolatile Organics (8270)				
Acenaphthene, %	86/89 %	60-122 %	3.4 %	<45 %
4-Chloro-3-methylphenol, %	88/89 %	56-118 %	1.1 %	<20 %
2-Chlorophenol, %	76/78 %	54-107 %	2.6 %	<26 %
1,4-Dichlorobenzene, %	62/65 %	47-103 %	4.7 %	<45 %
2,4-Dinitrotoluene, %	78/79 %	42-166 %	1.3 %	<33 %
4-Nitrophenol, %	75/76 %	17-153 %	1.3 %	<33 %
n-Nitrosodi-n-propylamine, %	94/94 %	40-145 %	0 %	<39 %
Pentachlorophenol, %	89/86 %	16-138 %	3.4 %	<33 %
Phenol, %	100/104 %	40-113 %	3.9 %	<31 %
Pyrene, %	100/98 %	46-168 %	2.0 %	<36 %
1,2,4-Trichlorobenzene, %	58/60 %	48-111 %	3.4 %	<31 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-11	LCS/LCSD % Recovery
11949-12	Accuracy Control Limits
11949-13	Precision (% RPD) of LCS/LCSD
11949-14	Precision Control Limit

PARAMETER	11949-11	11949-12	11949-13	11949-14
Metals by ICP (6010)				
Antimony, %	86/90 %	75-125 %	4.5 %	<20 %
Arsenic, %	88/92 %	75-125 %	4.4 %	<20 %
Barium, %	101/103 %	75-125 %	2.0 %	<20 %
Beryllium, %	87/90 %	75-125 %	3.4 %	<20 %
Cadmium, %	86/90 %	75-125 %	4.5 %	<20 %
Chromium, %	93/93 %	75-125 %	0 %	<20 %
Copper, %	89/93 %	75-125 %	4.4 %	<20 %
Lead, %	88/92 %	75-125 %	4.4 %	<20 %
Nickel, %	92/92 %	75-125 %	0 %	<20 %
Selenium, %	84/88 %	75-125 %	4.7 %	<20 %
Silver, %	100/102 %	75-125 %	2.0 %	<20 %
Thallium, %	84/89 %	75-125 %	5.8 %	<20 %
Zinc, %	86/90 %	75-125 %	4.5 %	<20 %
Mercury (7470/7471)				
Mercury, %	111/107 %	75-125 %	3.7 %	<20 %
Cyanide (9012)				
Cyanide, %	94/96 %	85-115 %	2.1 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-15	Initial Calibration Verification Standard Result
11949-16	ICVS % Recovery
11949-17	ICVS Calibration Blank Result
11949-18	Continuing CVS Result
11949-19	CCVS % Recovery

PARAMETER	11949-15	11949-16	11949-17	11949-18	11949-19
Metals by ICP (6010)					
Antimony, mg/l	0.980	98 %	<0.050	0.999	100 %
Arsenic, mg/l	0.998	100 %	<0.010	1.00	100 %
Barium, mg/l	1.01	101 %	<0.010	1.00	100 %
Beryllium, mg/l	1.01	101 %	<0.0040	0.992	99 %
Cadmium, mg/l	1.01	101 %	<0.0050	0.998	100 %
Chromium, mg/l	1.01	101 %	<0.010	0.999	100 %
Copper, mg/l	1.02	102 %	<0.025	1.01	101 %
Lead, mg/l	0.982	98 %	<0.0050	1.00	100 %
Nickel, mg/l	1.01	101 %	<0.040	1.00	100 %
Selenium, mg/l	1.01	101 %	<0.010	1.00	100 %
Silver, mg/l	0.967	97 %	<0.010	1.00	100 %
Thallium, mg/l	1.03	103 %	<0.010	0.998	100 %
Zinc, mg/l	1.01	101 %	<0.020	1.00	100 %
Date Analyzed	07.05.95	---	07.05.95	07.05.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00354	97 %	<0.00020	0.00351	96 %
Date Analyzed	07.06.95	---	07.06.95	07.06.95	---
Cyanide (9012)					
Cyanide, mg/l	0.109	94 %	<0.010	0.111	96 %
Date Analyzed	07.12.95	---	07.12.95	07.12.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-20	CCVS Calibration Blank Result
11949-21	CVS Expected Value
11949-22	CVS Control Limits

PARAMETER	11949-20	11949-21	11949-22
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	07.05.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	07.06.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115%
Date Analyzed	07.12.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<25	25	---	---	---
Acrolein, ug/kg dw	<100	100	---	---	---
Acrylonitrile, ug/kg dw	<100	100	---	---	---
Benzene, ug/kg dw	<5.0	5.0	46.0	46.2	50.0
Bromodichloromethane, ug/kg dw	<5.0	5.0	---	---	---
Bromoform, ug/kg dw	<5.0	5.0	---	---	---
Bromomethane, ug/kg dw	<10	10	---	---	---
2-Butanone (MEK), ug/kg dw	<25	25	---	---	---
Carbon disulfide, ug/kg dw	<5.0	5.0	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	5.0	---	---	---
Chlorobenzene, ug/kg dw	<5.0	5.0	45.3	45.5	50.0
Chloroethane, ug/kg dw	<10	10	---	---	---
2-Chloroethylvinyl ether, ug/kg dw	<50	50	---	---	---
Chloroform, ug/kg dw	<5.0	5.0	---	---	---
Chloromethane, ug/kg dw	<10	10	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	5.0	---	---	---
Dibromomethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,4-Dichloro-2-butene , ug/kg dw	<10	10	---	---	---
Dichlorodifluoromethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
1,1-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	5.0	44.0	43.6	50.0
1,2-Dichloropropane, ug/kg dw	<5.0	5.0	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
Ethylbenzene, ug/kg dw	<5.0	5.0	---	---	---
Ethyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---
2-Hexanone, ug/kg dw	<5.0	5.0	---	---	---
Iodomethane, ug/kg dw	<5.0	5.0	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	5.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	25	---	---	---
Styrene, ug/kg dw	<5.0	5.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	5.0	---	---	---
Toluene, ug/kg dw	<5.0	5.0	46.6	46.4	50.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
1,1,2-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
Trichloroethene, ug/kg dw	<5.0	5.0	48.4	48.9	50.0
Trichlorofluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	5.0	---	---	---
Vinyl acetate, ug/kg dw	<10	10	---	---	---
Vinyl chloride, ug/kg dw	<10	10	---	---	---
Xylenes, ug/kg dw	<5.0	5.0	---	---	---
Surrogate - Dibromofluoromethane	113 %	---	117 %	114 %	---
Surrogate - Toluene-d8	106 %	---	109 %	105 %	---
Surrogate - 4-Bromofluorobenzene	105 %	---	107 %	106 %	---
Date Analyzed	06.30.95	---	06.30.95	06.30.95	---
Batch ID	0630B	---	0630B	0630B	---
Clock ID	1J0630	---	1J0630	1J0630	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<330	330	2650	2960	3330
Acenaphthylene, ug/kg dw	<330	330	---	---	---
Anthracene, ug/kg dw	<330	330	---	---	---
Benzo(a)anthracene, ug/kg dw	<330	330	---	---	---
Benzo(b)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(k)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(g,h,i)perylene, ug/kg dw	<330	330	---	---	---
Benzo(a)pyrene, ug/kg dw	<330	330	---	---	---
Benzyl alcohol, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethoxy)methane, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethyl)ether, ug/kg dw	<330	330	---	---	---
bis(2-Chloroisopropyl)ether , ug/kg dw	<330	330	---	---	---
bis(2-Ethylhexyl)phthalate, ug/kg dw	<330	330	---	---	---
4-Bromophenyl phenyl ether, ug/kg dw	<330	330	---	---	---
p-Chloroaniline, ug/kg dw	<660	660	---	---	---
4-Chloro-3-methylphenol, ug/kg dw	<330	330	4920	5480	6670
2-Chloronaphthalene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
2-Chlorophenol, ug/kg dw	<330	330	4990	5500	6670
4-Chlorophenylphenyl ether, ug/kg dw	<330	330	---	---	---
Chrysene, ug/kg dw	<330	330	---	---	---
Dibenz(a,h)anthracene, ug/kg dw	<330	330	---	---	---
Dibenzofuran, ug/kg dw	<330	330	---	---	---
Di-n-butylphthalate, ug/kg dw	<330	330	---	---	---
1,2-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,3-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,4-Dichlorobenzene, ug/kg dw	<330	330	2170	2420	3330
2,4-Dichlorophenol, ug/kg dw	<330	330	---	---	---
2,6-Dichlorophenol, ug/kg dw	<330	330	---	---	---
Diethylphthalate, ug/kg dw	<330	330	---	---	---
3,3'-Dimethylbenzidine, ug/kg dw	<660	660	---	---	---
2,4-Dimethylphenol, ug/kg dw	<330	330	---	---	---
Dimethylphthalate, ug/kg dw	<330	330	---	---	---
2,4-Dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2,4-Dinitrotoluene, ug/kg dw	<330	330	2430	2660	3330
2,6-Dinitrotoluene, ug/kg dw	<330	330	---	---	---
Di-n-octylphthalate, ug/kg dw	<330	330	---	---	---
Fluoranthene, ug/kg dw	<330	330	---	---	---
Fluorene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
Hexachlorobenzene, ug/kg dw	<330	330	---	---	---
Hexachlorobutadiene, ug/kg dw	<330	330	---	---	---
Hexachlorocyclopentadiene, ug/kg dw	<330	330	---	---	---
Hexachloroethane, ug/kg dw	<330	330	---	---	---
Indeno(1,2,3-cd)pyrene, ug/kg dw	<330	330	---	---	---
Isophorone, ug/kg dw	<330	330	---	---	---
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2-Methylnaphthalene, ug/kg dw	<330	330	---	---	---
2-Methylphenol (o-cresol), ug/kg dw	<330	330	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<330	330	---	---	---
Naphthalene, ug/kg dw	<330	330	---	---	---
2-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
3-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
4-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
Nitrobenzene, ug/kg dw	<330	330	---	---	---
2-Nitrophenol, ug/kg dw	<330	330	---	---	---
4-Nitrophenol, ug/kg dw	<1700	1700	5760	6340	6670
N-Nitrosodimethylamine, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
n-Nitrosodi-n-propylamine, ug/kg dw	<330	330	1940	2120	3330
Pentachlorophenol, ug/kg dw	<1700	1700	4480	4850	6670
Phenanthrene, ug/kg dw	<330	330	---	---	---
Phenol, ug/kg dw	<330	330	4190	4470	6670
Pyrene, ug/kg dw	<330	330	3480	3930	3330
Pyridine, ug/kg dw	<330	330	---	---	---
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1700	1700	---	---	---
1,2,4-Trichlorobenzene, ug/kg dw	<330	330	2100	2300	3330
2,4,5-Trichlorophenol, ug/kg dw	<330	330	---	---	---
2,4,6-Trichlorophenol, ug/kg dw	<330	330	---	---	---
Surrogate-2-Fluorophenol	70 %	---	64 %	69 %	---
Surrogate-Phenol-d5	74 %	---	67 %	73 %	---
Surrogate-Nitrobenzene-d5	66 %	---	62 %	67 %	---
Surrogate-2-Fluorobiphenyl	73 %	---	64 %	72 %	---
Surrogate-2,4,6-Tribromophenol	58 %	---	57 %	61 %	---
Surrogate-4-Terphenyl-d14	86 %	---	80 %	88 %	---
Date Extracted	07.03.95	---	07.03.95	07.03.95	---
Date Analyzed	07.05.95	---	07.05.95	07.05.95	---
Batch ID	0703K	---	0703K	0703K	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	5.0	93.9	95.8	100
Arsenic, mg/kg dw	<1.0	1.0	85.3	85.2	82.4
Barium, mg/kg dw	<1.0	1.0	224	227	238
Beryllium, mg/kg dw	<0.40	0.40	148	148	152
Cadmium, mg/kg dw	<0.50	0.50	84.8	84.8	90.0
Chromium, mg/kg dw	<1.0	1.0	161	160	167
Copper, mg/kg dw	<2.5	2.5	198	200	196
Lead, mg/kg dw	<0.50	0.50	156	158	162
Nickel, mg/kg dw	<4.0	4.0	127	130	135
Selenium, mg/kg dw	<1.0	1.0	108	109	109
Silver, mg/kg dw	<1.0	1.0	65.5	66.4	65.4
Thallium, mg/kg dw	<1.0	1.0	120	123	127
Zinc, mg/kg dw	<2.0	2.0	185	188	199
Prep or Extraction Date	07.03.95	---	07.03.95	07.03.95	---
Date Analyzed	07.03.95	---	07.03.95	07.03.95	---
Batch ID	0703C	---	0703C	0703C	---
Mercury (7470/7471)					
Mercury, mg/kg dw	<0.030	0.030	2.54	2.57	2.36
Prep or Extraction Date	07.01.95	---	07.01.95	07.01.95	---
Date Analyzed	07.03.95	---	07.03.95	07.03.95	---
Batch ID	0701R	---	0701R	0701R	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-23	Method Blank Result
11949-24	Reporting Limit
11949-25	Lab Control Standard Result
11949-26	LCS Duplicate Result
11949-27	LCS Expected Value

PARAMETER	11949-23	11949-24	11949-25	11949-26	11949-27
Cyanide (9012)					
Cyanide, mg/kg dw	<1.0	1.0	3.60	3.62	4.00
Date Analyzed	07.14.95	---	07.14.95	07.14.95	---
Batch ID	0713K	---	0713K	0713K	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-28	LCS/LCSD % Recovery
11949-29	Accuracy Control Limits
11949-30	Precision (% RPD) of LCS/LCSD
11949-31	Precision Control Limit

PARAMETER	11949-28	11949-29	11949-30	11949-31
Volatile Organic Compounds (8240)				
Benzene, %	92/92 %	48-150 %	0 %	<27 %
Chlorobenzene, %	91/91 %	54-138 %	0 %	<33 %
1,1-Dichloroethene, %	88/87 %	36-161 %	1.1 %	<50 %
Toluene, %	93/93 %	51-141 %	0 %	<27 %
Trichloroethene, %	97/98 %	43-140 %	1.0 %	<27 %
Semivolatile Organics (8270)				
Acenaphthene, %	80/89 %	51-108 %	11 %	<26 %
4-Chloro-3-methylphenol, %	74/82 %	38-112 %	10 %	<23 %
2-Chlorophenol, %	75/82 %	45-105 %	8.9 %	<31 %
1,4-Dichlorobenzene, %	65/73 %	46-112 %	12 %	<28 %
2,4-Dinitrotoluene, %	73/80 %	35-111 %	9.2 %	<29 %
4-Nitrophenol, %	86/95 %	10-130 %	9.9 %	<34 %
n-Nitrosodi-n-propylamine, %	58/64 %	27-140 %	9.8 %	<35 %
Pentachlorophenol, %	67/73 %	10-107 %	8.6 %	<89 %
Phenol, %	63/67 %	37-112 %	6.2 %	<36 %
Pyrene, %	105/118 %	33-139 %	12 %	<25 %
1,2,4-Trichlorobenzene, %	63/69 %	48-107 %	9.1 %	<28 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-28	LCS/LCSD % Recovery
11949-29	Accuracy Control Limits
11949-30	Precision (% RPD) of LCS/LCSD
11949-31	Precision Control Limit

PARAMETER	11949-28	11949-29	11949-30	11949-31
Metals by ICP (6010)				
Antimony, %	94/96 %	70-130 %	2.1 %	<30 %
Arsenic, %	104/104 %	70-130 %	0 %	<30 %
Barium, %	94/95 %	70-130 %	1.1 %	<30 %
Beryllium, %	97/97 %	70-130 %	0 %	<30 %
Cadmium, %	94/94 %	70-130 %	0 %	<30 %
Chromium, %	96/96 %	70-130 %	0 %	<30 %
Copper, %	101/102 %	70-130 %	0.99 %	<30 %
Lead, %	96/98 %	70-130 %	2.1 %	<30 %
Nickel, %	94/96 %	70-130 %	2.1 %	<30 %
Selenium, %	99/100 %	70-130 %	1.0 %	<30 %
Silver, %	100/102 %	70-130 %	2.0 %	<30 %
Thallium, %	94/97 %	70-130 %	3.1 %	<30 %
Zinc, %	93/94 %	70-130 %	1.1 %	<30 %
Mercury (7470/7471)				
Mercury, mg/kg dw	108/109 %	70-130 %	0.93 %	<30 %
Cyanide (9012)				
Cyanide, %	90/90 %	75-125 %	0 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-32	Initial Calibration Verification Standard Result
11949-33	ICVS % Recovery
11949-34	ICVS Calibration Blank Result
11949-35	Continuing CVS Result
11949-36	CCVS % Recovery

PARAMETER	11949-32	11949-33	11949-34	11949-35	11949-36
Metals by ICP (6010)					
Antimony, mg/l	1.02	102 %	<0.050	1.00	100 %
Arsenic, mg/l	1.03	103 %	<0.010	1.01	101 %
Barium, mg/l	1.04	104 %	<0.010	1.02	102 %
Beryllium, mg/l	1.04	104 %	<0.0040	1.00	100 %
Cadmium, mg/l	1.05	105 %	<0.0050	1.01	101 %
Chromium, mg/l	1.04	104 %	<0.010	1.01	101 %
Copper, mg/l	1.05	105 %	<0.025	1.02	102 %
Lead, mg/l	1.02	102 %	<0.0050	1.01	101 %
Nickel, mg/l	1.05	105 %	<0.040	1.05	105 %
Selenium, mg/l	1.05	105 %	<0.010	1.00	100 %
Silver, mg/l	0.997	100 %	<0.010	1.01	101 %
Thallium, mg/l	1.07	107 %	<0.010	1.01	101 %
Zinc, mg/l	1.05	105 %	<0.020	0.998	100 %
Date Analyzed	07.03.95	---	07.03.95	07.03.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00355	98 %	<0.00020	0.00349	96 %
Date Analyzed	07.03.95	---	07.03.95	07.03.95	---
Cyanide (9012)					
Cyanide, ug/l	0.105	91 %	<0.010	0.105	91 %
Date Analyzed	07.14.95	---	07.14.95	07.14.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-37	CCVS Calibration Blank Result
11949-38	CVS Expected Value
11949-39	CVS Control Limits

PARAMETER	11949-37	11949-38	11949-39
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	07.03.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	07.03.95	---	---
Cyanide (9012)			
Cyanide, ug/l	<0.010	0.116	85-115 %
Date Analyzed	07.14.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-40	Method Blank #2 Result
11949-41	Method Blank #3 Result

PARAMETER	11949-40	11949-41
Volatile Organic Compounds (8240)		
Acetone, ug/l	<10	<10
Acrolein, ug/l	<20	<20
Acrylonitrile, ug/l	<20	<20
Benzene, ug/l	<1.0	<1.0
Bromodichloromethane, ug/l	<1.0	<1.0
Bromoform, ug/l	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0
2-Chloroethylvinyl ether, ug/l	<10	<10
Chloroform, ug/l	<1.0	<1.0
Chloromethane, ug/l	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0
Dichlorodifluoromethane, ug/l	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0
1,2-Dichloroethane, ug/l	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0
1,1-Dichloroethene, ug/l	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11949-40	Method Blank #2 Result
11949-41	Method Blank #3 Result

PARAMETER	11949-40	11949-41
1,2-Dichloropropane, ug/l	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0
2-Hexanone, ug/l	<10	<10
Iodomethane, ug/l	<1.0	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10
Styrene, ug/l	<1.0	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0
Toluene, ug/l	<1.0	<1.0
1,1,1-Trichloroethane, ug/l	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0
Trichloroethene, ug/l	<1.0	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0
Vinyl acetate, ug/l	<2.0	<2.0
Vinyl chloride, ug/l	<1.0	<1.0
Xylenes, ug/l	<1.0	<1.0
Surrogate - Dibromofluoromethane	104 %	99 %
Surrogate - Toluene-d8	99 %	104 %
Surrogate - 4-Bromofluorobenzene	96 %	107 %
Date Analyzed	07.03.95	07.05.95
Batch ID	0629A	0629A
Clock ID	1H0703	1H0705

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-42	Method Blank #2 Result

PARAMETER	11949-42
Volatile Organic Compounds (8240)	
Acetone, ug/kg dw	<25
Acrolein, ug/kg dw	<100
Acrylonitrile, ug/kg dw	<100
Benzene, ug/kg dw	<5.0
Bromodichloromethane, ug/kg dw	<5.0
Bromoform, ug/kg dw	<5.0
Bromomethane, ug/kg dw	<10
2-Butanone (MEK), ug/kg dw	<25
Carbon disulfide, ug/kg dw	<5.0
Carbon tetrachloride, ug/kg dw	<5.0
Chlorobenzene, ug/kg dw	<5.0
Chloroethane, ug/kg dw	<10
2-Chloroethylvinyl ether, ug/kg dw	<50
Chloroform, ug/kg dw	<5.0
Chloromethane, ug/kg dw	<10
Dibromochloromethane, ug/kg dw	<5.0
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0
Dibromomethane, ug/kg dw	<5.0
trans-1,4-Dichloro-2-butene, ug/kg dw	<10
Dichlorodifluoromethane, ug/kg dw	<5.0
1,1-Dichloroethane, ug/kg dw	<5.0
1,2-Dichloroethane, ug/kg dw	<5.0
trans-1,2-Dichloroethene, ug/kg dw	<5.0
1,1-Dichloroethene, ug/kg dw	<5.0
1,2-Dichloropropane, ug/kg dw	<5.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-42	Method Blank #2 Result

PARAMETER	11949-42
cis-1,3-Dichloropropene, ug/kg dw	<5.0
trans-1,3-Dichloropropene, ug/kg dw	<5.0
Ethylbenzene, ug/kg dw	<5.0
Ethyl methacrylate, ug/kg dw	<5.0
2-Hexanone, ug/kg dw	<25
Iodomethane, ug/kg dw	<5.0
Methylene chloride (Dichloromethane), ug/kg dw	<5.0
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25
Styrene, ug/kg dw	<5.0
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0
Tetrachloroethene, ug/kg dw	<5.0
Toluene, ug/kg dw	<5.0
1,1,1-Trichloroethane, ug/kg dw	<5.0
1,1,2-Trichloroethane, ug/kg dw	<5.0
Trichloroethene, ug/kg dw	<5.0
Trichlorofluoromethane, ug/kg dw	<5.0
1,2,3-Trichloropropane, ug/kg dw	<5.0
Vinyl acetate, ug/kg dw	<10
Vinyl chloride, ug/kg dw	<5.0
Xylenes, ug/kg dw	<5.0
Surrogate - Dibromofluoromethane	98 %
Surrogate - Toluene-d8	96 %
Surrogate - 4-Bromofluorobenzene	93 %
Date Analyzed	07.06.95
Batch ID	0630B
Clock ID	1J0706

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-43	Matrix Spike Result (batch)
11949-44	MS Duplicate Result (batch)
11949-45	Matrix Spike Expected Value
11949-46	MS/MSD % Recovery
11949-47	Accuracy Control Limits

PARAMETER	11949-43	11949-44	11949-45	11949-46	11949-47
Volatile Organic Compounds (8240)					
Benzene, ug/kg dw	57.1	62.9	65.0	88/97 %	48-150 %
Chlorobenzene, ug/kg dw	54.0	60.9	65.0	83/94 %	54-138 %
1,1-Dichloroethene, ug/kg dw	68.1	94.2	65.0	105/144 %	36-161 %
Toluene, ug/kg dw	54.0	60.0	65.0	83/92 %	51-141 %
Trichloroethene, ug/kg dw	54.6	60.6	65.0	84/93 %	43-140 %
Surrogate - Dibromofluoromethane	107 %	118 %	---	---	---
Surrogate - Toluene-d8	98 %	109 %	---	---	---
Surrogate - 4-Bromofluorobenzene	109 %	115 %	---	---	---
Date Analyzed	07.06.95	07.06.95	---	---	---
Batch ID	0630B	0630B	---	---	---
Clock ID	1J0706	1J0706	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-43	Matrix Spike Result (batch)
11949-44	MS Duplicate Result (batch)
11949-45	Matrix Spike Expected Value
11949-46	MS/MSD % Recovery
11949-47	Accuracy Control Limits

PARAMETER	11949-43	11949-44	11949-45	11949-46	11949-47
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	3040	3020	3620	84/83 %	51-108 %
4-Chloro-3-methylphenol, ug/kg dw	5460	5660	7250	75/78 %	38-112 %
2-Chlorophenol, ug/kg dw	5620	5630	7250	78/78 %	45-105 %
1,4-Dichlorobenzene, ug/kg dw	2470	2460	3620	68/68 %	46-112 %
2,4-Dinitrotoluene, ug/kg dw	2620	2710	3620	72/75 %	35-111 %
4-Nitrophenol, ug/kg dw	6220	6720	7250	86/93 %	10-130 %
n-Nitrosodi-n-propylamine, ug/kg dw	2140	2150	3620	59/59 %	27-140 %
Pentachlorophenol, ug/kg dw	4900	5070	7250	68/70 %	10-107 %
Phenol, ug/kg dw	4630	4690	7250	64/65 %	37-112 %
Pyrene, ug/kg dw	4110	4210	3620	113/116 %	33-139 %
1,2,4-Trichlorobenzene, ug/kg dw	2400	2440	3620	66/67 %	48-107 %
Surrogate-2-Fluorophenol	66 %	66 %	---	---	---
Surrogate-Phenol-d5	69 %	69 %	---	---	---
Surrogate-Nitrobenzene-d5	63 %	64 %	---	---	---
Surrogate-2-Fluorobiphenyl	69 %	68 %	---	---	---
Surrogate-2,4,6-Tribromophenol	54 %	57 %	---	---	---
Surrogate-4-Terphenyl-d14	85 %	86 %	---	---	---
Date Extracted	07.03.95	07.03.95	---	---	---
Date Analyzed	07.05.95	07.05.95	---	---	---
Batch ID	0703K	0703K	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-43	Matrix Spike Result (batch)
11949-44	MS Duplicate Result (batch)
11949-45	Matrix Spike Expected Value
11949-46	MS/MSD % Recovery
11949-47	Accuracy Control Limits

PARAMETER	11949-43	11949-44	11949-45	11949-46	11949-47
Metals by ICP (6010)					
Antimony, mg/kg dw	93.0	93.9	100	93/94 %	80-120 %
Arsenic, mg/kg dw	96.5	97.6	100	96/98 %	80-120 %
Barium, mg/kg dw	107	108	100	107/108 %	80-120 %
Beryllium, mg/kg dw	100	101	100	100/101 %	80-120 %
Cadmium, mg/kg dw	97.1	97.5	100	97/98 %	80-120 %
Chromium, mg/kg dw	102	102	100	102/102 %	80-120 %
Copper, mg/kg dw	104	104	100	104/104 %	80-120 %
Lead, mg/kg dw	98.0	98.2	100	98/98 %	80-120 %
Nickel, mg/kg dw	102	102	100	102/102 %	80-120 %
Selenium, mg/kg dw	92.2	92.3	100	92/92 %	80-120 %
Silver, mg/kg dw	99.8	100	100	100/100 %	80-120 %
Thallium, mg/kg dw	95.1	95.2	100	95/95 %	80-120 %
Zinc, mg/kg dw	94.5	94.7	100	94/95 %	80-120 %
Prep or Extraction Date	07.03.95	07.03.95	---	---	---
Date Analyzed	07.03.95	07.03.95	---	---	---
Batch ID	0703C	0703C	---	---	---
Mercury (7470/7471)					
Mercury, mg/kg dw	0.121	0.130	0.121	100/107 %	70-130 %
Prep or Extraction Date	07.03.95	07.03.95	---	---	---
Date Analyzed	07.03.95	07.03.95	---	---	---
Batch ID	0701R	0701R	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-43	Matrix Spike Result (batch)
11949-44	MS Duplicate Result (batch)
11949-45	Matrix Spike Expected Value
11949-46	MS/MSD % Recovery
11949-47	Accuracy Control Limits

PARAMETER	11949-43	11949-44	11949-45	11949-46	11949-47
Cyanide (9012)					
Cyanide, mg/kg dw	4.14	4.29	4.65	89/92 %	75-125 %
Dilution factor	1.0	1.0	---	---	---
Date Analyzed	07.14.95	07.14.95	---	---	---
Batch ID	0713K	0713K	---	---	---

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

*F99=See Project Narrative

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949-48	Precision (% RPD) of MS/MSD
11949-49	Precision Control Limit

PARAMETER	11949-48	11949-49
Volatile Organic Compounds (8240)		
Benzene, ug/kg dw	9.8 %	<27 %
Chlorobenzene, ug/kg dw	12 %	<33 %
1,1-Dichloroethene, ug/kg dw	31 %	<50 %
Toluene, ug/kg dw	10 %	<27 %
Trichloroethene, ug/kg dw	10 %	<27 %
Semivolatile Organics (8270)		
Acenaphthene, %	1.2 %	<26 %
4-Chloro-3-methylphenol, %	3.9 %	<23 %
2-Chlorophenol, %	0 %	<31 %
1,4-Dichlorobenzene, %	0 %	<28 %
2,4-Dinitrotoluene, %	4.1 %	<29 %
4-Nitrophenol, %	7.8 %	<34 %
n-Nitrosodi-n-propylamine, %	0 %	<35 %
Pentachlorophenol, %	2.9 %	<89 %
Phenol, %	1.6 %	<36 %
Pyrene, %	2.6 %	<25 %
1,2,4-Trichlorobenzene, %	1.5 %	<28 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949
Revised 08.08.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11949-48 Precision (% RPD) of MS/MSD
11949-49 Precision Control Limit

PARAMETER	11949-48	11949-49
Metals by ICP (6010)		
Antimony, %	1.1 %	<20 %
Arsenic, %	2.1 %	<20 %
Barium, %	0.93 %	<20 %
Beryllium, %	1.0 %	<20 %
Cadmium, %	1.0 %	<20 %
Chromium, %	0 %	<20 %
Copper, %	0 %	<20 %
Lead, %	0 %	<20 %
Nickel, %	0 %	<20 %
Selenium, %	0 %	<20 %
Silver, %	0 %	<20 %
Thallium, %	0 %	<20 %
Zinc, %	1.1 %	<20 %
Mercury (7470/7471)		
Mercury, mg/kg dw	6.7 %	<30 %
Cyanide (9012)		
Cyanide, %	3.3 %	<30 %

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

*F99=See Project Narrative

Elizabeth L. Schneider
Elizabeth L. Schneider

TERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of 1

Project Number TM0320.013

Project Location SLOSS - BIRMINGHAM ALA

Laboratory SAVANNAH

Sampler(s)/Affiliation J. HUGHES / G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 40ml GLASS VIAL EPA 8240 HCl	EPA 8240 100ml GLASS JAR	EPA 8270 100ml GLASS JAR	EPA 6010 PP 100ml PLASTIC JAR	EPA 9012 (CYANIDE) 100ml PLASTIC JAR	EPA 8270 1L AMBER GLASS	EPA 9012 (CYANIDE) 1L PLASTIC JUG NaOH	MERCURY 250ml GLASS JAR HNO3	EPA 6010 (TPH + RA) 250ml PLASTIC JAR HNO3	TOTAL
950629-FW-00-FB0022	L	815		3					2	1	1	1	8
950629-FW-00-SLEB22	L	830		3					2	1	1	1	8
950629-FW-00-TB0022	L	—		3					~~2~~				3
950629-FW-00-SL0004(0-2)	S	855			1	1	1	1					4
950629-FW-00-SL0004(16-18)	S	1030			1	1	1	1					4
950629-FW-00-SL0004(36-38)	S	1330			1	1	1	1					4
TEMP BLANK	L	6/29/95											1

Total No. of Bottles/ Containers: 32

Sample Code: L = Liquid; S = Solid; A = Air

Relinquished by: J. Hughes	Organization: G&M	Date 6/29/95	Time 1930	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by: Deborah Knight	Organization: SAVANNAH LAB	Date 6/30/95	Time 0930	(Yes) No N/A

Special Instructions/Remarks:

HOLD 950629-FW-00-SL0004 (36-38) UNTIL VERBAL CONFIRMATION GIVEN BY KATHY THALMAN OR CINDY ARNOLD OF G&M.

TS11949

Delivery Method: ☐ In Person ☒ Common Carrier FEDEX ☐ Lab Courier ☐ Other

SPECIFY

SPECIFY

000149

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1
Volatile Organic Compounds (8240)	
Acetone, ug/kg dw	<29
Acrolein, ug/kg dw	<120
Acrylonitrile, ug/kg dw	<120
Benzene, ug/kg dw	<5.8
Bromodichloromethane, ug/kg dw	<5.8
Bromoform, ug/kg dw	<5.8
Bromomethane, ug/kg dw	<12
2-Butanone (MEK), ug/kg dw	<29
Carbon disulfide, ug/kg dw	<5.8
Carbon tetrachloride, ug/kg dw	<5.8
Chlorobenzene, ug/kg dw	<5.8
Chloroethane, ug/kg dw	<12
2-Chloroethylvinyl ether, ug/kg dw	<58
Chloroform, ug/kg dw	<5.8
Chloromethane, ug/kg dw	<12
Dibromochloromethane, ug/kg dw	<5.8
1,2-Dibromoethane (EDB) , ug/kg dw	<5.8
Dibromomethane, ug/kg dw	<5.8
trans-1,4-Dichloro-2-butene, ug/kg dw	<12
Dichlorodifluoromethane, ug/kg dw	<5.8
1,1-Dichloroethane, ug/kg dw	<5.8
1,2-Dichloroethane, ug/kg dw	<5.8
trans-1,2-Dichloroethene, ug/kg dw	<5.8
1,1-Dichloroethene, ug/kg dw	<5.8
1,2-Dichloropropane, ug/kg dw	<5.8

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1
cis-1,3-Dichloropropene, ug/kg dw	<5.8
trans-1,3-Dichloropropene, ug/kg dw	<5.8
Ethylbenzene, ug/kg dw	<5.8
Ethyl methacrylate, ug/kg dw	<5.8
2-Hexanone, ug/kg dw	<29
Iodomethane, ug/kg dw	<5.8
Methylene chloride (Dichloromethane), ug/kg dw	<5.8
4-Methyl-2-pentanone (MIBK), ug/kg dw	<29
Styrene, ug/kg dw	<5.8
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.8
Tetrachloroethene, ug/kg dw	<5.8
Toluene, ug/kg dw	<5.8
1,1,1-Trichloroethane, ug/kg dw	<5.8
1,1,2-Trichloroethane, ug/kg dw	<5.8
Trichloroethene, ug/kg dw	<5.8
Trichlorofluoromethane, ug/kg dw	<5.8
1,2,3-Trichloropropane, ug/kg dw	<5.8
Vinyl acetate, ug/kg dw	<12
Vinyl chloride, ug/kg dw	<12
Xylenes, ug/kg dw	<5.8
Surrogate - Dibromofluoromethane	110 %
Surrogate - Toluene-d8	100 %
Surrogate - 4-Bromofluorobenzene	97 %
Date Analyzed	07.14.95
Batch ID	0710D
Clock ID	1J0714

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1
Semivolatile Organics (8270)	
Acenaphthene, ug/kg dw	<400
Acenaphthylene, ug/kg dw	<400
Anthracene, ug/kg dw	<400
Benzo(a)anthracene, ug/kg dw	<400
Benzo(b)fluoranthene, ug/kg dw	<400
Benzo(k)fluoranthene, ug/kg dw	<400
Benzo(g,h,i)perylene, ug/kg dw	<400
Benzo(a)pyrene, ug/kg dw	<400
Benzyl alcohol, ug/kg dw	<400
bis(2-Chloroethoxy)methane, ug/kg dw	<400
bis(2-Chloroethyl)ether, ug/kg dw	<400
bis(2-Chloroisopropyl)ether, ug/kg dw	<400
bis(2-Ethylhexyl)phthalate, ug/kg dw	<400
4-Bromophenyl phenyl ether, ug/kg dw	<400
p-Chloroaniline, ug/kg dw	<800
4-Chloro-3-methylphenol, ug/kg dw	<400
2-Chloronaphthalene, ug/kg dw	<400
2-Chlorophenol, ug/kg dw	<400
4-Chlorophenylphenyl ether, ug/kg dw	<400
Chrysene, ug/kg dw	<400
Dibenz(a,h)anthracene, ug/kg dw	<400
Dibenzofuran, ug/kg dw	<400
Di-n-butylphthalate, ug/kg dw	<400
1,2-Dichlorobenzene, ug/kg dw	<400
1,3-Dichlorobenzene, ug/kg dw	<400

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1				
1,4-Dichlorobenzene, ug/kg dw	<400				
2,4-Dichlorophenol, ug/kg dw	<400				
2,6-Dichlorophenol, ug/kg dw	<400				
Diethylphthalate, ug/kg dw	<400				
3,3'-Dimethylbenzidine, ug/kg dw	<2000				
2,4-Dimethylphenol, ug/kg dw	<400				
Dimethylphthalate, ug/kg dw	<400				
2,4-Dinitrophenol, ug/kg dw	<2000				
2,4-Dinitrotoluene, ug/kg dw	<400				
2,6-Dinitrotoluene, ug/kg dw	<400				
Di-n-octylphthalate, ug/kg dw	<400				
Fluoranthene, ug/kg dw	<400				
Fluorene, ug/kg dw	<400				
Hexachlorobenzene, ug/kg dw	<400				
Hexachlorobutadiene, ug/kg dw	<400				
Hexachlorocyclopentadiene, ug/kg dw	<400				
Hexachloroethane, ug/kg dw	<400				
Indeno(1,2,3-cd)pyrene, ug/kg dw	<400				
Isophorone, ug/kg dw	<400				
2-Methyl-4,6-dinitrophenol, ug/kg dw	<2000				
2-Methylnaphthalene, ug/kg dw	<400				
2-Methylphenol (o-cresol), ug/kg dw	<400				
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<400				
Naphthalene, ug/kg dw	<400				
2-Nitroaniline, ug/kg dw	<2000				
3-Nitroaniline, ug/kg dw	<2000				

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1
4-Nitroaniline, ug/kg dw	<2000
Nitrobenzene, ug/kg dw	<400
2-Nitrophenol, ug/kg dw	<400
4-Nitrophenol, ug/kg dw	<2000
N-Nitrosodimethylamine, ug/kg dw	<400
n-Nitrosodi-n-propylamine, ug/kg dw	<400
Pentachlorophenol, ug/kg dw	<2000
Phenanthrene, ug/kg dw	<400
Phenol, ug/kg dw	<400
Pyrene, ug/kg dw	<400
Pyridine, ug/kg dw	<400
2,3,4,6-Tetrachlorophenol, ug/kg dw	<2000
1,2,4-Trichlorobenzene, ug/kg dw	<400
2,4,5-Trichlorophenol, ug/kg dw	<400
2,4,6-Trichlorophenol, ug/kg dw	<400
Surrogate-2-Fluorophenol	63 %
Surrogate-Phenol-d5	68 %
Surrogate-Nitrobenzene-d5	61 %
Surrogate-2-Fluorobiphenyl	67 %
Surrogate-2,4,6-Tribromophenol	52 %
Surrogate-4-Terphenyl-d14	84 %
Date Extracted	07.03.95
Date Analyzed	07.05.95
Batch ID	0703K

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11949A-1	950629-FW-00-SL0004 (36-38)	06-29-95

PARAMETER	11949A-1
Metals by ICP (6010)	
Antimony, mg/kg dw	<5.0
Arsenic, mg/kg dw	3.8
Barium, mg/kg dw	43
Beryllium, mg/kg dw	1.4
Cadmium, mg/kg dw	<0.50
Chromium, mg/kg dw	17
Copper, mg/kg dw	10
Lead, mg/kg dw	9.7
Nickel, mg/kg dw	28
Selenium, mg/kg dw	<1.0
Silver, mg/kg dw	<1.0
Thallium, mg/kg dw	<1.0
Zinc, mg/kg dw	70
Prep or Extraction Date	07.14.95
Date Analyzed	07.14.95
Batch ID	0714C
Mercury (7470/7471)	
Mercury, mg/kg dw	<0.030
Prep or Extraction Date	07.01.95
Date Analyzed	07.03.95
Batch ID	0701R
Cyanide (9012)	
Cyanide, mg/kg dw	<1.2
Date Analyzed	07.14*F99
Batch ID	0713K

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-2	Method Blank Result
11949A-3	Reporting Limit
11949A-4	Lab Control Standard Result
11949A-5	LCS Duplicate Result
11949A-6	LCS Expected Value

PARAMETER	11949A-2	11949A-3	11949A-4	11949A-5	11949A-6
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<25	25	---	---	---
Acrolein, ug/kg dw	<100	100	---	---	---
Acrylonitrile, ug/kg dw	<100	100	---	---	---
Benzene, ug/kg dw	<5.0	5.0	44.0	48.0	50.0
Bromodichloromethane, ug/kg dw	<5.0	5.0	---	---	---
Bromoform, ug/kg dw	<5.0	5.0	---	---	---
Bromomethane, ug/kg dw	<10	10	---	---	---
2-Butanone (MEK), ug/kg dw	<25	25	---	---	---
Carbon disulfide, ug/kg dw	<5.0	5.0	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	5.0	---	---	---
Chlorobenzene, ug/kg dw	<5.0	5.0	43.5	47.0	50.0
Chloroethane, ug/kg dw	<10	10	---	---	---
2-Chloroethylvinyl ether, ug/kg dw	<50	50	---	---	---
Chloroform, ug/kg dw	<5.0	5.0	---	---	---
Chloromethane, ug/kg dw	<10	10	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	5.0	---	---	---
Dibromomethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,4-Dichloro-2-butene , ug/kg dw	<10	10	---	---	---
Dichlorodifluoromethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-2	Method Blank Result
11949A-3	Reporting Limit
11949A-4	Lab Control Standard Result
11949A-5	LCS Duplicate Result
11949A-6	LCS Expected Value

PARAMETER	11949A-2	11949A-3	11949A-4	11949A-5	11949A-6
1,1-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	5.0	53.4	53.8	50.0
1,2-Dichloropropane, ug/kg dw	<5.0	5.0	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
Ethylbenzene, ug/kg dw	<5.0	5.0	---	---	---
Ethyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---
2-Hexanone, ug/kg dw	<25	25	---	---	---
Iodomethane, ug/kg dw	<5.0	5.0	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	5.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	25	---	---	---
Styrene, ug/kg dw	<5.0	5.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	5.0	---	---	---
Toluene, ug/kg dw	<5.0	5.0	42.1	45.7	50.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-2	Method Blank Result
11949A-3	Reporting Limit
11949A-4	Lab Control Standard Result
11949A-5	LCS Duplicate Result
11949A-6	LCS Expected Value

PARAMETER	11949A-2	11949A-3	11949A-4	11949A-5	11949A-6
1,1,2-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
Trichloroethene, ug/kg dw	<5.0	5.0	42.3	46.2	50.0
Trichlorofluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	5.0	---	---	---
Vinyl acetate, ug/kg dw	<10	10	---	---	---
Vinyl chloride, ug/kg dw	<10	10	---	---	---
Xylenes, ug/kg dw	<5.0	5.0	---	---	---
Surrogate - Dibromofluoromethane	118 %	---	---	54.9	---
Surrogate - Toluene-d8	103 %	---	---	51.1	---
Surrogate - 4-Bromofluorobenzene	104 %	---	---	54.8	---
Date Analyzed	07.14.95	---	07.12.95	07.12.95	---
Batch ID	0710D	---	0710D	0710D	---
Clock ID	1J0714	---	1J0712	1J0712	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-2	Method Blank Result
11949A-3	Reporting Limit
11949A-4	Lab Control Standard Result
11949A-5	LCS Duplicate Result
11949A-6	LCS Expected Value

PARAMETER	11949A-2	11949A-3	11949A-4	11949A-5	11949A-6
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	5.0	96.7	96.1	100
Arsenic, mg/kg dw	<1.0	1.0	88.3	90.8	82.4
Barium, mg/kg dw	<1.0	1.0	222	230	238
Beryllium, mg/kg dw	<0.40	0.40	150	156	152
Cadmium, mg/kg dw	<0.50	0.50	86.6	90.9	90.0
Chromium, mg/kg dw	<1.0	1.0	162	167	167
Copper, mg/kg dw	<2.5	2.5	202	205	196
Lead, mg/kg dw	<5.0	0.50	159	157	162
Nickel, mg/kg dw	<4.0	4.0	132	131	135
Selenium, mg/kg dw	<1.0	1.0	111	108	109
Silver, mg/kg dw	<1.0	1.0	66.8	69.3	65.4
Thallium, mg/kg dw	<1.0	1.0	123	129	127
Zinc, mg/kg dw	<2.0	2.0	188	197	199
Prep or Extraction Date	07.14.95	---	07.14.95	07.14.95	---
Date Analyzed	07.14.95	---	07.14.95	07.14.95	---
Batch ID	0714C	---	0714C	0714C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A

Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-7	LCS/LCSD % Recovery
11949A-8	Accuracy Control Limits
11949A-9	Precision (% RPD) of LCS/LCSD
11949A-10	Precision Control Limit

PARAMETER	11949A-7	11949A-8	11949A-9	11949A-10
Volatile Organic Compounds (8240)				
Benzene, %	88/96 %	48-150 %	8.7 %	<27 %
Chlorobenzene, %	87/94 %	54-138 %	7.7 %	<33 %
1,1-Dichloroethene, %	107/108 %	36-161 %	0.92 %	<50 %
Toluene, %	84/91 %	51-141 %	8.0 %	<27 %
Trichloroethene, %	85/92 %	85/92 %	8.0 %	<27 %
Metals by ICP (6010)				
Antimony, %	97/96 %	70-130 %	1.0 %	<30 %
Arsenic, %	107/110 %	70-130 %	2.8 %	<30 %
Barium, %	93/96 %	70-130 %	3.2 %	<30 %
Beryllium, %	99/102 %	70-130 %	3.0 %	<30 %
Cadmium, %	96/101 %	70-130 %	5.1 %	<30 %
Chromium, %	96/100 %	70-130 %	3.0 %	<30 %
Copper, %	103/105 %	70-130 %	1.9 %	<30 %
Lead, %	98/97 %	70-130 %	1.0 %	<30 %
Nickel, %	98/97 %	70-130 %	1.0 %	<30 %
Selenium, %	102/99 %	70-130 %	3.0 %	<30 %
Silver, %	102/106 %	70-130 %	3.8 %	<30 %
Thallium, %	97/102 %	70-130 %	5.0 %	<30 %
Zinc, %	94/99 %	70-130 %	5.2 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A
Revised 08.09.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-11	Initial Calibration Verification Standard Result
11949A-12	ICVS % Recovery
11949A-13	ICVS Calibration Blank Result
11949A-14	Continuing CVS Result
11949A-15	CCVS % Recovery

PARAMETER	11949A-11	11949A-12	11949A-13	11949A-14	11949A-15
Metals by ICP (6010)					
Antimony, mg/l	0.983	98 %	<0.050	1.04	104 %
Arsenic, mg/l	1.01	101 %	<0.010	1.03	103 %
Barium, mg/l	1.02	102 %	<0.010	1.03	103 %
Beryllium, mg/l	1.02	102 %	<0.0040	1.03	103 %
Cadmium, mg/l	1.03	103 %	<0.0050	1.03	103 %
Chromium, mg/l	1.03	103 %	<0.010	1.03	103 %
Copper, mg/l	1.03	103 %	<0.025	1.05	105 %
Lead, mg/l	1.00	100 %	<0.050	1.02	102 %
Nickel, mg/l	1.03	103 %	<0.040	1.03	103 %
Selenium, mg/l	1.03	103 %	<0.10	1.04	104 %
Silver, mg/l	0.972	97 %	<0.010	1.05	105 %
Thallium, mg/l	1.04	104 %	<0.010	1.02	102 %
Zinc, mg/l	1.03	103 %	<0.020	1.00	100 %
Date Analyzed	07.14.95	---	07.14.95	07.14.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A
Revised 08.09.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-16	CCVS Calibration Blank Result
11949A-17	CVS Expected Value
11949A-18	CVS Control Limits

PARAMETER	11949A-16	11949A-17	11949A-18
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.10	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A
Revised 08.09.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-19	Matrix Spike Result (batch)
11949A-20	MS Duplicate Result (batch)
11949A-21	Matrix Spike Expected Value
11949A-22	MS/MSD % Recovery
11949A-23	Accuracy Control Limits

PARAMETER	11949A-19	11949A-20	11949A-21	11949A-22	11949A-23
Volatile Organic Compounds (8240)					
Benzene, ug/kg dw	58.8	62.7	59.0	100/106 %	48-150 %
Chlorobenzene, ug/kg dw	48.2	50.9	59.0	82/86 %	54-138 %
1,1-Dichloroethene, ug/kg dw	61.2	62.5	59.0	104/106 %	36-161 %
Toluene, ug/kg dw	49.7	51.8	59.0	84/88 %	51-141 %
Trichloroethene, ug/kg dw	50.1	51.7	59.0	85/88 %	43-140 %
Surrogate - Dibromofluoromethane	117 %	130 %*F36	---	---	---
Surrogate - Toluene-d8	96 %	102 %	---	---	---
Surrogate - 4-Bromofluorobenzene	95 %	126 %	---	---	---
Date Analyzed	07.13.95	07.13.95	---	---	---
Batch ID	0710D	0710D	---	---	---
Clock ID	1J0713	1J0713	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A
Revised 08.09.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-19	Matrix Spike Result (batch)
11949A-20	MS Duplicate Result (batch)
11949A-21	Matrix Spike Expected Value
11949A-22	MS/MSD % Recovery
11949A-23	Accuracy Control Limits

PARAMETER	11949A-19	11949A-20	11949A-21	11949A-22	11949A-23
Metals by ICP (6010)					
Antimony, mg/kg dw	37.4	30.4	100	37/30 %	80-120 %
Arsenic, mg/kg dw	95.8	91.4	100	96/91 %	80-120 %
Barium, mg/kg dw	103	104	100	103/104 %	80-120 %
Beryllium, mg/kg dw	96.2	94.9	100	96/95 %	80-120 %
Cadmium, mg/kg dw	90.7	89.7	100	91/90 %	80-120 %
Chromium, mg/kg dw	98.2	102	100	98/102 %	80-120 %
Copper, mg/kg dw	99.0	95.7	100	99/96 %	80-120 %
Lead, mg/kg dw	96.9	93.8	100	97/94 %	80-120 %
Nickel, mg/kg dw	104	105	100	104/105 %	80-120 %
Selenium, mg/kg dw	90.9	87.5	100	91/88 %	80-120 %
Silver, mg/kg dw	94.6	93.2	100	95/93 %	80-120 %
Thallium, mg/kg dw	89.5	89.2	100	90/89 %	80-120 %
Zinc, mg/kg dw	123	116	100	123/116 %	80-120 %
Prep or Extraction Date	07.14.95	07.14.95	---	---	---
Date Analyzed	07.14.95	07.14.95	---	---	---
Batch ID	0714C	0714C	---	---	---

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

See log# T511949 for QC Data for Method 8270, mercury and cyanide.

*F99=See Project Narrative.

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11949A
Revised 08.09.95
Received: 30 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/Sloss/LTO#09743/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11949A-24	Precision (% RPD) of MS/MSD
11949A-25	Precision Control Limit

PARAMETER	11949A-24	11949A-25
Volatile Organic Compounds (8240)		
Benzene, %	5.8 %	<27 %
Chlorobenzene, %	4.7 %	<33 %
1,1-Dichloroethene, %	1.9 %	<50 %
Toluene, %	4.6 %	<27 %
Trichloroethene, %	3.5 %	<27 %
Metals by ICP (6010)		
Antimony, %	21 %	<20 %
Arsenic, %	5.3 %	<20 %
Barium, %	0.97 %	<20 %
Beryllium, %	1.0 %	<20 %
Cadmium, %	1.1 %	<20 %
Chromium, %	4.0 %	<20 %
Copper, %	3.1 %	<20 %
Lead, %	3.1 %	<20 %
Nickel, %	0.96 %	<20 %
Selenium, %	3.3 %	<20 %
Silver, %	2.1 %	<20 %
Thallium, %	1.1 %	<20 %
Zinc, %	5.9 %	<20 %

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

See log# T511949 for QC Data for Method 8270, mercury and cyanide.

*F99=See Project Narrative.

*F36=Surrogate recovery was outside established limits due to matrix interference in the sample.

Elizabeth L. Schneider
Elizabeth L. Schneider

DATA VALIDATION CHECKLIST
SECTION ONE

TS-12142

PROJECT NAME: Sloss Industries
PROJECT NUMBER: TF0320.013
SAMPLING DATE: _____ VALIDATION DATE: 8/14/95
SAMPLE IDENTIFICATION: 950719-FW-IW-GW0005; 950719-FW-00-SL0005(0-2), (2-4), (4-6); SL0006(0-2), (10-12), (20-22)
SAMPLING TEAM: _____
ANALYZING LABORATORY: _____
ANALYSES PERFORMED: 950719-FW-00-TB0003;
SAMPLE MATRIX: _____
QA REPORTING LEVEL: II

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS:1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED					
2. SAMPLING TEAM INDICATED					
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED					
4. SAMPLE LOCATION					
5. SAMPLE DEPTH FOR SOILS					
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC					
7. FIELD SAMPLE PREPARATION TECHNIQUES					
8. SAMPLE TYPE (GRAB, COMPOSITE)					
9. SAMPLE CONTAINER TYPE					
10. PRESERVATION METHODS					
11. CHAIN OF CUSTODY FORM COMPLETED					
12. REQUIRED ANALYTICAL METHODS REQUESTED					
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED					
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)					
15. FIELD EQUIPMENT CALIBRATION					
16. FIELD EQUIPMENT DECONTAMINATION					
17. SAMPLE SHIPPING					
18. LABORATORY TASK ORDER					

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS: _____

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		✓		✓	
2. PARAMETERS ANALYZED		✓		✓	
3. METHOD OF ANALYSIS		✓		✓	
4. DETECTION LIMITS OF ANALYSIS		✓		✓	
5. MASTER TRACKING LIST					✓
6. SAMPLE COLLECTION DATE		✓		✓	
7. LAB SAMPLE RECEIVED DATE		✓		✓	
8. SAMPLE PREPARATION/EXTRACTION DATE		✓		✓	
9. SAMPLE ANALYSIS DATE		✓		✓	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		✓		✓	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		✓		✓	

COMMENTS: D 2-chloroethylvinylether for soils 50µg/kg not 10µg/kg.

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)1/	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS2/ OR RWS3/ % RECOVERY (%R)					
3. MSD4/ OR RWSD5/ OR LD6/ %R					
4. RPD7/					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I_
REQUIREMENTS_____

	Reported		In Limits		Not
	No	Yes	No	Yes	Required
1. Water blanks					
2. Extraction blanks					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

Comments: _____

QA REPORTING LEVEL: II
REQUIREMENTS
A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. Water blanks					
2. Extraction blanks					
3. MS[4/] (batch specific)					
4. MSD[5/] (batch specific)					
5. LD[6/] (optional)					
6. MS/MSD RPD or sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate spikes					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

1. Water blanks		✓		✓	
2. Extraction blanks		✓		✓	
3. MS (Batch specific)		✓		✓	
4. MSD (Batch specific)		✓		✓	
5. LD (Optional)					✓
6. MS/MSD RPD or sample/LD RPD		✓		✓	
7. RWS		✓		✓	
8. RWSD		✓		✓	
9. RWS RPD		✓		✓	
10. Surrogate spikes		✓		✓	

COMMENTS: _____

1/ RWS = REAGENT WATER SPIKE; 2/ RWSD = REAGENT WATER SPIKE DUPLICATE;
3/ RPD = RELATIVE PERCENT DIFFERENCE; 4/ MS = MATRIX SPIKE;
5/ MSD = MATRIX SPIKE DUPLICATE; 6/ LD = LAB DUP

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II
REQUIREMENTS (BATCH SPECIFIC QA)1/

	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS		✓		✓	
2. MS % RECOVERY (%R)		✓	✓	✓	
3. MSD OR LAB DUPLICATE % R		✓	✓	✓	
4. RWS % R		✓		✓	
5. RWSD % R		✓		✓	
6. RPDs FOR MS/MSD, SAMPLE/LD, RWS/RWSD		✓	✓	✓	
7. LCS8/ %R		✓		✓	
8. ICVS 9/ %R		✓		✓	

COMMENTS: ②&③ See attached note ⑥ See attached

QA REPORTING LEVEL: III
REQUIREMENTS (SAMPLE SPECIFIC QA)10/

1. CALIBRATION CURVE STANDARDS					
2. ICVS %R					
3. CCVS11/ %R					
4. LCS %R					
5. METHOD BLANKS					
6. ICS12/ %R (ICP ONLY)					
7. DCS13/ %R (ICP ONLY)					
8. MS %R					
9. LD OR MSD %R AND RPD					
10. POST DIGESTION ANALYTICAL SPIKE14/					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY

PROJECT NAME: Sloss FW Investigation PROJECT NUMBER: TF0320.13
QA REPORTING LEVEL: II VALIDATION DATE: 8/14/95

ALL QA REPORTING LEVELS (I,II,III)

SUMMARY OF CHECKLIST FINDINGS

	Reported No	Reported Yes	Performance Acceptable No	Performance Acceptable Yes	Not Required
1. Field measurements of pH and specific conductance are consistent with historical data					✓
2. Field Records					
3. Methods (Gen.Info. Section One)		✓		✓	
4. Holding Times (Master Sample List)					
A. Extraction holding times		✓		✓	
B. Analysis holding times		✓		✓	
5. Detection Limits (Section One)		✓	① ✓	✓	
6. Blanks (Sections Two or Three)					
A. Equipment rinsate blanks		✓	② ✓	✓	
B. Field blanks		✓	② ✓	✓	
C. Trip blanks		✓	② ✓	✓	
D. Laboratory blanks		✓		✓	
7. Field replicates					✓
8. Field splits					✓
9. Geophysical comparisons					
A. Cation vs Anion					✓
B. TDS vs Spec. Conductance					✓
C. pH vs Alk/Acidity					✓
D. Other					✓
10. Metals QA Data (Section Two)		✓	③ ✓	✓	
11. Inorganic Wet Chemistry (Sec. Two)		✓	④ ✓	✓	
12. Organic QA Data-GC (Section Three-A)					✓
13. Organic Wet Chemistry (Sec. Three-A)					✓
14. Organic QA Data-GC/MS (Sec. Three-B)		✓		✓	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.

COMMENTS:
1) 2 chloroethyl vinyl ether PQL for soils not met.
2) numerous compounds detected some data affected
3) Sb and Ag low recoveries for MS/MSD
4) CN low recoveries for MS/MSD.

TS-1.142

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING

PROJECT NAME: Sloss FW Investigation PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: II VALIDATION DATE: 8/14/95

1. QUALIFIER CODES ASSIGNED TO DATA: R, (U) J, (U/J), B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE		See Attachment
J CODE		
U/J CODE		See Attachment

EXPLANATION:

VALIDATION PERFORMED BY: Michael C. Price

SIGNED:

DATE: 10-25-95

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE: ATTACHMENT FOR SAVANNAH DATA PACKAGE T5-12142

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE	SL0005(0-2), SL0005(2-4), SL0006(0-2), SL0006(10-12), SL0006(20-22) SL0005(0-2), SL0005(4-6), SL0006(0-2), GW0005, SL0005(2-4), SL0005(4-6) GW0005 GW0005, SL0006(20-22) GW0005, SL0006(0-2),	Acetone Acetone Styrene Tetrachloroethene Toluene Trichloroethene Xylenes
J CODE		
U/J CODE	SL0005(0-2), SL0005(2-4), SL0005(4-6), SL0006(0-2), SL0006(10-12), SL0006(20-22)	Antimony, Silver, Cyanide Antimony, Silver. Cyanide

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

Project Narrative: T512142

Client:	Sloss Industries/Geraghty & Miller, Inc.
Project:	TF0320/Sloss Industries
Client Project Manager:	Charles Jones - Sloss Pedro Fierro - Geraghty & Miller
Laboratory:	Savannah Laboratories & Environmental Services, Inc. Tallahassee Division
Laboratory Project Manager:	Elizabeth L. Schneider
Date:	August 10, 1995

One water sample, one trip blank, and six soil samples were received intact on July 20, 1995, for analysis by Methods 8240, 8270, 6010, 7470, 7471, and 9012, utilizing the target compound list specified in the Sloss Industries QAPP.

Estimated values between the MDL and reporting limits were reported and flagged "J". Insufficient sample was available for liquid matrix spikes. The trip blank exhibited low-level contamination with four volatile compounds (xylene, styrene, carbon disulfide, and trichloroethene) above the reporting limit, and three compounds (benzene, tetrachloroethene, and toluene) below the reporting limit. Control blanks were analyzed and found to contain carbon disulfide at levels from 0.13J to 1.5 ug/l and tetrachloroethene around 0.10 ug/l. Additional method blanks were added for all volatile clocks (tune periods) within a batch. No other analytical or quality problems or events occurred.

Elizabeth L. Schneider

Elizabeth L. Schneider
Project Manager

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1
Volatile Organic Compounds (8240)	
Acetone, ug/l	<10
Acrolein, ug/l	<20
Acrylonitrile, ug/l	<20
Benzene, ug/l	<1.0
Bromodichloromethane, ug/l	<1.0
Bromoform, ug/l	<1.0
Bromomethane, ug/l	<2.0
2-Butanone (MEK), ug/l	<10
Carbon disulfide, ug/l	<1.0
Carbon tetrachloride, ug/l	<1.0
Chlorobenzene, ug/l	1.3
Chloroethane, ug/l	<1.0
2-Chloroethylvinyl ether, ug/l	<10
Chloroform, ug/l	<1.0
Chloromethane, ug/l	<1.0
Dibromochloromethane, ug/l	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0
Dibromomethane, ug/l	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0
Dichlorodifluoromethane, ug/l	<1.0
1,1-Dichloroethane, ug/l	<1.0
1,2-Dichloroethane, ug/l	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0
1,1-Dichloroethene, ug/l	0.14J
1,2-Dichloropropane, ug/l	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1		
cis-1,3-Dichloropropene, ug/l	<1.0		
trans-1,3-Dichloropropene, ug/l	<1.0		
Ethylbenzene, ug/l	<1.0		
Ethyl methacrylate, ug/l	<1.0		
2-Hexanone, ug/l	<1.0		
Iodomethane, ug/l	<1.0		
Methylene chloride (Dichloromethane), ug/l	<1.0		
4-Methyl-2-pentanone (MIBK), ug/l	<10		
Styrene, ug/l	<1.0		
1,1,2,2-Tetrachloroethane, ug/l	<1.0		
Tetrachloroethene, ug/l	0.18J		
Toluene, ug/l	0.37J		
1,1,1-Trichloroethane, ug/l	<1.0		
1,1,2-Trichloroethane, ug/l	<1.0		
Trichloroethene, ug/l	0.92J		
Trichlorofluoromethane, ug/l	<1.0		
1,2,3-Trichloropropane, ug/l	<1.0		
Vinyl acetate, ug/l	<2.0		
Vinyl chloride, ug/l	<1.0		
Xylenes, ug/l	0.26J		
Surrogate - Dibromofluoromethane	86 %		
Surrogate - Toluene-d8	87 %		
Surrogate - 4-Bromofluorobenzene	84 %		
Date Analyzed	08.02.95		
Batch ID	0727B		
Clock ID	1I0802		

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1
Semivolatile Organics (8270)	
Acenaphthene, ug/l	<10
Acenaphthylene, ug/l	<10
Anthracene, ug/l	<10
Benzo(a)anthracene, ug/l	<10
Benzo(b)fluoranthene, ug/l	<10
Benzo(k)fluoranthene, ug/l	<10
Benzo(g,h,i)perylene, ug/l	<10
Benzo(a)pyrene, ug/l	<10
Benzyl alcohol, ug/l	<10
bis(2-Chloroethoxy)methane, ug/l	<10
bis(2-Chloroethyl)ether, ug/l	<10
bis(2-Chloroisopropyl)ether, ug/l	<10
bis(2-Ethylhexyl)phthalate, ug/l	<10
4-Bromophenyl phenyl ether, ug/l	<10
p-Chloroaniline, ug/l	<20
4-Chloro-3-methylphenol, ug/l	<10
2-Chloronaphthalene, ug/l	<10
2-Chlorophenol, ug/l	<10
4-Chlorophenylphenyl ether, ug/l	<10
Chrysene, ug/l	<10
Dibenzo(a,h)anthracene, ug/l	<10
Dibenzofuran, ug/l	<10
Di-n-butylphthalate, ug/l	<10
1,2-Dichlorobenzene, ug/l	<10
1,3-Dichlorobenzene, ug/l	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1				
1,4-Dichlorobenzene, ug/l	<10				
2,4-Dichlorophenol, ug/l	<10				
2,6-Dichlorophenol, ug/l	<10				
Diethylphthalate, ug/l	<10				
3,3'-Dimethylbenzidine, ug/l	<20				
2,4-Dimethylphenol, ug/l	<10				
Dimethylphthalate, ug/l	<10				
2,4-Dinitrophenol, ug/l	<50				
2,4-Dinitrotoluene, ug/l	<50				
2,6-Dinitrotoluene, ug/l	<10				
Di-n-octylphthalate, ug/l	<10				
Fluoranthene, ug/l	<10				
Fluorene, ug/l	<10				
Hexachlorobenzene, ug/l	<10				
Hexachlorobutadiene, ug/l	<10				
Hexachlorocyclopentadiene, ug/l	<10				
Hexachloroethane, ug/l	<10				
Indeno(1,2,3-cd)pyrene, ug/l	<10				
Isophorone, ug/l	<10				
2-Methyl-4,6-dinitrophenol, ug/l	<50				
2-Methylnaphthalene, ug/l	<10				
2-Methylphenol (o-cresol), ug/l	<10				
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10				
Naphthalene, ug/l	<10				
2-Nitroaniline, ug/l	<50				
3-Nitroaniline, ug/l	<50				

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1		
4-Nitroaniline, ug/l	<50		
Nitrobenzene, ug/l	<10		
2-Nitrophenol, ug/l	<10		
4-Nitrophenol, ug/l	<50		
N-Nitrosodimethylamine, ug/l	<10		
n-Nitrosodi-n-propylamine, ug/l	<10		
Pentachlorophenol, ug/l	<50		
Phenanthrene, ug/l	<10		
Phenol, ug/l	<10		
Pyrene, ug/l	<10		
Pyridine, ug/l	<200		
2,3,4,6-Tetrachlorophenol, ug/l	<50		
1,2,4-Trichlorobenzene, ug/l	<10		
2,4,5-Trichlorophenol, ug/l	<10		
2,4,6-Trichlorophenol, ug/l	<10		
Surrogate-2-Fluorophenol	68 %		
Surrogate-Phenol-d5	71 %		
Surrogate-Nitrobenzene-d5	75 %		
Surrogate-2-Fluorobiphenyl	68 %		
Surrogate-2,4,6-Tribromophenol	71 %		
Surrogate-4-Terphenyl-d14	57 %		
Date Extracted	07.24.95		
Date Analyzed	07.29.95		
Batch ID	0724C		

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-1	950719-FW-IW-GW0005	07-19-95/1130

PARAMETER	12142-1
Metals by ICP (6010)	
Antimony, mg/l	<0.050
Arsenic, mg/l	<0.010
Barium, mg/l	0.11
Beryllium, mg/l	<0.0040
Cadmium, mg/l	<0.0050
Chromium, mg/l	<0.010
Copper, mg/l	<0.025
Lead, mg/l	<0.0050
Nickel, mg/l	<0.040
Selenium, mg/l	<0.010
Silver, mg/l	<0.010
Thallium, mg/l	<0.010
Zinc, mg/l	0.035
Prep or Extraction Date	07.24.95
Date Analyzed	07.25.95
Batch ID	0724J
Mercury (7470/7471)	
Mercury, mg/l	<0.00020
Prep or Extraction Date	07.24.95
Date Analyzed	07.25.95
Batch ID	0724V
Cyanide (9012)	
Cyanide, mg/l	0.059
Date Analyzed	07.26.95
Batch ID	0726B

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-2	950719-FW-00-TB0003	06-08-95/1600

PARAMETER	12142-2				
Volatile Organic Compounds (8240)					
Acetone, ug/l	<10				
Acrolein, ug/l	<20				
Acrylonitrile, ug/l	<20				
Benzene, ug/l	0.70J				
Bromodichloromethane, ug/l	<1.0				
Bromoform, ug/l	<1.0				
Bromomethane, ug/l	<2.0				
2-Butanone (MEK), ug/l	<10				
Carbon disulfide, ug/l	2.4				
Carbon tetrachloride, ug/l	<1.0				
Chlorobenzene, ug/l	<1.0				
Chloroethane, ug/l	<1.0				
2-Chloroethylvinyl ether, ug/l	<10				
Chloroform, ug/l	<1.0				
Chloromethane, ug/l	<1.0				
Dibromochloromethane, ug/l	<1.0				
1,2-Dibromoethane (EDB) , ug/l	<1.0				
Dibromomethane, ug/l	<1.0				
trans-1,4-Dichloro-2-butene, ug/l	<2.0				
Dichlorodifluoromethane, ug/l	<1.0				
1,1-Dichloroethane, ug/l	<1.0				
1,2-Dichloroethane, ug/l	<1.0				
trans-1,2-Dichloroethene, ug/l	<1.0				
1,1-Dichloroethene, ug/l	<1.0				
1,2-Dichloropropane, ug/l	<1.0				

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
12142-2	950719-FW-00-TB0003	06-08-95/1600

PARAMETER	12142-2
cis-1,3-Dichloropropene, ug/l	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0
Ethylbenzene, ug/l	<1.0
Ethyl methacrylate, ug/l	<1.0
2-Hexanone, ug/l	<1.0
Iodomethane, ug/l	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10
Styrene, ug/l	3.5
1,1,2,2-Tetrachloroethane, ug/l	<1.0
Tetrachloroethene, ug/l	0.48J
Toluene, ug/l	0.12J
1,1,1-Trichloroethane, ug/l	<1.0
1,1,2-Trichloroethane, ug/l	<1.0
Trichloroethene, ug/l	1.3
Trichlorofluoromethane, ug/l	<1.0
1,2,3-Trichloropropane, ug/l	<1.0
Vinyl acetate, ug/l	<2.0
Vinyl chloride, ug/l	<1.0
Xylenes, ug/l	1.4
Surrogate - Dibromofluoromethane	93 %
Surrogate - Toluene-d8	92 %
Surrogate - 4-Bromofluorobenzene	87 %
Date Analyzed	08.02.95
Batch ID	0727B
Clock ID	1I0802

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	38	7.0J	<28	13J	20J
Acrolein, ug/kg dw	<110	<100	<110	<120	<110
Acrylonitrile, ug/kg dw	<110	<100	<110	<120	<110
Benzene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Bromodichloromethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Bromoform, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Bromomethane, ug/kg dw	<11	<10	<11	<12	<11
2-Butanone (MEK), ug/kg dw	<28	<26	<28	<30	<28
Carbon disulfide, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Carbon tetrachloride, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Chlorobenzene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Chloroethane, ug/kg dw	<11	<10	<11	<12	<11
2-Chloroethylvinyl ether, ug/kg dw	<56	<52	<58	<61	<57
Chloroform, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Chloromethane, ug/kg dw	<11	<10	<11	<12	<11
Dibromochloromethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
1,2-Dibromoethane (EDB) , ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Dibromomethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
trans-1,4-Dichloro-2-butene , ug/kg dw	<11	<10	<11	<12	<11
Dichlorodifluoromethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
1,1-Dichloroethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
1,2-Dichloroethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
trans-1,2-Dichloroethene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
1,1-Dichloroethene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
1,2-Dichloropropane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
cis-1,3-Dichloropropene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
trans-1,3-Dichloropropene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Ethylbenzene, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Ethyl methacrylate, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
2-Hexanone, ug/kg dw	<28	<26	<28	<30	<28
Iodomethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Methylene chloride (Dichloromethane), ug/kg dw	<5.6	<5.2	<5.8	1.9J	1.4J
4-Methyl-2-pentanone (MIBK), ug/kg dw	<2.8	<26	<28	<30	<28
Styrene, ug/kg dw	1.9J	<5.2	1.2J	1.8J	<5.7
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Tetrachloroethene, ug/kg dw	3.2J	1.1J	1.8J	20	<5.7
Toluene, ug/kg dw	<5.6	<5.2	<5.8	7.4	<5.7
1,1,1-Trichloroethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
1,1,2-Trichloroethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Trichloroethene, ug/kg dw	12	2.6J	8.0	82	<5.7
Trichlorofluoromethane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
1,2,3-Trichloropropane, ug/kg dw	<5.6	<5.2	<5.8	<6.1	<5.7
Vinyl acetate, ug/kg dw	<11	<10	<11	<10	<11
Vinyl chloride, ug/kg dw	<11	<10	<11	<12	<11
Xylenes, ug/kg dw	<5.6	<5.2	<5.8	5.0J	<5.7
Surrogate - Dibromofluoromethane	106 %	95 %	82 %	104 %	94 %
Surrogate - Toluene-d8	102 %	86 %	86 %	95 %	94 %
Surrogate - 4-Bromofluorobenzene	120 %	80 %	82 %	123 %	110 %
Date Analyzed	07.24.95	07.25.95	07.24.95	07.24.95	07.24.95
Batch ID	0721A	0721A	0721A	0721A	0721A
Clock ID	1J0724	1J0725	1J0724	1J0724	1J0724

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<360	<360	<350	<370	<390
Acenaphthylene, ug/kg dw	<360	<360	<350	<370	<390
Anthracene, ug/kg dw	<360	<360	<350	<370	<390
Benzo(a)anthracene, ug/kg dw	<360	<360	<350	<370	<390
Benzo(b)fluoranthene, ug/kg dw	<360	<360	<350	<370	<390
Benzo(k)fluoranthene, ug/kg dw	<360	<360	<350	<370	<390
Benzo(g,h,i)perylene, ug/kg dw	<360	<360	<350	<370	<390
Benzo(a)pyrene, ug/kg dw	<360	<360	<350	<370	<390
Benzyl alcohol, ug/kg dw	<360	<360	<350	<370	<390
bis(2-Chloroethoxy)methane, ug/kg dw	<360	<360	<350	<370	<390
bis(2-Chloroethyl)ether, ug/kg dw	<360	<360	<350	<370	<390
bis(2-Chloroisopropyl)ether , ug/kg dw	<360	<360	<350	<370	<390
bis(2-Ethylhexyl)phthalate, ug/kg dw	<360	<360	<350	<370	<390
4-Bromophenyl phenyl ether, ug/kg dw	<360	<360	<350	<370	<390
p-Chloroaniline, ug/kg dw	<720	<720	<710	<750	<780
4-Chloro-3-methylphenol, ug/kg dw	<360	<360	<350	<370	<390
2-Chloronaphthalene, ug/kg dw	<360	<360	<350	<370	<390

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
2-Chlorophenol, ug/kg dw	<360	<360	<350	<370	<390
4-Chlorophenylphenyl ether, ug/kg dw	<360	<360	<350	<370	<390
Chrysene, ug/kg dw	<360	<360	<350	<370	<390
Dibenzo(a,h)anthracene, ug/kg dw	<360	<360	<350	<370	<390
Dibenzofuran, ug/kg dw	<360	<360	<350	<370	<390
Di-n-butylphthalate, ug/kg dw	<360	72J	<350	<370	<390
1,2-Dichlorobenzene, ug/kg dw	<360	<360	<350	<370	<390
1,3-Dichlorobenzene, ug/kg dw	<360	<360	<350	<370	<390
1,4-Dichlorobenzene, ug/kg dw	<360	<360	<350	<370	<390
2,4-Dichlorophenol, ug/kg dw	<360	<360	<350	<370	<390
2,6-Dichlorophenol, ug/kg dw	<360	<360	<350	<370	<390
Diethylphthalate, ug/kg dw	<360	<360	<350	<370	<390
3,3'-Dimethylbenzidine, ug/kg dw	<720	<720	<710	<750	<780
2,4-Dimethylphenol, ug/kg dw	<360	<360	<350	<370	<390
Dimethylphthalate, ug/kg dw	<360	<360	<350	<370	<390
2,4-Dinitrophenol, ug/kg dw	<1800	<1800	<1800	<1900	<1900
2,4-Dinitrotoluene, ug/kg dw	<360	<360	<350	<370	<370
2,6-Dinitrotoluene, ug/kg dw	<360	<360	<350	<370	<370
Di-n-octylphthalate, ug/kg dw	<360	18J	<350	38J	180J
Fluoranthene, ug/kg dw	<360	<360	<350	<370	<370
Fluorene, ug/kg dw	<360	<360	<350	<370	<370

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
Hexachlorobenzene, ug/kg dw	<360	<360	<350	<370	<370
Hexachlorobutadiene, ug/kg dw	<360	<360	<350	<370	<370
Hexachlorocyclopentadiene, ug/kg dw	<360	<360	<350	<370	<370
Hexachloroethane, ug/kg dw	<360	<360	<350	<370	<370
Indeno(1,2,3-cd)pyrene, ug/kg dw	<360	<360	<350	<370	<370
Isophorone, ug/kg dw	<360	<360	<350	<370	<370
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1800	<1800	<1800	<1900	<1900
2-Methylnaphthalene, ug/kg dw	<360	<360	<350	<370	<390
2-Methylphenol (o-cresol), ug/kg dw	<360	<360	<350	<370	<390
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<360	<1800	<350	<370	<390
Naphthalene, ug/kg dw	<360	<360	<350	<370	<390
2-Nitroaniline, ug/kg dw	<1800	<1800	<1800	<1900	<1900
3-Nitroaniline, ug/kg dw	<1800	<1800	<1800	<1900	<1900
4-Nitroaniline, ug/kg dw	<1800	<1800	<1800	<1900	<1900
Nitrobenzene, ug/kg dw	<360	<360	<350	<370	<390
2-Nitrophenol, ug/kg dw	<360	<360	<350	<370	<390
4-Nitrophenol, ug/kg dw	<1800	<1800	<1800	<1900	<1900
N-Nitrosodimethylamine, ug/kg dw	<360	<360	<350	<370	<390

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
n-Nitrosodi-n-propylamine, ug/kg dw	<360	<360	<350	<370	<390
Pentachlorophenol, ug/kg dw	<1800	<1800	<1800	<1900	<1900
Phenanthrene, ug/kg dw	<360	<360	<350	<370	<390
Phenol, ug/kg dw	<360	<360	<350	<370	<390
Pyrene, ug/kg dw	<360	<360	<350	<370	<390
Pyridine, ug/kg dw	<360	<360	<350	<370	<390
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1800	<1800	<1800	<1900	<1900
1,2,4-Trichlorobenzene, ug/kg dw	<360	<360	<350	<370	<390
2,4,5-Trichlorophenol, ug/kg dw	<360	<360	<350	<370	<390
2,4,6-Trichlorophenol, ug/kg dw	<360	<360	<350	<370	<390
Surrogate-2-Fluorophenol	60 %	61 %	61 %	60 %	63 %
Surrogate-Phenol-d5	64 %	69 %	62 %	63 %	66 %
Surrogate-Nitrobenzene-d5	67 %	81 %	65 %	75 %	70 %
Surrogate-2-Fluorobiphenyl	68 %	73 %	66 %	69 %	68 %
Surrogate-2,4,6-Tribromophenol	54 %	88 %	60 %	61 %	65 %
Surrogate-4-Terphenyl-d14	78 %	83 %	76 %	73 %	73 %
Date Extracted	07.24.95	07.24.95	07.24.95	07.24.95	07.24.95
Date Analyzed	07.28.95	07.25.95	07.28.95	07.28.95	07.28.95
Batch ID	0724H	0724H	0724H	0724H	0724H

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic, mg/kg dw	6.0	3.1	5.5	7.6	7.9
Barium, mg/kg dw	58	28	15	72	45
Beryllium, mg/kg dw	0.52	0.53	<0.40	0.58	<0.40
Cadmium, mg/kg dw	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium, mg/kg dw	37	32	18	30	36
Copper, mg/kg dw	12	11	6.1	9.9	10
Lead, mg/kg dw	15	11	8.0	10	14
Nickel, mg/kg dw	4.7	<4.0	<4.0	15	7.8
Selenium, mg/kg dw	<1.0	<1.0	<1.0	<1.0	<1.0
Silver, mg/kg dw	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, mg/kg dw	<1.0	<1.0	<1.0	<1.0	<1.0
Zinc, mg/kg dw	29	40	11	45	21
Prep or Extraction Date	07.24.95	07.24.95	07.24.95	07.24.95	07.24.95
Date Analyzed	07.24.95	07.24.95	07.24.95	07.24.95	07.24.95
Batch ID	0724C	0724C	0724C	0724C	0724C
Mercury (7470/7471)					
Mercury, mg/kg dw	0.035	<0.030	<0.030	0.040	<0.030
Prep or Extraction Date	07.25.95	07.25.95	07.25.95	07.25.95	07.25.95
Date Analyzed	07.25.95	07.25.95	07.25.95	07.25.95	07.25.95
Batch ID	0725R	0725R	0725R	0725R	0725R

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-3	950719-FW-00-SL0005 (0-2)	07-19-95/1310
12142-4	950719-FW-00-SL0005 (2-4)	07-19-95/1345
12142-5	950719-FW-00-SL0005 (4-6)	07-19-95/1400
12142-6	950719-FW-00-SL0006 (0-2)	07-19-95/1535
12142-7	950719-FW-00-SL0006 (10-12)	07-19-95/1630

PARAMETER	12142-3	12142-4	12142-5	12142-6	12142-7
Cyanide (9012)					
Cyanide, mg/kg dw	<1.1	<1.1	<1.1	<1.1	<1.2
Date Analyzed	07.28.95	07.28.95	07.28.95	07.28.95	07.28.95
Batch ID	0727K	0727K	0727K	0727K	0727K
Percent Solids, %	92 %	92 %	94 %	89 %	86 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8
Volatile Organic Compounds (8240)	
Acetone, ug/kg dw	16J
Acrolein, ug/kg dw	<120
Acrylonitrile, ug/kg dw	<120
Benzene, ug/kg dw	<6.1
Bromodichloromethane, ug/kg dw	<6.1
Bromoform, ug/kg dw	<6.1
Bromomethane, ug/kg dw	<12
2-Butanone (MEK), ug/kg dw	<30
Carbon disulfide, ug/kg dw	<6.1
Carbon tetrachloride, ug/kg dw	<6.1
Chlorobenzene, ug/kg dw	<6.1
Chloroethane, ug/kg dw	<12
2-Chloroethylvinyl ether, ug/kg dw	<61
Chloroform, ug/kg dw	<6.1
Chloromethane, ug/kg dw	<12
Dibromochloromethane, ug/kg dw	<6.1
1,2-Dibromoethane (EDB) , ug/kg dw	<6.1
Dibromomethane, ug/kg dw	<6.1
trans-1,4-Dichloro-2-butene, ug/kg dw	<12
Dichlorodifluoromethane, ug/kg dw	<6.1
1,1-Dichloroethane, ug/kg dw	<6.1
1,2-Dichloroethane, ug/kg dw	<6.1
trans-1,2-Dichloroethene, ug/kg dw	<6.1
1,1-Dichloroethene, ug/kg dw	<6.1
1,2-Dichloropropane, ug/kg dw	<6.1

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8		
cis-1,3-Dichloropropene, ug/kg dw	<6.1		
trans-1,3-Dichloropropene, ug/kg dw	<6.1		
Ethylbenzene, ug/kg dw	<6.1		
Ethyl methacrylate, ug/kg dw	<6.1		
2-Hexanone, ug/kg dw	<30		
Iodomethane, ug/kg dw	<6.1		
Methylene chloride (Dichloromethane), ug/kg dw	<6.1		
4-Methyl-2-pentanone (MIBK), ug/kg dw	<30		
Styrene, ug/kg dw	<6.1		
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.1		
Tetrachloroethene, ug/kg dw	<6.1		
Toluene, ug/kg dw	<6.1		
1,1,1-Trichloroethane, ug/kg dw	<6.1		
1,1,2-Trichloroethane, ug/kg dw	<6.1		
Trichloroethene, ug/kg dw	3.3J		
Trichlorofluoromethane, ug/kg dw	<6.1		
1,2,3-Trichloropropane, ug/kg dw	<6.1		
Vinyl acetate, ug/kg dw	<12		
Vinyl chloride, ug/kg dw	<12		
Xylenes, ug/kg dw	<6.1		
Surrogate - Dibromofluoromethane	83 %		
Surrogate - Toluene-d8	84 %		
Surrogate - 4-Bromofluorobenzene	85 %		
Date Analyzed	07.24.95		
Batch ID	0721A		
Clock ID	1J0724		

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8				
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<370				
Acenaphthylene, ug/kg dw	<370				
Anthracene, ug/kg dw	<370				
Benzo(a)anthracene, ug/kg dw	<370				
Benzo(b)fluoranthene, ug/kg dw	<370				
Benzo(k)fluoranthene, ug/kg dw	<370				
Benzo(g,h,i)perylene, ug/kg dw	<370				
Benzo(a)pyrene, ug/kg dw	<370				
Benzyl alcohol, ug/kg dw	<370				
bis(2-Chloroethoxy)methane, ug/kg dw	<370				
bis(2-Chloroethyl)ether, ug/kg dw	<370				
bis(2-Chloroisopropyl)ether, ug/kg dw	<370				
bis(2-Ethylhexyl)phthalate, ug/kg dw	<370				
4-Bromophenyl phenyl ether, ug/kg dw	<370				
p-Chloroaniline, ug/kg dw	<740				
4-Chloro-3-methylphenol, ug/kg dw	<370				
2-Chloronaphthalene, ug/kg dw	<370				
2-Chlorophenol, ug/kg dw	<370				
4-Chlorophenylphenyl ether, ug/kg dw	<370				
Chrysene, ug/kg dw	<370				
Dibenzo(a,h)anthracene, ug/kg dw	<370				
Dibenzofuran, ug/kg dw	<370				
Di-n-butylphthalate, ug/kg dw	<370				
1,2-Dichlorobenzene, ug/kg dw	<370				
1,3-Dichlorobenzene, ug/kg dw	<370				

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8				
1,4-Dichlorobenzene, ug/kg dw	<370				
2,4-Dichlorophenol, ug/kg dw	<370				
2,6-Dichlorophenol, ug/kg dw	<370				
Diethylphthalate, ug/kg dw	<370				
3,3'-Dimethylbenzidine, ug/kg dw	<740				
2,4-Dimethylphenol, ug/kg dw	<370				
Dimethylphthalate, ug/kg dw	<370				
2,4-Dinitrophenol, ug/kg dw	<1900				
2,4-Dinitrotoluene, ug/kg dw	<370				
2,6-Dinitrotoluene, ug/kg dw	<370				
Di-n-octylphthalate, ug/kg dw	76J				
Fluoranthene, ug/kg dw	<370				
Fluorene, ug/kg dw	<370				
Hexachlorobenzene, ug/kg dw	<370				
Hexachlorobutadiene, ug/kg dw	<370				
Hexachlorocyclopentadiene, ug/kg dw	<370				
Hexachloroethane, ug/kg dw	<370				
Indeno(1,2,3-cd)pyrene, ug/kg dw	<370				
Isophorone, ug/kg dw	<370				
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1900				
2-Methylnaphthalene, ug/kg dw	<370				
2-Methylphenol (o-cresol), ug/kg dw	<370				
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<370				
Naphthalene, ug/kg dw	<370				
2-Nitroaniline, ug/kg dw	<1900				
3-Nitroaniline, ug/kg dw	<1900				

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8
4-Nitroaniline, ug/kg dw	<1900
Nitrobenzene, ug/kg dw	<370
2-Nitrophenol, ug/kg dw	<370
4-Nitrophenol, ug/kg dw	<1900
N-Nitrosodimethylamine, ug/kg dw	<370
n-Nitrosodi-n-propylamine, ug/kg dw	<370
Pentachlorophenol, ug/kg dw	<1900
Phenanthrene, ug/kg dw	<370
Phenol, ug/kg dw	<370
Pyrene, ug/kg dw	<370
Pyridine, ug/kg dw	<1900
2,3,4,6-Tetrachlorophenol, ug/kg dw	<370
1,2,4-Trichlorobenzene, ug/kg dw	<370
2,4,5-Trichlorophenol, ug/kg dw	<370
2,4,6-Trichlorophenol, ug/kg dw	<370
Surrogate-2-Fluorophenol	60 %
Surrogate-Phenol-d5	66 %
Surrogate-Nitrobenzene-d5	76 %
Surrogate-2-Fluorobiphenyl	70 %
Surrogate-2,4,6-Tribromophenol	85 %
Surrogate-4-Terphenyl-d14	77 %
Date Extracted	07.24.95
Date Analyzed	07.25.95
Batch ID	0724H

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
12142-8	950719-FW-00-SL0006 (20-22)	07-19-95/1720

PARAMETER	12142-8		
Metals by ICP (6010)			
Antimony, mg/kg dw	<5.0		
Arsenic, mg/kg dw	14		
Barium, mg/kg dw	14		
Beryllium, mg/kg dw	<0.40		
Cadmium, mg/kg dw	<0.50		
Chromium, mg/kg dw	13		
Copper, mg/kg dw	9.0		
Lead, mg/kg dw	11		
Nickel, mg/kg dw	<4.0		
Selenium, mg/kg dw	<1.0		
Silver, mg/kg dw	<1.0		
Thallium, mg/kg dw	<1.0		
Zinc, mg/kg dw	8.6		
Prep or Extraction Date	07.24.95		
Date Analyzed	07.24.95		
Batch ID	0724C		
Mercury (7470/7471)			
Mercury, mg/kg dw	<0.030		
Prep or Extraction Date	07.25.95		
Date Analyzed	07.25.95		
Batch ID	0725R		
Cyanide (9012)			
Cyanide, mg/kg dw	<1.1		
Date Analyzed	07.28.95		
Batch ID	0727K		
Percent Solids, %	90 %		

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Volatile Organic Compounds (8240)					
Acetone, ug/l	<10	10	---	---	---
Acrolein, ug/l	<20	20	---	---	---
Acrylonitrile, ug/l	<20	20	---	---	---
Benzene, ug/l	<1.0	1.0	9.23	8.72	10.0
Bromodichloromethane, ug/l	<1.0	1.0	---	---	---
Bromoform, ug/l	<1.0	1.0	---	---	---
Bromomethane, ug/l	<2.0	2.0	---	---	---
2-Butanone (MEK), ug/l	<10	10	---	---	---
Carbon disulfide, ug/l	<1.0	1.0	---	---	---
Carbon tetrachloride, ug/l	<1.0	1.0	---	---	---
Chlorobenzene, ug/l	<1.0	1.0	8.71	8.41	10.0
Chloroethane, ug/l	<1.0	1.0	---	---	---
2-Chloroethylvinyl ether, ug/l	<10	10	---	---	---
Chloroform, ug/l	<1.0	1.0	---	---	---
Chloromethane, ug/l	<1.0	1.0	---	---	---
Dibromochloromethane, ug/l	<1.0	1.0	---	---	---
1,2-Dibromoethane (EDB) , ug/l	<1.0	1.0	---	---	---
Dibromomethane, ug/l	<1.0	1.0	---	---	---
trans-1,4-Dichloro-2-butene, ug/l	<2.0	2.0	---	---	---
Dichlorodifluoromethane, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

12142-9 Method Blank Result
12142-10 Reporting Limit
12142-11 Lab Control Standard Result
12142-12 LCS Duplicate Result
12142-13 LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
1,2-Dichloroethane, ug/l	<1.0	1.0	---	---	---
trans-1,2-Dichloroethene, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethene, ug/l	<1.0	1.0	11.2	10.6	10.0
1,2-Dichloropropane, ug/l	<1.0	1.0	---	---	---
cis-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
trans-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
Ethylbenzene, ug/l	<1.0	1.0	---	---	---
Ethyl methacrylate, ug/l	<1.0	1.0	---	---	---
2-Hexanone, ug/l	<1.0	1.0	---	---	---
Iodomethane, ug/l	<1.0	1.0	---	---	---
Methylene chloride (Dichloromethane), ug/l	0.46J	1.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<10	10	---	---	---
Styrene, ug/l	<1.0	1.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	<1.0	1.0	---	---	---
Tetrachloroethene, ug/l	<1.0	1.0	---	---	---
Toluene, ug/l	<1.0	1.0	9.06	8.67	10.0
1,1,1-Trichloroethane, ug/l	<1.0	1.0	---	---	---
1,1,2-Trichloroethane, ug/l	<1.0	1.0	---	---	---
Trichloroethene, ug/l	<1.0	1.0	11.2	10.7	10.0
Trichlorofluoromethane, ug/l	<1.0	1.0	---	---	---
1,2,3-Trichloropropane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Vinyl acetate, ug/l	<2.0	2.0	---	---	---
Vinyl chloride, ug/l	<1.0	1.0	---	---	---
Xylenes, ug/l	<1.0	1.0	---	---	---
Surrogate - Dibromofluoromethane	105 %	---	104 %	108 %	---
Surrogate - Toluene-d8	93 %	---	91 %	94 %	---
Surrogate - 4-Bromofluorobenzene	103 %	---	98 %	100 %	---
Date Analyzed	08.01.95	---	08.01.95	08.01.95	---
Batch ID	0727B	---	0727B	0727B	---
Clock ID	2H0731	---	2H0731	2H0731	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Semivolatile Organics (8270)					
Acenaphthene, ug/l	<10	10	64.4	74.7	100
Acenaphthylene, ug/l	<10	10	---	---	---
Anthracene, ug/l	<10	10	---	---	---
Benzo(a)anthracene, ug/l	<10	10	---	---	---
Benzo(b)fluoranthene, ug/l	<10	10	---	---	---
Benzo(k)fluoranthene, ug/l	<10	10	---	---	---
Benzo(g,h,i)perylene, ug/l	<10	10	---	---	---
Benzo(a)pyrene, ug/l	<10	10	---	---	---
Benzyl alcohol, ug/l	<10	10	---	---	---
bis(2-Chloroethoxy)methane, ug/l	<10	10	---	---	---
bis(2-Chloroethyl)ether, ug/l	<10	10	---	---	---
bis(2-Chloroisopropyl)ether, ug/l	<10	10	---	---	---
bis(2-Ethylhexyl)phthalate, ug/l	<10	10	---	---	---
4-Bromophenyl phenyl ether, ug/l	<10	10	---	---	---
p-Chloroaniline, ug/l	<20	20	---	---	---
4-Chloro-3-methylphenol, ug/l	<10	10	134	150	200
2-Chloronaphthalene, ug/l	<10	10	---	---	---
2-Chlorophenol, ug/l	<10	10	132	145	200
4-Chlorophenylphenyl ether, ug/l	<10	10	---	---	---
Chrysene, ug/l	<10	10	---	---	---
Dibenzo(a,h)anthracene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Dibenzofuran, ug/l	<10	10	---	---	---
Di-n-butylphthalate, ug/l	<10	10	---	---	---
1,2-Dichlorobenzene, ug/l	<10	10	---	---	---
1,3-Dichlorobenzene, ug/l	<10	10	---	---	---
1,4-Dichlorobenzene, ug/l	<10	10	53.8	60.9	100
2,4-Dichlorophenol, ug/l	<10	10	---	---	---
2,6-Dichlorophenol, ug/l	<10	10	---	---	---
Diethylphthalate, ug/l	<10	10	---	---	---
3,3'-Dimethylbenzidine, ug/l	<20	20	---	---	---
2,4-Dimethylphenol, ug/l	<10	10	---	---	---
Dimethylphthalate, ug/l	<10	10	---	---	---
2,4-Dinitrophenol, ug/l	<50	50	---	---	---
2,4-Dinitrotoluene, ug/l	<10	10	66.1	80.1	100
2,6-Dinitrotoluene, ug/l	<10	10	---	---	---
Di-n-octylphthalate, ug/l	<10	10	---	---	---
Fluoranthene, ug/l	<10	10	---	---	---
Fluorene, ug/l	<10	10	---	---	---
Hexachlorobenzene, ug/l	<10	10	---	---	---
Hexachlorobutadiene, ug/l	<10	10	---	---	---
Hexachlorocyclopentadiene, ug/l	<10	10	---	---	---
Hexachloroethane, ug/l	<10	10	---	---	---
Indeno(1,2,3-cd)pyrene, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

12142-9 Method Blank Result
12142-10 Reporting Limit
12142-11 Lab Control Standard Result
12142-12 LCS Duplicate Result
12142-13 LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Isophorone, ug/l	<10	10	---	---	---
2-Methyl-4,6-dinitrophenol, ug/l	<50	50	---	---	---
2-Methylnaphthalene, ug/l	<10	10	---	---	---
2-Methylphenol (o-cresol), ug/l	<10	10	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	10	---	---	---
Naphthalene, ug/l	<10	10	---	---	---
2-Nitroaniline, ug/l	<50	50	---	---	---
3-Nitroaniline, ug/l	<50	50	---	---	---
4-Nitroaniline, ug/l	<50	50	---	---	---
Nitrobenzene, ug/l	<10	10	---	---	---
2-Nitrophenol, ug/l	<10	10	---	---	---
4-Nitrophenol, ug/l	<50	50	124	158	200
N-Nitrosodimethylamine, ug/l	<10	10	---	---	---
n-Nitrosodi-n-propylamine, ug/l	<10	10	63.5	74.4	100
Pentachlorophenol, ug/l	<50	50	118	139	200
Phenanthrene, ug/l	<10	10	---	---	---
Phenol, ug/l	<10	10	127	148	200
Pyrene, ug/l	<10	10	69.3	82.4	100
Pyridine, ug/l	<200	200	---	---	---
2,3,4,6-Tetrachlorophenol, ug/l	<50	50	---	---	---
1,2,4-Trichlorobenzene, ug/l	<10	10	54.6	61.5	100

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
2,4,5-Trichlorophenol, ug/l	<10	10	---	---	---
2,4,6-Trichlorophenol, ug/l	<10	10	---	---	---
Surrogate-2-Fluorophenol	78 %	---	62 %	72 %	---
Surrogate-Phenol-d5	78 %	---	62 %	75 %	---
Surrogate-Nitrobenzene-d5	71 %	---	65 %	78 %	---
Surrogate-2-Fluorobiphenyl	65 %	---	60 %	74 %	---
Surrogate-2,4,6-Tribromophenol	67 %	---	61 %	72 %	---
Surrogate-4-Terphenyl-d14	72 %	---	66 %	78 %	---
Date Extracted	07.24.95	---	07.24.95	07.24.95	---
Date Analyzed	07.29.95	---	07.29.95	07.29.95	---
Batch ID	0724H	---	0724C	0724C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Metals by ICP (6010)					
Antimony, mg/l	<0.050	0.050	0.989	0.960	1.00
Arsenic, mg/l	<0.010	0.010	1.01	0.997	1.00
Barium, mg/l	<0.010	0.010	0.987	0.985	1.00
Beryllium, mg/l	<0.0040	0.040	0.989	0.961	1.00
Cadmium, mg/l	<0.0050	0.0050	0.982	0.954	1.00
Chromium, mg/l	<0.010	0.010	1.01	0.980	1.00
Copper, mg/l	<0.025	0.025	1.01	0.977	1.00
Lead, mg/l	<0.0050	0.0050	1.00	0.974	1.00
Nickel, mg/l	<0.040	0.040	0.998	0.970	1.00
Selenium, mg/l	<0.010	0.010	0.960	0.934	1.00
Silver, mg/l	<0.010	0.010	0.992	0.990	1.00
Thallium, mg/l	<0.010	0.010	0.963	0.942	1.00
Zinc, mg/l	<0.020	0.020	0.993	0.961	1.00
Prep or Extraction Date	07.24.95	---	07.24.95	07.24.95	---
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Batch ID	0724J	---	0724J	0724J	---
Mercury (7470/7471)					
Mercury, mg/l	<0.00020	0.00020	0.000978	0.000997	0.00100
Prep or Extraction Date	07.24.95	---	07.24.95	07.24.95	---
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Batch ID	0724V	---	0724V	0724V	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-9	Method Blank Result
12142-10	Reporting Limit
12142-11	Lab Control Standard Result
12142-12	LCS Duplicate Result
12142-13	LCS Expected Value

PARAMETER	12142-9	12142-10	12142-11	12142-12	12142-13
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.010	0.102	0.124	0.116
Date Analyzed	07.26.95	---	07.26.95	07.26.95	---
Batch ID	0726B	---	0726B	0726B	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-14	LCS/LCSD % Recovery
12142-15	Accuracy Control Limits
12142-16	Precision (% RPD) of LCS/LCSD
12142-17	Precision Control Limit

PARAMETER	12142-14	12142-15	12142-16	12142-17
Volatile Organic Compounds (8240)				
Benzene, %	92/87 %	69-132 %	5.6 %	<35 %
Chlorobenzene, %	87/84 %	52-150 %	3.5 %	<16 %
1,1-Dichloroethene, %	112/156 %	26-155 %	4.6 %	<16 %
Toluene, %	91/87 %	62-141 %	4.5 %	<24 %
Trichloroethene, %	112/107 %	26-155 %	4.5 %	<24 %
Semivolatile Organics (8270)				
Acenaphthene, %	64/75 %	60-122 %	16 %	<25 %
4-Chloro-3-methylphenol, %	67/75 %	56-118 %	11 %	<20 %
2-Chlorophenol, %	66/72 %	54-107 %	8.7 %	<26 %
1,4-Dichlorobenzene, %	54/61 %	47-103 %	12 %	<45 %
2,4-Dinitrotoluene, %	66/80 %	42-166 %	19 %	<33 %
4-Nitrophenol, %	62/79 %	17-153 %	24 %	<33 %
n-Nitrosodi-n-propylamine, %	64/74 %	40-145 %	14 %	<39 %
Pentachlorophenol, %	59/70 %	16-138 %	17 %	<33 %
Phenol, %	64/74 %	40-113 %	14 %	<31 %
Pyrene, %	69/82 %	46-168 %	17 %	<36 %
1,2,4-Trichlorobenzene, %	55/62 %	48-111 %	12 %	<31 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-14	LCS/LCSD % Recovery
12142-15	Accuracy Control Limits
12142-16	Precision (% RPD) of LCS/LCSD
12142-17	Precision Control Limit

PARAMETER	12142-14	12142-15	12142-16	12142-17
Metals by ICP (6010)				
Antimony, %	99/96 %	75-125 %	3.1 %	<20 %
Arsenic, %	101/98 %	75-125 %	3.0 %	<20 %
Barium, %	99/98 %	75-125 %	1.0 %	<20 %
Beryllium, %	99/96 %	75-125 %	3.1 %	<20 %
Cadmium, %	98/95 %	75-125 %	3.1 %	<20 %
Chromium, %	101/98 %	75-125 %	3.0 %	<20 %
Copper, %	101/98 %	75-125 %	3.0 %	<20 %
Lead, %	100/97 %	75-125 %	3.1 %	<20 %
Nickel, %	100/97 %	75-125 %	3.1 %	<20 %
Selenium, %	96/93 %	75-125 %	3.2 %	<20 %
Silver, %	99/99 %	75-125 %	0 %	<20 %
Thallium, %	96/94 %	75-125 %	2.1 %	<20 %
Zinc, %	99/96 %	75-125 %	3.1 %	<20 %
Mercury (7470/7471)				
Mercury, %	98/100 %	75-125 %	2.0 %	<20 %
Cyanide (9012)				
Cyanide, %	88/107 %	75-125 %	19 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-18	Initial Calibration Verification Standard Result
12142-19	ICVS % Recovery
12142-20	ICVS Calibration Blank Result
12142-21	Continuing CVS Result
12142-22	CCVS % Recovery

PARAMETER	12142-18	12142-19	12142-20	12142-21	12142-22
Metals by ICP (6010)					
Antimony, mg/l	0.992	99 %	<0.050	0.999	100 %
Arsenic, mg/l	1.03	103 %	<0.010	1.00	100 %
Barium, mg/l	1.07	107 %	<0.010	1.00	100 %
Beryllium, mg/l	1.03	103 %	<0.0040	0.992	99 %
Cadmium, mg/l	1.03	103 %	<0.0050	0.998	100 %
Chromium, mg/l	1.02	102 %	<0.010	0.999	100 %
Copper, mg/l	1.02	102 %	<0.025	1.01	101 %
Lead, mg/l	1.04	104 %	<0.0050	1.00	100 %
Nickel, mg/l	1.05	105 %	<0.040	1.00	100 %
Selenium, mg/l	1.02	102 %	<0.010	1.00	100 %
Silver, mg/l	0.991	99 %	<0.010	1.00	100 %
Thallium, mg/l	1.06	106 %	<0.010	0.998	100 %
Zinc, mg/l	1.05	105 %	<0.020	1.00	100 %
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00355	98 %	<0.00020	0.00344	95 %
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Cyanide (9012)					
Cyanide, mg/l	0.112	97 %	<0.010	0.102	88 %
Date Analyzed	07.26.95	---	07.26.95	07.26.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
12142-23	CCVS Calibration Blank Result
12142-24	CVS Expected Value
12142-25	CVS Control Limits

PARAMETER	12142-23	12142-24	12142-25
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	07.25.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	07.25.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115 %
Date Analyzed	07.26.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<25	25	---	---	---
Acrolein, ug/kg dw	<100	100	---	---	---
Acrylonitrile, ug/kg dw	<100	100	---	---	---
Benzene, ug/kg dw	<5.0	5.0	47.5	54.7	50.0
Bromodichloromethane, ug/kg dw	<5.0	5.0	---	---	---
Bromoform, ug/kg dw	<5.0	5.0	---	---	---
Bromomethane, ug/kg dw	<10	10	---	---	---
2-Butanone (MEK), ug/kg dw	<25	25	---	---	---
Carbon disulfide, ug/kg dw	<5.0	5.0	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	5.0	---	---	---
Chlorobenzene, ug/kg dw	<5.0	5.0	38.0	43.8	50.0
Chloroethane, ug/kg dw	<10	10	---	---	---
2-Chloroethylvinyl ether, ug/kg dw	<50	50	---	---	---
Chloroform, ug/kg dw	<5.0	50	---	---	---
Chloromethane, ug/kg dw	<10	10	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	5.0	---	---	---
Dibromomethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,4-Dichloro-2-butene , ug/kg dw	<10	10	---	---	---
Dichlorodifluoromethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
1,1-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	5.0	46.5	56.2	50.0
1,2-Dichloropropane, ug/kg dw	<5.0	5.0	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
Ethylbenzene, ug/kg dw	<5.0	5.0	---	---	---
Ethyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---
2-Hexanone, ug/kg dw	<25	25	---	---	---
Iodomethane, ug/kg dw	<5.0	5.0	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	5.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	25	---	---	---
Styrene, ug/kg dw	<5.0	5.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	5.0	---	---	---
Toluene, ug/kg dw	<5.0	5.0	43.5	50.5	50.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
1,1,2-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
Trichloroethene, ug/kg dw	<5.0	5.0	39.5	45.8	50.0
Trichlorofluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	5.0	---	---	---
Vinyl acetate, ug/kg dw	<10	10	---	---	---
Vinyl chloride, ug/kg dw	<10	10	---	---	---
Xylenes, ug/kg dw	<5.0	5.0	---	---	---
Surrogate - Dibromofluoromethane	83 %	---	86 %	102 %	---
Surrogate - Toluene-d8	84 %	---	86 %	102 %	---
Surrogate - 4-Bromofluorobenzene	85 %	---	88 %	98 %	---
Date Analyzed	07.21.95	---	07.21.95	07.21.95	---
Batch ID	0721A	---	0721A	0721A	---
Clock ID	1J0721	---	1J0721	1J0721	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<330	330	2270	2130	3330
Acenaphthylene, ug/kg dw	<330	330	---	---	---
Anthracene, ug/kg dw	<330	330	---	---	---
Benzo(a)anthracene, ug/kg dw	<330	330	---	---	---
Benzo(b)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(k)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(g,h,i)perylene, ug/kg dw	<330	330	---	---	---
Benzo(a)pyrene, ug/kg dw	<330	330	---	---	---
Benzyl alcohol, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethoxy)methane, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethyl)ether, ug/kg dw	<330	330	---	---	---
bis(2-Chloroisopropyl)ether , ug/kg dw	<330	330	---	---	---
bis(2-Ethylhexyl)phthalate, ug/kg dw	<330	330	---	---	---
4-Bromophenyl phenyl ether, ug/kg dw	<330	330	---	---	---
p-Chloroaniline, ug/kg dw	<670	670	---	---	---
4-Chloro-3-methylphenol, ug/kg dw	<330	330	4670	4440	6670
2-Chloronaphthalene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
2-Chlorophenol, ug/kg dw	<330	330	4020	3600	6670
4-Chlorophenylphenyl ether, ug/kg dw	<330	330	---	---	---
Chrysene, ug/kg dw	<330	330	---	---	---
Dibenzo(a,h)anthracene, ug/kg dw	<330	330	---	---	---
Dibenzofuran, ug/kg dw	<330	330	---	---	---
Di-n-butylphthalate, ug/kg dw	<330	330	---	---	---
1,2-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,3-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,4-Dichlorobenzene, ug/kg dw	<330	330	2190	1970	3330
2,4-Dichlorophenol, ug/kg dw	<330	330	---	---	---
2,6-Dichlorophenol, ug/kg dw	<330	330	---	---	---
Diethylphthalate, ug/kg dw	<330	330	---	---	---
3,3'-Dimethylbenzidine, ug/kg dw	<670	330	---	---	---
2,4-Dimethylphenol, ug/kg dw	<330	330	---	---	---
Dimethylphthalate, ug/kg dw	<330	330	---	---	---
2,4-Dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2,4-Dinitrotoluene, ug/kg dw	<330	330	2480	2460	3330
2,6-Dinitrotoluene, ug/kg dw	<330	330	---	---	---
Di-n-octylphthalate, ug/kg dw	<330	330	---	---	---
Fluoranthene, ug/kg dw	<330	330	---	---	---
Fluorene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
Hexachlorobenzene, ug/kg dw	<330	330	---	---	---
Hexachlorobutadiene, ug/kg dw	<330	330	---	---	---
Hexachlorocyclopentadiene, ug/kg dw	<330	330	---	---	---
Hexachloroethane, ug/kg dw	<330	330	---	---	---
Indeno(1,2,3-cd)pyrene, ug/kg dw	<330	330	---	---	---
Isophorone, ug/kg dw	<330	330	---	---	---
2-Methyl-4,6-dinitrophenol, ug/kg dw	<330	330	---	---	---
2-Methylnaphthalene, ug/kg dw	<330	330	---	---	---
2-Methylphenol (o-cresol), ug/kg dw	<330	330	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<330	330	---	---	---
Naphthalene, ug/kg dw	<330	330	---	---	---
2-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
3-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
4-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
Nitrobenzene, ug/kg dw	<330	330	---	---	---
2-Nitrophenol, ug/kg dw	<330	330	---	---	---
4-Nitrophenol, ug/kg dw	<1700	1700	4480	4740	6670
N-Nitrosodimethylamine, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
n-Nitrosodi-n-propylamine, ug/kg dw	<330	330	2420	2180	3330
Pentachlorophenol, ug/kg dw	<1700	1700	5370	5190	6670
Phenanthrene, ug/kg dw	<330	330	---	---	---
Phenol, ug/kg dw	<330	330	4370	3920	6670
Pyrene, ug/kg dw	<330	330	2620	2330	3330
Pyridine, ug/kg dw	<330	330	---	---	---
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1700	1700	---	---	---
1,2,4-Trichlorobenzene, ug/kg dw	<330	330	2460	2270	3330
2,4,5-Trichlorophenol, ug/kg dw	<330	330	---	---	---
2,4,6-Trichlorophenol, ug/kg dw	<330	330	---	---	---
Surrogate-2-Fluorophenol	64 %	---	65 %	59 %	---
Surrogate-Phenol-d5	69 %	---	69 %	62 %	---
Surrogate-Nitrobenzene-d5	77 %	---	80 %	73 %	---
Surrogate-2-Fluorobiphenyl	74 %	---	74 %	67 %	---
Surrogate-2,4,6-Tribromophenol	93 %	---	89 %	86 %	---
Surrogate-4-Terphenyl-d14	83 %	---	82 %	74 %	---
Date Extracted	07.24.95	---	07.24.95	07.24.95	---
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Batch ID	0724H	---	0724H	0724H	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	5.0	97.6	96.3	100
Arsenic, mg/kg dw	<1.0	1.0	80.7	71.4	82.4
Barium, mg/kg dw	<1.0	1.0	216	192	238
Beryllium, mg/kg dw	<0.40	0.40	141	123	152
Cadmium, mg/kg dw	<0.50	0.50	81.8	71.4	90.0
Chromium, mg/kg dw	<1.0	1.0	151	132	167
Copper, mg/kg dw	<2.5	2.5	187	163	196
Lead, mg/kg dw	<0.50	0.50	145	125	162
Nickel, mg/kg dw	<4.0	4.0	124	105	135
Selenium, mg/kg dw	<1.0	1.0	100	87	109
Silver, mg/kg dw	<1.0	1.0	61.1	53.0	65.4
Thallium, mg/kg dw	<1.0	1.0	116	101	127
Zinc, mg/kg dw	<2.0	2.0	186	156	199
Prep or Extraction Date	07.24.95	---	07.24.95	07.24.95	---
Date Analyzed	07.24.95	---	07.24.95	07.24.95	---
Batch ID	0724C	---	0724C	0724C	---
Mercury (7470/7471)					
Mercury, mg/kg dw	<0.030	0.030	2.61	2.47	2.36
Prep or Extraction Date	07.25.95	---	07.25.95	07.25.95	---
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Batch ID	0725R	---	0725R	0725R	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-26	Method Blank Result
12142-27	Reporting Limit
12142-28	Lab Control Standard Result
12142-29	LCS Duplicate Result
12142-30	LCS Expected Value

PARAMETER	12142-26	12142-27	12142-28	12142-29	12142-30
Cyanide (9012)					
Cyanide, mg/kg dw	<1.0	1.0	3.29	3.35	4.0
Date Analyzed	07.28.95	---	07.28.95	07.28.95	---
Batch ID	0727K	---	0727K	0727K	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-31	LCS/LCSD % Recovery
12142-32	Accuracy Control Limits
12142-33	Precision (% RPD) of LCS/LCSD
12142-34	Precision Control Limits

PARAMETER	12142-31	12142-32	12142-33	12142-34
Volatile Organic Compounds (8240)				
Benzene, %	95/109 %	48-150 %	14 %	<27 %
Chlorobenzene, %	76/88 %	54-138 %	15 %	<33 %
1,1-Dichloroethene, %	93/112 %	36-161 %	19 %	<50 %
Toluene, %	87/101 %	51-141 %	15 %	<27 %
Trichloroethene, %	79/92 %	43-140 %	15 %	<27 %
Semivolatile Organics (8270)				
Acenaphthene, %	68/64 %	51-108 %	6.1 %	<26 %
4-Chloro-3-methylphenol, %	70/67 %	38-112 %	4.4 %	<23 %
2-Chlorophenol, %	60/54 %	45-105 %	11 %	<31 %
1,4-Dichlorobenzene, %	66/59 %	46-112 %	11 %	<28 %
2,4-Dinitrotoluene, %	74/74 %	35-111 %	0 %	<29 %
4-Nitrophenol, %	67/71 %	10-130 %	5.8 %	<34 %
n-Nitrosodi-n-propylamine, %	73/65 %	27-140 %	12 %	<35 %
Pentachlorophenol, %	81/78 %	10-107 %	3.8 %	<89 %
Phenol, %	66/59 %	37-112 %	11 %	<36 %
Pyrene, %	79/70 %	33-139 %	12 %	<25 %
1,2,4-Trichlorobenzene, %	74/68 %	48-107 %	8.5 %	<28 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-31	LCS/LCSD % Recovery
12142-32	Accuracy Control Limits
12142-33	Precision (% RPD) of LCS/LCSD
12142-34	Precision Control Limits

PARAMETER	12142-31	12142-32	12142-33	12142-34
Metals by ICP (6010)				
Antimony, %	98/96 %	70-130 %	2.1 %	<30 %
Arsenic, %	98/87 %	70-130 %	12 %	<30 %
Barium, %	91/81 %	70-130 %	12 %	<30 %
Beryllium, %	92/81 %	70-130 %	13 %	<30 %
Cadmium, %	91/79 %	70-130 %	14 %	<30 %
Chromium, %	90/79 %	70-130 %	13 %	<30 %
Copper, %	95/83 %	70-130 %	13 %	<30 %
Lead, %	90/77 %	70-130 %	16 %	<30 %
Nickel, %	92/78 %	70-130 %	16 %	<30 %
Selenium, %	92/80 %	70-130 %	14 %	<30 %
Silver, %	93/81 %	70-130 %	14 %	<30 %
Thallium, %	91/80 %	70-130 %	13 %	<30 %
Zinc, %	94/78 %	70-130 %	19 %	<30 %
Mercury (7470/7471)				
Mercury, %	111/105 %	70-130 %	5.6 %	<30 %
Cyanide (9012)				
Cyanide, %	82/84 %	75-125 %	2.4 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-35	Initial Calibration Verification Standard Result
12142-36	ICVS % Recovery
12142-37	ICVS Calibration Blank Result
12142-38	Continuing CVS Result
12142-39	CCVS % Recovery

PARAMETER	12142-35	12142-36	12142-37	12142-38	12142-39
Metals by ICP (6010)					
Antimony, mg/l	0.985	98 %	<0.050	0.990	99 %
Arsenic, mg/l	0.997	100 %	<0.010	0.994	99 %
Barium, mg/l	1.03	103 %	<0.010	0.999	100 %
Beryllium, mg/l	1.01	101 %	<0.0040	0.989	99 %
Cadmium, mg/l	1.02	102 %	<0.0050	0.988	99 %
Chromium, mg/l	1.02	102 %	<0.010	0.990	99 %
Copper, mg/l	1.03	103 %	<0.025	1.00	100 %
Lead, mg/l	0.995	100 %	<0.0050	0.998	99 %
Nickel, mg/l	1.03	103 %	<0.040	0.996	100 %
Selenium, mg/l	1.01	101 %	<0.010	0.994	99 %
Silver, mg/l	0.975	98 %	<0.010	0.994	99 %
Thallium, mg/l	1.03	103 %	<0.010	0.991	99 %
Zinc, mg/l	1.03	103 %	<0.020	1.00	100 %
Date Analyzed	07.24.95	---	07.24.95	07.24.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00355	98 %	<0.00020	0.00352	97 %
Date Analyzed	07.25.95	---	07.25.95	07.25.95	---
Cyanide (9012)					
Cyanide, mg/l	0.110	95 %	<0.010	0.109	94 %
Date Analyzed	07.28.95	---	07.28.95	07.28.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-40	CCVS Calibration Blank Result
12142-41	CVS Expected Value
12142-42	CVS Control limits

PARAMETER	12142-40	12142-41	12142-42
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	07.24.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	07.25.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115 %
Date Analyzed	07.28.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-43	Matrix Spike Result
12142-44	MSD Result
12142-45	Matrix Spike Expected Value
12142-46	MS/MSD % Recovery
12142-47	Accuracy Control Limits

PARAMETER	12142-43	12142-44	12142-45	12142-46	12142-47
Volatile Organic Compounds (8240)					
Benzene, ug/kg dw	60.9	65.4	50.0	122/131 %	48-150 %
Chlorobenzene, ug/kg dw	44.0	48.9	50.0	88/98 %	54-138 %
1,1-Dichloroethene, ug/kg dw	69.4	61.4	50.0	129/123 %	36-161 %
Toluene, ug/kg dw	49.6	54.4	50.0	99/109 %	51-141 %
Trichloroethene, ug/kg dw	45.4	49.2	50.0	91/98 %	43-140 %
Surrogate - Dibromofluoromethane	100 %	128 %	---	---	---
Surrogate - Toluene-d8	98 %	113 %	---	---	---
Surrogate - 4-Bromofluorobenzene	91 %	122 %	---	---	---
Date Analyzed	07.26.95	07.26.95	---	---	---
Batch ID	0721A	0721A	---	---	---
Clock ID	2J0726	2J0726	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-43	Matrix Spike Result
12142-44	MSD Result
12142-45	Matrix Spike Expected Value
12142-46	MS/MSD % Recovery
12142-47	Accuracy Control Limits

PARAMETER	12142-43	12142-44	12142-45	12142-46	12142-47
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	2660	2820	3620	73/78 %	51-108 %
4-Chloro-3-methylphenol, ug/kg dw	5010	5350	7250	69/74 %	38-112 %
2-Chlorophenol, ug/kg dw	4840	5140	7250	67/71 %	45-105 %
1,4-Dichlorobenzene, ug/kg dw	2380	2620	3620	66/72 %	46-112 %
2,4-Dinitrotoluene, ug/kg dw	2700	2710	3620	75/75 %	35-111 %
4-Nitrophenol, ug/kg dw	4010	4410	7250	55/61 %	10-130 %
n-Nitrosodi-n-propylamine, ug/kg dw	2530	2650	3620	70/73 %	27-140 %
Pentachlorophenol, ug/kg dw	2290	3070	7250	32/42 %	10-107 %
Phenol, ug/kg dw	4910	4990	7250	68/69 %	37-112 %
Pyrene, ug/kg dw	2990	3230	3620	83/89 %	33-139 %
1,2,4-Trichlorobenzene, ug/kg dw	2580	2740	3620	71/76 %	48-107 %
Surrogate-2-Fluorophenol	65 %	66 %	---	---	---
Surrogate-Phenol-d5	68 %	67 %	---	---	---
Surrogate-Nitrobenzene-d5	69 %	72 %	---	---	---
Surrogate-2-Fluorobiphenyl	69 %	71 %	---	---	---
Surrogate-2,4,6-Tribromophenol	53 %	59 %	---	---	---
Surrogate-4-Terphenyl-d14	76 %	82 %	---	---	---
Date Extracted	07.24.95	07.24.95	---	---	---
Date Analyzed	07.29.95	07.29.95	---	---	---
Batch ID	0724H	0724H	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-43	Matrix Spike Result
12142-44	MSD Result
12142-45	Matrix Spike Expected Value
12142-46	MS/MSD % Recovery
12142-47	Accuracy Control Limits

PARAMETER	12142-43	12142-44	12142-45	12142-46	12142-47
Metals by ICP (6010)					
Antimony, mg/kg dw	42.5	31.3	100	42/31 %	80-120 %
Arsenic, mg/kg dw	104	102	100	104/102 %	80-120 %
Barium, mg/kg dw	109	114	100	109/114 %	80-120 %
Beryllium, mg/kg dw	103	102	100	103/102 %	80-120 %
Cadmium, mg/kg dw	98	98	100	98/98 %	80-120 %
Chromium, mg/kg dw	106	113	100	106/113 %	80-120 %
Copper, mg/kg dw	105	104	100	105/104 %	80-120 %
Lead, mg/kg dw	102	101	100	102/101 %	80-120 %
Nickel, mg/kg dw	103	104	100	103/104 %	80-120 %
Selenium, mg/kg dw	93	94	100	93/94 %	80-120 %
Silver, mg/kg dw	101	70	100	101/70 %	80-120 %
Thallium, mg/kg dw	95	96	100	95/96 %	80-120 %
Zinc, mg/kg dw	105	106	100	105/106 %	80-120 %
Prep or Extraction Date	07.24.95	07.24.95	---	---	---
Date Analyzed	07.24.95	07.24.95	---	---	---
Batch ID	0724C	0724C	---	---	---
Mercury (7470/7471)					
Mercury, mg/kg dw	0.090	0.102	0.103	87/99 %	70-130 %
Prep or Extraction Date	07.25.95	07.25.95	---	---	---
Date Analyzed	07.25.95	07.25.95	---	---	---
Batch ID	0725R	0725R	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-43	Matrix Spike Result
12142-44	MSD Result
12142-45	Matrix Spike Expected Value
12142-46	MS/MSD % Recovery
12142-47	Accuracy Control Limits

PARAMETER	12142-43	12142-44	12142-45	12142-46	12142-47
Cyanide (9012)					
Cyanide, mg/kg dw	3.30	3.55	5.00	66/71 %	75-125 %
Date Analyzed	07.28.95	07.28.95	---	---	---
Batch ID	0727K	0727K	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-48	Precision (% RPD) of MS/MSD
12142-49	Precision Control Limit

PARAMETER	12142-48	12142-49
Volatile Organic Compounds (8240)		
Benzene, %	7.1 %	<27 %
Chlorobenzene, %	11 %	<33 %
1,1-Dichloroethene, %	4.8 %	<50 %
Toluene, %	9.6 %	<27 %
Trichloroethene, %	7.4	<27 %
Semivolatile Organics (8270)		
Acenaphthene, %	6.6 %	<26 %
4-Chloro-3-methylphenol, %	7.0 %	<23 %
2-Chlorophenol, %	5.8 %	<31 %
1,4-Dichlorobenzene, %	8.7 %	<28 %
2,4-Dinitrotoluene, %	0 %	<29 %
4-Nitrophenol, %	10 %	<34 %
n-Nitrosodi-n-propylamine, %	4.2 %	<35 %
Pentachlorophenol, %	27 %	<89 %
Phenol, %	1.5 %	<36 %
Pyrene, %	7.0 %	<25 %
1,2,4-Trichlorobenzene, %	6.8 %	<28 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

12142-48 Precision (% RPD) of MS/MSD
12142-49 Precision Control Limit

PARAMETER	12142-48	12142-49
Metals by ICP (6010)		
Antimony, %	30 %	<20 %
Arsenic, %	1.9 %	<20 %
Barium, %	4.5 %	<20 %
Beryllium, %	0.98 %	<20 %
Cadmium, %	0 %	<20 %
Chromium, %	6.4 %	<20 %
Copper, %	0.96 %	<20 %
Lead, %	0.98 %	<20 %
Nickel, %	0.96 %	<20 %
Selenium, %	1.1 %	<20 %
Silver, %	36 %	<20 %
Thallium, %	1.0 %	<20 %
Zinc, %	0.94 %	<20 %
Mercury (7470/7471)		
Mercury, %	13 %	<30 %
Cyanide (9012)		
Cyanide, %	7.4 %	<30 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

12142-50 Method Blank #2 Result

PARAMETER	12142-50
Volatile Organic Compounds (8240)	
Acetone, ug/l	<10
Acrolein, ug/l	<20
Acrylonitrile, ug/l	<20
Benzene, ug/l	<1.0
Bromodichloromethane, ug/l	<1.0
Bromoform, ug/l	<1.0
Bromomethane, ug/l	<2.0
2-Butanone (MEK), ug/l	<10
Carbon disulfide, ug/l	<1.0
Carbon tetrachloride, ug/l	<1.0
Chlorobenzene, ug/l	<1.0
Chloroethane, ug/l	<1.0
2-Chloroethylvinyl ether, ug/l	<10
Chloroform, ug/l	<1.0
Chloromethane, ug/l	<1.0
Dibromochloromethane, ug/l	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0
Dibromomethane, ug/l	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0
Dichlorodifluoromethane, ug/l	<1.0
1,1-Dichloroethane, ug/l	<1.0
1,2-Dichloroethane, ug/l	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0
1,1-Dichloroethene, ug/l	<1.0
1,2-Dichloropropane, ug/l	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

12142-50 Method Blank #2 Result

PARAMETER	12142-50
cis-1,3-Dichloropropene, ug/l	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0
Ethylbenzene, ug/l	<1.0
Ethyl methacrylate, ug/l	<1.0
2-Hexanone, ug/l	<10
Iodomethane, ug/l	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10
Styrene, ug/l	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0
Tetrachloroethene, ug/l	<1.0
Toluene, ug/l	<1.0
1,1,1-Trichloroethane, ug/l	<1.0
1,1,2-Trichloroethane, ug/l	<1.0
Trichloroethene, ug/l	<1.0
Trichlorofluoromethane, ug/l	<1.0
1,2,3-Trichloropropane, ug/l	<1.0
Vinyl acetate, ug/l	<2.0
Vinyl chloride, ug/l	<1.0
Xylenes, ug/l	<1.0
Surrogate - Dibromofluoromethane	101 %
Surrogate - Toluene-d8	103 %
Surrogate - 4-Bromofluorobenzene	99 %
Date Analyzed	08.02.95
Batch ID	0727B
Clock ID	1I0802

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-51	Method Blank #2 Result
12142-52	Method Blank #3 Result
12142-53	Method Blank #4 Result

PARAMETER	12142-51	12142-52	12142-53
Volatile Organic Compounds (8240)			
Acetone, ug/kg dw	<25	<25	<25
Acrolein, ug/kg dw	<100	<100	<100
Acrylonitrile, ug/kg dw	<100	<100	<100
Benzene, ug/kg dw	<5.0	<5.0	<5.0
Bromodichloromethane, ug/kg dw	<5.0	<5.0	<5.0
Bromoform, ug/kg dw	<5.0	<5.0	<5.0
Bromomethane, ug/kg dw	<10	<10	<10
2-Butanone (MEK), ug/kg dw	<25	<25	<25
Carbon disulfide, ug/kg dw	<5.0	<5.0	<5.0
Carbon tetrachloride, ug/kg dw	<5.0	<5.0	<5.0
Chlorobenzene, ug/kg dw	<5.0	<5.0	<5.0
Chloroethane, ug/kg dw	<10	<10	<10
2-Chloroethylvinyl ether, ug/kg dw	<50	<50	<50
Chloroform, ug/kg dw	<5.0	<5.0	<5.0
Chloromethane, ug/kg dw	<10	<10	<10
Dibromochloromethane, ug/kg dw	<5.0	<5.0	<5.0
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	<5.0	<5.0
Dibromomethane, ug/kg dw	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene, ug/kg dw	<10	<10	<10
Dichlorodifluoromethane, ug/kg dw	<5.0	<5.0	<5.0
1,1-Dichloroethane, ug/kg dw	<5.0	<5.0	<5.0
1,2-Dichloroethane, ug/kg dw	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene, ug/kg dw	<5.0	<5.0	<5.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-51	Method Blank #2 Result
12142-52	Method Blank #3 Result
12142-53	Method Blank #4 Result

PARAMETER	12142-51	12142-52	12142-53
1,1-Dichloroethene, ug/kg dw	<5.0	<5.0	<5.0
1,2-Dichloropropane, ug/kg dw	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0	<5.0
Ethylbenzene, ug/kg dw	<5.0	<5.0	<5.0
Ethyl methacrylate, ug/kg dw	<5.0	<5.0	<5.0
2-Hexanone, ug/kg dw	<25	<25	<25
Iodomethane, ug/kg dw	<5.0	<5.0	<5.0
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	<5.0	<5.0
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	<25	<25
Styrene, ug/kg dw	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	<5.0	<5.0
Tetrachloroethene, ug/kg dw	<5.0	<5.0	<5.0
Toluene, ug/kg dw	<5.0	<5.0	<5.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	<5.0	<5.0
1,1,2-Trichloroethane, ug/kg dw	<5.0	<5.0	<5.0
Trichloroethene, ug/kg dw	<5.0	<5.0	<5.0
Trichlorofluoromethane, ug/kg dw	<5.0	<5.0	<5.0
1,2,3-Trichloropropane, ug/kg dw	<5.0	<5.0	<5.0
Vinyl acetate, ug/kg dw	<10	<10	<10
Vinyl chloride, ug/kg dw	<10	<10	<10
Xylenes, ug/kg dw	<5.0	<5.0	<5.0
Surrogate - Dibromofluoromethane	103 %	100 %	111 %
Surrogate - Toluene-d8	99 %	88 %	101 %
Surrogate - 4-Bromofluorobenzene	96 %	79 %	112 %
Date Analyzed	07.24.95	07.25.95	07.26.95
Batch ID	0721A	0721A	0721A
Clock ID	1J0724	1J0725	2J0726

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-12142

Received: 20 JUL 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/Sloss/LTO#09743+09745/SOIL
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
12142-51	Method Blank #2 Result
12142-52	Method Blank #3 Result
12142-53	Method Blank #4 Result

PARAMETER	12142-51	12142-52	12142-53

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

Elizabeth L. Schneider
Elizabeth L. Schneider

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: EPA 8240 (VOC's) 40 mL VOA vial +1 HCL on ice	EPA 8290 (Semi-volatiles) 1 liter amber liter no pres. - on ice	EPA 6010 PRIORITY POLLUTANT METALS 250 mL plastic HNO3 + ice	EPA 9012 CYANIDE 1 liter plastic NaOH on ice	Mercury 250 mL glass HNO3 + ice	EPA 8240 (VOCS) 100 mL glass no pres.	EPA 8270 (semi-volatiles) 100mL GLASS No Pres.	EPA 6010 Priority Pollutant Metals 250 mL plastic	EPA 9012 Cyanide 100 mL plastic	TOTAL
719-FW-IW-GW0005	(MW)	7-19-95 1130	L	3	2	1	1	1					8
719-FW-00-TB0003		6-8-95 1600	L	3									3
719-FW-00-SL0005	(0-2)	7-19-95 1310	S						1	1	1	1	4
719-FW-00-SL0005	(2-4)	7-19-95 1345	S						1	1	1	1	4
719-FW-00-SL0005	(4-6)	7-19-95 1400	S						1	1	1	1	4
719-FW-00-SL0006	(0-2)	1535	S						1	1	1	1	4
719-FW-00-SL0006	(10-12)	1630	S						1	1	1	1	4
719-FW-00-SL0006	(20-22)	7-19-95 1710	S						1	1	1	1	4
TEMP BLANK			L										1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 36

			Seal Intact?
Relinquished by: [signature]	Organization: G&M (TAMPA)	Date 7/19/95 Time 1720	
Received by: [signature]	Organization: SLES/TL TF-12142	Date 7/20/95 Time 0930	(Yes) No N/A
Relinquished by: _____	Organization: _____	Date __/__/__ Time _____	Seal Intact?
Received by: _____	Organization: _____	Date __/__/__ Time _____	Yes No N/A

Special Instructions/Remarks:

DIRECT ANY & ALL QUESTIONS TO CYNTIA LEE (813-961-1921) OR KATHY THARMAN (205-410-5540).

Delivery Method: ☐ In Person ☒ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

VOLUME III

APPENDIX B

Surface Water and Sediment Sampling Analytical Data

MEMORANDUM

TO: Pedro Fierro

FROM: Michael C. Price

DATE: October 25, 1995

SUBJECT: Sloss Facility Wide Investigation Level II Data Validation
Savannah Laboratories Data
Geraghty & Miller Project No. TF0320.013

The organic and inorganic analytical results of the soil, sediment, groundwater and surface water samples included in Savannah Laboratories data packages T5-11690, T5-11787, T5-11949, T5-11949A, T5-12142, T5-12255, T5-12259, T5-12289, T5-12320, T5-12337, T5-12404 and T5-12426 were validated according to the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1993) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994), respectively.

Forty two groundwater samples; five surface waters, eighteen soil samples, five sediment samples, five field duplicates, seven equipment blanks, five field blanks, eighteen trip blanks, one acid blank and one potable water sample were included in the above laboratory packages. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8240, semivolatile organic compounds (SVOCs) by EPA Method 8270, organochlorine pesticides by EPA Method 8080, organophosphorus pesticides by EPA method 8141, herbicides by EPA Method 8150, dioxins and furans by EPA Method 8280, metals by EPA Methods 6010 and 7470/7471, cyanide by EPA Method 9012, alkalinity by Standard Method 403, chloride by EPA Method 325.2, sulfate by EPA Method 375.4 and sulfide by EPA Method 9030. The methods used to perform the above referenced analyses are in compliance with those specified in the Quality Assurance Plan (QAP).

Holding Times

All samples were analyzed within the required holding times with a few exceptions. Due to a lab mistake, sample 950608-FW-OO-SD0001 was extracted for SVOCs and organochlorine pesticides 32 and 33 days after collection, respectively. While the seven day holding time for extraction is advisory for soils, the gross exceedence was considered significant enough to qualify this data as estimated. The VOC analysis for samples 950731-FW-IW-GW0019S and 950731-FW-IW-GW0019D were performed one day past the 14 day holding time, and as a result the data were qualified as estimated.

Detection Limits

In most cases, the laboratory was able to achieve the detection limits for analytes outlined in the QAP. The laboratory was unable to achieve the required detection limits for soil analyses for 2-chloroethylvinyl ether, acetonitrile, hexachlorophene and heptachlor epoxide, as they were below the laboratory's established practical quantitation limits (PQLs). Similarly, the laboratory was unable to achieve the detection limit for water analyses for hexachlorophene. No action was taken with the laboratory as a result of these elevated detection limits, as these compounds typically have poor responses.

The laboratory also had to dilute some soil samples for metals and organic analyses due to matrix interferences, thus not achieving the required detection limits. Similarly, some water analyses for organics were diluted due to matrix interferences. In all cases, no data were qualified as a result of the dilution as it was deemed appropriate to compensate for the matrix interferences.

Blanks

Numerous target analytes were detected in the many of the method blanks, most trip blanks, and most of the field and equipment blanks analyzed with these samples for VOCs. In most instances, the sample data for these constituents detected in the associated blanks were qualified as non-detects.

In a few cases, bis (2-ethylhexyl) phthalate was detected in the method blanks and some of the associated sample data was qualified as a result. Also, in one instance, zinc was detected in a field blank and the associated water samples were qualified as non-detects for zinc.

All method blanks and field and equipment blanks for all other analyses were acceptable, as no compounds were detected in their analyses. All calibration blanks for inorganics analyses were likewise acceptable.

Surrogates

In most cases, the recoveries of the surrogates in all the samples analyzed for VOCs, SVOCs, pesticides, herbicides, and dioxins and furans were within the acceptable ranges specified. In a few instances, surrogate recoveries were outside the acceptable range due to a matrix interference. In most of these instances, the matrix interference was confirmed by re-analyses and the data was qualified as estimated. In one instance, the recovery of an acid extractable surrogate (phenol-d5) for sample 950615-FW-OO-PW0001 was so poor (0%), the acid extractable data were qualified as unusable.

Laboratory Control Sample/Laboratory Control Sample Duplicates

Laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) analyses were performed by the laboratory for all analytes with every batch of analyses. The results of the LCS/LCSD were acceptable for both precision and accuracy, in every instance.

Matrix Spike/Matrix Spike Duplicates

In most cases, a sample specific matrix spike/ matrix spike duplicate (MS/MSD) sample analysis was performed in association with the sample results included in each data package. In a few instances a batch specific MS/MSD analysis was performed due to insufficient sample volume. In a majority of the cases, MS/MSD results were acceptable for both accuracy and precision and no data was affected.

In a few instances, the recoveries of some soil MS/MSD analyses for metals and cyanide were outside acceptable limits, and the associated sample data were qualified as estimated as a result. In one case, the recovery of a water MS for silver was below the acceptable limit and the associated water samples were qualified as estimated.

In a few cases, the recoveries of some water MS/MSD analyses for metals were outside acceptable limits due to the abundance of the target analyte in the spiked sample. In these cases, no data were affected.

Calibration Verification

A review of the calibration data provided in the data packages for the ICP metals, mercury, cyanide, sulfide, chloride, and sulfate showed the initial calibration verifications (ICVS) and continuing calibration verifications (CCVS) were all within acceptable ranges.

Field Duplicates

A comparison of the field duplicates collected during the investigation generally showed acceptable precision. In some cases, the precision was elevated, as measured by relative percent difference (RPD), however, this was mostly in soil samples and can be attributed to sample non-homogeneity. No sample data were qualified as a result of elevated RPDs in the field duplicates.

DATA REVIEW CONCLUSIONS

In general, the laboratory quality control data were acceptable and limited sample data were qualified as a result. Data qualification was not necessary for the majority of the SVOC, pesticide, herbicide, metals and inorganic constituents included in these data packages. The majority of affected data were qualified as a result of VOC target analyte detection in method blanks, trip blanks. equipment blanks and field blanks.

MEMORANDUM

TO: Pedro Fierro

FROM: Michael C. Price

DATE: December 15, 1995

SUBJECT: Sloss Facility Wide Investigation Level II Data Validation
Field Data
Geraghty & Miller Project No. TF0320.013

The field data for the soil, sediment, groundwater and surface water samples collected between June 8, 1995 and August 17, 1995 and included in Savannah Laboratories data packages T5-11690, T5-11787, T5-11949, T5-11949A, T5-12142, T5-12255, T5-12259, T5-12289, T5-12320, T5-12337, T5-12404 and T5-12426 were reviewed for completeness.

A record of collection, in the form of either sampling notes or a sampling log, was completed for all but a few samples. Generally, the field records were sufficiently complete to adequately document the sampling event.

No field record was presented for the following samples: 950814-FW-IW-GW0006S, 950814-FW-IW-GW0005, and 950815-FW-IW-GW0013S for the major cation/anion analyses. If these records exist, they should be reviewed for completeness.

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss FW Investigation
PROJECT NUMBER: TF0320.013
SAMPLING DATE: 6-8-95 thru 8-12-95 VALIDATION DATE:
SAMPLE IDENTIFICATION:

SAMPLING TEAM: J. Kirkpatrick, J Hughes
ANALYZING LABORATORY:
ANALYSES PERFORMED:

SAMPLE MATRIX: Soil, sediment, groundwater and surface water
QA REPORTING LEVEL: II

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS: 1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED		✓		✓	
2. SAMPLING TEAM INDICATED		✓		✓	
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED		✓		✓	
4. SAMPLE LOCATION		✓		✓	
5. SAMPLE DEPTH FOR SOILS		✓		✓	
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC		✓		✓	
7. FIELD SAMPLE PREPARATION TECHNIQUES		✓		✓	
8. SAMPLE TYPE (GRAB, COMPOSITE)		✓		✓	
9. SAMPLE CONTAINER TYPE		✓		✓	
10. PRESERVATION METHODS		✓		✓	
11. CHAIN OF CUSTODY FORM COMPLETED		✓		✓	
12. REQUIRED ANALYTICAL METHODS REQUESTED		✓		✓	
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED		✓		✓	
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	✓		① ✓		
15. FIELD EQUIPMENT CALIBRATION		✓		✓	
16. FIELD EQUIPMENT DECONTAMINATION		✓		✓	
17. SAMPLE SHIPPING		✓		✓	
18. LABORATORY TASK ORDER					✓

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS: ① Not all samples had applicable field and equipment blanks, or they were not analyzed for the same parameters as the samples.

950608-FW-00-SW0002, 950608-FW-00-SW0004,
950608-FW-00-SW0003, 950608-FW-00-SW0001,
950608-FW-00-SW9001, 950609-FW-00-SW0005,
950608-FW-00-SD0002, 950608-FW-00-SD0004,
950608-FW-00-SD0003, 950608-FW-00-SD0001,
950609-FW-00-SD0005
950608-FW-00-SD9001,

DATA VALIDATION CHECKLIST
SECTION ONE

TS-11690

PROJECT NAME: TF0320.013
PROJECT NUMBER: Sloss
SAMPLING DATE: 6/8 - 6/9/95 VALIDATION DATE: 7/27/95
SAMPLE IDENTIFICATION: (TS-11690)

SAMPLING TEAM: J. Kirkpatrick
ANALYZING LABORATORY: Savannah-Tallahassee
ANALYSES PERFORMED: Sloss standard list; App IX analytes

SAMPLE MATRIX: Sed, SW
QA REPORTING LEVEL: II

FIELD DATA PACKAGE DOCUMENTATION

950608-FW-00-FB0001, 950608-FW-00-SDEB01,
950608-FW-00-SWEB01, 950608-FW-00-TB0001, 950608-FW-00-TB0002
950609-FW-00-TB0003,

FIELD SAMPLING LOGS:1/	PERFORMANCE REPORTED NO	PERFORMANCE REPORTED YES	ACCEPTABLE NO	ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED					
2. SAMPLING TEAM INDICATED					
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED					
4. SAMPLE LOCATION					
5. SAMPLE DEPTH FOR SOILS					
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC					
7. FIELD SAMPLE PREPARATION TECHNIQUES					
8. SAMPLE TYPE (GRAB, COMPOSITE)					
9. SAMPLE CONTAINER TYPE					
10. PRESERVATION METHODS					
11. CHAIN OF CUSTODY FORM COMPLETED					
12. REQUIRED ANALYTICAL METHODS REQUESTED					
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED					
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)					
15. FIELD EQUIPMENT CALIBRATION					
16. FIELD EQUIPMENT DECONTAMINATION					
17. SAMPLE SHIPPING					
18. LABORATORY TASK ORDER					

See Field & Validation

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS:

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		✓		✓	
2. PARAMETERS ANALYZED		✓		✓	
3. METHOD OF ANALYSIS		✓		✓	
4. DETECTION LIMITS OF ANALYSIS		✓		✓	
5. MASTER TRACKING LIST	✓				✓
6. SAMPLE COLLECTION DATE		✓		✓	
7. LAB SAMPLE RECEIVED DATE		✓		✓	
8. SAMPLE PREPARATION/EXTRACTION DATE		✓		✓	
9. SAMPLE ANALYSIS DATE		✓		✓	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		✓		✓	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		✓		✓	

COMMENTS: (4) Exceptions as noted on attached sheet.

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES
METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)1/	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS2/ OR RWS3/ % RECOVERY (%R)					
3. MSD4/ OR RWSD5/ OR LD6/ %R					
4. RPD7/					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE;
3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.;
5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE;
7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I_
REQUIREMENTS_____

	Reported No	Reported Yes	In Limits No	In Limits Yes	Not Required
1. Water blanks					
2. Extraction blanks					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

Comments:

QA REPORTING LEVEL: II (CN)
REQUIREMENTS

A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. Water blanks		✓		✓	
2. Extraction blanks		✓		✓	
3. MS[4/] (batch specific)		✓		✓	
4. MSD[5/] (batch specific)		✓		✓	
5. LD[6/] (optional)	✓				
6. MS/MSD RPD or sample/LD RPD		✓		✓	
7. RWS } LCS		✓		✓	
8. RWSD } LCS		✓		✓	
9. RWS RPD } LCS		✓		✓	
10. Surrogate spikes	✓				

B. GAS CHROMATOGRAPH/MASS SPECTROMETER 8240, 8270

1. Water blanks		✓	✓		
2. Extraction blanks		✓		✓	
3. MS (Batch specific)		✓	✓	✓	
4. MSD (Batch specific)		✓	✓		
5. LD (Optional)	✓				✓
6. MS/MSD RPD or sample/LD RPD		✓	✓		
7. RWS		✓		✓	
8. RWSD		✓		✓	
9. RWS RPD		✓		✓	
10. Surrogate spikes		✓		✓	

COMMENTS:

1/ RWS = REAGENT WATER SPIKE; 2/ RWSD = REAGENT WATER SPIKE DUPLICATE;
3/ RPD = RELATIVE PERCENT DIFFERENCE; 4/ MS = MATRIX SPIKE;
5/ MSD = MATRIX SPIKE DUPLICATE; 6/ LD = LAB DUP

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS 6010/7000A

QA REPORTING LEVEL: II

REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS		✓		✓	
(2.) MS % RECOVERY (%R)		✓	✓	✓	
(3.) MSD OR LAB DUPLICATE % R		✓	✓		
4. RWS % R		✓		✓	
5. RWSD % R		✓		✓	
(6.) RPDS FOR MS/MSD, SAMPLE/LD, RWS/RWSD		✓	✓		
7. LCS[8] %R		✓		✓	
8. ICVS [9] %R		✓		✓	

COMMENTS: (2)(3)(6) As per attached.

QA REPORTING LEVEL: III

REQUIREMENTS (SAMPLE SPECIFIC QA)[10]					
1. CALIBRATION CURVE STANDARDS					
2. ICVS %R					
3. CCVS[11] %R					
4. LCS %R					
5. METHOD BLANKS					
6. ICS[12] %R (ICP ONLY)					
7. DCS[13] %R (ICP ONLY)					
8. MS %R					
9. LD OR MSD %R AND RPD					
10. POST DIGESTION ANALYTICAL SPIKE[14]					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY

PROJECT NAME:_____ PROJECT NUMBER:_____
QA REPORTING LEVEL:_____ VALIDATION DATE:_____

ALL QA REPORTING LEVELS (I,II,III)

SUMMARY OF CHECKLIST FINDINGS

	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. FIELD MEASUREMENTS OF pH AND SPECIFIC CONDUCTANCE ARE CONSISTENT WITH HISTORICAL DATA					
2. FIELD RECORDS					
3. METHODS (GEN.INFO. SECTION ONE)		✓		✓	
4. HOLDING TIMES (MASTER SAMPLE LIST)					
A. EXTRACTION HOLDING TIMES		✓	✓		
B. ANALYSIS HOLDING TIMES		✓	✓		
5. DETECTION LIMITS (SECTION ONE)		✓	✓		
6. BLANKS (SECTIONS TWO OR THREE)					
A. EQUIPMENT RINSATE BLANKS		✓	✓		
B. FIELD BLANKS		✓	✓		
C. TRIP BLANKS		✓	✓		
D. LABORATORY BLANKS		✓		✓	
7. FIELD REPLICATES		✓		✓	
8. FIELD SPLITS					✓
9. GEOPHYSICAL COMPARISONS					
A. CATION VS ANION					✓
B. TDS VS SPEC. CONDUCTANCE					✓
C. pH VS ALK/ACIDITY					✓
D. OTHER					✓
10. METALS QA DATA (SECTION TWO)		✓	✓		
11. INORGANIC WET CHEMISTRY (SEC. TWO)		✓		✓	
12. ORGANIC QA DATA-GC (SECTION THREE-A)					✓
13. ORGANIC WET CHEMISTRY (SEC. THREE-A)		✓			✓
14. ORGANIC QA DATA-GC/MS (SEC. THREE-B)		✓		✓	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.
COMMENTS:_____

T5-11690

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING

PROJECT NAME: Sloss FW Investigation PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: II VALIDATION DATE: 7/27/95

1. QUALIFIER CODES ASSIGNED TO DATA: R, (U), (J), (U/J), B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE		See Attached Tab 6
J CODE		See Attached Tab 6
U/J CODE		See Attached Tab 6

EXPLANATION:

VALIDATION PERFORMED BY: Michael C. Price

SIGNED:

DATE: 10-25-95

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE: ATTACHMENT FOR SAVANNAH DATA PACKAGE T5-11690

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE	SW0002, SW0004, SW0003, SW0001, SW0005 SW0002,SW0005, SD0002, SD0004, SW9001, SW0005, SD0004 SD0004, SD0003	Acetone Acetone Toluene Trichloroethene Xylenes Methylene Chloride
J CODE	SD0002, SD0001, SD9001, SD0002 SD0002, SD0003, SD0004, SD0001, SD0005 SD9001 SD0002, SD0003, SD0004, SD0001, SD0005	Acetone 2-Butanone, Carbon Disulfide, Chlorobenzene, Xylenes Barium, Chromium, Copper, Lead, Zinc Barium, Chromium, Copper, Lead, Zinc Cyanide
U/J CODE	SD0001, SD9001 SD0001 SD0001 SD9001	All VOCs except Propionitrile in SD0001 & Acetone in SD0001 and SD9001 All Semivolatile Organics All Organochlorine Pesticides/PCBs Cyanide

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

Project Narrative: T511690

Client:	Sloss Industries/Geraghty & Miller, Inc.
Project:	TF00320.013/Sloss Industries
Client Project Manager:	Charles Jones - Sloss Pedro Fierro - Geraghty & Miller
Laboratory:	Savannah Laboratories & Environmental Services, Inc. Tallahassee Division
Laboratory Project Manager:	Elizabeth L. Schneider
Date:	July 18, 1995 Revised August 8, 1995

Eight water samples and six sediment samples were received intact on June 8 and 9, 1995. Three waters and three sediments were analyzed for the QAPP-specified target compound list by Methods 8240, 8270, 6010, 7470/7471, and 9012. Five waters and three sediments were analyzed for the full Appendix IX target compound list by Methods 8240, 8270, 8080, 8141, 8150, 8280, 6010, 7470/7471, 9012, and 9030. Four additional water Field QC samples (1 EB and 3 TBs) were received and analyzed for Appendix IX volatiles only by Method 8240. Results were reported according to Geraghty & Miller Level 2 requirements.

The following analytical problems or events occurred.

Method 8240

1. Estimated values below the PQL but above the MDL were reported and flagged "J".
2. Method blanks were reported for each clock (tune period) within a batch of 20 samples.
3. Sediment sample -13 (950608-FW-00-SD0002) exhibited matrix interference for one surrogate, 4-BFB, which was confirmed by reanalysis. The recovery is flagged *F53 in the report.
4. Sediment samples -16 (950608-FW-00-SD0001) and -17 (950608-FW-00-SD9001) exhibited low recoveries for one surrogate, toluene-d8, which were confirmed by reanalysis. The recoveries are flagged *F53 in the report.

Method 8270

1. Estimated values below the PQL but above the MDL were reported and flagged "J".
2. Sediment sample -13 (950608-FW-00-SD0002) was analyzed at a 30x dilution due to the abundance of target analytes. All six surrogates were diluted out and are flagged *F33 in the report.
3. Sediment sample -14 (950608-FW-00-SD0004) was analyzed at a 5x dilution due to the abundance of target analytes. Three of the six surrogate recoveries were outside control limits due to the dilution and/or matrix interference and are flagged *F36 in the report.
4. Samples -17 (950608-FW-00-SD9001) and -18 (950609-FW-00-SD0005) exhibited one surrogate recovery, terphenyl-d14, outside control limits due to matrix interference. The recoveries are flagged *F36 in the report.
5. Upon review, it was noted that samples -16 (950608-FW-00-SD0001) and -17 (950608-FW-00-SD9001), which were thought to be field duplicates, did not match. Sample -16 appeared to match sample -18. After

reanalyzing the extracts to rule out an instrument loading error, all three samples were re-extracted out of hold on July 10, 1995. Samples -17 and -18 confirmed the original results (-17 was clean and -18 exhibited high PAH hits). Sample -16 was clean upon re-extraction. It was concluded that sample -18 (SD0005) had been inadvertantly extracted as -16 (SD0001) in the original extraction batch. The results from the re-extraction (batch 0710I) were reported for sample -16.

6. The soil matrix spikes for SD0001 appear to have been extracted using the correct sample, as they did not exhibit PAH hits. Both spikes exhibited one surrogate recovery, terphenyl-d14, outside control limits due to matrix interference. The matrix spike exhibited one spike recovery, pyrene, outside advisory limits due to matrix interference. The recoveries are flagged *F36 and *F in the report.

Method 8080

1. Sample -18 (950609-FW-00-SD0005) exhibited matrix interference and was analyzed at a 5x dilution. The resulting elevated reporting limits are flagged *F65 in the report.
2. Upon review, it was noted that samples -16 (950608-FW-00-SD0001) and -17 (950608-FW-00-SD9001), which were thought to be field duplicates, did not match. Samples -16 and -18 (950609-FW-00-SD0005) both exhibited matrix interference, while -17 did not. After reanalyzing the extracts to rule out an instrument loading error, all three samples were re-extracted out of hold on July 11, 1995. Samples -17 and -18 confirmed the original results (-17 was clean and -18 exhibited interference). It was concluded that sample -18 (SD0005) had been inadvertantly extracted as -16 (SD0001) in the original batch. The results from the re-extraction (batch 0711S) were reported for sample -16 (SD0001).
3. The soil matrix spikes appear to have been extracted using sample SD0005 rather than SD0001. They required a 5x dilution; three of the six compounds were diluted out and are flagged *F62 in the report.

Method 8150

1. The soil matrix spikes exhibited precision values for two compounds outside advisory limits due to sample non-homogeneity. The RPDs are flagged *F79 in the report.

Method 8280

1. Sample -18 (950609-FW-00-SD0005) exhibited matrix interference and was analyzed at a 5x dilution. The resulting elevated reporting limits are flagged *F65 in the report. The surrogate/internal standard TCDD exhibited a recovery outside the control limits due to the dilution and is flagged *F36 in the report.

Method 6010

1. The soil matrix spikes exhibited one elevated recovery for lead, which is flagged *F73 in the report. The precision values for copper, lead, and zinc were outside advisory limits due to sample non-homogeneity and are flagged *F79 in the report.
2. All sediment samples were analyzed at multiple dilutions in order to quantitate all metals at a level within the calibration range. Sample -14 exhibited matrix interference for cadmium, selenium, and thallium, which were analyzed at 20x, 2x, and 2x dilutions, respectively. Sample -17 exhibited matrix interference for cadmium, which was analyzed at a 10x dilution. Sample -18 exhibited matrix interference for beryllium, cadmium, silver, thallium, and tin, which were analyzed at 5x, 5x, 50x, 5x, and 5x dilutions, respectively. The resulting elevated reporting limits are flagged *F65 in the report.

Method 9012

1. The soil matrix spike recoveries for cyanide were outside advisory limits due to matrix interference and are flagged *F73 in the report.

Elizabeth L. Schneider

Elizabeth L. Schneider

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
Volatile Organic Compounds (8240)			
Acetone, ug/l	27	8.1J	4.2J
Acrolein, ug/l	<20	<20	<20
Acrylonitrile, ug/l	<20	<20	<20
Benzene, ug/l	<1.0	<1.0	<1.0
Bromodichloromethane, ug/l	<1.0	<1.0	<1.0
Bromoform, ug/l	<1.0	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0	<1.0
2-Chloroethylvinyl ether, ug/l	<10	<10	<10
Chloroform, ug/l	<1.0	<1.0	<1.0
Chloromethane, ug/l	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0	<1.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0	<2.0
Dichlorodifluoromethane, ug/l	<1.0	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0	<1.0
1,2-Dichloroethane, ug/l	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

346 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
1,1-Dichloroethene, ug/l	<1.0	<1.0	<1.0
1,2-Dichloropropane, ug/l	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0	<1.0
2-Hexanone, ug/l	<10	<10	<10
Iodomethane, ug/l	<1.0	<1.0	<1.0
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10	<10
Styrene, ug/l	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0	<1.0
Toluene, ug/l	0.18J	<1.0	<1.0
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0	<1.0
Trichloroethene, ug/l	<1.0	<1.0	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0	<1.0
Vinyl acetate, ug/l	<1.0	<1.0	<1.0
Vinyl chloride, ug/l	<1.0	<1.0	<1.0
Xylenes, ug/l	<1.0	<1.0	<1.0
Surrogate - Dibromofluoromethane	112 %	106 %	100 %
Surrogate - Toluene-d8	104 %	99 %	97 %
Surrogate - 4-Bromofluorobenzene	116 %	108 %	108 %
Date Analyzed	06.14.95	06.14.95	06.14.95
Batch ID	0612A	0612A	0612A
Clock ID	1H0614	1H0614	1H0614

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
Semivolatile Organics (8270)			
Acenaphthene, ug/l	<10	<10	<10
Acenaphthylene, ug/l	<10	<10	<10
Anthracene, ug/l	<10	<10	<10
Benzo(a)anthracene, ug/l	<10	<10	<10
Benzo(b)fluoranthene, ug/l	<10	<10	<10
Benzo(k)fluoranthene, ug/l	<10	<10	<10
Benzo(g,h,i)perylene, ug/l	<10	<10	<10
Benzo(a)pyrene, ug/l	<10	<10	<10
Benzyl alcohol, ug/l	<10	<10	<10
bis(2-Chloroethoxy)methane, ug/l	<10	<10	<10
bis(2-Chloroethyl)ether, ug/l	<10	<10	<10
bis(2-Chloroisopropyl)ether, ug/l	<10	<10	<10
bis(2-Ethylhexyl)phthalate, ug/l	<10	<10	<10
4-Bromophenyl phenyl ether, ug/l	<10	<10	<10
p-Chloroaniline, ug/l	<20	<20	<20
4-Chloro-3-methylphenol, ug/l	<10	<10	<10
2-Chloronaphthalene, ug/l	<10	<10	<10
2-Chlorophenol, ug/l	<10	<10	<10
4-Chlorophenylphenyl ether, ug/l	<10	<10	<10
Chrysene, ug/l	<10	<10	<10
Dibenz(a,h)anthracene, ug/l	<10	<10	<10
Dibenzofuran, ug/l	<10	<10	<10
Di-n-butylphthalate, ug/l	<10	<10	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

946 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
1,2-Dichlorobenzene, ug/l	<10	<10	<10
1,3-Dichlorobenzene, ug/l	<10	<10	<10
1,4-Dichlorobenzene, ug/l	<10	<10	<10
2,4-Dichlorophenol, ug/l	<10	<10	<10
2,6-Dichlorophenol, ug/l	<10	<10	<10
Diethylphthalate, ug/l	<10	<10	<10
3,3'-Dimethylbenzidine, ug/l	<200	<200	<200
2,4-Dimethylphenol, ug/l	<10	<10	<10
Dimethylphthalate, ug/l	<10	<10	<10
2,4-Dinitrophenol, ug/l	<20	<50	<50
2,4-Dinitrotoluene, ug/l	<10	<10	<10
2,6-Dinitrotoluene, ug/l	<10	<10	<10
Di-n-octylphthalate, ug/l	<10	<10	<10
Fluoranthene, ug/l	<10	<10	<10
Fluorene, ug/l	<10	<10	<10
Hexachlorobenzene, ug/l	<10	<10	<10
Hexachlorobutadiene, ug/l	<10	<10	<10
Hexachlorocyclopentadiene, ug/l	<10	<10	<10
Hexachloroethane, ug/l	<10	<10	<10
Indeno(1,2,3-cd)pyrene, ug/l	<10	<10	<10
Isophorone, ug/l	<10	<10	<10
2-Methyl-4,6-dinitrophenol, ug/l	<20	<50	<50
2-Methylnaphthalene, ug/l	<10	<10	<10
2-Methylphenol (o-cresol), ug/l	<10	<10	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	<10	<10
Naphthalene, ug/l	<10	<10	<10
2-Nitroaniline, ug/l	<20	<50	<50
3-Nitroaniline, ug/l	<20	<50	<50
4-Nitroaniline, ug/l	<20	<50	<50
Nitrobenzene, ug/l	<10	<10	<10
2-Nitrophenol, ug/l	<10	<10	<10
4-Nitrophenol, ug/l	<20	<50	<50
N-Nitrosodimethylamine, ug/l	<10	<10	<10
n-Nitrosodi-n-propylamine, ug/l	<10	<10	<10
Pentachlorophenol, ug/l	<20	<50	<50
Phenanthrene, ug/l	<10	<10	<10
Phenol, ug/l	<10	<10	<10
Pyrene, ug/l	<10	<10	<10
Pyridine, ug/l	<200	<200	<200
2,3,4,6-Tetrachlorophenol, ug/l	<20	<50	<50
1,2,4-Trichlorobenzene, ug/l	<10	<10	<10
2,4,5-Trichlorophenol, ug/l	<10	<10	<10
2,4,6-Trichlorophenol, ug/l	<10	<10	<10
Surrogate-2-Fluorophenol	60 %	59 %	57 %
Surrogate-Phenol-d5	74 %	75 %	71 %
Surrogate-Nitrobenzene-d5	89 %	81 %	70 %
Surrogate-2-Fluorobiphenyl	78 %	75 %	80 %
Surrogate-2,4,6-Tribromophenol	126 %	112 %	121 %
Surrogate-4-Terphenyl-d14	40 %	73 %	124 %
Date Extracted	06.13.95	06.13.95	06.13.95
Date Analyzed	06.24.95	06.24.95	06.26.95
Batch ID	0613A	0613A	0613A

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-1	950608-FW-00-SW0002	06-08-95
11690-2	950608-FW-00-SW0004	06-08-95
11690-3	950609-FW-00-SW0003	06-09-95

PARAMETER	11690-1	11690-2	11690-3
Metals by ICP (6010)			
Antimony, mg/l	<0.050	<0.050	<0.050
Arsenic, mg/l	<0.010	<0.010	<0.010
Barium, mg/l	0.48	0.075	0.035
Beryllium, mg/l	<0.0040	<0.0040	<0.0040
Cadmium, mg/l	<0.0050	<0.0050	<0.0050
Chromium, mg/l	<0.010	<0.010	<0.010
Copper, mg/l	<0.025	<0.025	<0.025
Lead, mg/l	0.0085	<0.0050	<0.0050
Nickel, mg/l	<0.040	<0.040	<0.040
Selenium, mg/l	<0.010	<0.010	<0.010
Silver, mg/l	<0.010	<0.010	<0.010
Thallium, mg/l	<0.010	<0.010	<0.010
Zinc, mg/l	0.037	0.031	<0.020
Prep or Extraction Date	06.14.95	06.14.95	06.14.95
Date Analyzed	06.15.95	06.15.95	06.15.95
Batch ID	0614I	0614I	0614I
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	<0.00020	<0.00020
Prep or Extraction Date	06.16.95	06.16.95	06.16.95
Date Analyzed	06.16.95	06.16.95	06.16.95
Batch ID	0616T	0616T	0616T
Cyanide (9012)			
Cyanide, mg/l	0.067	0.017	0.051
Date Analyzed	06.12.95	06.12.95	06.13.95
Batch ID	0612A	0612A	0613A

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Volatile Organic Compounds (8240)					
Acetone, ug/l	6.1J	<10	10	10	7.9J
Acetonitrile, ug/l	<200	<200	<200	<200	<200
Acrolein, ug/l	<20	<20	<20	<20	<20
Acrylonitrile, ug/l	<20	<20	<20	<20	<20
Allylchloride (3-Chloropropene), ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene, ug/l	<1.0	<1.0	0.43J	0.57J	<1.0
Bromodichloromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10	<10	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform, ug/l	<1.0	<1.0	5.8	5.3	<1.0
Chloromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroprene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
1,2-Dibromo-3-chloropropane, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Dichlorodifluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene, ug/l	<1.0	<1.0	<1.0	0.50J	<1.0
1,2-Dichloropropane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone, ug/l	<10	<10	<10	<10	<10
Iodomethane, ug/l	<1.0	<1.0	<1.0	0.66J	<1.0
Isobutanol, ug/l	<200	<200	<200	<200	<200
Methacrylonitrile, ug/l	<20	<20	<20	<20	<20
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0	2.8	<1.0	<1.0
Methyl methacrylate, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10	<10	<10	<10
Pentachloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Propionitrile, ug/l	<20	<20	<20	<20	<20

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Styrene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene, ug/l	<1.0	<1.0	0.68J	1.0	0.30J
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene, ug/l	<1.0	0.20J	<1.0	0.72J	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl chloride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, ug/l	<1.0	<1.0	<1.0	<1.0	0.90J
Surrogate - Dibromofluoromethane	104 %	108 %	105 %	101 %	100 %
Surrogate - Toluene-d8	99 %	105 %	100 %	101 %	98 %
Surrogate - 4-Bromofluorobenzene	107 %	111 %	109 %	106 %	107 %
Date Analyzed	06.14.95	06.14.95	06.14.95	06.15.95	06.14.95
Batch ID	0612A	0612A	0612A	0612A	0612A
Clock ID	1H0614	1H0614	1H0614	1H0615	1H0614

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Semivolatile Organics (8270)					
Acenaphthene, ug/l	<10	<10	<10	<10	<10
Acenaphthylene, ug/l	<10	<10	<10	<10	<10
Acetophenone, ug/l	<10	<10	<10	<10	<10
2-Acetylaminofluorene, ug/l	<10	<10	<10	<10	<10
4-Aminobiphenyl, ug/l	<10	<10	<10	<10	<10
Aniline, ug/l	<10	<10	<10	<10	<10
Anthracene, ug/l	<10	<10	<10	<10	<10
Aramite, ug/l	<10	<10	<10	<10	<10
Benzo(a)anthracene, ug/l	<10	<10	<10	<10	<10
Benzo(b)fluoranthene, ug/l	<10	<10	<10	<10	<10
Benzo(k)fluoranthene, ug/l	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene, ug/l	<10	<10	<10	<10	<10
Benzo(a)pyrene, ug/l	<10	<10	<10	<10	<10
Benzyl alcohol, ug/l	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane, ug/l	<10	<10	<10	<10	<10
bis(2-Chloroethyl)ether, ug/l	<10	<10	<10	<10	<10
bis(2-Chloroisopropyl)ether, ug/l	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate, ug/l	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether, ug/l	<10	<10	<10	<10	<10
Butylbenzylphthalate, ug/l	<10	<10	<10	<10	<10
(Dinoseb)	<10	<10	<10	<10	<10
2-sec-Butyl-4,6-dinitropheno 1, ug/l					

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
p-Chloroaniline, ug/l	<20	<20	<20	<20	<20
4-Chloro-3-methylphenol, ug/l	<10	<10	<10	<10	<10
2-Chloronaphthalene, ug/l	<10	<10	<10	<10	<10
2-Chlorophenol, ug/l	<10	<10	<10	<10	<10
4-Chlorophenylphenyl ether, ug/l	<10	<10	<10	<10	<10
Chrysene, ug/l	<10	<10	<10	<10	<10
Diallate, ug/l	<10	<10	<10	<10	<10
Dibenz(a,h)anthracene, ug/l	<10	<10	<10	<10	<10
Dibenzofuran, ug/l	<10	<10	<10	<10	<10
Di-n-butylphthalate, ug/l	<10	<10	<10	<10	<10
1,2-Dichlorobenzene, ug/l	<10	<10	<10	<10	<10
1,3-Dichlorobenzene, ug/l	<10	<10	<10	<10	<10
1,4-Dichlorobenzene, ug/l	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine, ug/l	<20	<20	<20	<20	<20
2,4-Dichlorophenol, ug/l	<10	<10	<10	<10	<10
2,6-Dichlorophenol, ug/l	<10	<10	<10	<10	<10
Diethylphthalate, ug/l	<10	<10	<10	<10	<10
p-(Dimethylamino)azobenzene, ug/l	<10	<10	<10	<10	<10
7,12-Dimethylbenz(a)anthracene, ug/l	<10	<10	<10	<10	<10
3,3'-Dimethylbenzidine, ug/l	<200	<200	<200	<200	<200
a-a-Dimethylphenethylamine, ug/l	<2000	<2000	<2000	<2000	<2000

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
2,4-Dimethylphenol, ug/l	<10	<10	<10	<10	<10
Dimethylphthalate, ug/l	<10	<10	<10	<10	<10
m-Dinitrobenzene , ug/l	<10	<10	<10	<10	<10
2,4-Dinitrophenol, ug/l	<50	<50	<50	<50	<50
2,4-Dinitrotoluene, ug/l	<10	<10	<10	<10	<10
2,6-Dinitrotoluene, ug/l	<10	<10	<10	<10	<10
Di-n-octylphthalate, ug/l	<10	<10	<10	<10	<10
1,4-Dioxane, ug/l	<10	<10	<10	<10	<10
Ethyl methanesulfonate, ug/l	<10	<10	<10	<10	<10
Fluoranthene, ug/l	<10	<10	<10	<10	<10
Fluorene, ug/l	<10	<10	<10	<10	<10
Hexachlorobenzene, ug/l	<10	<10	<10	<10	<10
Hexachlorobutadiene, ug/l	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene, ug/l	<10	<10	<10	<10	<10
Hexachloroethane, ug/l	<10	<10	<10	<10	<10
Hexachlorophene, ug/l	<5000	<5000	<5000	<5000	<5000
Hexachloropropene, ug/l	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene, ug/l	<10	<10	<10	<10	<10
Isophorone, ug/l	<10	<10	<10	<10	<10
Isosafrole, ug/l	<10	<10	<10	<10	<10
Kepone, ug/l	<10	<10	<10	<10	<10
Methapyrilene, ug/l	<2000	<2000	<2000	<2000	<2000

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
3-Methylcholanthrene, ug/l	<10	<10	<10	<10	<10
Methyl methanesulfonate, ug/l	<10	<10	<10	<10	<10
2-Methyl-4,6-dinitrophenol, ug/l	<50	<50	<50	<50	<50
2-Methylnaphthalene, ug/l	<10	<10	<10	<10	<10
2-Methylphenol (o-cresol), ug/l	<10	<10	<10	<10	<10
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	<10	<10	<10	<10
Naphthalene, ug/l	<10	<10	<10	<10	<10
1,4-Naphthoquinone, ug/l	<10	<10	<10	<10	<10
1-Naphthylamine, ug/l	<10	<10	<10	<10	<10
2-Naphthylamine, ug/l	<10	<10	<10	<10	<10
2-Nitroaniline, ug/l	<50	<50	<50	<50	<50
3-Nitroaniline, ug/l	<50	<50	<50	<50	<50
4-Nitroaniline, ug/l	<50	<50	<50	<50	<50
Nitrobenzene, ug/l	<10	<10	<10	<10	<10
2-Nitrophenol, ug/l	<10	<10	<10	<10	<10
4-Nitrophenol, ug/l	<50	<50	<50	<50	<50
4-Nitroquinoline 1-oxide, ug/l	<100	<100	<100	<100	<100
N-Nitrosodi-n-butylamine, ug/l	<10	<10	<10	<10	<10
N-Nitrosodiethylamine, ug/l	<10	<10	<10	<10	<10
N-Nitrosodimethylamine, ug/l	<10	<10	<10	<10	<10
N-Nitrosomethylethylamine, ug/l	<10	<10	<10	<10	<10

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

946 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
N-Nitrosodiphenylamine/Diphenylamine, ug/l	<10	<10	<10	<10	<10
n-Nitrosodi-n-propylamine, ug/l	<10	<10	<10	<10	<10
N-Nitrosomorpholine, ug/l	<10	<10	<10	<10	<10
N-Nitrosopiperidine, ug/l	<10	<10	<10	<10	<10
N-Nitrosopyrrolidine, ug/l	<10	<10	<10	<10	<10
5-Nitro-o-toluidine, ug/l	<10	<10	<10	<10	<10
Pentachlorobenzene, ug/l	<10	<10	<10	<10	<10
Pentachloronitrobenzene, ug/l	<10	<10	<10	<10	<10
Pentachlorophenol, ug/l	<50	<50	<50	<50	<50
Phenacetin, ug/l	<10	<10	<10	<10	<10
Phenanthrene, ug/l	<10	<10	<10	<10	<10
Phenol, ug/l	<10	<10	<10	<10	<10
p-Phenylenediamine, ug/l	<2000	<2000	<2000	<2000	<2000
2-Picoline, ug/l	<200	<200	<200	<200	<200
Pronamide, ug/l	<10	<10	<10	<10	<10
Pyrene, ug/l	<10	<10	<10	<10	<10
Pyridine, ug/l	<200	<200	<200	<200	<200
Safrole, ug/l	<10	<10	<10	<10	<10
1,2,4,5-Tetrachlorobenzene, ug/l	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol, ug/l	<50	<50	<50	<50	<50
o-Toluidine, ug/l	<10	<10	<10	<10	<10

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
1,2,4-Trichlorobenzene, ug/l	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol, ug/l	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol, ug/l	<10	<10	<10	<10	<10
o,o,o-Triethyl phosphorothioate, ug/l	<10	<10	<10	<10	<10
1,3,5-Trinitrobenzene, ug/l	<200	<200	<200	<200	<200
Surrogate-2-Fluorophenol	60 %	58 %	58 %	78 %	53 %
Surrogate-Phenol-d5	75 %	72 %	72 %	89 %	66 %
Surrogate-Nitrobenzene-d5	86 %	78 %	73 %	102 %	77 %
Surrogate-2-Fluorobiphenyl	87 %	75 %	77 %	87 %	76 %
Surrogate-2,4,6-Tribromophenol	116 %	123 %	105 %	86 %	120 %
Surrogate-4-Terphenyl-d14	88 %	86 %	95 %	95 %	94 %
Date Extracted	06.13.95	06.13.95	06.13.95	06.13.95	06.13.95
Date Analyzed	06.24.95	06.24.95	06.24.95	07.12.95	06.26.95
Batch ID	0613A	0613A	0613A	0613A	0613A

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Organochlorine Pesticides/PCB's (8080)					
Aldrin, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
alpha-BHC, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
beta-BHC, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
gamma-BHC, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
delta-BHC, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
alpha-Chlordane, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
gamma-Chlordane, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
Chlorobenzilate, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
p,p'-DDD, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
p,p'-DDE, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
p,p'-DDT, ug/l	<0.050	<0.050	<0.050	<0.050	<0.050
Dieldrin, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
Endosulfan I, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
Endosulfan II, ug/l	<0.050	<0.050	<0.050	<0.050	<0.050
Endosulfan sulfate, ug/l	<0.050	<0.050	<0.050	<0.050	<0.050
Endrin, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
Endrin Aldehyde, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
Heptachlor, ug/l	<0.010	<0.010	<0.010	<0.010	<0.010
Heptachlor epoxide, ug/l	<0.020	<0.020	<0.020	<0.020	<0.020
Isodrin, ug/l	<0.050	<0.050	<0.050	<0.050	<0.050
Methoxychlor, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Toxaphene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor-1016, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1221, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1232, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1242, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1248, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1254, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor-1260, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate - Dibutyl Chlorendate	75 %	73 %	96 %	81 %	49 %
Date Extracted	06.13.95	06.13.95	06.13.95	06.13.95	06.13.95
Date Analyzed	06.24.95	06.24.95	06.24.95	06.24.95	06.24.95
Batch ID	0613B	0613B	0613B	0613B	0613B

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Organophosphorus Pesticides (8141)					
Dimethoate, ug/l	<10	<10	<10	<10	<10
Disulfoton, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Ethyl Parathion, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur, ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Parathion, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Phorate, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfotepp, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Thionazin, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate - Triphenylphosphate	122 %	103 %	98 %	96 %	103 %
Date Extracted	06.13.95	06.13.95	06.13.95	06.13.95	06.13.95
Date Analyzed	06.24.95	06.24.95	06.24.95	06.24.95	06.24.95
Batch ID	0613B	0613B	0613B	0613B	0613B
Chlorinated Herbicides (8150)					
2,4-D, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,5-T, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,5-TP Silvex, ug/l	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate - DCPA	127 %	117 %	92 %	65 %	87 %
Date Extracted	06.13.95	06.13.95	06.13.95	06.13.95	06.13.95
Date Analyzed	06.17.95	06.17.95	06.17.95	06.17.95	06.17.95
Batch ID	0613P	0613P	0613P	0613P	0613P

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Chlorinated Dioxins/Furans-App 9 (8280)					
Tetra CDD, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Tetra CDF, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Penta CDD, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Penta CDF, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Hexa CDD, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Hexa CDF, ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Dioxin-2,3,7,8-TCDD , ug/l	<0.0051	<0.0051	<0.0050	<0.0050	<0.0050
Internal Standard (TCDD)	70 %	72 %	75 %	71 %	65 %
Date Extracted	06.14.95	06.14.95	06.14.95	06.14.95	06.14.95
Date Analyzed	06.20.95	06.20.95	06.20.95	06.20.95	06.20.95
Batch ID	0614D	0614D	0614D	0614D	0614D

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Metals by ICP (6010)					
Antimony, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Barium, mg/l	0.045	0.045	<0.010	<0.010	0.081
Beryllium, mg/l	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Cadmium, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Copper, mg/l	<0.025	<0.025	<0.025	<0.025	0.034
Lead, mg/l	<0.0050	<0.0050	<0.0050	<0.0050	0.0053
Nickel, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040
Selenium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Tin, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050
Vanadium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010
Zinc, mg/l	<0.020	<0.020	<0.020	<0.020	0.052
Prep or Extraction Date	06.14.95	06.14.95	06.14.95	06.14.95	06.14.95
Date Analyzed	06.15.95	06.15.95	06.15.95	06.15.95	06.15.95
Batch ID	0614I	0614I	0614I	0614I	0614I

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-4	950608-FW-00-SW0001	06-08-95
11690-5	950608-FW-00-SW9001	06-08-95
11690-6	950608-FW-00-FB0001	06-08-95
11690-7	950608-FW-00-SDEB01	06-08-95
11690-8	950609-FW-00-SW0005	06-09-95

PARAMETER	11690-4	11690-5	11690-6	11690-7	11690-8
Mercury (7470/7471)					
Mercury, mg/l	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Prep or Extraction Date	06.16.95	06.16.95	06.16.95	06.16.95	06.16.95
Date Analyzed	06.16.95	06.16.95	06.16.95	06.16.95	06.16.95
Batch ID	0616T	0616T	0616T	0616T	0616T
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.011	<0.010	<0.010	0.13
Date Analyzed	06.12.95	06.12.95	06.12.95	06.12.95	06.13.95
Batch ID	0612A	0612A	0612A	0612A	0613A
Sulfide (9030)					
Sulfide, mg/l	<0.40	<0.40	<0.40	<0.40	<0.40
Date Analyzed	06.14.95	06.14.95	06.14.95	06.14.95	06.14.95
Batch ID	0613A	0613A	0613A	0613A	0613A

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-9	950608-FW-00-SWEB01	06-08-95
11690-10	950608-FW-00-TB0001	06-08-95
11690-11	950608-FW-00-TB0002	06-08-95
11690-12	950609-FW-00-TB0003	06-09-95

PARAMETER	11690-9	11690-10	11690-11	11690-12
Volatile Organic Compounds (8240)				
Acetone, ug/l	11	9.8J	<10	<10
Acetonitrile, ug/l	<200	<200	<200	<200
Acrolein, ug/l	<20	<20	<20	<20
Acrylonitrile, ug/l	<20	<20	<20	<20
Allylchloride (3-Chloropropene), ug/l	<1.0	<1.0	<1.0	<1.0
Benzene, ug/l	<1.0	0.18J	<1.0	<1.0
Bromodichloromethane, ug/l	0.28J	<1.0	<1.0	<1.0
Bromoform, ug/l	<1.0	<1.0	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
Chloroform, ug/l	3.7	<1.0	<1.0	<1.0
Chloromethane, ug/l	<1.0	<1.0	<1.0	<1.0
Chloroprene, ug/l	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane, ug/l	<2.0	<2.0	<2.0	<2.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0	<2.0	<2.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-9	950608-FW-00-SWEB01	06-08-95
11690-10	950608-FW-00-TB0001	06-08-95
11690-11	950608-FW-00-TB0002	06-08-95
11690-12	950609-FW-00-TB0003	06-09-95

PARAMETER	11690-9	11690-10	11690-11	11690-12
Dichlorodifluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene, ug/l	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane, ug/l	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	0.20J	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0	<1.0	<1.0
2-Hexanone, ug/l	<10	<10	<10	<10
Iodomethane, ug/l	0.29J	0.33J	<1.0	<1.0
Isobutanol, ug/l	<200	<200	<200	<200
Methacrylonitrile, ug/l	<20	<20	<20	<20
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0	<1.0	<1.0
Methyl methacrylate, ug/l	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10	<10	<10
Pentachloroethane, ug/l	<5.0	<5.0	<5.0	<5.0
Propionitrile, ug/l	<20	<20	<20	<20
Styrene, ug/l	<1.0	<1.0	0.81J	<1.0
1,1,1,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE SAMPLED
11690-9	950608-FW-00-SWEB01	06-08-95
11690-10	950608-FW-00-TB0001	06-08-95
11690-11	950608-FW-00-TB0002	06-08-95
11690-12	950609-FW-00-TB0003	06-09-95

PARAMETER	11690-9	11690-10	11690-11	11690-12
Toluene, ug/l	0.53J	0.89J	0.22J	<1.0
1,1,1-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0
Trichloroethene, ug/l	<1.0	0.31J	0.40J	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0	<1.0	<1.0
Vinyl acetate, ug/l	<2.0	<2.0	<2.0	<2.0
Vinyl chloride, ug/l	<1.0	<1.0	<1.0	<1.0
Xylenes, ug/l	<1.0	<1.0	0.84J	<1.0
Surrogate - Dibromofluoromethane	93 %	115 %	93 %	105 %
Surrogate - Toluene-d8	99 %	108 %	97 %	99 %
Surrogate - 4-Bromofluorobenzene	110 %	122 %	110 %	110 %
Date Analyzed	06.14.95	06.14.95	06.14.95	06.14.95
Batch ID	0612A	0612A	0612A	0612A
Clock ID	1H0614	1H0614	1H0614	1H0614

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
Volatile Organic Compounds (8240)			
Acetone, ug/kg dw	2100	160	<32
Acrolein, ug/kg dw	<220	<190	<130
Acrylonitrile, ug/kg dw	<220	<190	<130
Benzene, ug/kg dw	<11	<9.3	<6.5
Bromodichloromethane, ug/kg dw	<11	<9.3	<6.5
Bromoform, ug/kg dw	<11	<9.3	<6.5
Bromomethane, ug/kg dw	<22	<19	<13
2-Butanone (MEK), ug/kg dw	73	20J	<32
Carbon disulfide, ug/kg dw	12	6.1J	<6.5
Carbon tetrachloride, ug/kg dw	<11	<9.3	<6.5
Chlorobenzene, ug/kg dw	12	2.0J	<6.5
Chloroethane, ug/kg dw	<22	<19	<13
2-Chloroethylvinyl ether, ug/kg dw	<110	<93	<65
Chloroform, ug/kg dw	<11	<9.3	<6.5
Chloromethane, ug/kg dw	<22	<19	<13
Dibromochloromethane, ug/kg dw	2.6J	1.0J	<6.5
1,2-Dibromoethane (EDB) , ug/kg dw	<11	<9.3	<6.5
Dibromomethane, ug/kg dw	<11	<9.3	<6.5
trans-1,4-Dichloro-2-butene, ug/kg dw	<22	<19	<13
Dichlorodifluoromethane, ug/kg dw	<11	<9.3	<6.5
1,1-Dichloroethane, ug/kg dw	<11	<9.3	<6.5
1,2-Dichloroethane, ug/kg dw	<11	<9.3	<6.5
trans-1,2-Dichloroethene, ug/kg dw	<11	<9.3	<6.5

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
1,1-Dichloroethene, ug/kg dw	<11	<9.3	<6.5
1,2-Dichloropropane, ug/kg dw	<11	<9.3	<6.5
cis-1,3-Dichloropropene, ug/kg dw	<11	<9.3	<6.5
trans-1,3-Dichloropropene, ug/kg dw	<11	<9.3	<6.5
Ethylbenzene, ug/kg dw	5.0J	<9.3	<6.5
Ethyl methacrylate, ug/kg dw	<11	<9.3	<6.5
2-Hexanone, ug/kg dw	<55	<47	<32
Iodomethane, ug/kg dw	<11	<9.3	<6.5
Methylene chloride (Dichloromethane), ug/kg dw	<11	4.3J	2.0J
4-Methyl-2-pentanone (MIBK), ug/kg dw	<55	<47	<32
Styrene, ug/kg dw	<11	<9.3	<6.5
1,1,2,2-Tetrachloroethane, ug/kg dw	<11	<9.3	<6.5
Tetrachloroethene, ug/kg dw	5.2J	<9.3	<6.5
Toluene, ug/kg dw	3.6J	0.64J	<6.5
1,1,1-Trichloroethane, ug/kg dw	<11	<9.3	<6.5
1,1,2-Trichloroethane, ug/kg dw	<11	<9.3	<6.5
Trichloroethene, ug/kg dw	<11	<9.3	<6.5
Trichlorofluoromethane, ug/kg dw	<11	<9.3	<6.5
1,2,3-Trichloropropane, ug/kg dw	<11	<9.3	<6.5
Vinyl acetate, ug/kg dw	<22	<19	<13
Vinyl chloride, ug/kg dw	<22	<19	<13
Xylenes, ug/kg dw	26	2.0J	<6.5
Surrogate - Dibromofluoromethane	83 %	101 %	99 %
Surrogate - Toluene-d8	89 %	90 %	71 %
Surrogate - 4-Bromofluorobenzene	143%*F53	117 %	101 %
Date Analyzed	06.12.95	06.15.95	06.15.95
Batch ID	0609C	0609C	0609C
Clock ID	1J0612	1J0615	1J0615

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
Semivolatile Organics (8270)			
Acenaphthene, ug/kg dw	<23000	4900	<780
Acenaphthylene, ug/kg dw	<23000	9100	<780
Anthracene, ug/kg dw	<23000	26000	<780
Benzo(a)anthracene, ug/kg dw	74000	59000	<780
Benzo(b)fluoranthene, ug/kg dw	100000	65000	<780
Benzo(k)fluoranthene, ug/kg dw	130000	17000	<780
Benzo(g,h,i)perylene, ug/kg dw	51000	23000	<780
Benzo(a)pyrene, ug/kg dw	82000	54000	<780
Benzyl alcohol, ug/kg dw	<23000	<2600	<780
bis(2-Chloroethoxy)methane, ug/kg dw	<23000	<2600	<780
bis(2-Chloroethyl)ether, ug/kg dw	<23000	<2600	<780
bis(2-Chloroisopropyl)ether, ug/kg dw	<23000	<2600	<780
bis(2-Ethylhexyl)phthalate, ug/kg dw	<23000	<2600	<780
4-Bromophenyl phenyl ether, ug/kg dw	<23000	<2600	<780
p-Chloroaniline, ug/kg dw	<46000	<1600	<3900
4-Chloro-3-methylphenol, ug/kg dw	<23000	<2600	<780
2-Chloronaphthalene, ug/kg dw	<23000	<2600	<780
2-Chlorophenol, ug/kg dw	<23000	<2600	<780
4-Chlorophenylphenyl ether, ug/kg dw	<23000	<2600	<780
Chrysene, ug/kg dw	69000	54000	<780
Dibenz(a,h)anthracene, ug/kg dw	<23000	9100	<780
Dibenzofuran, ug/kg dw	<23000	7500	<780
Di-n-butylphthalate, ug/kg dw	<23000	<2600	<780

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
1,2-Dichlorobenzene, ug/kg dw	<23000	<2600	<780
1,3-Dichlorobenzene, ug/kg dw	<23000	<2600	<780
1,4-Dichlorobenzene, ug/kg dw	<23000	<2600	<780
2,4-Dichlorophenol, ug/kg dw	<23000	<2600	<780
2,6-Dichlorophenol, ug/kg dw	<23000	<2600	<780
Diethylphthalate, ug/kg dw	<23000	<2600	<780
3,3'-Dimethylbenzidine, ug/kg dw	<120000	<13000	<3900
2,4-Dimethylphenol, ug/kg dw	<23000	<2600	<780
Dimethylphthalate, ug/kg dw	<23000	<2600	<780
2,4-Dinitrophenol, ug/kg dw	<120000	<13000	<3900
2,4-Dinitrotoluene, ug/kg dw	<23000	<2600	<780
2,6-Dinitrotoluene, ug/kg dw	<23000	<2600	<780
Di-n-octylphthalate, ug/kg dw	<23000	<2600	<780
Fluoranthene, ug/kg dw	110000	110000	<780
Fluorene, ug/kg dw	<23000	15000	<780
Hexachlorobenzene, ug/kg dw	<23000	<2600	<780
Hexachlorobutadiene, ug/kg dw	<23000	<2600	<780
Hexachlorocyclopentadiene, ug/kg dw	<23000	<2600	<780
Hexachloroethane, ug/kg dw	<23000	<2600	<780
Indeno(1,2,3-cd)pyrene, ug/kg dw	47000	25000	<780
Isophorone, ug/kg dw	<23000	<2600	<780
2-Methyl-4,6-dinitrophenol, ug/kg dw	<120000	<13000	<3900
2-Methylnaphthalene, ug/kg dw	<23000	<2600	<780
2-Methylphenol (o-cresol), ug/kg dw	<23000	<2600	<780

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<23000	<2600	<780
Naphthalene, ug/kg dw	<23000	9600	<780
2-Nitroaniline, ug/kg dw	<120000	<13000	<3900
3-Nitroaniline, ug/kg dw	<120000	<13000	<3900
4-Nitroaniline, ug/kg dw	<120000	<13000	<3900
Nitrobenzene, ug/kg dw	<23000	<2600	<780
2-Nitrophenol, ug/kg dw	<23000	<2600	<780
4-Nitrophenol, ug/kg dw	<120000	<13000	<3900
N-Nitrosodimethylamine, ug/kg dw	<23000	<2600	<780
n-Nitrosodi-n-propylamine, ug/kg dw	<23000	<2600	<780
Pentachlorophenol, ug/kg dw	<120000	<13000	<3900
Phenanthrene, ug/kg dw	<23000	64000	<780
Phenol, ug/kg dw	<23000	<2600	<780
Pyrene, ug/kg dw	79000	84000	<780
Pyridine, ug/kg dw	<23000	<2600	<780
2,3,4,6-Tetrachlorophenol, ug/kg dw	<120000	<13000	<3900
1,2,4-Trichlorobenzene, ug/kg dw	<23000	<2600	<780
2,4,5-Trichlorophenol, ug/kg dw	<23000	<2600	<780
2,4,6-Trichlorophenol, ug/kg dw	<23000	<2600	<780
Surrogate-2-Fluorophenol	*F33	79 %	80 %
Surrogate-Phenol-d5	*F33	107 %	90 %
Surrogate-Nitrobenzene-d5	*F33	103 %	80 %
Surrogate-2-Fluorobiphenyl	*F33	125%*F36	102 %
Surrogate-2,4,6-Tribromophenol	*F33	133%*F36	108 %
Surrogate-4-Terphenyl-d14	*F33	209%*F36	118 %
Date Extracted	06.13.95	06.13.95	06.13.95
Date Analyzed	06.29.95	06.28.95	06.28.95
Batch ID	0613I	0613I	0613I

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
Metals by ICP (6010)			
Antimony, mg/kg dw	<5.0	<5.0	<5.0
Arsenic, mg/kg dw	14	18	11
Barium, mg/kg dw	630	200	27
Beryllium, mg/kg dw	1.4	2.3	0.62
Cadmium, mg/kg dw	1.4	<10*F65	<0.50
Chromium, mg/kg dw	26	52	16
Copper, mg/kg dw	180	740	27
Lead, mg/kg dw	150	91	23
Nickel, mg/kg dw	15	16	14
Selenium, mg/kg dw	4.5	<2.0*F65	<1.0
Silver, mg/kg dw	1.1	<1.0	<1.0
Thallium, mg/kg dw	2.5	<2.0*F65	<1.0
Zinc, mg/kg dw	1500	950	190
Prep or Extraction Date	06.15.95	06.15.95	06.15.95
Date Analyzed	06.16.95	06.16.95	06.16.95
Batch ID	0615C	0615C	0615C
Mercury (7470/7471)			
Mercury, mg/kg dw	0.85	0.14	<0.030
Prep or Extraction Date	06.19.95	06.19.95	06.19.95
Date Analyzed	06.19.95	06.19.95	06.19.95
Batch ID	0619R	0619R	0619R
Cyanide (9012)			
Cyanide, mg/kg dw	56	3.0	3.6
Date Analyzed	06.14.95	06.14.95	06.14.95
Batch ID	0613K	0613K	0613K

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-13	950608-FW-00-SD0002	06-08-95
11690-14	950608-FW-00-SD0004	06-08-95
11690-15	950609-FW-00-SD0003	06-09-95

PARAMETER	11690-13	11690-14	11690-15
Percent Solids, %	43 %	63 %	85 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Volatile Organic Compounds (8240)			
Acetone, ug/kg dw	120	150	410
Acetonitrile, ug/kg dw	<1200	<1200	<2300
Acrolein, ug/kg dw	<120	<120	<230
Acrylonitrile, ug/kg dw	<120	<120	<230
Allylchloride (3-Chloropropene), ug/kg dw	<6.0	<6.0	<12
Benzene, ug/kg dw	<6.0	<6.0	<12
Bromodichloromethane, ug/kg dw	<6.0	<6.0	<12
Bromoform, ug/kg dw	<6.0	<6.0	<12
Bromomethane, ug/kg dw	<12	<12	<23
2-Butanone (MEK), ug/kg dw	<30	<30	35J
Carbon disulfide, ug/kg dw	<6.0	<6.0	7.4J
Carbon tetrachloride, ug/kg dw	<6.0	<6.0	<12
Chlorobenzene, ug/kg dw	<6.0	<6.0	<12
Chloroethane, ug/kg dw	<12	<12	<23
Chloroform, ug/kg dw	<6.0	<6.0	<12
Chloromethane, ug/kg dw	<12	<12	<23
Chloroprene, ug/kg dw	<6.0	<6.0	<12
Dibromochloromethane, ug/kg dw	<6.0	<6.0	5.8J
1,2-Dibromoethane (EDB) , ug/kg dw	<6.0	<6.0	<12
Dibromomethane, ug/kg dw	<6.0	<6.0	<12
1,2-Dibromo-3-chloropropane, ug/kg dw	<12	<12	<23
trans-1,4-Dichloro-2-butene, ug/kg dw	<12	<12	<23
Dichlorodifluoromethane, ug/kg dw	<6.0	<6.0	<12

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
1,1-Dichloroethane, ug/kg dw	<6.0	<6.0	<12
1,2-Dichloroethane, ug/kg dw	<6.0	<6.0	<12
trans-1,2-Dichloroethene, ug/kg dw	<6.0	<6.0	<12
1,1-Dichloroethene, ug/kg dw	<6.0	<6.0	<12
1,2-Dichloropropane, ug/kg dw	<6.0	<6.0	<12
cis-1,3-Dichloropropene, ug/kg dw	<6.0	<6.0	<12
trans-1,3-Dichloropropene, ug/kg dw	<6.0	<6.0	<12
Ethylbenzene, ug/kg dw	<6.0	<6.0	1.7J
Ethyl methacrylate, ug/kg dw	<6.0	<6.0	<12
2-Hexanone, ug/kg dw	<30	<30	<58
Iodomethane, ug/kg dw	<6.0	<6.0	<12
Isobutanol, ug/kg dw	<1200	<1200	<2300
Methacrylonitrile, ug/kg dw	<120	<120	<230
Methylene chloride (Dichloromethane), ug/kg dw	<6.0	<6.0	<12
Methyl methacrylate, ug/kg dw	<6.0	<6.0	<12
4-Methyl-2-pentanone (MIBK), ug/kg dw	<6.0	<30	<58
Pentachloroethane, ug/kg dw	<30	<30	<58
Propionitrile, ug/kg dw	55J	<120	<230
Styrene, ug/kg dw	<6.0	<6.0	<12
1,1,1,2-Tetrachloroethane, ug/kg dw	<6.0	<6.0	<12
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.0	<6.0	<12
Tetrachloroethene, ug/kg dw	<6.0	<6.0	<12
Toluene, ug/kg dw	<6.0	<6.0	<12
1,1,1-Trichloroethane, ug/kg dw	<6.0	<6.0	<12

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
1,1,2-Trichloroethane, ug/kg dw	<6.0	<6.0	<12
Trichloroethene, ug/kg dw	<6.0	<6.0	<12
Trichlorofluoromethane, ug/kg dw	<6.0	<6.0	<12
1,2,3-Trichloropropane, ug/kg dw	<6.0	<6.0	<12
Vinyl acetate, ug/kg dw	<12	<12	<23
Vinyl chloride, ug/kg dw	<12	<12	<23
Xylenes, ug/kg dw	<6.0	<6.0	4.0J
Surrogate - Dibromofluoromethane	111 %	101 %	105 %
Surrogate - Toluene-d8	66%*F53	50%*F53	91 %
Surrogate - 4-Bromofluorobenzene	99 %	96 %	126 %
Date Analyzed	06.12.95	06.12.95	06.15.95
Batch ID	0609C	0609C	0609C
Clock ID	1J0612	1J0612	1J0615

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Semivolatile Organics (8270)			
Acenaphthene, ug/kg dw	<370	<380	540
Acenaphthylene, ug/kg dw	<370	<380	830
Acetophenone, ug/kg dw	<370	<380	<500
2-Acetylaminofluorene, ug/kg dw	<370	<380	<500
4-Aminobiphenyl, ug/kg dw	<370	<380	<500
Aniline, ug/kg dw	<370	<380	<500
Anthracene, ug/kg dw	<370	<380	970
Aramite, ug/kg dw	<370	<380	<500
Benzo(a)anthracene, ug/kg dw	<370	<380	9600
Benzo(b)fluoranthene, ug/kg dw	<370	<380	12000
Benzo(k)fluoranthene, ug/kg dw	<370	<380	4500
Benzo(g,h,i)perylene, ug/kg dw	<370	<380	6800
Benzo(a)pyrene, ug/kg dw	<370	<380	9600
Benzyl alcohol, ug/kg dw	<370	<380	<500
bis(2-Chloroethoxy)methane, ug/kg dw	<370	<380	<500
bis(2-Chloroethyl)ether, ug/kg dw	<370	<380	<500
bis(2-Chloroisopropyl)ether, ug/kg dw	<370	<380	<500
bis(2-Ethylhexyl)phthalate, ug/kg dw	<370	<380	<500
4-Bromophenyl phenyl ether, ug/kg dw	<370	<380	<500
Butylbenzylphthalate, ug/kg dw	<370	<380	<500
(Dinoseb) 2-sec-Butyl-4,6-dinitrophenol, ug/kg dw	<370	<380	<500
p-Chloroaniline, ug/kg dw	<730	<760	<1000
4-Chloro-3-methylphenol, ug/kg dw	<370	<380	<500

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
2-Chloronaphthalene, ug/kg dw	<370	<380	<500
2-Chlorophenol, ug/kg dw	<370	<380	<500
4-Chlorophenylphenyl ether, ug/kg dw	<370	<380	<500
Chrysene, ug/kg dw	<370	<380	10000
Diallate, ug/kg dw	<370	<380	<500
Dibenz(a,h)anthracene, ug/kg dw	<1800	<380	<2500
Dibenzofuran, ug/kg dw	<370	<380	700
Di-n-butylphthalate, ug/kg dw	<370	<380	<500
1,2-Dichlorobenzene, ug/kg dw	<370	<380	<500
1,3-Dichlorobenzene, ug/kg dw	<370	<380	<500
1,4-Dichlorobenzene, ug/kg dw	<370	<380	<500
3,3'-Dichlorobenzidine, ug/kg dw	<730	<760	<1000
2,4-Dichlorophenol, ug/kg dw	<370	<380	<500
2,6-Dichlorophenol, ug/kg dw	<370	<380	<500
Diethylphthalate, ug/kg dw	<370	<380	<500
p-(Dimethylamino)azobenzene, ug/kg dw	<370	<380	<500
7,12-Dimethylbenz(a)anthracene, ug/kg dw	<1800	<380	<2500
3,3'-Dimethylbenzidine, ug/kg dw	<1800	<1900	<2500
a-a-Dimethylphenethylamine, ug/kg dw	<1800	<1900	<2500
2,4-Dimethylphenol, ug/kg dw	<370	<380	<500
Dimethylphthalate, ug/kg dw	<370	<380	<500
m-Dinitrobenzene , ug/kg dw	<370	<380	<500
2,4-Dinitrophenol, ug/kg dw	<1800	<1900	<2500
2,4-Dinitrotoluene, ug/kg dw	<370	<380	<500

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
2,6-Dinitrotoluene, ug/kg dw	<370	<380	<500
Di-n-octylphthalate, ug/kg dw	<370	<380	<500
1,4-Dioxane, ug/kg dw	<370	<380	<500
Ethyl methanesulfonate, ug/kg dw	<370	<380	<500
Fluoranthene, ug/kg dw	<370	<380	7600
Fluorene, ug/kg dw	<370	<380	840
Hexachlorobenzene, ug/kg dw	<370	<380	<500
Hexachlorobutadiene, ug/kg dw	<370	<380	<500
Hexachlorocyclopentadiene, ug/kg dw	<370	<380	<500
Hexachloroethane, ug/kg dw	<370	<380	<500
Hexachlorophene, ug/kg dw	<190000	<190000	<260000
Hexachloropropene, ug/kg dw	<370	<380	<500
Indeno(1,2,3-cd)pyrene, ug/kg dw	<370	<380	7900
Isophorone, ug/kg dw	<370	<380	<500
Isosafrole, ug/kg dw	<370	<380	<500
Kepone, ug/kg dw	<370	<380	<500
Methapyrilene, ug/kg dw	<3700	<3800	<5000
3-Methylcholanthrene, ug/kg dw	<1800	<380	<2500
Methyl methanesulfonate, ug/kg dw	<370	<380	<500
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1800	<1900	<2500
2-Methylnaphthalene, ug/kg dw	<370	<380	800
2-Methylphenol (o-cresol), ug/kg dw	<370	<380	<500
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<370	<380	<500
Naphthalene, ug/kg dw	<370	<380	30000

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
1,4-Naphthoquinone, ug/kg dw	<370	<380	<500
1-Naphthylamine, ug/kg dw	<370	<380	<500
2-Naphthylamine, ug/kg dw	<370	<380	<500
2-Nitroaniline, ug/kg dw	<1800	<1900	<2500
3-Nitroaniline, ug/kg dw	<1800	<1900	<2500
4-Nitroaniline, ug/kg dw	<1800	<1900	<2500
Nitrobenzene, ug/kg dw	<370	<380	<500
2-Nitrophenol, ug/kg dw	<370	<380	<500
4-Nitrophenol, ug/kg dw	<1800	<1900	<2500
4-Nitroquinoline 1-oxide, ug/kg dw	<3700	<3800	<5000
N-Nitrosodi-n-butylamine, ug/kg dw	<370	<380	<500
N-Nitrosodiethylamine, ug/kg dw	<370	<380	<500
N-Nitrosodimethylamine, ug/kg dw	<370	<380	<500
N-Nitrosomethylethylamine, ug/kg dw	<370	<380	<500
N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw	<370	<380	<500
n-Nitrosodi-n-propylamine, ug/kg dw	<370	<380	<500
N-Nitrosomorpholine, ug/kg dw	<370	<380	<500
N-Nitrosopiperidine, ug/kg dw	<370	<380	<500
N-Nitrosopyrrolidine, ug/kg dw	<370	<380	<500
5-Nitro-o-toluidine, ug/kg dw	<370	<380	<500
Pentachlorobenzene, ug/kg dw	<370	<380	<500
Pentachloronitrobenzene, ug/kg dw	<370	<380	<500
Pentachlorophenol, ug/kg dw	<1800	<1900	<2500
Phenacetin, ug/kg dw	<370	<380	<500

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Phenanthrene, ug/kg dw	<370	<380	2200
Phenol, ug/kg dw	<370	<380	<500
p-Phenylenediamine, ug/kg dw	<1800	<1900	<2500
2-Picoline, ug/kg dw	<370	<380	<500
Pronamide, ug/kg dw	<370	<380	<500
Pyrene, ug/kg dw	<370	<380	13000
Pyridine, ug/kg dw	<370	<380	<500
Safrole, ug/kg dw	<370	<380	<500
1,2,4,5-Tetrachlorobenzene, ug/kg dw	<370	<380	<500
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1800	<1900	<2500
o-Toluidine, ug/kg dw	<370	<380	<500
1,2,4-Trichlorobenzene, ug/kg dw	<370	<380	<500
2,4,5-Trichlorophenol, ug/kg dw	<370	<380	<500
2,4,6-Trichlorophenol, ug/kg dw	<370	<380	<500
o,o,o-Triethyl phosphorothioate, ug/kg dw	<370	<380	<500
1,3,5-Trinitrobenzene, ug/kg dw	<370	<380	<500
Surrogate-2-Fluorophenol	79 %	77 %	63 %
Surrogate-Phenol-d5	78 %	80 %	68 %
Surrogate-Nitrobenzene-d5	93 %	74 %	74 %
Surrogate-2-Fluorobiphenyl	96 %	86 %	79 %
Surrogate-2,4,6-Tribromophenol	86 %	104 %	102 %
Surrogate-4-Terphenyl-d14	95 %	169 %*F36	184 %*F36
Date Extracted	07.10.95	06.13.95	06.13.95
Date Analyzed	07.11.95	06.26.95	06.27.95
Batch ID	0710I	0613I	0613I

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Organochlorine Pesticides/PCB's (8080)			
Aldrin, ug/kg dw	<2.0	<1.9	<10*F65
alpha-BHC, ug/kg dw	<2.0	<1.9	<10*F65
beta-BHC, ug/kg dw	<2.0	<1.9	<10*F65
gamma-BHC, ug/kg dw	<2.0	<1.9	<10*F65
delta-BHC, ug/kg dw	<2.0	<1.9	<10*F65
alpha-Chlordane, ug/kg dw	<2.0	<1.9	<10*F65
gamma-Chlordane, ug/kg dw	<2.0	<1.9	<10*F65
Chlorobenzilate, ug/kg dw	<20	<19	<100*F65
p,p'-DDD, ug/kg dw	<4.0	<3.8	<19*F65
p,p'-DDE, ug/kg dw	<4.0	<3.8	<19*F65
p,p'-DDT, ug/kg dw	<4.0	<3.8	<19*F65
Dieldrin, ug/kg dw	<4.0	<3.8	<19*F65
Endosulfan I, ug/kg dw	<2.0	<1.9	<10*F65
Endosulfan II, ug/kg dw	<4.0	<3.8	<19*F65
Endosulfan sulfate, ug/kg dw	<4.0	<3.8	<10*F65
Endrin, ug/kg dw	<4.0	<3.8	<19*F65
Endrin Aldehyde, ug/kg dw	<4.0	<3.8	<19*F65
Heptachlor, ug/kg dw	<2.0	<1.9	<10*F65
Heptachlor epoxide, ug/kg dw	<2.0	<1.9	<10*F65
Isodrin, ug/kg dw	<2.0	<1.9	<10*F65
Methoxychlor, ug/kg dw	<20	<19	<100*F65
Toxaphene, ug/kg dw	<200	<190	<1000*F65
Aroclor-1016, ug/kg dw	<40	<38	<190*F65

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Aroclor-1221, ug/kg dw	<81	<76	<390*F65
Aroclor-1232, ug/kg dw	<40	<38	<190*F65
Aroclor-1242, ug/kg dw	<40	<38	<190*F65
Aroclor-1248, ug/kg dw	<40	<38	<190*F65
Aroclor-1254, ug/kg dw	<40	<38	<190*F65
Aroclor-1260, ug/kg dw	<40	<38	<190*F65
Surrogate - Dibutyl Chlorendate	43 %	79 %	85 %
Date Extracted	07.11.95	06.13.95	06.13.95
Date Analyzed	07.12.95	06.28.95	06.28.95
Batch ID	0711S	0613K	0613K
Organophosphorus Pesticides (8141)			
Dimethoate, ug/kg dw	<360	<380	<490
Disulfoton, ug/kg dw	<73	<75	<99
Ethyl Parathion, ug/kg dw	<36	<38	<49
Famphur, ug/kg dw	<73	<75	<99
Methyl Parathion, ug/kg dw	<19	<19	<25
Phorate, ug/kg dw	<36	<38	<49
Sulfotepp, ug/kg dw	<19	<19	<25
Thionazin, ug/kg dw	<36	<38	<49
Surrogate - Triphenylphosphate	73 %	60 %	124 %
Date Extracted	06.13.95	06.13.95	06.13.95
Date Analyzed	06.20.95	06.20.95	06.20.95
Batch ID	0613K	0613K	0613K

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Chlorinated Herbicides (8150)			
2,4-D, ug/kg dw	<9.1	<9.4	<12
2,4,5-T, ug/kg dw	<9.1	<9.4	<12
2,4,5-TP Silvex, ug/kg dw	<9.1	<9.4	<12
Surrogate - DCPA	44 %	79 %	83 %
Date Extracted	06.14.95	06.14.95	06.14.95
Date Analyzed	06.21.95	06.21.95	06.21.95
Batch ID	0614H	0614H	0614H
Chlorinated Dioxins/Furans-App 9 (8280)			
Tetra CDD, ug/kg	<0.58	<0.56	<2.8*F65
Tetra CDF, ug/kg	<0.58	<0.56	<2.8*F65
Penta CDD, ug/kg	<0.58	<0.56	<2.8*F65
Penta CDF, ug/kg	<0.58	<0.56	<2.8*F65
Hexa CDD, ug/kg	<0.58	<0.56	<2.8*F65
Hexa CDF, ug/kg	<0.58	<0.56	<2.8*F65
Dioxin-2,3,7,8-TCDD , ug/kg	<0.58	<0.56	<2.8*F65
Internal Standard (TCDD)	78 %	77 %	34 %*F36
Date Extracted	06.14.95	06.14.95	06.14.95
Date Analyzed	06.19.95	06.19.95	06.28.95
Batch ID	0614C	0614C	0614C

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Metals by ICP (6010)			
Antimony, mg/kg dw	<5.0	<5.0	<5.0
Arsenic, mg/kg dw	15	34	12
Barium, mg/kg dw	47	200	200
Beryllium, mg/kg dw	1.1	6.8	<2.0*F65
Cadmium, mg/kg dw	<0.50	<5.0*F65	<2.5*F65
Chromium, mg/kg dw	46	50	18
Cobalt, mg/kg dw	12	33	100
Copper, mg/kg dw	18	14	3200
Lead, mg/kg dw	15	74	110
Nickel, mg/kg dw	11	6.0	9.1
Selenium, mg/kg dw	<1.0	<1.0	7.2
Silver, mg/kg dw	<1.0	<1.0	<50*F65
Thallium, mg/kg dw	<1.0	<1.0	<5.0*F65
Tin, mg/kg dw	<5.0	<5.0	<25*F65
Vanadium, mg/kg dw	44	95	27
Zinc, mg/kg dw	100	130	1800
Prep or Extraction Date	06.15.95	06.15.95	06.15.95
Date Analyzed	06.16.95	06.16.95	06.16.95
Batch ID	0615C	0615C	0615C
Mercury (7470/7471)			
Mercury, mg/kg dw	0.033	0.033	0.11
Prep or Extraction Date	06.19.95	06.19.95	06.19.95
Date Analyzed	06.19.95	06.19.95	06.19.95
Batch ID	0619R	0619R	0619R

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
11690-16	950608-FW-00-SD0001	06-08-95
11690-17	950608-FW-00-SD9001	06-08-95
11690-18	950609-FW-00-SD0005	06-09-95

PARAMETER	11690-16	11690-17	11690-18
Cyanide (9012)			
Cyanide, mg/kg dw	1.7	<1.1	51
Date Analyzed	06.14.95	06.14.95	06.13.95
Batch ID	0613K	0613K	0613K
ulfide (9030)			
Sulfide, mg/kg dw	<12	<11	27
Date Analyzed	06.14.95	06.14.95	06.14.95
Batch ID	0613A	0613A	0613A
Percent Solids, %	85 %	88 %	67 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Volatile Organic Compounds (8240)					
Acetone, ug/l	<10	10	---	---	---
Acetonitrile, ug/l	<200	200	---	---	---
Acrolein, ug/l	<20	20	---	---	---
Acrylonitrile, ug/l	<20	20	---	---	---
Allylchloride (3-Chloropropene), ug/l	<1.0	1.0	---	---	---
Benzene, ug/l	<1.0	1.0	10.0	9.66	10.0
Bromodichloromethane, ug/l	<1.0	1.0	---	---	---
Bromoform, ug/l	<1.0	1.0	---	---	---
Bromomethane, ug/l	<2.0	2.0	---	---	---
2-Butanone (MEK), ug/l	<10	10	---	---	---
Carbon disulfide, ug/l	<1.0	1.0	---	---	---
Carbon tetrachloride, ug/l	<1.0	1.0	---	---	---
Chlorobenzene, ug/l	<1.0	1.0	9.77	9.52	10.0
Chloroethane, ug/l	<1.0	1.0	---	---	---
Chloroform, ug/l	<1.0	1.0	---	---	---
Chloromethane, ug/l	<1.0	1.0	---	---	---
Chloroprene, ug/l	<1.0	1.0	---	---	---
Dibromochloromethane, ug/l	<1.0	1.0	---	---	---
1,2-Dibromoethane (EDB) , ug/l	<1.0	1.0	---	---	---
Dibromomethane, ug/l	<1.0	1.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
1,2-Dibromo-3-chloropropane, ug/l	<2.0	.0	---	---	---
trans-1,4-Dichloro-2-butene, ug/l	<2.0	.0	---	---	---
Dichlorodifluoromethane, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethane, ug/l	<1.0	1.0	---	---	---
1,2-Dichloroethane, ug/l	<1.0	1.0	---	---	---
trans-1,2-Dichloroethene, ug/l	<1.0	1.0	---	---	---
1,1-Dichloroethene, ug/l	<1.0	1.0	12.8	13.3	10.0
1,2-Dichloropropane, ug/l	<1.0	1.0	---	---	---
cis-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
trans-1,3-Dichloropropene, ug/l	<1.0	1.0	---	---	---
Ethylbenzene, ug/l	<1.0	1.0	---	---	---
Ethyl methacrylate, ug/l	<1.0	1.0	---	---	---
2-Hexanone, ug/l	<10	10	---	---	---
Iodomethane, ug/l	<1.0	1.0	---	---	---
Isobutanol, ug/l	<200	200	---	---	---
Methacrylonitrile, ug/l	<20	20	---	---	---
Methylene chloride (Dichloromethane), ug/l	<1.0	1.0	---	---	---
Methyl methacrylate, ug/l	<1.0	1.0	---	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<10	10	---	---	---
Pentachloroethane, ug/l	<5.0	5.0	---	---	---
Propionitrile, ug/l	<20	20	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Styrene, ug/l	<1.0	1.0	---	---	---
1,1,1,2-Tetrachloroethane, ug/l	<1.0	1.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	<1.0	1.0	---	---	---
Tetrachloroethene, ug/l	<1.0	1.0	---	---	---
Toluene, ug/l	<1.0	1.0	9.92	9.73	10.0
1,1,1-Trichloroethane, ug/l	<1.0	1.0	---	---	---
1,1,2-Trichloroethane, ug/l	<1.0	1.0	---	---	---
Trichloroethene, ug/l	<1.0	1.0	10.6	10.3	10.0
Trichlorofluoromethane, ug/l	<1.0	1.0	---	---	---
1,2,3-Trichloropropane, ug/l	<1.0	1.0	---	---	---
Vinyl acetate, ug/l	<2.0	2.0	---	---	---
Vinyl chloride, ug/l	<1.0	1.0	---	---	---
Xylenes, ug/l	<1.0	1.0	---	---	---
Surrogate - Dibromofluoromethane	90 %	---	117 %	112 %	---
Surrogate - Toluene-d8	104 %	---	110 %	104 %	---
Surrogate - 4-Bromofluorobenzene	115 %	---	122 %	111 %	---
Date Analyzed	06.13.95	---	06.13.95	06.13.95	---
Batch ID	0612A	---	0612A	0612A	---
Clock ID	1H0613	---	1H0613	1H0613	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Semivolatile Organics (8270)					
Acenaphthene, ug/l	<10	10	90.8	84.1	100
Acenaphthylene, ug/l	<10	10	---	---	---
Acetophenone, ug/l	<10	10	---	---	---
2-Acetylaminofluorene, ug/l	<10	10	---	---	---
4-Aminobiphenyl, ug/l	<10	10	---	---	---
Aniline, ug/l	<10	10	---	---	---
Anthracene, ug/l	<10	10	---	---	---
Aramite, ug/l	<10	10	---	---	---
Benzo(a)anthracene, ug/l	<10	10	---	---	---
Benzo(b)fluoranthene, ug/l	<10	10	---	---	---
Benzo(k)fluoranthene, ug/l	<10	10	---	---	---
Benzo(g,h,i)perylene, ug/l	<10	10	---	---	---
Benzo(a)pyrene, ug/l	<10	10	---	---	---
Benzyl alcohol, ug/l	<10	10	---	---	---
bis(2-Chloroethoxy)methane, ug/l	<10	10	---	---	---
bis(2-Chloroethyl)ether, ug/l	<10	10	---	---	---
bis(2-Chloroisopropyl)ether, ug/l	<10	10	---	---	---
bis(2-Ethylhexyl)phthalate, ug/l	<10	10	---	---	---
4-Bromophenyl phenyl ether, ug/l	<10	10	---	---	---
Butylbenzylphthalate, ug/l	<10	10	---	---	---
(Dinoseb) 2-sec-Butyl-4,6-dinitropheno 1, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
p-Chloroaniline, ug/l	<20	20	---	---	---
4-Chloro-3-methylphenol, ug/l	<10	10	183	170	200
2-Chloronaphthalene, ug/l	<10	10	---	---	---
2-Chlorophenol, ug/l	<10	10	156	138	200
4-Chlorophenylphenyl ether, ug/l	<10	10	---	---	---
Chrysene, ug/l	<10	10	---	---	---
Diallate, ug/l	<10	10	---	---	---
Dibenz(a,h)anthracene, ug/l	<10	10	---	---	---
Dibenzofuran, ug/l	<10	10	---	---	---
Di-n-butylphthalate, ug/l	<10	10	---	---	---
1,2-Dichlorobenzene, ug/l	<10	10	---	---	---
1,3-Dichlorobenzene, ug/l	<10	10	---	---	---
1,4-Dichlorobenzene, ug/l	<10	10	61.8	55.6	100
3,3'-Dichlorobenzidine, ug/l	<20	20	---	---	---
2,4-Dichlorophenol, ug/l	<10	10	---	---	---
2,6-Dichlorophenol, ug/l	<10	10	---	---	---
Diethylphthalate, ug/l	<10	10	---	---	---
p-(Dimethylamino)azobenzene, ug/l	<10	10	---	---	---
7,12-Dimethylbenz(a)anthracene, ug/l	<10	10	---	---	---
3,3'-Dimethylbenzidine, ug/l	<200	200	---	---	---
a-a-Dimethylphenethylamine, ug/l	<2000	2000	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
2,4-Dimethylphenol, ug/l	<10	10	---	---	---
Dimethylphthalate, ug/l	<10	10	---	---	---
n-Dinitrobenzene , ug/l	<10	10	---	---	---
2,4-Dinitrophenol, ug/l	<50	50	---	---	---
2,4-Dinitrotoluene, ug/l	<10	10	96.7	94.2	100
2,6-Dinitrotoluene, ug/l	<10	10	---	---	---
Di-n-octylphthalate, ug/l	<10	10	---	---	---
1,4-Dioxane, ug/l	<10	10	---	---	---
Ethyl methanesulfonate, ug/l	<10	10	---	---	---
Fluoranthene, ug/l	<10	10	---	---	---
Fluorene, ug/l	<10	10	---	---	---
Hexachlorobenzene, ug/l	<10	10	---	---	---
Hexachlorobutadiene, ug/l	<10	10	---	---	---
Hexachlorocyclopentadiene, ug/l	<10	10	---	---	---
Hexachloroethane, ug/l	<10	10	---	---	---
Hexachlorophene, ug/l	<5000	5000	---	---	---
Hexachloropropene, ug/l	<10	10	---	---	---
Indeno(1,2,3-cd)pyrene, ug/l	<10	10	---	---	---
Isophorone, ug/l	<10	10	---	---	---
Isosafrole, ug/l	<10	10	---	---	---
Kepone, ug/l	<10	10	---	---	---
Methapyrilene, ug/l	<2000	2000	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
3-Methylcholanthrene, ug/l	<10	10	---	---	---
Methyl methanesulfonate, ug/l	<10	10	---	---	---
2-Methyl-4,6-dinitrophenol, ug/l	<50	50	---	---	---
2-Methylnaphthalene, ug/l	<10	10	---	---	---
2-Methylphenol (o-cresol), ug/l	<10	10	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/l	<10	10	---	---	---
Naphthalene, ug/l	<10	10	---	---	---
1,4-Naphthoquinone, ug/l	<10	10	---	---	---
1-Naphthylamine, ug/l	<10	10	---	---	---
2-Naphthylamine, ug/l	<10	10	---	---	---
2-Nitroaniline, ug/l	<50	50	---	---	---
3-Nitroaniline, ug/l	<50	50	---	---	---
4-Nitroaniline, ug/l	<50	50	---	---	---
Nitrobenzene, ug/l	<10	10	---	---	---
2-Nitrophenol, ug/l	<10	10	---	---	---
4-Nitrophenol, ug/l	<50	50	190	189	200
4-Nitroquinoline 1-oxide, ug/l	<100	100	---	---	---
N-Nitrosodi-n-butylamine, ug/l	<10	10	---	---	---
N-Nitrosodiethylamine, ug/l	<10	10	---	---	---
N-Nitrosodimethylamine, ug/l	<10	10	---	---	---
N-Nitrosomethylethylamine, ug/l	<10	10	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
N-Nitrosodiphenylamine/Diphenylamine, ug/l	<10	10	---	---	---
n-Nitrosodi-n-propylamine, ug/l	<10	10	72.9	67.8	100
N-Nitrosomorpholine, ug/l	<10	10	---	---	---
N-Nitrosopiperidine, ug/l	<10	10	---	---	---
N-Nitrosopyrrolidine, ug/l	<10	10	---	---	---
5-Nitro-o-toluidine, ug/l	<10	10	---	---	---
Pentachlorobenzene, ug/l	<10	10	---	---	---
Pentachloronitrobenzene, ug/l	<10	10	---	---	---
Pentachlorophenol, ug/l	<50	50	193	194	200
Phenacetin, ug/l	<10	10	---	---	---
Phenanthrene, ug/l	<10	10	---	---	---
Phenol, ug/l	<10	10	149	136	200
p-Phenylenediamine, ug/l	<2000	2000	---	---	---
2-Picoline, ug/l	<200	200	---	---	---
Pronamide, ug/l	<10	10	---	---	---
Pyrene, ug/l	<10	10	94.0	91.1	100
Pyridine, ug/l	<200	200	---	---	---
Safrole, ug/l	<10	10	---	---	---
1,2,4,5-Tetrachlorobenzene, ug/l	<10	10	---	---	---
2,3,4,6-Tetrachlorophenol, ug/l	<50	50	---	---	---
o-Toluidine, ug/l	<10	10	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
1,2,4-Trichlorobenzene, ug/l	<10	10	66.9	65.5	100
2,4,5-Trichlorophenol, ug/l	<10	10	---	---	---
2,4,6-Trichlorophenol, ug/l	<10	10	---	---	---
o,o,o-Triethyl phosphorothioate, ug/l	<10	10	---	---	---
1,3,5-Trinitrobenzene, ug/l	<200	200		---	---
Surrogate-2-Fluorophenol	56 %	---	68 %	64 %	---
Surrogate-Phenol-d5	79 %	---	88 %	82 %	---
Surrogate-Nitrobenzene-d5	85 %	---	87 %	83 %	---
Surrogate-2-Fluorobiphenyl	74 %	---	87 %	81 %	---
Surrogate-2,4,6-Tribromophenol	93 %	---	118 %	110 %	---
Surrogate-4-Terphenyl-d14	96 %	---	100 %	94 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.28.95	---	06.23.95	06.23.95	---
Batch ID	0613A	---	0613A	0613A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Organochlorine Pesticides/PCB's (8080)					
Aldrin, ug/l	<0.010	0.010	0.0398	0.0344	0.0500
alpha-BHC, ug/l	<0.010	0.010	---	---	---
beta-BHC, ug/l	<0.010	0.010	---	---	---
gamma-BHC, ug/l	<0.010	0.010	0.0418	0.0363	0.0500
delta-BHC, ug/l	<0.010	0.010	---	---	---
alpha-Chlordane, ug/l	<0.010	0.010	---	---	---
gamma-Chlordane, ug/l	<0.010	0.010	---	---	---
Chlorobenzilate, ug/l	<0.50	0.50	---	---	---
p,p'-DDD, ug/l	<0.020	0.020	---	---	---
p,p'-DDE, ug/l	<0.020	0.020	---	---	---
p,p'-DDT, ug/l	<0.050	0.050	0.126	0.111	0.125
Dieldrin, ug/l	<0.020	0.020	0.121	0.116	0.125
Endosulfan I, ug/l	<0.020	0.020	---	---	---
Endosulfan II, ug/l	<0.050	0.050	---	---	---
Endosulfan sulfate, ug/l	<0.050	0.050	---	---	---
Endrin, ug/l	<0.020	0.020	0.124	0.120	0.125
Endrin Aldehyde, ug/l	<0.020	0.020	---	---	---
Heptachlor, ug/l	<0.010	0.010	0.0388	0.0340	0.0500
Heptachlor epoxide, ug/l	<0.020	0.020	---	---	---
Isodrin, ug/l	<0.050	0.050	---	---	---
Methoxychlor, ug/l	<0.50	0.50	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Toxaphene, ug/l	<1.0	1.0	---	---	---
Aroclor-1016, ug/l	<0.50	0.50	---	---	---
Aroclor-1221, ug/l	<0.50	0.50	---	---	---
Aroclor-1232, ug/l	<0.50	0.50	---	---	---
Aroclor-1242, ug/l	<0.50	0.50	---	---	---
Aroclor-1248, ug/l	<0.50	0.50	---	---	---
Aroclor-1254, ug/l	<0.50	0.50	---	---	---
Aroclor-1260, ug/l	<0.50	0.50	---	---	---
Surrogate - Dibutyl Chlorendate	104 %	---	96 %	92 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.24.95	---	06.24.95	06.24.95	---
Batch ID	0613B	---	0613B	0613B	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Organophosphorus Pesticides (8141)					
Dimethoate, ug/l	<10	10	---	---	---
Disulfoton, ug/l	<2.0	2.0	---	---	---
Ethyl Parathion, ug/l	<1.0	1.0	0.759	0.831	1.25
Famphur, ug/l	<2.0	2.0	---	---	---
Methyl Parathion, ug/l	<0.50	0.50	1.08	1.13	1.25
Phorate, ug/l	<1.0	1.0	---	---	---
Sulfotepp, ug/l	<0.50	0.50	1.05	1.11	1.25
Thionazin, ug/l	<1.0	1.0	---	---	---
Surrogate - Triphenylphosphate	91 %	---	99 %	97 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.24.95	---	06.24.95	06.24.95	---
Batch ID	0613B	---	0613B	0613B	---
Chlorinated Herbicides (8150)					
2,4-D, ug/l	<0.50	0.50	1.16	1.03	1.50
2,4,5-T, ug/l	<0.50	0.50	0.124	0.123	0.150
2,4,5-TP Silvex, ug/l	<0.50	0.50	0.116	0.114	0.150
Surrogate - DCPA	69 %	---	97 %	69 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.16.95	---	06.16.95	06.16.95	---
Batch ID	0613P	---	0613P	0613P	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Chlorinated Dioxins/Furans-App 9 (8280)					
Tetra CDD, ug/l	<0.0050	0.0050	0.026	0.025	0.025
Tetra CDF, ug/l	<0.0050	0.0050	0.025	0.026	0.025
Penta CDD, ug/l	<0.0050	0.0050	0.028	0.028	0.025
Penta CDF, ug/l	<0.0050	0.0050	0.030	0.029	0.025
Hexa CDD, ug/l	<0.0050	0.0050	0.026	0.024	0.025
Hexa CDF, ug/l	<0.0050	0.0050	0.029	0.029	0.025
Dioxin-2,3,7,8-TCDD , ug/l	<0.0050	0.0050	0.026	0.025	0.025
Internal Standard (TCDD)	65 %	---	75 %	73 %	---
Date Extracted	06.14.95	---	06.14.95	06.14.95	---
Date Analyzed	06.20.95	---	06.20.95	06.20.95	---
Batch ID	0614D	---	0614D	0614D	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Metals by ICP (6010)					
Antimony, mg/l	<0.050	0.050	0.990	0.978	1.00
Arsenic, mg/l	<0.010	0.010	1.03	0.991	1.00
Barium, mg/l	<0.010	0.010	1.02	1.01	1.00
Beryllium, mg/l	<0.0040	0.0040	1.00	0.990	1.00
Cadmium, mg/l	<0.0050	0.0050	0.989	0.977	1.00
Chromium, mg/l	<0.010	0.010	1.02	0.973	1.00
Cobalt, mg/l	<0.010	0.010	0.984	1.01	1.00
Copper, mg/l	<0.025	0.025	1.02	1.01	1.00
Lead, mg/l	<0.0050	0.0050	1.00	0.986	1.00
Nickel, mg/l	<0.040	0.040	1.00	0.992	1.00
Selenium, mg/l	<0.010	0.010	0.957	0.937	1.00
Silver, mg/l	<0.010	0.010	1.03	1.02	1.00
Thallium, mg/l	<0.010	0.010	0.966	0.960	1.00
Tin, mg/l	<0.050	0.050	1.10	1.11	1.00
Vanadium, mg/l	<0.010	0.010	0.987	0.976	1.00
Zinc, mg/l	<0.020	0.020	0.981	0.969	1.00
Prep or Extraction Date	06.14.95	---	06.14.95	06.14.95	---
Date Analyzed	06.15.95	---	06.15.95	06.15.95	---
Batch ID	0614I	---	0614I	0614I	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-19	Method Blank Result
11690-20	Reporting Limit
11690-21	Lab Control Standard Result
11690-22	LCS Duplicate Result
11690-23	LCS Expected Value

PARAMETER	11690-19	11690-20	11690-21	11690-22	11690-23
Mercury (7470/7471)					
Mercury, mg/l	<0.00020	0.00020	0.00112	0.00111	0.00100
Prep or Extraction Date	06.16.95	---	06.16.95	06.16.95	---
Date Analyzed	06.16.95	---	06.16.95	06.16.95	---
Batch ID	0616T	---	0616T	0616T	---
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.010	0.109	0.113	0.116
Date Analyzed	06.12.95	---	06.12.95	06.12.95	---
Batch ID	0612A	---	0612A	0612A	---
Sulfide (9030)					
Sulfide, mg/l	<0.40	0.40	1.38	1.31	1.50
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---
Batch ID	0613A	---	0613A	0613A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-24	LCS/LCSD % Recovery
11690-25	Accuracy Control Limits
11690-26	Precision (% RPD) of LCS/LCSD
11690-27	Precision Control Limit

PARAMETER	11690-24	11690-25	11690-26	11690-27
Volatile Organic Compounds (8240)				
Benzene, %	100/97 %	26-155 %	3.1 %	<16 %
Chlorobenzene, %	98/95 %	52-150 %	3.1 %	<16 %
1,1-Dichloroethene, %	128/133 %	26-155 %	3.8 %	<16 %
Toluene, %	99/97 %	62-141 %	2.0 %	<24 %
Trichloroethene, %	106/103 %	64-131 %	2.9 %	<24 %
Surrogate - Dibromofluoromethane	---	86-118 %	---	---
Surrogate - Toluene-d8	---	77-120 %	---	---
Surrogate - 4-Bromofluorobenzene	---	80-125 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-24	LCS/LCSD % Recovery
11690-25	Accuracy Control Limits
11690-26	Precision (% RPD) of LCS/LCSD
11690-27	Precision Control Limit

PARAMETER	11690-24	11690-25	11690-26	11690-27
Semivolatile Organics (8270)				
Acenaphthene, %	91/84 %	60-122 %	8.0 %	<25 %
4-Chloro-3-methylphenol, %	92/85 %	56-118 %	7.9 %	<20 %
2-Chlorophenol, %	78/69 %	54-107 %	12 %	<26 %
1,4-Dichlorobenzene, %	62/56 %	47-103 %	10 %	<45 %
2,4-Dinitrotoluene, %	97/94 %	42-166 %	3.1 %	<33 %
4-Nitrophenol, %	95/94 %	17-153 %	1.1 %	<33 %
n-Nitrosodi-n-propylamine, %	73/68 %	40-145 %	7.1 %	<39 %
Pentachlorophenol, %	96/97 %	16-138 %	1.0 %	<33 %
Phenol, %	74/68 %	40-113 %	8.4 %	<31 %
Pyrene, %	94/91 %	46-168 %	3.2 %	<36 %
1,2,4-Trichlorobenzene, %	67/66 %	48-111 %	1.5 %	<31 %
Surrogate-2-Fluorophenol	---	10-104 %	---	---
Surrogate-Phenol-d5	---	10-106 %	---	---
Surrogate-Nitrobenzene-d5	---	32-117 %	---	---
Surrogate-2-Fluorobiphenyl	---	31-118 %	---	---
Surrogate-2,4,6-Tribromophenol	---	41-143 %	---	---
Surrogate-4-Terphenyl-d14	---	33-141 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-24	LCS/LCSD % Recovery
11690-25	Accuracy Control Limits
11690-26	Precision (% RPD) of LCS/LCSD
11690-27	Precision Control Limit

PARAMETER	11690-24	11690-25	11690-26	11690-27
Organochlorine Pesticides/PCB's (8080)				
Aldrin, %	80/69 %	32-135 %	15 %	<37 %
gamma-BHC, %	84/73 %	29-155 %	14 %	<25 %
p,p'-DDT, %	101/89 %	40-148 %	13 %	<22 %
Dieldrin, %	97/93 %	54-138 %	4.2 %	<18 %
Endrin, %	99/96 %	17-167 %	3.1 %	<87 %
Heptachlor, %	78/68 %	34-133 %	14 %	<24 %
Surrogate - Dibutyl Chlorendate	---	28-151 %	---	---
Organophosphorus Pesticides (8141)				
Ethyl Parathion, %	61/66 %	18-171 %	7.9 %	<28 %
Methyl Parathion, %	86/90 %	40-140 %	4.5 %	<40 %
Sulfotepp, %	84/89 %	10-241 %	5.8 %	<40 %
Surrogate - Triphenylphosphate	---	40-125 %	---	---
Chlorinated Herbicides (8150)				
2,4-D, %	77/69 %	10-262 %	11 %	<77 %
2,4,5-T, %	83/82 %	10-218 %	1.2 %	<90 %
2,4,5-TP Silvex, %	77/76 %	10-201 %	1.3 %	<94 %
Surrogate - DCPA	---	10-135 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-24	LCS/LCSD % Recovery
11690-25	Accuracy Control Limits
11690-26	Precision (% RPD) of LCS/LCSD
11690-27	Precision Control Limit

PARAMETER	11690-24	11690-25	11690-26	11690-27
Chlorinated Dioxins/Furans-App 9 (8280)				
Tetra CDD, %	104/100 %	63-137 %	3.9 %	<40 %
Tetra CDF, %	100/104 %	60-142 %	3.9 %	<40 %
Penta CDD, %	112/112 %	37-163 %	0 %	<40 %
Penta CDF, %	120/116 %	52-148 %	3.4 %	<40 %
Hexa CDD, %	104/96 %	42-158 %	8.0 %	<40 %
Hexa CDF, %	116/116 %	58-142 %	0 %	<40 %
Dioxin-2,3,7,8-TCDD , %	104/100 %	63-137 %	3.9 %	<40 %
Internal Standard (TCDD)	---	40-120 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-24	LCS/LCSD % Recovery
11690-25	Accuracy Control Limits
11690-26	Precision (% RPD) of LCS/LCSD
11690-27	Precision Control Limit

PARAMETER	11690-24	11690-25	11690-26	11690-27
Metals by ICP (6010)				
Antimony, %	99/98 %	75-125 %	1.0 %	<20 %
Arsenic, %	103/99 %	75-125 %	4.0 %	<20 %
Barium, %	102/101 %	75-125 %	0.99 %	<20 %
Beryllium, %	100/99 %	75-125 %	1.0 %	<20 %
Cadmium, %	99/98 %	75-125 %	1.0 %	<20 %
Chromium, %	102/97 %	75-125 %	5.0 %	<20 %
Cobalt, %	98/101 %	75-125 %	3.0 %	<20 %
Copper, %	102/101 %	75-125 %	0.99 %	<20 %
Lead, %	100/99 %	75-125 %	1.0 %	<20 %
Nickel, %	100/99 %	75-125 %	1.0 %	<20 %
Selenium, %	96/94 %	75-125 %	2.1 %	<20 %
Silver, %	103/102 %	75-125 %	0.98 %	<20 %
Thallium, %	97/96 %	75-125 %	1.0 %	<20 %
Tin, %	110/111 %	75-125 %	0.90 %	<20 %
Vanadium, %	99/98 %	75-125 %	1.0 %	<20 %
Zinc, %	98/97 %	75-125 %	1.0 %	<20 %
Mercury (7470/7471)				
Mercury, %	112/111 %	79/129 %	0.89 %	<20 %
Cyanide (9012)				
Cyanide, %	94/97 %	85-115 %	3.1 %	<30 %
Sulfide (9030)				
Sulfide, %	92/87 %	50-150 %	5.6 %	<50 %

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Volatile Organic Compounds (8240)					
Benzene, ug/l	8.61	9.64	10.0	86/96 %	69-132 %
Chlorobenzene, ug/l	8.48	9.68	10.0	85/97 %	52-150 %
1,1-Dichloroethene, ug/l	8.78	9.23	10.0	88/92 %	26-155 %
Toluene, ug/l	8.66	9.85	10.0	87/98 %	62-141 %
Trichloroethene, ug/l	9.38	10.7	10.0	94/107 %	64-131 %
Surrogate - Dibromofluoromethane	102 %	92 %	---	---	86-118 %
Surrogate - Toluene-d8	98 %	92 %	---	---	77-120 %
Surrogate - 4-Bromofluorobenzene	104 %	96 %	---	---	80-125 %
Date Analyzed	06.15.95	06.15.95	---	---	---
Batch ID	0612A	0612A	---	---	---
Clock ID	1H0615	1H0615	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Semivolatile Organics (8270)					
Acenaphthene, ug/l	80.5	89.4	100	80/89 %	60-122 %
4-Chloro-3-methylphenol, ug/l	165	167	200	82/84 %	56-118 %
2-Chlorophenol, ug/l	133	137	200	66/68 %	54-107 %
1,4-Dichlorobenzene, ug/l	59.8	63.6	100	60/64 %	47-103 %
2,4-Dinitrotoluene, ug/l	94.7	97.2	100	95/97 %	42-166 %
4-Nitrophenol, ug/l	176	179	200	88/90 %	17-153 %
n-Nitrosodi-n-propylamine, ug/l	64.0	64.2	100	64/64 %	40-145 %
Pentachlorophenol, ug/l	188	192	200	94/96 %	16-138 %
Phenol, ug/l	125	130	200	62/65 %	40-113 %
Pyrene, ug/l	80.7	87.5	100	81/88 %	46-168 %
1,2,4-Trichlorobenzene, ug/l	67.2	69.8	100	67/70 %	48-111 %
Surrogate-2-Fluorophenol	59 %	61 %	---	---	10-104 %
Surrogate-Phenol-d5	77 %	77 %	---	---	10-106 %
Surrogate-Nitrobenzene-d5	80 %	82 %	---	---	32-117 %
Surrogate-2-Fluorobiphenyl	84 %	91 %	---	---	31-118 %
Surrogate-2,4,6-Tribromophenol	120 %	125 %	---	---	41-143 %
Surrogate-4-Terphenyl-d14	87 %	91 %	---	---	33-141 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.24.95	06.24.95	---	---	---
Batch ID	0613A	0613A	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Organochlorine Pesticides/PCB's (8080)					
Aldrin, ug/l	0.0378	0.0431	0.0510	74/84 %	32-135 %
gamma-BHC, ug/l	0.0418	0.0448	0.0510	82/88 %	29-155 %
p,p'-DDT, ug/l	0.120	0.116	0.128	94/91 %	40-148 %
Dieldrin, ug/l	0.111	0.115	0.128	87/90 %	54-138 %
Endrin, ug/l	0.119	0.122	0.128	93/95 %	17-167 %
Heptachlor, ug/l	0.0374	0.0400	0.0510	73/78 %	34-133 %
Surrogate - Dibutyl Chlorendate	65 %	74 %	---	---	28-151 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.24.95	06.24.95	---	---	---
Batch ID	0613B	0613B	---	---	---
Organophosphorus Pesticides (8141)					
Ethyl Parathion, ug/l	0.947	0.714	1.39/1.28	68/56 %	18-171 %
Methyl Parathion, ug/l	1.31	1.00	1.39/1.28	94/78 %	40-140 %
Sulfotepp, ug/l	1.22	0.801	1.39/1.28	88/63 %	10-241 %
Surrogate - Triphenylphosphate	121 %	110 %	---	---	40-125 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.24.95	06.24.95	---	---	---
Batch ID	0613B	0613B	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Chlorinated Herbicides (8150)					
2,4-D, ug/l	1.65	1.54	1.50	110/103 %	10-262 %
2,4,5-T, ug/l	0.155	0.156	0.150	103/104 %	10-218 %
2,4,5-TP Silvex, ug/l	0.109	0.139	0.150	73/93 %	10-201 %
Surrogate - DCPA	88 %	135 %	---	---	10-135 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.16.95	06.16.95	---	---	---
Batch ID	0613P	0613P	---	---	---
Chlorinated Dioxins/Furans-App 9 (8280)					
Tetra CDD, ug/l	0.026	0.026	0.025	104/104 %	63-137 %
Tetra CDF, ug/l	0.026	0.026	0.025	104/104 %	60-142 %
Penta CDD, ug/l	0.027	0.027	0.025	112/108 %	37-163 %
Penta CDF, ug/l	0.030	0.030	0.025	120/120 %	52-148 %
Hexa CDD, ug/l	0.026	0.025	0.025	104/100 %	42-158 %
Hexa CDF, ug/l	0.029	0.029	0.025	116/116 %	58-142 %
Dioxin-2,3,7,8-TCDD , ug/l	0.026	0.026	0.025	104/104 %	63-137 %
Internal Standard (TCDD)	70 %	72 %	---	---	40-120 %
Date Extracted	06.14.95	06.14.95	---	---	---
Date Analyzed	06.20.95	06.20.95	---	---	---
Batch ID	0614D	0614D	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Metals by ICP (6010)					
Antimony, mg/l	1.03	1.02	1.00	103/102 %	80-120 %
Arsenic, mg/l	1.05	1.04	1.00	105/104 %	80-120 %
Barium, mg/l	1.02	1.05	1.00	102/105 %	80-120 %
Beryllium, mg/l	1.04	1.03	1.00	104/103 %	80-120 %
Cadmium, mg/l	1.00	0.992	1.00	100/99 %	80-120 %
Chromium, mg/l	1.04	1.03	1.00	104/103 %	80-120 %
Cobalt, mg/l	0.979	0.968	1.00	98/97 %	80-120 %
Copper, mg/l	1.04	1.03	1.00	104/103 %	80-120 %
Lead, mg/l	1.01	0.994	1.00	101/99 %	80-120 %
Nickel, mg/l	1.01	0.997	1.00	101/100 %	80-120 %
Selenium, mg/l	0.989	0.971	1.00	99/97 %	80-120 %
Silver, mg/l	1.02	1.05	1.00	102/105 %	80-120 %
Thallium, mg/l	0.989	0.981	1.00	99/98 %	80-120 %
Tin, mg/l	1.08	1.11	1.00	108/111 %	80-120 %
Vanadium, mg/l	1.02	1.01	1.00	102/101 %	80-120 %
Zinc, mg/l	0.967	0.955	1.00	97/96 %	80-120 %
Prep or Extraction Date	06.14.95	06.14.95	---	---	---
Date Analyzed	06.15.95	06.15.95	---	---	---
Batch ID	0614I	0614I	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-28	Matrix Spike Result (950608-FW-00-SW0001)
11690-29	MS Duplicate Result (950608-FW-00-SW0001)
11690-30	MS Expected Value
11690-31	MS/MSD % Recovery
11690-32	Accuracy Control Limits

PARAMETER	11690-28	11690-29	11690-30	11690-31	11690-32
Mercury (7470/7471)					
Mercury, mg/l	0.00101	0.00106	0.00100	101/106 %	75-125 %
Prep or Extraction Date	06.16.95	06.16.95	---	---	---
Date Analyzed	06.16.95	06.16.95	---	---	---
Batch ID	0616T	0616T	---	---	---
Cyanide (9012)					
Cyanide, mg/l	0.210	0.210	0.200	105/105 %	75-125 %
Date Analyzed	06.12.95	06.12.95	---	---	---
Batch ID	0612A	0612A	---	---	---
Sulfide (9030)					
Sulfide, mg/l	1.76	2.08	1.50	117/139 %	50-150 %
Date Analyzed	06.14.95	06.14.95	---	---	---
Batch ID	0613A	0613A	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-33	Precision (% RPD) of MS/MSD
11690-34	Precision Control Limit

PARAMETER	11690-33	11690-34
Volatile Organic Compounds (8240)		
Benzene, %	11 %	<35 %
Chlorobenzene, %	13 %	<16 %
1,1-Dichloroethene, %	4.4 %	<16 %
Toluene, %	12 %	<24 %
Trichloroethene, %	13 %	<24 %
Semivolatile Organics (8270)		
Acenaphthene, %	11 %	<25 %
4-Chloro-3-methylphenol, %	2.4 %	<20 %
2-Chlorophenol, %	3.0 %	<26 %
1,4-Dichlorobenzene, %	6.4 %	<45 %
2,4-Dinitrotoluene, %	2.1 %	<33 %
4-Nitrophenol, %	2.2 %	<33 %
n-Nitrosodi-n-propylamine, %	0 %	<39 %
Pentachlorophenol, %	2.1 %	<33 %
Phenol, %	4.7 %	<31 %
Pyrene, %	8.3 %	<36 %
1,2,4-Trichlorobenzene, %	4.4 %	<31 %
Organochlorine Pesticides/PCB's (8080)		
Aldrin, %	13 %	<37 %
gamma-BHC, %	7.1 %	<25 %
p,p'-DDT, %	3.2 %	<22 %
Dieldrin, %	3.4 %	<18 %
Endrin, %	2.1 %	<87 %
Heptachlor, %	6.6 %	<24 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

11690-33 Precision (% RPD) of MS/MSD
11690-34 Precision Control Limit

PARAMETER	11690-33	11690-34
Organophosphorus Pesticides (8141)		
Ethyl Parathion, %	19 %	<28 %
Methyl Parathion, %	19 %	<40 %
Sulfotepp, %	33 %	<40 %
Chlorinated Herbicides (8150)		
2,4-D, %	6.6 %	<77 %
2,4,5-T, %	0.96 %	<90 %
2,4,5-TP Silvex, %	24 %	<94 %
Chlorinated Dioxins/Furans-App 9 (8280)		
Tetra CDD, %	0 %	<40 %
Tetra CDF, %	0 %	<40 %
Penta CDD, %	3.6 %	<40 %
Penta CDF, %	0 %	<40 %
Hexa CDD, %	3.9 %	<40 %
Hexa CDF, %	0 %	<40 %
Dioxin-2,3,7,8-TCDD , %	0 %	<40 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES		
11690-33	Precision (% RPD) of MS/MSD		
11690-34	Precision Control Limit		

PARAMETER	11690-33	11690-34
Metals by ICP (6010)		
Antimony, %	0.98 %	<20 %
Arsenic, %	0.96 %	<20 %
Barium, %	2.9 %	<20 %
Beryllium, %	0.97 %	<20 %
Cadmium, %	1.0 %	<20 %
Chromium, %	0.97 %	<20 %
Cobalt, %	1.0 %	<20 %
Copper, %	0.97 %	<20 %
Lead, %	2.0 %	<20 %
Nickel, %	1.0 %	<20 %
Selenium, %	2.0 %	<20 %
Silver, %	2.9 %	<20 %
Thallium, %	1.0 %	<20 %
Tin, %	2.7 %	<20 %
Vanadium, %	0.99 %	<20 %
Zinc, %	1.0 %	<20 %
Mercury (7470/7471)		
Mercury, %	4.8 %	<20 %
Cyanide (9012)		
Cyanide, %	0 %	<30 %
Sulfide (9030)		
Sulfide, %	17 %	<50 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-35	Initial Calibration Verification Standard Result
11690-36	ICVS % Recovery
11690-37	ICVS Calibration Blank Result
11690-38	Continuing CVS Result
11690-39	CCVS % Recovery

PARAMETER	11690-35	11690-36	11690-37	11690-38	11690-39
Metals by ICP (6010)					
Antimony, mg/l	0.998	100 %	<0.050	1.02	102 %
Arsenic, mg/l	1.01	101 %	<0.010	1.02	102 %
Barium, mg/l	1.02	102 %	<0.010	0.990	99 %
Beryllium, mg/l	1.02	102 %	<0.0040	1.02	102 %
Cadmium, mg/l	1.02	102 %	<0.0050	1.01	101 %
Chromium, mg/l	1.02	102 %	<0.010	1.00	100 %
Cobalt, mg/l	1.01	101 %	<0.010	1.01	101 %
Copper, mg/l	1.03	103 %	<0.025	1.01	101 %
Lead, mg/l	0.998	100 %	<0.0050	1.02	102 %
Nickel, mg/l	1.03	103 %	<0.040	1.01	101 %
Selenium, mg/l	1.03	103 %	<0.010	1.02	102 %
Silver, mg/l	0.971	97 %	<0.010	1.02	102 %
Thallium, mg/l	1.04	104 %	<0.010	1.01	101 %
Tin, mg/l	0.982	98 %	<0.050	0.984	98 %
Vanadium, mg/l	1.05	105 %	<0.010	1.01	101 %
Zinc, mg/l	1.02	102 %	<0.020	1.01	101 %
Date Analyzed	06.15.95	---	06.15.95	06.15.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00350	96 %	<0.00020	0.00349	96 %
Date Analyzed	06.16.95	---	06.16.95	06.16.95	---
Cyanide (9012)					
Cyanide, mg/l	0.109	94 %	<0.010	0.113	97 %
Date Analyzed	06.12.95	---	06.12.95	06.12.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-35	Initial Calibration Verification Standard Result
11690-36	ICVS % Recovery
11690-37	ICVS Calibration Blank Result
11690-38	Continuing CVS Result
11690-39	CCVS % Recovery

PARAMETER	11690-35	11690-36	11690-37	11690-38	11690-39
Sulfide (9030)					
Sulfide, mg/l	1.49	99 %	<0.40	1.52	101 %
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-40	CCVS Calibration Blank Result
11690-41	CVS Expected Value
11690-42	CVS Control Limits

PARAMETER	11690-40	11690-41	11690-42
Metals by ICP (6010)			
Antimony, mg/l	<0.050	1.00	90-110 %
Arsenic, mg/l	<0.010	1.00	90-110 %
Barium, mg/l	<0.010	1.00	90-110 %
Beryllium, mg/l	<0.0040	1.00	90-110 %
Cadmium, mg/l	<0.0050	1.00	90-110 %
Chromium, mg/l	<0.010	1.00	90-110 %
Cobalt, mg/l	<0.010	1.00	90-110 %
Copper, mg/l	<0.025	1.00	90-110 %
Lead, mg/l	<0.0050	1.00	90-110 %
Nickel, mg/l	<0.040	1.00	90-110 %
Selenium, mg/l	<0.010	1.00	90-110 %
Silver, mg/l	<0.010	1.00	90-110 %
Thallium, mg/l	<0.010	1.00	90-110 %
Tin, mg/l	<0.050	1.00	90-110 %
Vanadium, mg/l	<0.010	1.00	90-110 %
Zinc, mg/l	<0.020	1.00	90-110 %
Date Analyzed	06.15.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00304	80-120 %
Date Analyzed	06.16.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	0.116	85-115 %
Date Analyzed	06.12.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-40	CCVS Calibration Blank Result
11690-41	CVS Expected Value
11690-42	CVS Control Limits

PARAMETER	11690-40	11690-41	11690-42
Sulfide (9030)			
Sulfide, mg/l	<0.40	1.50	50-150 %
Date Analyzed	06.14.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Volatile Organic Compounds (8240)					
Acetone, ug/kg dw	<25	25	---	---	---
Acetonitrile, ug/kg dw	<1000	1000	---	---	---
Acrolein, ug/kg dw	<100	100	---	---	---
Acrylonitrile, ug/kg dw	<100	100	---	---	---
Allylchloride (3-Chloropropene), ug/kg dw	<5.0	5.0	---	---	---
Benzene, ug/kg dw	<5.0	5.0	44.4	44.4	50.0
Bromodichloromethane, ug/kg dw	<5.0	5.0	---	---	---
Bromoform, ug/kg dw	<5.0	5.0	---	---	---
Bromomethane, ug/kg dw	<10	10	---	---	---
2-Butanone (MEK), ug/kg dw	<25	25	---	---	---
Carbon disulfide, ug/kg dw	<5.0	5.0	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	5.0	---	---	---
Chlorobenzene, ug/kg dw	<5.0	5.0	43.9	44.3	50.0
Chloroethane, ug/kg dw	<10	10	---	---	---
Chloroform, ug/kg dw	<5.0	5.0	---	---	---
Chloromethane, ug/kg dw	<10	10	---	---	---
Chloroprene, ug/kg dw	<5.0	5.0	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	5.0	---	---	---
Dibromomethane, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
1,2-Dibromo-3-chloropropane , ug/kg dw	<10	10	---	---	---
trans-1,4-Dichloro-2-butene , ug/kg dw	<10	10	---	---	---
Dichlorodifluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	5.0	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	5.0	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	5.0	49.6	44.7	50.0
1,2-Dichloropropane, ug/kg dw	<5.0	5.0	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	5.0	---	---	---
Ethylbenzene, ug/kg dw	<5.0	5.0	---	---	---
Ethyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---
2-Hexanone, ug/kg dw	<25	25	---	---	---
Iodomethane, ug/kg dw	<5.0	5.0	---	---	---
Isobutanol, ug/kg dw	<1000	1000	---	---	---
Methacrylonitrile, ug/kg dw	<100	100	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	5.0	---	---	---
Methyl methacrylate, ug/kg dw	<5.0	5.0	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	25	---	---	---
Pentachloroethane, ug/kg dw	<25	25	---	---	---
Propionitrile, ug/kg dw	<100	100	---	---	---
Styrene, ug/kg dw	<5.0	5.0	---	---	---
1,1,1,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	5.0	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	5.0	---	---	---
Toluene, ug/kg dw	<5.0	5.0	48.2	45.9	50.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
1,1,2-Trichloroethane, ug/kg dw	<5.0	5.0	---	---	---
Trichloroethene, ug/kg dw	<5.0	5.0	43.1	42.3	50.0
Trichlorofluoromethane, ug/kg dw	<5.0	5.0	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	5.0	---	---	---
Vinyl acetate, ug/kg dw	<10	10	---	---	---
Vinyl chloride, ug/kg dw	<10	10	---	---	---
Xylenes, ug/kg dw	<5.0	5.0	---	---	---
Surrogate - Dibromofluoromethane	108 %	---	110 %	108 %	---
Surrogate - Toluene-d8	99 %	---	96 %	97 %	---
Surrogate - 4-Bromofluorobenzene	99 %	---	97 %	100 %	---
Date Analyzed	06.10.95	---	06.10.95	06.10.95	---
Batch ID	0609C	---	0609C	0609C	---
Clock ID	1J0610	---	1J0610	1J0610	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	<330	330	2300	2190	3330
Acenaphthylene, ug/kg dw	<330	330	---	---	---
Acetophenone, ug/kg dw	<330	330	---	---	---
2-Acetylaminofluorene, ug/kg dw	<330	330	---	---	---
4-Aminobiphenyl, ug/kg dw	<330	330	---	---	---
Aniline, ug/kg dw	<330	330	---	---	---
Anthracene, ug/kg dw	<330	330	---	---	---
Aramite, ug/kg dw	<330	330	---	---	---
Benzo(a)anthracene, ug/kg dw	<330	330	---	---	---
Benzo(b)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(k)fluoranthene, ug/kg dw	<330	330	---	---	---
Benzo(g,h,i)perylene, ug/kg dw	<330	330	---	---	---
Benzo(a)pyrene, ug/kg dw	<330	330	---	---	---
Benzyl alcohol, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethoxy)methane, ug/kg dw	<330	330	---	---	---
bis(2-Chloroethyl)ether, ug/kg dw	<330	330	---	---	---
bis(2-Chloroisopropyl)ether , ug/kg dw	<330	330	---	---	---
bis(2-Ethylhexyl)phthalate, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
4-Bromophenyl phenyl ether, ug/kg dw	<330	330	---	---	---
Butylbenzylphthalate, ug/kg dw	<330	330	---	---	---
(Dinoseb) 2-sec-Butyl-4,6-dinitropheno 1, ug/kg dw	<330	330	---	---	---
p-Chloroaniline, ug/kg dw	<670	670	---	---	---
4-Chloro-3-methylphenol, ug/kg dw	<330	330	4880	4560	6670
2-Chloronaphthalene, ug/kg dw	<330	330	---	---	---
2-Chlorophenol, ug/kg dw	<330	330	4680	4270	6670
4-Chlorophenylphenyl ether, ug/kg dw	<330	330	---	---	---
Chrysene, ug/kg dw	<330	330	---	---	---
Diallate, ug/kg dw	<330	330	---	---	---
Dibenz(a,h)anthracene, ug/kg dw	<330	330	---	---	---
Dibenzofuran, ug/kg dw	<330	330	---	---	---
Di-n-butylphthalate, ug/kg dw	<330	330	---	---	---
1,2-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,3-Dichlorobenzene, ug/kg dw	<330	330	---	---	---
1,4-Dichlorobenzene, ug/kg dw	<330	330	2140	2010	3330
3,3'-Dichlorobenzidine, ug/kg dw	<670	670	---	---	---
2,4-Dichlorophenol, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
2,6-Dichlorophenol, ug/kg dw	<330	330	---	---	---
Diethylphthalate, ug/kg dw	<330	330	---	---	---
p-(Dimethylamino)azobenzene , ug/kg dw	<330	330	---	---	---
7,12-Dimethylbenz(a)anthracene, ug/kg dw	<330	330	---	---	---
3,3'-Dimethylbenzidine, ug/kg dw	<1700	1700	---	---	---
a-a-Dimethylphenethylamine, ug/kg dw	<1700	1700	---	---	---
2,4-Dimethylphenol, ug/kg dw	<330	330	---	---	---
Dimethylphthalate, ug/kg dw	<330	330	---	---	---
m-Dinitrobenzene , ug/kg dw	<330	330	---	---	---
2,4-Dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2,4-Dinitrotoluene, ug/kg dw	<330	330	2390	2270	3330
2,6-Dinitrotoluene, ug/kg dw	<330	330	---	---	---
Di-n-octylphthalate, ug/kg dw	<330	330	---	---	---
1,4-Dioxane, ug/kg dw	<330	330	---	---	---
Ethyl methanesulfonate, ug/kg dw	<330	330	---	---	---
Fluoranthene, ug/kg dw	<330	330	---	---	---
Fluorene, ug/kg dw	<330	330	---	---	---
Hexachlorobenzene, ug/kg dw	<330	330	---	---	---
Hexachlorobutadiene, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Hexachlorocyclopentadiene, ug/kg dw	<330	330	---	---	---
Hexachloroethane, ug/kg dw	<330	330	---	---	---
Hexachlorophene, ug/kg dw	<170000	170000	---	---	---
Hexachloropropene, ug/kg dw	<330	330	---	---	---
Indeno(1,2,3-cd)pyrene, ug/kg dw	<330	330	---	---	---
Isophorone, ug/kg dw	<330	330	---	---	---
Isosafrole, ug/kg dw	<330	330	---	---	---
Kepone, ug/kg dw	<330	330	---	---	---
Methapyrilene, ug/kg dw	<330	3300	---	---	---
3-Methylcholanthrene, ug/kg dw	<330	330	---	---	---
Methyl methanesulfonate, ug/kg dw	<330	330	---	---	---
2-Methyl-4,6-dinitrophenol, ug/kg dw	<1700	1700	---	---	---
2-Methylnaphthalene, ug/kg dw	<330	330	---	---	---
2-Methylphenol (o-cresol), ug/kg dw	<330	330	---	---	---
3-Methylphenol/4-Methylphenol(m&p-cresol), ug/kg dw	<330	330	---	---	---
Naphthalene, ug/kg dw	<330	330	---	---	---
1,4-Naphthoquinone, ug/kg dw	<330	330	---	---	---
1-Naphthylamine, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
2-Naphthylamine, ug/kg dw	<330	330	---	---	---
2-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
3-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
4-Nitroaniline, ug/kg dw	<1700	1700	---	---	---
Nitrobenzene, ug/kg dw	<330	330	---	---	---
2-Nitrophenol, ug/kg dw	<330	330	---	---	---
4-Nitrophenol, ug/kg dw	<1700	1700	4670	4760	6670
4-Nitroquinoline 1-oxide, ug/kg dw	<3300	3300	---	---	---
N-Nitrosodi-n-butylamine, ug/kg dw	<330	330	---	---	---
N-Nitrosodiethylamine, ug/kg dw	<330	330	---	---	---
N-Nitrosodimethylamine, ug/kg dw	<330	330	---	---	---
N-Nitrosomethylethylamine, ug/kg dw	<330	330	---	---	---
N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw	<330	330	---	---	---
n-Nitrosodi-n-propylamine, ug/kg dw	<330	330	2660	2470	3330
N-Nitrosomorpholine, ug/kg dw	<330	330	---	---	---
N-Nitrosopiperidine, ug/kg dw	<330	330	---	---	---
N-Nitrosopyrrolidine, ug/kg dw	<330	330	---	---	---
5-Nitro-o-toluidine, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Pentachlorobenzene, ug/kg dw	<330	330	---	---	---
Pentachloronitrobenzene, ug/kg dw	<330	330	---	---	---
Pentachlorophenol, ug/kg dw	<1700	1700	4410	4280	6670
Phenacetin, ug/kg dw	<330	330	---	---	---
Phenanthrene, ug/kg dw	<330	330	---	---	---
Phenol, ug/kg dw	<330	330	4800	4420	6670
p-Phenylenediamine, ug/kg dw	<1700	1700	---	---	---
2-Picoline, ug/kg dw	<330	330	---	---	---
Pronamide, ug/kg dw	<330	330	---	---	---
Pyrene, ug/kg dw	<330	330	2830	2710	3330
Pyridine, ug/kg dw	<330	330	---	---	---
Safrole, ug/kg dw	<330	330	---	---	---
1,2,4,5-Tetrachlorobenzene, ug/kg dw	<330	330	---	---	---
2,3,4,6-Tetrachlorophenol, ug/kg dw	<1700	1700	---	---	---
o-Toluidine, ug/kg dw	<330	330	---	---	---
1,2,4-Trichlorobenzene, ug/kg dw	<330	330	2010	1820	3330
2,4,5-Trichlorophenol, ug/kg dw	<330	330	---	---	---
2,4,6-Trichlorophenol, ug/kg dw	<330	330	---	---	---
o,o,o-Triethyl phosphorothioate, ug/kg dw	<330	330	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
1,3,5-Trinitrobenzene, ug/kg dw	<330	330	---	---	---
Surrogate-2-Fluorophenol	60 %	---	70 %	64 %	---
urrogate-Phenol-d5	73 %	---	74 %	67 %	---
Surrogate-Nitrobenzene-d5	76 %	---	63 %	59 %	---
Surrogate-2-Fluorobiphenyl	81 %	---	61 %	56 %	---
Surrogate-2,4,6-Tribromophenol	92 %	---	57 %	54 %	---
Surrogate-4-Terphenyl-d14	103 %	---	70 %	67 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.27.95	---	06.14.95	06.14.95	---
Batch ID	0613I	---	0613I	0613I	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Organochlorine Pesticides/PCB's (8080)					
Aldrin, ug/kg dw	<1.7	1.7	3.03	2.90	3.33
alpha-BHC, ug/kg dw	<1.7	1.7	---	---	---
beta-BHC, ug/kg dw	<1.7	1.7	---	---	---
gamma-BHC, ug/kg dw	<1.7	1.7	2.77	2.74	3.33
delta-BHC, ug/kg dw	<1.7	1.7	---	---	---
alpha-Chlordane, ug/kg dw	<1.7	1.7	---	---	---
gamma-Chlordane, ug/kg dw	<1.7	1.7	---	---	---
Chlorobenzilate, ug/kg dw	<17	17	---	---	---
p,p'-DDD, ug/kg dw	<3.3	3.3	---	---	---
p,p'-DDE, ug/kg dw	<3.3	3.3	---	---	---
p,p'-DDT, ug/kg dw	<3.3	3.3	7.53	6.86	8.33
Dieldrin, ug/kg dw	<3.3	3.3	7.04	7.48	8.33
Endosulfan I, ug/kg dw	<1.7	1.7	---	---	---
Endosulfan II, ug/kg dw	<3.3	3.3	---	---	---
Endosulfan sulfate, ug/kg dw	<3.3	3.3	---	---	---
Endrin, ug/kg dw	<3.3	3.3	7.87	7.54	8.33
Endrin Aldehyde, ug/kg dw	<3.3	3.3	---	---	---
Heptachlor, ug/kg dw	<1.7	1.7	3.02	2.75	3.33
Heptachlor epoxide, ug/kg dw	<1.7	1.7	---	---	---
Isodrin, ug/kg dw	<3.3	3.3	---	---	---
Methoxychlor, ug/kg dw	<17	17	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Toxaphene, ug/kg dw	<170	170	---	---	---
Aroclor-1016, ug/kg dw	<33	33	---	---	---
Aroclor-1221, ug/kg dw	<33	67	---	---	---
Aroclor-1232, ug/kg dw	<33	33	---	---	---
Aroclor-1242, ug/kg dw	<33	33	---	---	---
Aroclor-1248, ug/kg dw	<33	33	---	---	---
Aroclor-1254, ug/kg dw	<33	33	---	---	---
Aroclor-1260, ug/kg dw	<33	33	---	---	---
Surrogate - Dibutyl Chlorendate	78 %	---	87 %	84 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.28.95	---	06.28.95	06.28.95	---
Batch ID	0613K	---	0613K	0613K	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Organophosphorus Pesticides (8141)					
Dimethoate, ug/kg dw	<330	330	---	---	---
Disulfoton, ug/kg dw	<66	66	---	---	---
Ethyl Parathion, ug/kg dw	<33	33	114	107	83.3
Famphur, ug/kg dw	<66	66	---	---	---
Methyl Parathion, ug/kg dw	<17	17	90.2	86.6	83.3
Phorate, ug/kg dw	<33	33	---	---	---
Sulfotepp, ug/kg dw	<17	17	98.8	92.4	83.3
Thionazin, ug/kg dw	<33	33	---	---	---
Surrogate - Triphenylphosphate	108 %	---	121 %	123 %	---
Date Extracted	06.13.95	---	06.13.95	06.13.95	---
Date Analyzed	06.20.95	---	06.20.95	06.20.95	---
Batch ID	0613K	---	0613K	0613K	---
Chlorinated Herbicides (8150)					
2,4-D, ug/kg dw	<8.3	8.3	16.8	18.0	25.0
2,4,5-T, ug/kg dw	<8.3	8.3	2.10	1.96	2.50
2,4,5-TP Silvex, ug/kg dw	<8.3	8.3	1.70	1.90	2.50
Surrogate - DCPA	105 %	---	86 %	110 %	---
Date Extracted	06.14.95	---	06.14.95	06.14.95	---
Date Analyzed	06.21.95	---	06.21.95	06.21.95	---
Batch ID	0614H	---	0614H	0614H	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

7846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Chlorinated Dioxins/Furans-App 9 (8280)					
Tetra CDD, ug/l	<0.50	0.50	2.4	2.6	2.5
Tetra CDF, ug/l	<0.50	0.50	2.3	2.6	2.5
Penta CDD, ug/l	<0.50	0.50	2.3	2.5	2.5
Penta CDF, ug/l	<0.50	0.50	2.3	2.8	2.5
Hexa CDD, ug/l	<0.50	0.50	1.8	2.1	2.5
Hexa CDF, ug/l	<0.50	0.50	2.1	2.7	2.5
Dioxin-2,3,7,8-TCDD , ug/l	<0.50	0.50	2.4	2.6	2.5
Internal Standard (TCDD)	75 %	---	41 %	66 %	---
Date Extracted	06.14.95	---	06.14.95	06.14.95	---
Date Analyzed	06.19.95	---	06.23.95	06.19.95	---
Batch ID	0614C	---	0614C	0614C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Metals by ICP (6010)					
Antimony, mg/kg dw	<5.0	5.0	87.8	94.4	100
Arsenic, mg/kg dw	<1.0	1.0	81.7	91.5	82.4
Barium, mg/kg dw	<1.0	1.0	218	236	238
Beryllium, mg/kg dw	<0.40	0.40	147	162	152
Cadmium, mg/kg dw	<0.50	0.50	83.4	91.9	90.0
Chromium, mg/kg dw	<1.0	1.0	157	173	167
Cobalt, mg/kg dw	<1.0	1.0	91.1	101	101
Copper, mg/kg dw	<2.5	2.5	188	209	196
Lead, mg/kg dw	<0.50	0.50	146	162	162
Nickel, mg/kg dw	<4.0	4.0	117	133	135
Selenium, mg/kg dw	<1.0	1.0	95.9	108	109
Silver, mg/kg dw	<1.0	1.0	60.9	69.8	65.4
Thallium, mg/kg dw	<1.0	1.0	113	129	127
Tin, mg/kg dw	<5.0	5.0	101	101	100
Vanadium, mg/kg dw	<1.0	1.0	93.3	105	94.0
Zinc, mg/kg dw	<2.0	2.0	179	199	199
Prep or Extraction Date	06.15.95	---	06.15.95	06.15.95	---
Date Analyzed	06.16.95	---	06.16.95	06.16.95	---
Batch ID	0615C	---	0615C	0615C	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-43	Method Blank Result
11690-44	Reporting Limit
11690-45	Lab Control Standard Result
11690-46	LCS Duplicate Result
11690-47	LCS Expected Value

PARAMETER	11690-43	11690-44	11690-45	11690-46	11690-47
Mercury (7470/7471)					
Mercury, mg/kg dw	<0.030	0.030	2.55	2.42	2.36
Prep or Extraction Date	06.19.95	---	06.19.95	06.19.95	---
Date Analyzed	06.19.95	---	06.19.95	06.19.95	---
Batch ID	0619R	---	0619R	0619R	---
Cyanide (9012)					
Cyanide, mg/kg dw	<1.0	1.0	3.28	3.20	4.00
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---
Batch ID	0613K	---	0613K	0613K	---
Sulfide (9030)					
Sulfide, mg/kg dw	<10	10	34.5	32.7	37.5
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---
Batch ID	0613A	---	0613A	0613A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-48	LCS/LCSD % Recovery
11690-49	Accuracy Control Limits
11690-50	Precision (% RPD) of LCS/LCSD
11690-51	Precision Control Limit

PARAMETER	11690-48	11690-49	11690-50	11690-51
Volatile Organic Compounds (8240)				
Benzene, %	89/89 %	48-150 %	0 %	<27 %
Chlorobenzene, %	88/89 %	54-138 %	1.1 %	<33 %
1,1-Dichloroethene, %	99/89 %	36-161 %	11 %	<50 %
Toluene, %	96/92 %	51-141 %	4.3 %	<27 %
Trichloroethene, %	86/85 %	43-140 %	1.2 %	<27 %
Surrogate - Dibromofluoromethane	---	80-120 %	---	---
Surrogate - Toluene-d8	---	68-123 %	---	---
Surrogate - 4-Bromofluorobenzene	---	64-126 %	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-48	LCS/LCSD % Recovery
11690-49	Accuracy Control Limits
11690-50	Precision (% RPD) of LCS/LCSD
11690-51	Precision Control Limit

PARAMETER	11690-48	11690-49	11690-50	11690-51
Semivolatile Organics (8270)				
Acenaphthene, %	69/66 %	51-108 %	4.4 %	<26 %
4-Chloro-3-methylphenol, %	73/68 %	38-112 %	7.1 %	<23 %
2-Chlorophenol, %	70/64 %	45-105 %	9.0 %	<31 %
1,4-Dichlorobenzene, %	64/60 %	46-112 %	6.4 %	<28 %
2,4-Dinitrotoluene, %	72/68 %	35-111 %	5.7 %	<29 %
4-Nitrophenol, %	70/71 %	10-130 %	1.4 %	<34 %
n-Nitrosodi-n-propylamine, %	80/74 %	27-140 %	7.8 %	<35 %
Pentachlorophenol, %	66/64 %	10-107 %	3.1 %	<89 %
Phenol, %	72/66 %	37-112 %	8.7 %	<36 %
Pyrene, %	85/81 %	33-139 %	4.8 %	<25 %
1,2,4-Trichlorobenzene, %	60/55 %	48-107 %	8.7 %	<28 %
Surrogate-2-Fluorophenol	---	27-120 %	---	---
Surrogate-Phenol-d5	---	32-123 %	---	---
Surrogate-Nitrobenzene-d5	---	22-124 %	---	---
Surrogate-2-Fluorobiphenyl	---	35-116 %	---	---
Surrogate-2,4,6-Tribromophenol	---	17-123 %	---	---
Surrogate-4-Terphenyl-d14	---	29-137 %	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-48	LCS/LCSD % Recovery
11690-49	Accuracy Control Limits
11690-50	Precision (% RPD) of LCS/LCSD
11690-51	Precision Control Limit

PARAMETER	11690-48	11690-49	11690-50	11690-51
Organochlorine Pesticides/PCB's (8080)				
Aldrin, %	91/87 %	40-137 %	4.5 %	<39 %
gamma-BHC, %	83/82 %	41-134 %	1.2 %	<36 %
p,p'-DDT, %	90/82 %	48-150 %	9.3 %	<34 %
Dieldrin, %	89/90 %	42-139 %	1.1 %	<41 %
Endrin, %	94/91 %	44-151 %	3.2 %	<31 %
Heptachlor, %	91/83 %	40-136 %	9.2 %	<34 %
Surrogate - Dibutyl Chlorendate	---	45-131 %	---	---
Organophosphorus Pesticides (8141)				
Ethyl Parathion, %	137/128 %	15-141 %	6.8 %	<79 %
Methyl Parathion, %	108/104 %	40-140 %	3.8 %	<40 %
Sulfotepp, %	119/111 %	13-171 %	7.0 %	<65 %
Surrogate - Triphenylphosphate	---	40-125 %	---	---
Chlorinated Herbicides (8150)				
2,4-D, %	67/72 %	10-130 %	7.1 %	<47 %
2,4,5-T, %	84/78 %	24-115 %	7.4 %	<46 %
2,4,5-TP Silvex, %	68/76 %	10-150 %	11 %	<54 %
Surrogate - DCPA	---	10-148 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-48	LCS/LCSD % Recovery
11690-49	Accuracy Control Limits
11690-50	Precision (% RPD) of LCS/LCSD
11690-51	Precision Control Limit

PARAMETER	11690-48	11690-49	11690-50	11690-51
Chlorinated Dioxins/Furans-App 9 (8280)				
Tetra CDD, %	96/104 %	69-145 %	8.0 %	<40 %
Tetra CDF, %	92/104 %	59-142 %	12 %	<40 %
Penta CDD, %	92/100 %	41-203 %	8.3 %	<40 %
Penta CDF, %	92/112 %	55-146 %	20 %	<40 %
Hexa CDD, %	72/84 %	45-174 %	15 %	<53 %
Hexa CDF, %	84/108 %	50-154 %	25 %	<46 %
Dioxin-2,3,7,8-TCDD , %	96/104 %	69-145 %	8.0 %	<40 %
Internal Standard (TCDD)	---	40-120 %	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-48	LCS/LCSD % Recovery
11690-49	Accuracy Control Limits
11690-50	Precision (% RPD) of LCS/LCSD
11690-51	Precision Control Limit

PARAMETER	11690-48	11690-49	11690-50	11690-51
Metals by ICP (6010)				
Antimony, %	90/94 %	70-130 %	4.3 %	<30 %
Arsenic, %	99/111 %	70-130 %	11 %	<30 %
Barium, %	92/99 %	70-130 %	7.3 %	<30 %
Beryllium, %	93/106 %	70-130 %	13 %	<30 %
Cadmium, %	93/102 %	70-130 %	9.2 %	<30 %
Chromium, %	94/104 %	70-130 %	10 %	<30 %
Cobalt, %	90/100 %	70-130 %	11 %	<30 %
Copper, %	96/107 %	70-130 %	11 %	<30 %
Lead, %	90/100 %	70-130 %	11 %	<30 %
Nickel, %	87/99 %	70-130 %	13 %	<30 %
Selenium, %	88/99 %	70-130 %	12 %	<30 %
Silver, %	93/107 %	70-130 %	14 %	<30 %
Thallium, %	89/102 %	70-130 %	14 %	<30 %
Tin, %	101/101 %	70-130 %	0 %	<30 %
Vanadium, %	99/106 %	70-130 %	6.8 %	<30 %
Zinc, %	90/100 %	70-130 %	11 %	<30 %
Mercury (7470/7471)				
Mercury, %	108/102 %	70-130 %	5.7 %	<30 %
Cyanide (9012)				
Cyanide, %	82/80 %	75-125 %	2.5 %	<30 %
Sulfide (9030)				
Sulfide, %	92/87 %	50-150 %	5.6 %	<50 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001)
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Volatile Organic Compounds (8240)					
Benzene, ug/kg dw	54.0	52.7	60.0	90/88 %	48-150 %
Chlorobenzene, ug/kg dw	55.3	54.9	60.0	92/92 %	54-138 %
1,1-Dichloroethene, ug/kg dw	55.7	50.9	60.0	93/85 %	36-161 %
Toluene, ug/kg dw	48.7	46.3	60.0	81/77 %	51-141 %
Trichloroethene, ug/kg dw	58.2	57.1	60.0	97/95 %	43-140 %
Surrogate - Dibromofluoromethane	99 %	98 %	---	---	80-120 %
Surrogate - Toluene-d8	83 %	80 %	---	---	68-123 %
Surrogate - 4-Bromofluorobenzene	94 %	102 %	---	---	64-126 %
Date Analyzed	06.15.95	06.15.95	---	---	---
Batch ID	0609C	0609C	---	---	---
Clock ID	1J0615	1J0615	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001)
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Semivolatile Organics (8270)					
Acenaphthene, ug/kg dw	3300	3590	3970	83/90 %	51-108 %
4-Chloro-3-methylphenol, ug/kg dw	7240	7860	7940	91/99 %	38-112 %
2-Chlorophenol, ug/kg dw	5710	5940	7940	72/75 %	45-105 %
1,4-Dichlorobenzene, ug/kg dw	2370	3010	3970	60/76 %	46-112 %
2,4-Dinitrotoluene, ug/kg dw	3450	3670	3970	87/92 %	35-111 %
4-Nitrophenol, ug/kg dw	5520	6680	7940	70/84 %	10-130 %
n-Nitrosodi-n-propylamine, ug/kg dw	2440	2780	3970	62/70 %	27-140 %
Pentachlorophenol, ug/kg dw	6540	6150	7940	82/78 %	10-107 %
Phenol, ug/kg dw	5090	5620	7940	64/71 %	37-112 %
Pyrene, ug/kg dw	6540	5120	3970	165*F/129%	33-139 %
1,2,4-Trichlorobenzene, ug/kg dw	3090	3630	3970	78/91 %	48-107 %
Surrogate-2-Fluorophenol	74 %	76 %	---	---	27-120 %
Surrogate-Phenol-d5	81 %	80 %	---	---	32-123 %
Surrogate-Nitrobenzene-d5	81 %	84 %	---	---	22-124 %
Surrogate-2-Fluorobiphenyl	81 %	82 %	---	---	35-116 %
Surrogate-2,4,6-Tribromophenol	104 %	116 %	---	---	17-123 %
Surrogate-4-Terphenyl-d14	179%*F36	146%*F36	---	---	29-137 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.27.95	06.27.95	---	---	---
Batch ID	0613I	0613I	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001)
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Organochlorine Pesticides/PCB's (8080)					
Aldrin, ug/kg dw	*F62	*F62	3.66	*F62	40-137 %
gamma-BHC, ug/kg dw	*F62	*F62	3.66	*F62	41-134 %
p,p'-DDT, ug/kg dw	9.82	10.03	9.16	110/107 %	48-150 %
Dieldrin, ug/kg dw	9.66	9.58	9.16	105/106 %	40-137 %
Endrin, ug/kg dw	9.54	9.52	9.16	104/104 %	44-151 %
Heptachlor, ug/kg dw	*F62	*F62	3.66	*F62	40-136 %
Surrogate - Dibutyl Chlorendate	86 %	77 %	---	---	45-131 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.28.95	06.28.95	---	---	---
Batch ID	0613K	0613K	---	---	---
Organophosphorus Pesticides (8141)					
Ethyl Parathion, ug/kg dw	65.8	54.4	94.7	69/57 %	15-141 %
Methyl Parathion, ug/kg dw	87.4	83.1	94.7	92/88 %	40-140 %
Sulfotepp, ug/kg dw	62.6	58.5	94.7	66/62 %	13-171 %
Surrogate - Triphenylphosphate	113 %	70 %	---	---	40-125 %
Date Extracted	06.13.95	06.13.95	---	---	---
Date Analyzed	06.24.95	06.24.95	---	---	---
Batch ID	0613K	0613K	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001)
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Chlorinated Herbicides (8150)					
2,4-D, ug/kg dw	12.4	22.2	27.5	45/81 %	10-130 %
2,4,5-T, ug/kg dw	1.60	2.20	2.75	58/80 %	24-115 %
2,4,5-TP Silvex, ug/kg dw	1.57	2.95	2.75	57/107 %	10-150 %
Surrogate - DCPA	68 %	79 %	---	---	10-148 %
Date Extracted	06.14.95	06.14.95	---	---	---
Date Analyzed	06.21.95	06.21.95	---	---	---
Batch ID	0614H	0614H	---	---	---
Chlorinated Dioxins/Furans-App 9 (8280)					
Tetra CDD, ug/kg dw	3.5	3.1	2.9	121/107 %	69-145 %
Tetra CDF, ug/kg dw	3.2	2.8	2.9	110/96 %	59-142 %
Penta CDD, ug/kg dw	3.4	2.7	2.9	117/93 %	41-203 %
Penta CDF, ug/kg dw	3.4	3.1	2.9	117/107 %	55-146 %
Hexa CDD, ug/kg dw	2.9	3.2	2.9	100/110 %	45-174 %
Hexa CDF, ug/kg dw	4.0	3.6	2.9	138/124 %	50-154 %
Dioxin-2,3,7,8-TCDD , ug/kg dw	3.5	3.1	2.9	121/107 %	69-145 %
Internal Standard (TCDD)	74 %	79 %	---	---	40-120 %
Date Extracted	06.14.95	06.14.95	---	---	---
Date Analyzed	06.19.95	06.19.95	---	---	---
Batch ID	0614C	0614C	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001)
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Metals by ICP (6010)					
Antimony, mg/kg dw	96.3	91.1	100	96/91 %	80-120 %
Arsenic, mg/kg dw	108	105	100	108/105 %	80-120 %
Barium, mg/kg dw	69.4	87.9	100	69/88 %	80-120 %
Beryllium, mg/kg dw	94.5	95.6	100	94/96 %	80-120 %
Cadmium, mg/kg dw	87.0	88.6	100	87/89 %	80-120 %
Chromium, mg/kg dw	79.4	70.3	100	79/70 %	80-120 %
Cobalt, mg/kg dw	83.3	85.8	100	83/85 %	80-120 %
Copper, mg/kg dw	176	116	100	176/116 %	80-120 %
Lead, mg/kg dw	2820	117	100	2820/117*F	80-120 %
Nickel, mg/kg dw	82.1	87.5	100	82/88 %	80-120 %
Selenium, mg/kg dw	90.5	91.0	100	90/91 %	80-120 %
Silver, mg/kg dw	110	108	100	110/108 %	80-120 %
Thallium, mg/kg dw	89.2	88.8	100	89/89 %	80-120 %
Tin, mg/kg dw	115	92.1	100	115/92 %	80-120 %
Vanadium, mg/kg dw	96.8	102	100	97/102 %	80-120 %
Zinc, mg/kg dw	66.2	123	100	66/123 %	80-120 %
Prep or Extraction Date	06.15.95	06.15.95	---	---	---
Date Analyzed	06.16.95	06.16.95	---	---	---
Batch ID	0615C	0615C	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-52	Matrix Spike Result (950608-FW-00-SD0001)
11690-53	MS Duplicate Result (950608-FW-00-SD0001')
11690-54	MS Expected Value
11690-55	MS/MSD % Recovery
11690-56	Accuracy Control Limits

PARAMETER	11690-52	11690-53	11690-54	11690-55	11690-56
Mercury (7470/7471)					
Mercury, mg/kg dw	0.106	0.108	0.115	92/94 %	70-130 %
Prep or Extraction Date	06.19.95	06.19.95	---	---	---
Date Analyzed	06.19.95	06.19.95	---	---	---
Batch ID	0619R	0619R	---	---	---
Cyanide (9012)					
Cyanide, mg/kg dw	2.87	3.22	4.71	61/68%*F73	75-125 %
Date Analyzed	06.14.95	06.14.95	---	---	---
Batch ID	0613K	0613K	---	---	---
Sulfide (9030)					
Sulfide, mg/kg dw	45.0	50.3	44.1	102/114 %	50-150 %
Date Analyzed	06.14.95	06.14.95	---	---	---
Batch ID	0613A	0613A	---	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO 11690-57 11690-58 — SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
Precision (% RPD) of MS/MSD
Precision Control Limit

PARAMETER	11690-57	11690-58
Volatile Organic Compounds (8240)		
Benzene, %	2.2 %	<27 %
Chlorobenzene, %	0 %	<33 %
1,1-Dichloroethene, %	9.0 %	<50 %
Toluene, %	5.1 %	<27 %
Trichloroethene, %	2.1 %	<27 %
Semivolatile Organics (8270)		
Acenaphthene, %	8.1 %	<26 %
4-Chloro-3-methylphenol, %	8.4 %	<23 %
2-Chlorophenol, %	4.1 %	<31 %
1,4-Dichlorobenzene, %	24 %	<28 %
2,4-Dinitrotoluene, %	5.6 %	<29 %
4-Nitrophenol, %	18 %	<34 %
n-Nitrosodi-n-propylamine, %	12 %	<35 %
Pentachlorophenol, %	5.0	<89 %
Phenol, %	10 %	<36 %
Pyrene, %	24 %	<25 %
1,2,4-Trichlorobenzene, %	15 %	<28 %
Organochlorine Pesticides/PCB's (8080)		
Aldrin, %	*F62	<39 %
gamma-BHC, %	*F62	<36 %
p,p'-DDT, %	2.8 %	<34 %
Dieldrin, %	0.95 %	<39 %
Endrin, %	0 %	<31 %
Heptachlor, %	*F62	<34 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11690-57 Precision (% RPD) of MS/MSD
11690-58 Precision Control Limit

PARAMETER	11690-57	11690-58
Organophosphorus Pesticides (8141)		
Ethyl Parathion, %	19 %	<79 %
Methyl Parathion, %	4.4 %	<40 %
Sulfotepp, %	6.2 %	<65 %
Chlorinated Herbicides (8150)		
2,4-D, %	57%*F79	<47 %
2,4,5-T, %	32 %	<46 %
2,4,5-TP Silvex, %	61%*F79	<54 %
Chlorinated Dioxins/Furans-App 9 (8280)		
Tetra CDD, %	12 %	<40 %
Tetra CDF, %	14 %	<40 %
Penta CDD, %	23 %	<40 %
Penta CDF, %	8.9 %	<40 %
Hexa CDD, %	9.5 %	<53 %
Hexa CDF, %	11 %	<46 %
Dioxin-2,3,7,8-TCDD , %	12 %	<40 %

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11690-57 Precision (% RPD) of MS/MSD
11690-58 Precision Control Limit

PARAMETER	11690-57	11690-58
Metals by ICP (6010)		
Antimony, %	5.3 %	<30 %
Arsenic, %	2.8 %	<30 %
Barium, %	24 %	<30 %
Beryllium, %	2.1 %	<30 %
Cadmium, %	2.3 %	<30 %
Chromium, %	12 %	<30 %
Cobalt, %	3.6 %	<30 %
Copper, %	41%*F79	<30 %
Lead, %	184%*F79	<30 %
Nickel, %	7.1 %	<30 %
Selenium, %	1.1 %	<30 %
Silver, %	1.8 %	<30 %
Thallium, %	0 %	<30 %
Tin, %	22 %	<30 %
Vanadium, %	5.0 %	<30 %
Zinc, %	60%*F79	<30 %
Mercury (7470/7471)		
Mercury, %	2.2 %	<30 %
Cyanide (9012)		
Cyanide, %	11 %	<30 %
Sulfide (9030)		
Sulfide, %	11 %	<50 %

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID

11690-59 Initial Calibration Verification Standard Result
11690-60 ICVS % Recovery
11690-61 ICVS Calibration Blank Result
11690-62 Continuing CVS Result
11690-63 CCVS % Recovery

PARAMETER	11690-59	11690-60	11690-61	11690-62	11690-63
Metals by ICP (6010)					
Antimony, mg/l	1.01	101 %	<0.050	0.986	99 %
Arsenic, mg/l	1.02	102 %	<0.010	0.996	100 %
Barium, mg/l	1.05	105 %	<0.010	0.991	99 %
Beryllium, mg/l	1.03	103 %	<0.0040	0.995	100 %
Cadmium, mg/l	1.04	104 %	<0.0050	0.990	99 %
Chromium, mg/l	1.03	103 %	<0.010	0.997	100 %
Cobalt, mg/l	1.02	102 %	<0.010	1.00	100 %
Copper, mg/l	1.04	104 %	<0.025	1.01	101 %
Lead, mg/l	1.02	102 %	<0.0050	0.999	100 %
Nickel, mg/l	1.05	105 %	<0.040	0.982	98 %
Selenium, mg/l	1.03	103 %	<0.010	0.998	100 %
Silver, mg/l	0.993	99 %	<0.010	0.998	100 %
Thallium, mg/l	1.06	106 %	<0.010	0.992	99 %
Tin, mg/l	0.965	96 %	<0.050	1.04	104 %
Vanadium, mg/l	1.06	106 %	<0.010	0.992	99 %
Zinc, mg/l	1.04	104 %	<0.020	1.01	101 %
Date Analyzed	06.16.95	---	06.16.95	06.16.95	---
Mercury (7470/7471)					
Mercury, mg/l	0.00350	96 %	<0.00020	0.00339	93 %
Date Analyzed	06.19.95	---	06.19.95	06.19.95	---
Cyanide (9012)					
Cyanide, mg/l	121	104 %	<0.010	120	103 %
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-59	Initial Calibration Verification Standard Result
11690-60	ICVS % Recovery
11690-61	ICVS Calibration Blank Result
11690-62	Continuing CVS Result
11690-63	CCVS % Recovery

PARAMETER	11690-59	11690-60	11690-61	11690-62	11690-63
Sulfide (9030)					
Sulfide, mg/l	1.49	99 %	<0.40	1.52	101 %
Date Analyzed	06.14.95	---	06.14.95	06.14.95	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-64	CCVS Calibration Blank Result
11690-65	CVS Expected Value
11690-66	CVS Control Limits

PARAMETER	11690-64	11690-65	11690-66
Metals by ICP (6010)			
Antimony, mg/kg dw	<0.050	1.00	90-110 %
Arsenic, mg/kg dw	<0.010	1.00	90-110 %
Barium, mg/kg dw	<0.010	1.00	90-110 %
Beryllium, mg/kg dw	<0.0040	1.00	90-110 %
Cadmium, mg/kg dw	<0.0050	1.00	90-110 %
Chromium, mg/kg dw	<0.010	1.00	90-110 %
Cobalt, mg/kg dw	<0.010	1.00	90-110 %
Copper, mg/kg dw	<0.025	1.00	90-110 %
Lead, mg/kg dw	<0.0050	1.00	90-110 %
Nickel, mg/kg dw	<0.040	1.00	90-110 %
Selenium, mg/kg dw	<0.010	1.00	90-110 %
Silver, mg/kg dw	<0.010	1.00	90-110 %
Thallium, mg/kg dw	<0.010	1.00	90-110 %
Tin, mg/kg dw	<0.050	1.00	90-110 %
Vanadium, mg/kg dw	<0.010	1.00	90-110 %
Zinc, mg/kg dw	<0.020	1.00	90-110 %
Date Analyzed	06.16.95	---	---
Mercury (7470/7471)			
Mercury, mg/l	<0.00020	0.00364	80-120 %
Date Analyzed	06.19.95	---	---
Cyanide (9012)			
Cyanide, mg/l	<0.010	116	85-115 %
Date Analyzed	06.14.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-64	CCVS Calibration Blank Result
11690-65	CVS Expected Value
11690-66	CVS Control Limits

PARAMETER	11690-64	11690-65	11690-66
Sulfide (9030)			
Sulfide, mg/l	<0.40	1.50	50-150 %
Date Analyzed	06.14.95	---	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-67	Method Blank #2 Result
11690-68	Method Blank #3 Result

PARAMETER	11690-67	11690-68
Volatile Organic Compounds (8240)		
Acetone, ug/l	<10	<10
Acetonitrile, ug/l	<200	<200
Acrolein, ug/l	<20	<20
Acrylonitrile, ug/l	<20	<20
Allylchloride (3-Chloropropene), ug/l	<1.0	<1.0
Benzene, ug/l	<1.0	<1.0
Bromodichloromethane, ug/l	<1.0	<1.0
Bromoform, ug/l	<1.0	<1.0
Bromomethane, ug/l	<2.0	<2.0
2-Butanone (MEK), ug/l	<10	<10
Carbon disulfide, ug/l	<1.0	<1.0
Carbon tetrachloride, ug/l	<1.0	<1.0
Chlorobenzene, ug/l	<1.0	<1.0
Chloroethane, ug/l	<1.0	<1.0
Chloroform, ug/l	<1.0	<1.0
Chloromethane, ug/l	<1.0	<1.0
Chloroprene, ug/l	<1.0	<1.0
Dibromochloromethane, ug/l	<1.0	<1.0
1,2-Dibromoethane (EDB) , ug/l	<1.0	<1.0
Dibromomethane, ug/l	<1.0	<1.0
1,2-Dibromo-3-chloropropane, ug/l	<2.0	<2.0
trans-1,4-Dichloro-2-butene, ug/l	<2.0	<2.0
Dichlorodifluoromethane, ug/l	<1.0	<1.0
1,1-Dichloroethane, ug/l	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES

11690-67 Method Blank #2 Result
11690-68 Method Blank #3 Result

PARAMETER	11690-67	11690-68
1,2-Dichloroethane, ug/l	<1.0	<1.0
trans-1,2-Dichloroethene, ug/l	<1.0	<1.0
1,1-Dichloroethene, ug/l	<1.0	<1.0
1,2-Dichloropropane, ug/l	<1.0	<1.0
cis-1,3-Dichloropropene, ug/l	<1.0	<1.0
trans-1,3-Dichloropropene, ug/l	<1.0	<1.0
Ethylbenzene, ug/l	<1.0	<1.0
Ethyl methacrylate, ug/l	<1.0	<1.0
2-Hexanone, ug/l	<10	<10
Iodomethane, ug/l	<1.0	<1.0
Isobutanol, ug/l	<200	<200
Methacrylonitrile, ug/l	<20	<20
Methylene chloride (Dichloromethane), ug/l	<1.0	<1.0
Methyl methacrylate, ug/l	<1.0	<1.0
4-Methyl-2-pentanone (MIBK), ug/l	<10	<10
Pentachloroethane, ug/l	<5.0	<5.0
Propionitrile, ug/l	<20	<20
Styrene, ug/l	<1.0	<1.0
1,1,1,2-Tetrachloroethane, ug/l	<1.0	<1.0
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0
Tetrachloroethene, ug/l	<1.0	<1.0
Toluene, ug/l	<1.0	<1.0
1,1,1-Trichloroethane, ug/l	<1.0	<1.0
1,1,2-Trichloroethane, ug/l	<1.0	<1.0
Trichloroethene, ug/l	<1.0	<1.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-67	Method Blank #2 Result
11690-68	Method Blank #3 Result

PARAMETER	11690-67	11690-68
Trichlorofluoromethane, ug/l	<1.0	<1.0
1,2,3-Trichloropropane, ug/l	<1.0	<1.0
Vinyl acetate, ug/l	<2.0	<2.0
Vinyl chloride, ug/l	<1.0	<1.0
Xylenes, ug/l	<1.0	<1.0
Surrogate - Dibromofluoromethane	100 %	94 %
Surrogate - Toluene-d8	99 %	92 %
Surrogate - 4-Bromofluorobenzene	111 %	99 %
Date Analyzed	06.14.95	06.15.95
Batch ID	0612A	0612A
Clock ID	1H0614	1H0615

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-69	Method Blank #2 Result
11690-70	LCS/LCSD #2 Result
11690-71	LCS/LCSD #2 % Recovery
11690-72	Accuracy Control Limits
11690-73	Precision (% RPD) of LCS/LCSD #2

PARAMETER	11690-69	11690-70	11690-71	11690-72	11690-73
Cyanide (9012)					
Cyanide, mg/l	<0.010	0.120/.103	104/89 %	85-115 %	16 %
Date Analyzed	06.13.95	06.13.95	---	---	---
Batch ID	0613A	0613A	---	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-74	Precision Control Limit

PARAMETER	11690-74
Cyanide (9012)	
Cyanide, mg/l	<30 %

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-75	ICVS #2 Result
11690-76	ICVS #2 % Recovery
11690-77	ICVS #2 Calibration Blank Result
11690-78	CCVS #2 Result
11690-79	CCVS #2 % Recovery

PARAMETER	11690-75	11690-76	11690-77	11690-78	11690-79
Cyanide (9012)					
Cyanide, mg/l	0.120	104 %	<0.010	0.103	89 %
Date Analyzed	06.13.95	---	06.13.95	06.13.95	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
11690-80	CCVS #2 Calibration Blank Result
11690-81	CVS Control Limits

PARAMETER	11690-80	11690-81
Cyanide (9012)		
Cyanide, mg/l	<0.010	85-115 %
Date Analyzed	06.13.95	---
Batch ID	0613A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-82	Method Blank #2 Result
11690-83	Method Blank #3 Result

PARAMETER	11690-82	11690-83
Volatile Organic Compounds (8240)		
Acetone, ug/kg dw	<25	<25
Acetonitrile, ug/kg dw	<1000	<1000
Acrolein, ug/kg dw	<100	<100
Acrylonitrile, ug/kg dw	<100	<100
Allylchloride (3-Chloropropene), ug/kg dw	<5.0	<5.0
Benzene, ug/kg dw	<5.0	<5.0
Bromodichloromethane, ug/kg dw	<5.0	<5.0
Bromoform, ug/kg dw	<5.0	<5.0
Bromomethane, ug/kg dw	<10	<10
2-Butanone (MEK), ug/kg dw	<25	<25
Carbon disulfide, ug/kg dw	<5.0	<5.0
Carbon tetrachloride, ug/kg dw	<5.0	<5.0
Chlorobenzene, ug/kg dw	<5.0	<5.0
Chloroethane, ug/kg dw	<10	<10
Chloroform, ug/kg dw	<5.0	<5.0
Chloromethane, ug/kg dw	<10	<10
Chloroprene, ug/kg dw	<5.0	<5.0
Dibromochloromethane, ug/kg dw	<5.0	<5.0
1,2-Dibromoethane (EDB) , ug/kg dw	<5.0	<5.0
Dibromomethane, ug/kg dw	<5.0	<5.0
1,2-Dibromo-3-chloropropane, ug/kg dw	<10	<10
trans-1,4-Dichloro-2-butene, ug/kg dw	<10	<10
Dichlorodifluoromethane, ug/kg dw	<5.0	<5.0
1,1-Dichloroethane, ug/kg dw	<5.0	<5.0

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-82	Method Blank #2 Result
11690-83	Method Blank #3 Result

PARAMETER	11690-82	11690-83
1,2-Dichloroethane, ug/kg dw	<5.0	<5.0
trans-1,2-Dichloroethene, ug/kg dw	<5.0	<5.0
1,1-Dichloroethene, ug/kg dw	<5.0	<5.0
1,2-Dichloropropane, ug/kg dw	<5.0	<5.0
cis-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0
trans-1,3-Dichloropropene, ug/kg dw	<5.0	<5.0
Ethylbenzene, ug/kg dw	<5.0	<5.0
Ethyl methacrylate, ug/kg dw	<5.0	<5.0
2-Hexanone, ug/kg dw	<25	<25
Iodomethane, ug/kg dw	<5.0	<5.0
Isobutanol, ug/kg dw	<1000	<1000
Methacrylonitrile, ug/kg dw	<100	<100
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	<5.0
Methyl methacrylate, ug/kg dw	<5.0	<5.0
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	<25
Pentachloroethane, ug/kg dw	<25	<25
Propionitrile, ug/kg dw	<100	<100
Styrene, ug/kg dw	<5.0	<5.0
1,1,1,2-Tetrachloroethane, ug/kg dw	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	<5.0
Tetrachloroethene, ug/kg dw	<5.0	<5.0
Toluene, ug/kg dw	<5.0	<5.0
1,1,1-Trichloroethane, ug/kg dw	<5.0	<5.0
1,1,2-Trichloroethane, ug/kg dw	<5.0	<5.0
Trichloroethene, ug/kg dw	<5.0	<5.0

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

?846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-82	Method Blank #2 Result
11690-83	Method Blank #3 Result

PARAMETER	11690-82	11690-83
Trichlorofluoromethane, ug/kg dw	<5.0	<5.0
1,2,3-Trichloropropane, ug/kg dw	<5.0	<5.0
Vinyl acetate, ug/kg dw	<10	<10
Vinyl chloride, ug/kg dw	<10	<10
Xylenes, ug/kg dw	<5.0	<5.0
Surrogate - Dibromofluoromethane	114 %	98 %
Surrogate - Toluene-d8	102 %	94 %
Surrogate - 4-Bromofluorobenzene	101 %	95 %
Date Analyzed	06.12.95	06.15.95
Batch ID	0609C	0609C
Clock ID	1J0612	1J0615

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

2846 Industrial Plaza Drive (32301) • P.O. Box 13056 • Tallahassee, FL 32317-3056 • (904) 878-3994 • Fax (904) 878-9504

LOG NO: T5-11690

Received: 09 JUN 95

Mr. Pedro Fiero
Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy, Suite 115
Tampa, FL 33618

CC: Mr. Charles Jones

Project: TF0320.013/SLOSS/LTO#09746/SW+Sed
Sampled By: Client

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
11690-82	Method Blank #2 Result
11690-83	Method Blank #3 Result

PARAMETER	11690-82	11690-83

Method: EPA SW-846
HRS Certification No. E81005
FDEP CompQAP No. 890142G

*F = *F79

*F33=Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

*F36=Surrogate recovery was outside established limits due to matrix interference in the sample.

*F53=Because surrogate recoveries were outside established limits, the sample was re-extracted and/or re-analyzed. Comparable results were obtained.

*F62=Matrix spikes were not recovered due to sample dilution required prior to analysis.

*F65=Elevated detection limits were reported due to sample matrix interference which required sample or extract dilution.

*F73=Matrix spike recoveries were outside advisory limits due to matrix interference present in the sample.

*F79=Matrix spike recoveries and/or RPDs were outside advisory limits due to non-homogeneity of the sample.

Elizabeth L. Schneider

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. [illegible]

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0520013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
Z. [illegible]

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	[illegible]	[illegible]	[illegible]	CYANIDE 1 liter plastic [illegible]	[illegible]	[illegible]	[illegible]	TEMP BLANK	APPENDIX IX METALS 250 ml plastic [illegible]	TOTAL
50608-FW-00	SW0001	6-8-95	[illegible]	3			1	1	1	[illegible]		1	7
50608-FW-00	SW9001		—	3									3
50608-FW-00	SW0001MS		1130	3									3
50608-FW-00	SW0001MSD		1130	3									3
50608-FW-00	SWEB01		1000	3									3
50608-FW-00	SWEB02		0930	3									3
50608-FW-00	FB0001		0930	3									3
~~50608-FW-00~~	~~SW0002~~		~~[illegible]~~										
~~50608-FW-00~~	~~SW0004~~		~~1670~~										
50608-FW-00	TB0001	6-8-95	1600	3									3
TEMP BLANK											1		1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 29

Relinquished by: [signature]	Organization: [illegible]	Date 6/8/95	Time 2130	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by: [signature]	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization: SLES-TL T5-11690	Date 06/09/95	Time 0930	

Special Instructions/Remarks: Received ON, Hg, ~~OPP~~ Appx Metals and H_2S Parameters for samples 950608-FW-00-SW9001, -SW0001MS, -SW0001MSD, -~~SW~~ EB01, -FB0001 not listed on C.O.C. Received volatile samples labled 950608-FW-00-SW0002 and 950608-FW-00-SW0004, not shown on C.O.C.

Delivery Method: ☐ In Person ☒ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

Southprint 91-1768

000377

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH

Sampler(s)/Affiliation J. KIRKPATRICK
T. HUGHES

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION									TOTAL
				EPA 8015 Modified Amber 1 Liter 1 No Pres. Teflon Lined Cap	EPA 8270 Modified Amber 1 Liter 1 No Pres. Teflon Lined Cap	EPA 8150 Amber 1 Liter 1 No Pres. Teflon Lined Cap	EPA 8080 Amber 1 Liter 1 No Pres. Teflon Lined Cap	EPA 8240 Modified Amber 1 Liter 1 No Pres. Teflon Lined Cap		TEMP. BLANK			
1060	8-FW-00-SW0001	MS 6-8-95 1130		2	2	2	2	2					10
										1			1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 11

Relinquished by:	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2150	Seal Intact? Yes No N/A
Received by:	Organization: SCES-FT 75-11690	Date 06/09/95	Time 0930	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:
CONTACT CYNTHIA LEE (G&M) WITH QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED-X ☐ Lab Courier ☐ Other

CITY SP

000378

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8191 2 liter Amber no pres. / on ice	EPA 8270 2 liter Amber no pres. / on ice	EPA 8150 2 liter Amber no pres. / on ice	EPA 8080 2 liter Amber no pres. / on ice	EPA 8280 2 liter Amber no pres. / on ice		TEMP. BLANK			TOTAL
0608-FW-00-SW0001		MSD		2	2	2	2	2					10
		6-8-95								1			1
		1130											

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2130	Seal Intact?
Received by: [signature]	Organization: SLES-TL TS-11690	Date 06/09/95	Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Received (1) 250-l glass container for Barium not listed on S.O.C.
CONTACT CYNTHIA LEE (G&M) WITH QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

GM Form 09.2.91

Southprint 91 1768

000320

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8141 Organophosphorus pesticides 2 liter amber on ice	EPA 8270 2 liter amber no pres. / on ice	EPA 8150 2 liter amber no pres. / on ice	EPA 8080 2 liter amber no pres. / on ice	EPA 8280 2 liter amber no pres. / on ice		TEMP. BLANK			TOTAL
0608-FW-00-SW0001		6894 1130		2	2	2	2	2					10
TEMP BLANK										1			1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2130	Seal Intact?
Received by: [signature]	Organization: SCES-TL TS-11690	Date 06/09/95	Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☒ Common Carrier FED EX ☐ Lab Courier ☐ Other

Southprint 91 1768

000380

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF032.0013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8141 2 liter Amber no pres./on ice	EPA 8270 2 liter Amber no pres./on ice	EPA 8150 2 liter Amber no pres./on ice	EPA 8080 2 liter amber no pres./on ice	EPA 8280 2 liter amber no pres./on ice		TEMP. BLANK			TOTAL
0608-FW-00-SW9001		6-8-95		2	2	2	2	2					10
										1			1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95 Time 2130	Seal Intact?
Received by: [signature]	Organization: SLES-12 TS-11690	Date 06/09/95 Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / / Time	Seal Intact?
Received by:	Organization:	Date / / Time	Yes No N/A

Special Instructions/Remarks:
CONTACT CYNTHIA LEE (G+M) WITH QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

Southprint 91 1768

000381

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8141 2 liter Amber no pres./on ice	8270 2 liter Amber no pres./on ice	EPA 8150 2 liter Amber no pres./on ice	EPA 8080 2 liter Amber no pres./on ice	EPA 8280 2 liter Amber no pres./on ice		TEMP. BLANK			TOTAL
50608-FW-00-	FB0001	6-8-95		2	2	2	2	2					10
		0930								1			1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2130	Seal Intact?
Received by: [signature]	Organization: SLES-TL TS-11690	Date 06/09/95	Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:
CONTACT CYNTHIA LEE W/ QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX ☐ Lab Courier ☐ Other

Southprint 91 1768

000382

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8141 2 liter Amber no pres. on ice	EPA 8270 2 liter Amber no pres. on ice	EPA 8150 2 liter Amber no pres. on ice	EPA 8080 2 liter Amber no pres. on ice	EPA 8280 2 liter Amber no pres. on ice		TEMP. BLANK			TOTAL
~~0608-FW-00 SWEB01~~		~~M/DW~~		2	2	2	2	2					10
SWEB01										1			1
0608-FW-00-SWEB02		6-8-95 1000									Sample ID = -SDEB01 per Cindy Lee 6/9/95		

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95 Time 1130	Seal Intact?
Received by: [signature]	Organization: SLES-TL TS-11690	Date 06/09/95 Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / / Time	Seal Intact?
Received by:	Organization:	Date / / Time	Yes No N/A

Special Instructions/Remarks: Received (1) Liter amber glass container broken in shipment.
CONTACT CYNTHIA LEE W/ QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

SM Form 09.9.91 Southprint 91 1768

000383

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0520013

Project Location SLOSS INDUSTRIES

Laboratory SAVANNAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID		EPA 8270 [illegible]	CYANIDE [illegible]	[illegible] 250 ml [illegible]	[illegible]	[illegible]	TEMP BLANK			TOTAL
950608-FW-00-SW0002		6-8-95		1720	2	1	1	1					5
950608-FW-00-SW0004		6-8-95		1820	2	1	1	1					5
TEMP BLANK										1			1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 11

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2130	Seal Intact?
Received by: [signature]	Organization: SLES-TL TS-11690	Date 06/09/95	Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Did not receive Barium sample for ID # 950608-FW-00-SW0002

Delivery Method: ☐ In Person ☒ Common Carrier FED EX ☐ Lab Courier ☐ Other

Southprint 91-1768

000384

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8270/8080/8240/8250 1500 mL glass no pres/on ice	EPA 8240 100 mL glass no pres/on ice	Cyanide + Sulfide 100 mL plastic no pres/on ice	Appendix IX Mdx 100 mL glass no pres/on ice	EPA 8270 500 mL glass no pres/on ice	Priority Pollutant Metals + Barium 100 mL glass - on ice	Cyanide 100 mL plastic no pres - on ice	EPA 8280 100 mL glass on ice no pres	TEMP BLANK	EPA 8240 40 mL glass HCl + ice	TOTAL
50608-FW-00-SD0001		6-8-95	1130	1	1	1	1				1		4	5
50608-FW-00-SD9001			—	1	1	1	1				1		4	5
50608-FW-00-SD0002			1800		1			1	1	1			4	
50608-FW-00-SD0004			1850		1			1	1	1			4	
TEMP BLANK												1	1	
~~TRIP BLANK~~		~~5/20/95~~	~~1600~~	Awk 6-8-95									~~1~~	~~1~~ Awk 6-8-95
50608-FW-00-TB0002		5-20-95	1600										1	1

Awk 6-8-95

Awk 6-8-9

Total No. of Bottles/Containers 20

Sample Code: L = Liquid; S = Solid; A = Air

Relinquished by: [signature]	Organization: GERAGHTY & MILLER	Date 6/8/95	Time 2130	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by: Elijah Knight	Organization: SAVANNAH LAB T511640	Date 6/9/95	Time 0930	

Special Instructions/Remarks:
CONTACT CYNTHIA LEE W/ QUESTIONS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

Southprint 91-1768

000385

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number: TF0320013
Project Location: SLOSS INDUSTRIES
Laboratory: SAVANAH LAB
Sampler(s)/Affiliation: J. KIRKPATRICK, J. HUGHES

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: EPA 8240, 40 mL VOA Vial, HCl + ice	Appendix IX Metals, 250 mL plastic, HNO3 plus ice	CYANIDE, 1 liter plastic, NaOH plus ice	Mercury, 250 mL glass, HNO3 + ice	SULFIDE, 250 mL plastic, Zinc Acetate + ice	EPA 8270, 100 mL glass, no pres. / on ice	EPA 8080, 100 mL glass, no pres. / on ice	EPA 8141, 100 mL glass, no pres. / on ice	EPA 8150, 100 mL glass, no pres. / on ice	TOTAL
50609-FW-00-SW0005		6-9-95 1500		3	1	1	1	1					7
50609-FW-00-TB0003		5-30-95 1600		3									3
50609-FW-00-SD0005		6-9-95 1520							1	1	1	1	4
50609-FW-00-SW0003		6-9-95 1630		3		1			Mark 6995				4
50609-FW-00-SD0003		6-9-95 1650							1				1

Total No. of Bottles/ Containers: 19 cont. on next page

Sample Code: L = Liquid; S = Solid; A = Air

Relinquished by: [signature]	Organization: GERAGHTY + MILLER	Date 6/9/95	Time 1930	Seal Intact?	Yes No N/A
Received by: [signature]	Organization: SAVANNAH LAB	Date 6/10/95	Time 0930		
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	Yes No N/A
Received by:	Organization:	Date / /	Time		

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☒ Common Carrier FEDEX ☐ Lab Courier ☐ Other

TS-11702

Southpoint 91.1768

000386

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09946

CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES.

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	EPA 8240 100 mL glass NO pres./ ON ice	CYANIDE + SULFIDE 100 mL plastic NO pres./ ON ice	Appendix IX Metals 100 mL plastic NO pres./ ON ice	EPA 8270 1 liter Amber glass NO pres./ ON ice	PRIORITY POLLUTANT METALS 250 mL plastic HNO3 + ice	BARIUM 250 mL clear glass HNO3 + ice	CYANIDE 100 mL plastic NO pres./ ON ice	PRIORITY POLLUTANT METALS PLUS BARIUM 100 mL glass NO pres./ ON ice	TEMP. BLANK	TOTAL
50609-FW-00-SD0005		6-9-95 1520		1	1	1							3
50609-FW-00-SW0003		6-9-95 1630					2	1	1				4
50609-FW-00-SD0003		6-9-95 1650		1						1	1		4 3
TEMP BLANK												1	1

TOTAL THIS PAGE 10

Total No. of Bottles/ Containers 4 29 30

TOTAL BOTH PAGES

Per Cindy Lee, 3 doors need App-8280 & Hg as well (Complete App-9 list) 6-12-95 2:57PM

Sample Code: L = Liquid; S = Solid; A = Air

Relinquished by: J. Kirkpatrick	Organization: GERAGHTY & MILLER	Date 6/9/95	Time 1930	Seal Intact? Yes No N/A
Received by: Federal Express	Organization: SAVANNAH LABS	Date 6/10/95	Time 0930	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:
ONE SET APPENDIX IX SAMPLES
ONE SET "NORMAL" SLOSS PARAMETERS

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

75-11702

M Form 09.9.91

Southprint 91-1760

00387

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. 09746

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320013

Project Location SLOSS INDUSTRIES

Laboratory SAVANAH LAB

Sampler(s)/Affiliation J. KIRKPATRICK
J. HUGHES

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: EPA 8270 1 Liter Amber glass no pres. / on ice	EPA 8080 1 Liter Amber glass no pres. / on ice	EPA 8141 1 Liter Amber glass no pres. / on ice	EPA 8150 1 Liter Amber glass no pres. / on ice	EPA 8080 1 Liter Amber glass no pres. / on ice		TEMP. BLANK			TOTAL
609-FW-00-SW0005	G	6-9-95 1500		2	2	2	2	2					10
TEMP. BLANK										1			1

000288

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 11

				Seal Intact?
Relinquished by: J. Kirkpatrick	Organization: GERAGHTY + MILLER INC.	Date 6/9/95	Time 1930	
Received by:	Organization: SAVANNAH LABS	Date 6/10/95	Time 0930	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Report Questions to Cynthia Lee (G+M) / RECEIVED TWO (2) BROKEN LITER AMB GLASS SAMPLE # 950609-FW-00-SW0005

EPA 8150/8270

Delivery Method: ☐ In Person ☐ Courier ☐

I, J. W. GRASSLAND, am responsible for filing documents in the (Name of file) SLOSS IND, B'HAM file. The attached document, (Name of document) RFI - Facility Wide, VOL III of IV Analytical Data, Part 1 was originally submitted to the Alabama Department of Environmental Management in a 3-ring binder.

For ease of filing, only the binder has changed. No material has changed in the document. No other alterations have been made to said document, and it is otherwise in its original form as submitted to the Alabama Department of Environmental Management.

Done this 10TH of Feb, 1999.

Witness:

PART 2

RCRA FACILITY INVESTIGATION
FACILITY-WIDE
VOLUME III of IV: ANALYTICAL DATA

Prepared for

SLOSS INDUSTRIES CORPORATION
3500 35th Avenue North
Birmingham, Alabama 35207

February 1996

Prepared by

GERAGHTY & MILLER, INC.
Environmental Services
14497 North Dale Mabry Highway, Suite 115
Tampa, Florida 33618

VOLUME III

APPENDIX C

Investigation Derived Waste
Soil/Rock Cutting
Sampling Analytical Data

MEMORANDUM

TO: Pedro Fierro

FROM: Cynthia Arnold

DATE: December 18, 1995

SUBJECT: Sloss Industries Corporation (TF0320.013) Investigative Derived Waste (IDW) Soil/Rock Samples collected July 7th through August 14th of 1995, Level III Data Validation.

Thirty nine soil/rock samples classified as Investigative Derived Waste (IDW) were collected from waste drums at Sloss Industries Corporation, Birmingham Alabama. The drummed samples of soil/rock were cuttings from the installation of piezometers at the Birmingham facility. Samples were collected from July 7th through August 14th, 1995 and submitted to Guardian Systems Inc. in Leeds Alabama for analysis. Each IDW sample was analyzed for: Volatile Organic Compounds (EPA Method 8260), Semivolatile Organic Compounds (EPA Method 8270), and Priority Pollutant Metals plus Barium and Cyanide by EPA Methods 6010/7470/7471. Guardian Systems, Inc. is not a Geraghty & Miller contract laboratory, but was contracted directly to the client, Sloss Industries Corporation to perform the analyses of the IDW samples.

Field data were validated corresponding to the criteria set forth in the Geraghty & Miller Guidance Manual for the Contract Laboratory Program and the Geraghty & Miller Project QAP dated November 1994. The analytical results for soil/rock samples were validated according to the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1993) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994). Analytical results for both organic and inorganic compounds in soil/rock samples collected from drum cuttings were reported as Level III.

FIELD DATA

The daily logs and soil/sediment sampling logs were reviewed and determined to be acceptable. Each of the chain-of-custody(COC) forms accompanying the sample coolers delivered via courier to the laboratory had been properly completed by the field sampling team and signed by laboratory personnel at the time of sample receipt.

Field Quality Control Samples

Field quality control samples (equipment/rinsate blanks, trip blanks, and field replicates) were not collected in association with the IDW soil/rock samples.

LABORATORY DATA

Holding Times

Organics

All Method 8260, volatile organic compounds were analyzed within the advisory 14 day holding time criteria. All semivolatile organic compounds analyzed by Method 8270 were extracted within 14 days and analyzed within the specified 40 days from sample extraction.

Metals

Metals analyses were reviewed against the hold time criteria specified in the project QAP. All metals: antimony(Sb), arsenic(As), barium(Ba), beryllium(Be), cadmium(Cd), chromium(Cr), copper(Cu), cyanide, lead(Pb), mercury(Hg), nickel(Ni), selenium(Se), silver(Ag), thallium(Tl), and zinc(Zn) were analyzed within the specified hold time criteria with the exception of mercury(Hg) and cyanide. Samples analyzed outside of the recommended hold time criteria are suspected to yield bias low analytical results.

Nine mercury samples were analyzed outside of the 28 day hold time criteria. Mercury(Hg) samples analyzed less than five days past the specified hold time were qualified as **UJ**/Estimated non-detected; SL0027, SL0006S, and SL0006S. Those samples analyzed greater than five days past the hold time were qualified as **R**/Unusable; SL0018, SL0019S, SL0019D, SL0026, SL0004, and SL0002. Mercury samples SL0004 and SL0002 contained trace amounts of mercury but, were analyzed 18 days past the hold time criteria.

Thirty four of the thirty nine cyanide samples were analyzed outside of the 14 day hold time criteria. Nine samples were analyzed one day outside of the hold time criteria were not qualified. Four samples analyzed three days past hold time were qualified as **UJ**/Estimated non-detected for sample SL0004, and **J**/Estimated for samples; SL0002, SL0003, and SL0007. Detected sample results analyzed less than ten days past the 14 day hold time were qualified as **J**/Estimated for samples SL0006S, and SL0006D. Non-detected sample results analyzed less than ten days past the 14 day hold time were qualified as **R**/Unusable for sample SL0027. Analytical results for samples analyzed greater than 10 days past the 14 day hold time were qualified as **R**/Unusable; SL0018, SL0019S, SL0017, SL0005, SL0025, SL0020, SL0021, SL0009, SL0013D, SL0015, SL0016, SL0012, SL0014, SL0011, SL0010, SL0022, SL0023, and SL0024D.

Detection Limits

All analytical results were reported as dry weight. Considering the percent solid content of each independent sample matrix the PQL was elevated appropriately. Similarly, samples requiring dilutions due to matrix interference and/or high concentrations of target analytes resulted in elevated detection limits. In all cases, no data warranted qualification.

Volatiles

In most cases the laboratory was able to achieve the detection limits for the analytes outlined in the project QAP. The laboratory was unable to achieve the required detection limits for soil analyses for the following volatile organic compounds; 2-chloroethyl vinyl ether, trans-1,4-dichloro-2-butene, ethyl methacrylate, and vinyl acetate, as they were below the laboratory's established practical quantitation limits (PQLs). No action was taken with the laboratory as a result of these elevated detection limits, due to the fact that these compounds exhibited poor responses.

Detection Limits

Semivolatiles

The laboratory was able to meet all of the detection limits specified in the project QAP. Several samples required dilutions due to matrix interference. Each sample dilution was reviewed and showed that the appropriate reporting limits were demonstrated.

Metals

The laboratory was unable to achieve the required detection limits for the following metals compounds; arsenic(1.5mg/Kg), copper(3.0mg/Kg), zinc(5.0mg/Kg), and mercury(0.05mg/Kg). Several arsenic samples required a 1:2 dilution due to matrix interference, thus elevating the reporting limit to 3.0mg/Kg.

Instrument Performance Checks

Volatiles

Gas chromatograph/mass spectrometer(GC/MS) instrument performance checks (formerly referred to as tuning) are performed to ensure mass resolution, identification, and to some degree, sensitivity. An instrument performance check, bromofluorobenzene (BFB) for volatile analysis, was analyzed at the beginning of each 12 hour analytical period. All instrument performance checks were acceptable.

Semivolatiles

Semivolatile compound decafluorotriphenylphosphine (DFTPP) was analyzed at the beginning of each 12 hour period. The ion abundances for each instrument performance check were acceptable.

Calibration

Volatiles

The initial calibration for volatile organic compounds was performed on July 17th, 1995. Target compounds were reviewed against the National Functional Guidelines criteria: a) The average Relative Response Factor (RRF) must be greater than or equal to 0.05, and b) The Percent Relative Standard Deviation (%RSD) must be less than or equal to 30%. All target compounds RRF were greater than or equal to 0.05 with the exception of the following: acrolein 0.035, vinyl acetate 0.017, methyl ethyl ketone 0.037, and 2-chloroethyl vinyl ether 0.022. Analytical results for these four compounds were reviewed. All results were non-detected and were qualified as R/unusable due to the suspected bias low results. All target compounds %RSD were greater than or equal to 30% with the exception of 1,4-dichloro-2-butene 44% RSD, all results were non-detected for this compound and did not warrant any qualification.

All continuing calibrations were reviewed against the National Functional Guidelines criteria: a) RRF muster be greater than or equal to 0.05, and b) The percent difference (%D) must be $\pm$ 25%. This criteria was met for all targets compounds with the exception of those compounds listed as failing to meet the initial calibration criteria.

Semivolatiles

The thirty nine soil/rock samples were presented in four separate semivolatile data packages. Each initial calibration was reviewed by the same criteria as volatile organic compounds, listed above. All target compounds met the $\geq$ 0.05 RRF criteria. All semivolatile compounds met the $\leq$ 30% RSD criteria with the following exceptions; initial calibration dated 08/06/95-2,4-dinitrophenol(54.6%RSD), 4,6-dinitro-2-

Calibration

Semivolatiles (Continued)

methylphenol(36.2%RSD), pentachlorophenol(39.1%RSD), benzo(b) fluoranthene(42.4%RSD), and benzo(k) fluoranthene(39.0%RSD), initial calibrations dated 08/14/95 and 08/20/95-2,4-dinitrophenol(62.5% and 61.7%RSD), 4,6-dinitro-2-methylphenol(42.9% and 34.2%RSD), and initial calibration dated 08/22/95-2,4-dinitrophenol(42.3%RSD). In accordance with the National Functional Guidelines only positive analytical results are qualified due to the suspected bias high analytical results. After a thorough review of the analytical data, no sample qualification was necessary in all instances with the exception of pentachlorophenol detected at 5551 ug/Kg in sample 950710-FW-IW-SL0019S was qualified as **J**/estimated.

Metals

Initial calibration curves for each analyte were reviewed and 10% were checked against the raw data. Initial calibration verification (ICV) and continuing calibration verification (CCV) checks were reviewed for each analyte and compared with the quality control(QC) limits. All ICV and CCV criteria was acceptable.

Method Blanks

Volatiles

A method blank was analyzed during each 12 hour analytical sequence for volatile organic compounds. Several method blanks contained detectable concentrations of acetone and methylene chloride. Both acetone and methylene chloride are target analytes for volatile organic compounds listed in Method 8260 but, are also recognized by the EPA as common laboratory contaminants. Analytical results were reviewed according to the USEPA National Functional Guidelines criteria where the concentration of analyte detected in the method blank is multiplied by ten to obtain the maximum allowable contamination level to be applied to the analytical sample results. Positive analytical results below the maximum allowable contamination level are qualified as **U**/non-detected. According to EPA validation criteria the following analytical results were qualified as **U**/non-detected for acetone; 950711-FW-IW-SL0019D(72ug/Kg), 950713-FW-IW-SL0027(77ug/Kg), and the following analytical results were qualified as **U**/non-detected for methylene chloride ; 950710-FW-IW-SL0019S(8ug/Kg) and 950711-FW-IW-SL0026(9ug/Kg).

Semivolatiles

Semivolatile method blanks were extracted with each analytical batch of samples. The purpose of a laboratory or method blank analysis is to demonstrated the existence and magnitude of laboratory contamination problems resulting from laboratory activities. Semivolatile method blanks were reviewed for each 12 hour analytical period. Each method blank exhibited concentrations of both di-n-phthalate ranging from 0.76 to 228ug/Kg and bis(ethyl-hexyl)phthalate ranging from 1.67 to 296ug/Kg. A thorough review of all sample results and the raw quantitation reports concluded that each sample contained detectable concentrations of one or both phthalates. Several samples had trace amounts of phthalates which were below the reporting limit. According to the USEPA National Functional Guidelines, phthalates are a recognized laboratory contaminate and detectable concentrations found in a blank should be multiplied by ten to obtain the maximum allowable contamination level to be applied to the analytical sample results. Applying this criteria to the analytical sample results the following samples were qualified as **U**/non-detected for bis(ethyl-hexyl)phthalate; sample SL0019S(753ug/Kg), SL0020(1373ug/Kg), SL0016(442ug/Kg), SL0022(598ug/Kg), SL0000(530ug/Kg), SL0013S(475ug/Kg), and as **U**/non-detected for di-n-butylphthalate; SL0007(1433ug/Kg), SL0020(1380ug/Kg), SL0011(712ug/Kg),

Method Blanks

Semivolatiles (Continued)
SL0030(1532ug/Kg), SL0028D(832ug/Kg), SL0032(1018ug/Kg), and SL0000(732ug/Kg). Several samples resulted in detectable phthalate concentrations above the maximum allowable contamination level which did not warrant qualification.

Metals

Method blanks and continuing calibration blanks were reviewed for each analyte. No contamination was found in any of the metals blanks.

System Monitoring Compounds/Surrogates

Surrogate spikes were added to all blanks, standards, and samples analyzed for semivolatile and volatile organic compounds to monitor analytical performance. Surrogates are special non-target compounds which possess the same physical properties as target analytes. Surrogate results are expressed as percent recovery and were compared to the control limits specified in the analytical method. All surrogate recoveries for EPA Method 8260 and 8270 were acceptable.

Matrix Spike Sample Analysis

Volatiles

Four samples were selected for matrix spike/matrix spike duplicate (MS/MSD) analysis; 950713-FW-IW-SL0027(a-f), 950720-FW-IW-SL0016, 950720-FW-IW-SL0024S, and 950810-FW-IW-SL0001S Data generated from MS/MSD are used to determine precision and accuracy of the analytical method on various matrices. Each sample matrix was spike with the Method 8260 analyte list. Matrix spike recoveries and percent Relative Percent Difference (RPD) were reviewed. Quality control limits were met for each sample with the exception of matrix spike recoveries for acetone, ethyl methacrylate, 2-hexanone, 1,2,3-trichloropropane, and styrene were higher than the upper control limit, no data was affected.

Semivolatiles

Three samples were selected for matrix spike/matrix spike duplicate (MS/MSD) analysis; 950713-FW-IW-SL0006S, 950720-FW-IW-SL0014, and 950810-FW-IW-SL0001S. Matrix spike recoveries and percent Relative Percent Difference (RPD) were reviewed and determined to be acceptable.

Metals

Laboratory quality control for metals parameters consisted of following; a batch laboratory control standard(LCS)/laboratory control standard duplicate(LCSD) and a matrix spike(MS)/matrix spike duplicate(MSD). All percent recoveries and relative percent differences were acceptable.

Conclusion

All field and laboratory data generated during the IDW sampling event was reviewed for completeness. Four volatile organic compounds(VOC) failed to meet the initial calibration response factor criteria and all non-detected sample results were qualified as R/Unusable. Four VOC samples were qualified as U/non-detected due to method blank contamination. One semivolatile sample was qualified as J/Estimated for pentachlorophenol due to an elevated RSD in the initial calibration. Semivolatile samples SL0019S and SL0017 contained similar concentrations of the same analytes used in the laboratory spiking solution. Both SL0019S and SL0017 will be resampled and reanalyzed for semivolatile organic compounds. Semivolatile method blanks contained detectable concentrations of bis(ethyl-hexyl) phthalate and di-n-butylphthalate. A through review of the analytical data revealed that both phthalates detected in the method blanks were also detected in each analytical sample. Several samples were qualified as U/non-detected based on the concentrations of each analyte detected in the method blanks. However, several samples contained phthalates at concentrations above the maximum allowable contamination limit and were not qualified. The following samples will be resampled and analyzed to confirm phthalate results: SL0004, SL0022, SL0023, SL0024, and SL0025. Six mercury and nineteen cyanide samples were qualified as R/Unusable due to the laboratories failure to analyze the samples within the specified holding time. Mercury and cyanide samples which were qualified as R/Unusable will be resampled and reanalyzed.

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss Industries
PROJECT NUMBER: TF0320.013
SAMPLING DATE: July 7th - August 14, 1995 VALIDATION DATE: 1/8/96
SAMPLE IDENTIFICATION: IDW Soils (39)

SAMPLING TEAM: Kathy Thalman
ANALYZING LABORATORY: Guardian Systems
ANALYSES PERFORMED: Volatile Organic Compounds / EPA Method 8260

SAMPLE MATRIX: Soil/Rocks
QA REPORTING LEVEL: III

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS: 1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED	—	X	—	X	—
2. SAMPLING TEAM INDICATED	—	X	—	X	—
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED	—	X	—	X	—
4. SAMPLE LOCATION	—	X	—	X	—
5. SAMPLE DEPTH FOR SOILS	X	—	—	X	—
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC	—	X	—	X	—
7. FIELD SAMPLE PREPARATION TECHNIQUES	—	X	—	X	—
8. SAMPLE TYPE (GRAB, COMPOSITE)	—	X	—	X	—
9. SAMPLE CONTAINER TYPE	—	X	—	X	—
10. PRESERVATION METHODS	[a] X	—	—	X	—
11. CHAIN OF CUSTODY FORM COMPLETED	—	X	—	X	—
12. REQUIRED ANALYTICAL METHODS REQUESTED	—	X	—	X[b]	—
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED	—	X	—	X	—
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	X	—	X[c]	—	—
15. FIELD EQUIPMENT CALIBRATION	X	—	—	X	—
16. FIELD EQUIPMENT DECONTAMINATION	—	X	—	X	—
17. SAMPLE SHIPPING	X[d]	—	—	X	—
18. LABORATORY TASK ORDER	X[e]	—	—	X	—

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS:
a. No preservation necessary for soil/rock samples
b. EPA Method 8240 was requested. The laboratory used a comparable method (EPA Method 8260).
c. Equipment/rinsate blanks should have been collected.
d. Samples were couried to the laboratory.
e. LTO were not available for review.

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		X		X	
2. PARAMETERS ANALYZED		X		X	
3. METHOD OF ANALYSIS		X		X[a]	
4. DETECTION LIMITS OF ANALYSIS		X		X[b]	
5. MASTER TRACKING LIST		X		X	
6. SAMPLE COLLECTION DATE		X		X	
7. LAB SAMPLE RECEIVED DATE		X		X	
8. SAMPLE PREPARATION/EXTRACTION DATE		X		X	
9. SAMPLE ANALYSIS DATE		X		X	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		X		X	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		X		X	

COMMENTS: a. VOC were analyzed & reported as EPA Method 8260.
b. Four VOC compounds did not meet the QAPP reporting limits (see Validation memorandum)

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS[2] OR RWS[3] % RECOVERY (%R)					
3. MSD[4] OR RWSD[5] OR LD[6] %R					
4. RPD[7]					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I

REQUIREMENTS	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. WATER BLANKS					
2. EXTRACTION BLANKS					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

COMMENTS:

QA REPORTING LEVEL: II

REQUIREMENTS

A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. WATER BLANKS					
2. EXTRACTION BLANKS					
3. MS[4/] (BATCH SPECIFIC)					
4. MSD[5/] (BATCH SPECIFIC)					
5. LD[6/] (OPTIONAL)					
6. MS/MSD RPD OR SAMPLE/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

1. WATER BLANKS					
2. EXTRACTION BLANKS					
3. MS (BATCH SPECIFIC)					
4. MSD (BATCH SPECIFIC)					
5. LD (OPTIONAL)					
6. MS/MSD RPD OR SAMPLE/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. SURROGATE SPIKES					

COMMENTS:

1/ RWS = REAGENT WATER SPIKE; 2/ RWSD = REAGENT WATER SPIKE DUPLICATE;
3/ RPD = RELATIVE PERCENT DIFFERENCE; 4/ MS = MATRIX SPIKE;
5/ MSD = MATRIX SPIKE DUPLICATE; 6/ LD = LAB DUP

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II; REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS % RECOVERY (%R)					
3. MSD OR LAB DUPLICATE % R					
4. RWS % R					
5. RWSD % R					
6. RPDS FOR MS/MSD, SAMPLE/LD, RWS/RWSD					
7. LCS[8] %R					
8. ICVS [9] %R					

COMMENTS: _____

QA REPORTING LEVEL: III. REQUIREMENTS (SAMPLE SPECIFIC QA)[10]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. CALIBRATION CURVE STANDARDS					
2. ICVS %R					
3. CCVS[11] %R					
4. LCS %R					
5. METHOD BLANKS					
6. ICS[12] %R (ICP ONLY)					
7. DCS[13] %R (ICP ONLY)					
8. MS %R					
9. LD OR MSD %R AND RPD					
10. POST DIGESTION ANALYTICAL SPIKE[14]					

COMMENTS: _____

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE CONTINUED

ORGANIC ANALYSES Volatiles

QA REPORTING LEVEL: III
REQUIREMENTS

A. GAS CHROMATOGRAPH OR WET CHEMISTRY	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. WATER BLANKS (VOC)					
2. EXTRACTION BLANKS					
3. MS[1] %R SAMPLE SPECIFIC					
4. MSD[2] %R SAMPLE SPECIFIC					
5. LD[3] SAMPLE SPECIFIC (OPTIONAL)					
6. MS/MSD RPD[4] OR SAMPLE/LD RPD					
7. RWS[5]					
8. RWSD[6]					
9. RWS/RWSD RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER					
1. BFB OR DFTPP TUNING[7]		X		X	
2. INITIAL CALIBRATION (IC)		X		X	
A. SPCC COMPOUNDS (RRF[8] >0.3/0.05)		X		X	
B. CCC COMPOUNDS (RSD[9] < 30%)		X		X	
C. OTHER COMPOUNDS (RRF > 0.05)		X		X[a]	
3. CONTINUING CALIBRATION (CC)		X		X	
A. SPCC COMPOUNDS (RRF >0.3/0.05)		X		X	
B. CCC COMPOUNDS (MAX %D[10] < 25%)		X		X	
C. OTHER COMPOUNDS (RRF >0.05)		X		X	
4. WATER BLANKS		X[b]		X	
5. EXTRACTION BLANKS	X		X		X
6. RWS	X		X[c]		
7. RWSD	X		X[c]		
8. RWS/RWSD RPD	X		X[c]		
9. MS (SAMPLE SPECIFIC)		X		X	
10. MSD (SAMPLE SPECIFIC)		X		X	
11. SURROGATE SPIKE		X		X	

COMMENTS: a. 4 VOC compounds did not meet the ≥0.05 RF criteria
b. Method blk. analyzed 07/18/95 contained MeCl2 and Acetone
c. Blank Spikes were not analyzed by Canadian Systems

1/ MS = MATRIX SPIKE; 2/ MSD = MATRIX SPIKE DUPLICATE; 3/ LD = LAB DUP
4/ RPD = RELATIVE PERCENT DIFFERENCE; 5/ RWS = REAGENT WATER SPIKE;
6/ RWSD = REAGENT WATER SPIKE DUPLICATE; 7/ BFB TUNING IS FOR VOLATILES AND DFTPP TUNING IS FOR SEMI-VOLATILES (BNA EXTRACTABLES). 8/ RRF = RELATIVE RESPONSE FACTOR;
9/ RSD = RELATIVE STANDARD DEVIATION; 10/ %D = PERCENT DIFFERENCE;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY Volatiles

PROJECT NAME: Gloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

ALL QA REPORTING LEVELS (I, II, III)

SUMMARY OF CHECKLIST FINDINGS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. FIELD MEASUREMENTS OF pH AND SPECIFIC CONDUCTANCE ARE CONSISTENT WITH HISTORICAL DATA	x			x	
2. FIELD RECORDS		x		x	
3. METHODS (GEN. INFO. SECTION ONE)		x		x	
4. HOLDING TIMES (MASTER SAMPLE LIST)					
A. EXTRACTION HOLDING TIMES		x		x	
B. ANALYSIS HOLDING TIMES		x		x	
5. DETECTION LIMITS (SECTION ONE)		x[a]		x	
6. BLANKS (SECTIONS TWO OR THREE)					
A. EQUIPMENT RINSATE BLANKS	x[b]		x		
B. FIELD BLANKS	x[b]		x		
C. TRIP BLANKS	x[b]		x		
D. LABORATORY BLANKS		x		x	
7. FIELD REPLICATES	x			x	
8. FIELD SPLITS	x			x	
9. GEOPHYSICAL COMPARISONS					
A. CATION VS ANION	x				x
B. TDS VS SPEC. CONDUCTANCE	x				x
C. pH VS ALK/ACIDITY	x				x
D. OTHER	x				x
10. METALS QA DATA (SECTION TWO)	[c]				
11. INORGANIC WET CHEMISTRY (SEC. TWO)	x				x
12. ORGANIC QA DATA-GC (SECTION THREE-A)	x				x
13. ORGANIC WET CHEMISTRY (SEC. THREE-A)	x				x
14. ORGANIC QA DATA-GC/MS (SEC. THREE-B)		x		x	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.
COMMENTS:
a. Elevated reporting were reported for the following VOC compounds 2-Chloroethyl vinyl ether, trans-1,4-dichloro-2-butene, ethyl methacrylate, vinyl acetate.
b. Equipment/rinsate, field, and trip blanks were not reported during the IDW soil/rock sampling and analysis.
c. Metals validation will be reported separately.

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING Volatiles

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
1. R CODE	All non-detected sample results	Acrolein, Vinyl acetate, Methyl Ethyl ketone, 2-Chloroethyl Vinyl Ether (<0.05 RF)
B CODE		
2. U CODE	SL00190, SL00027, SL00195, SL00026	Acetone, Methylene Chloride } Method blank analyzed on 07/18/95
J CODE		
U/J CODE		

EXPLANATION:
All of the qualification listed above is for VOC analysis.
1. VOC compounds which failed to meet the >0.05 RF criteria
2. Method Blank analyzed 07/18/95.

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED: Cindy Arnold

DATE: 1/5/96

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss Industries
PROJECT NUMBER: TF0320.013
SAMPLING DATE: July 7th - August 14, 1995 VALIDATION DATE: 1/5/96
SAMPLE IDENTIFICATION: ITEM Soils (39)

SAMPLING TEAM: Kathy Thalman
ANALYZING LABORATORY: Guardian Systems
ANALYSES PERFORMED: Semivolatiles b / EPA Method 8270

SAMPLE MATRIX: Soil/Rocks
QA REPORTING LEVEL: III

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS: 1/	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED		X		X	
2. SAMPLING TEAM INDICATED		X		X	
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED		X		X	
4. SAMPLE LOCATION		X		X	
5. SAMPLE DEPTH FOR SOILS	X			X	
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC		X		X	
7. FIELD SAMPLE PREPARATION TECHNIQUES		X		X	
8. SAMPLE TYPE (GRAB, COMPOSITE)		X		X	
9. SAMPLE CONTAINER TYPE		X		X	
10. PRESERVATION METHODS	a X			X	
11. CHAIN OF CUSTODY FORM COMPLETED		X		X	
12. REQUIRED ANALYTICAL METHODS REQUESTED		X		b X	
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED		X		X	
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	X		c X		
15. FIELD EQUIPMENT CALIBRATION	X			X	
16. FIELD EQUIPMENT DECONTAMINATION		X		X	
17. SAMPLE SHIPPING	d X			X	
18. LABORATORY TASK ORDER	e X			X	

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS:

a. No preservation necessary for soil/rock samples.
b. EPA Method 8270
c. Equipment/rinsate blanks should have been collected.
d. Samples were delivered to the laboratory via courier.
e. LTO were not available for review.

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION Semivolatiles

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		X		X	
2. PARAMETERS ANALYZED		X		X	
3. METHOD OF ANALYSIS		X		X	
4. DETECTION LIMITS OF ANALYSIS		X		X	
5. MASTER TRACKING LIST		X		X	
6. SAMPLE COLLECTION DATE		X		X	
7. LAB SAMPLE RECEIVED DATE		X		X	
8. SAMPLE PREPARATION/EXTRACTION DATE		X		X	
9. SAMPLE ANALYSIS DATE		X		X	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		X		X	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		X		X	

COMMENTS: _____

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES
METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I

REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS[2] OR RWS[3] % RECOVERY (%R)					
3. MSD[4] OR RWSD[5] OR LD[6] %R					
4. RPD[7]					

COMMENTS: _____

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE;
3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.;
5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE;
7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I
REQUIREMENTS

	Reported		In Limits		Not
	No	Yes	No	Yes	Required
1. Water Blanks					
2. Extraction Blanks					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

Comments:

QA REPORTING LEVEL: II
REQUIREMENTS

A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. Water Blanks					
2. Extraction Blanks					
3. MS[4/] (Batch Specific)					
4. MSD[5/] (Batch Specific)					
5. LD[6/] (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

1. Water Blanks					
2. Extraction Blanks					
3. MS (Batch Specific)					
4. MSD (Batch Specific)					
5. LD (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

COMMENTS:

1/ RWS = Reagent Water Spike; 2/ RWSD = Reagent Water Spike Duplicate;
3/ RPD = Relative Percent Difference; 4/ MS = Matrix Spike;
5/ MSD = Matrix Spike Duplicate; 6/ LD = Lab Dup

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	 YES	IN LIMITS NO	 YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS % RECOVERY (%R)					
3. MSD OR LAB DUPLICATE % R					
4. RWS % R					
5. RWSD % R					
6. RPDs FOR MS/MSD, SAMPLE/LD, RWS/RWSD					
7. LCS[8] %R					
8. ICVS [9] %R					

COMMENTS: _____

QA REPORTING LEVEL: III REQUIREMENTS (SAMPLE SPECIFIC QA)[10]	REPORTED NO	 YES	IN LIMITS NO	 YES	NOT REQUIRED
1. CALIBRATION CURVE STANDARDS					
2. ICVS %R					
3. CCVS[11] %R					
4. LCS %R					
5. METHOD BLANKS					
6. ICS[12] %R (ICP ONLY)					
7. DCS[13] %R (ICP ONLY)					
8. MS %R					
9. LD OR MSD %R AND RPD					
10. POST DIGESTION ANALYTICAL SPIKE[14]					

COMMENTS: _____

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE CONTINUED

ORGANIC ANALYSES

QA REPORTING LEVEL: III
REQUIREMENTS

A. GAS CHROMATOGRAPH OR WET CHEMISTRY	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. WATER BLANKS (VOC)					
2. EXTRACTION BLANKS					
3. MS[1/] %R SAMPLE SPECIFIC					
4. MSD[2/] %R SAMPLE SPECIFIC					
5. LD[3/] SAMPLE SPECIFIC (OPTIONAL)					
6. MS/MSD RPD[4/] OR SAMPLE/LD RPD					
7. RWS[5/]					
8. RWSD[6/]					
9. RWS/RWSD RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER		Semivolatiles			
1. BFB OR DFTPP TUNING[7/]		X		X	
2. INITIAL CALIBRATION (IC)		X		X	
A. SPCC COMPOUNDS (RRF[8/] >0.3/0.05)		X		X	
B. CCC COMPOUNDS (RSD[9/] < 30%)		X		X[a]	
C. OTHER COMPOUNDS (RRF > 0.05)		X		X	
3. CONTINUING CALIBRATION (CC)		X		X	
A. SPCC COMPOUNDS (RRF >0.3/0.05)		X		X	
B. CCC COMPOUNDS (MAX %D[10/] < 25%)		X		X	
C. OTHER COMPOUNDS (RRF >0.05)		X		X	
4. WATER BLANKS		X		X	
5. EXTRACTION BLANKS		X	X[b]		
6. RWS	X		X[c]		
7. RWSD	X		X[c]		
8. RWS/RWSD RPD	X		X[c]		
9. MS (SAMPLE SPECIFIC)		X		X	
10. MSD (SAMPLE SPECIFIC)		X		X	
11. SURROGATE SPIKE		X		X	

COMMENTS: a. Sample SLO0193 qualified "J" for Pentachlorophenol (39% RSD.
b. Each Method blank contained phthalates.
c. Guardian did not perform blank spikes.

1/ MS = MATRIX SPIKE; 2/ MSD = MATRIX SPIKE DUPLICATE; 3/ LD = LAB DUP
4/ RPD = RELATIVE PERCENT DIFFERENCE; 5/ RWS = REAGENT WATER SPIKE;
6/ RWSD = REAGENT WATER SPIKE DUPLICATE; 7/ BFB TUNING IS FOR VOLATILES AND DFTPP TUNING IS FOR SEMI-VOLATILES (BNA EXTRACTABLES). 8/ RRF = RELATIVE RESPONSE FACTOR;
9/ RSD = RELATIVE STANDARD DEVIATION; 10/ %D = PERCENT DIFFERENCE;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY Semivolatiles

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

ALL QA REPORTING LEVELS (I, II, III)

SUMMARY OF CHECKLIST FINDINGS

	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	PERFORMANCE NOT REQUIRED
1. FIELD MEASUREMENTS OF PH AND SPECIFIC CONDUCTANCE ARE CONSISTENT WITH HISTORICAL DATA	X				X
2. FIELD RECORDS		X		X	
3. METHODS (GEN. INFO. SECTION ONE)		X		X	
4. HOLDING TIMES (MASTER SAMPLE LIST)					
A. EXTRACTION HOLDING TIMES		X		X	
B. ANALYSIS HOLDING TIMES		X		X	
5. DETECTION LIMITS (SECTION ONE)		X		X	
6. BLANKS (SECTIONS TWO OR THREE)					
A. EQUIPMENT RINSATE BLANKS	X[a]			X	
B. FIELD BLANKS	X[a]			X	
C. TRIP BLANKS	X[a]			X	
D. LABORATORY BLANKS		X	X[b]		
7. FIELD REPLICATES	X			X	
8. FIELD SPLITS	X			X	
9. GEOPHYSICAL COMPARISONS					
A. CATION VS ANION	X			X	X
B. TDS VS SPEC. CONDUCTANCE	X			X	X
C. PH VS ALK/ACIDITY	X			X	X
D. OTHER	X			X	X
10. METALS QA DATA (SECTION TWO)	C.				
11. INORGANIC WET CHEMISTRY (SEC. TWO)	X				X
12. ORGANIC QA DATA-GC (SECTION THREE-A)	X				X
13. ORGANIC WET CHEMISTRY (SEC. THREE-A)	X				X
14. ORGANIC QA DATA-GC/MS (SEC. THREE-B)		X		X	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.

COMMENTS: a. Equipment/rinsate, field, and trip blanks were not collected w/ the TDW soil/rock samples.
b. Laboratory blanks showed phthalate contamination. Each sample also contained phthalates.
C. metals validation will be reported separately.

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING Semivolatiles

PROJECT NAME: Sioux Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE	SL00195, SL0020 SL0016, SL0022 SL0000, SL00135	Bis(ethyl-hexyl) phthalate Method blank contamination
J CODE	SL00195	Pentachlorophenol 39% RSD Initial Cal. 08/06/9=
U/J CODE		

EXPLANATION:
All of the qualification listed above is for Semivolatiles analysis.
* See additional page of qualifiers

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED: Cindy Arnold

DATE: 1/5/96

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING Semivolatiles

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE		
B CODE		
U CODE	SL0000, SL0007, SL0020, SL0011, SL0030, SL0028D, SL0032	Di-n-butylphthalate, Method blank contamination
J CODE		
U/J CODE		

EXPLANATION:

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED: Cindy Arnold

DATE: 1/5/96

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss Industries
PROJECT NUMBER: TF0320.013
SAMPLING DATE: July 7th - August 14, 1995 VALIDATION DATE: 1/5/96
SAMPLE IDENTIFICATION: IBW Soils (39)

SAMPLING TEAM: Kathy Thalman
ANALYZING LABORATORY: Guardian Systems
ANALYSES PERFORMED: Priority Pollutant Metals plus barium and cyanide

SAMPLE MATRIX: Soil/Rocks
QA REPORTING LEVEL: III

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS:[1]	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED		X		X	
2. SAMPLING TEAM INDICATED		X		X	
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED		X		X	
4. SAMPLE LOCATION		X		X	
5. SAMPLE DEPTH FOR SOILS	X			X	
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC		X		X	
7. FIELD SAMPLE PREPARATION TECHNIQUES		X		X	
8. SAMPLE TYPE (GRAB, COMPOSITE)		X		X	
9. SAMPLE CONTAINER TYPE		X		X	
10. PRESERVATION METHODS	a X			X	
11. CHAIN OF CUSTODY FORM COMPLETED		X		X	
12. REQUIRED ANALYTICAL METHODS REQUESTED		X		b X	
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED		X		X	
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	X		c X		
15. FIELD EQUIPMENT CALIBRATION	X			X	
16. FIELD EQUIPMENT DECONTAMINATION		X		X	
17. SAMPLE SHIPPING	d X			X	
18. LABORATORY TASK ORDER	e X			X	

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS:
a. No preservation necessary for soil/rock samples.
b. Samples were analyzed by a comparable method.
c. Equipment/rinsate blanks should have been collected.
d. Samples were delivered to the laboratory via courier.
e. LTO's were not available for review.

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION *Metals*

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		X		X	
2. PARAMETERS ANALYZED		X		X	
3. METHOD OF ANALYSIS		X		X	
4. DETECTION LIMITS OF ANALYSIS		X	[a] X		
5. MASTER TRACKING LIST		X		X	
6. SAMPLE COLLECTION DATE		X		X	
7. LAB SAMPLE RECEIVED DATE		X		X	
8. SAMPLE PREPARATION/EXTRACTION DATE		X		X	
9. SAMPLE ANALYSIS DATE		X		X	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		X		X	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		X		X	

COMMENTS: *Four metal compounds did not meet the project QAP detection limits; As 1.5 mg/kg, Cr 3.0 mg/kg, Zn 5.0 mg/kg, and Hg 0.05 mg/kg.*

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS[2] OR RWS[3] % RECOVERY (%R)					
3. MSD[4] OR RWSD[5] OR LD[6] %R					
4. RPD[7]					

COMMENTS:

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I_
REQUIREMENTS_____

	Reported		In Limits		Not
	No	Yes	No	Yes	Required
1. Water Blanks					
2. Extraction Blanks					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

Comments: _____

QA REPORTING LEVEL: II
REQUIREMENTS
A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. Water Blanks					
2. Extraction Blanks					
3. MS[4/] (Batch Specific)					
4. MSD[5/] (Batch Specific)					
5. LD[6/] (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

1. Water Blanks					
2. Extraction Blanks					
3. MS (Batch Specific)					
4. MSD (Batch Specific)					
5. LD (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

COMMENTS: _____

1/ RWS = Reagent Water Spike; 2/ RWSD = Reagent Water Spike Duplicate;
3/ RPD = Relative Percent Difference; 4/ MS = Matrix Spike;
5/ MSD = Matrix Spike Duplicate; 6/ LD = Lab Dup

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES Metals

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS % RECOVERY (%R)					
3. MSD OR LAB DUPLICATE % R					
4. RWS % R					
5. RWSD % R					
6. RPDS FOR MS/MSD, SAMPLE/LD, RWS/RWSD					
7. LCS[8] %R					
8. ICVS [9] %R					

COMMENTS: _____

QA REPORTING LEVEL: III REQUIREMENTS (SAMPLE SPECIFIC QA)[10]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. CALIBRATION CURVE STANDARDS		X		X	
2. ICVS %R		X		X	
3. CCVS[11] %R		X		X	
4. LCS %R		X		X	
5. METHOD BLANKS		X		X	
6. ICS[12] %R (ICP ONLY)	X				X
7. DCS[13] %R (ICP ONLY)	X				X
8. MS %R		X		X	
9. LD OR MSD %R AND RPD		X		X	
10. POST DIGESTION ANALYTICAL SPIKE[14]		X		X	

COMMENTS: _____

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE CONTINUED

ORGANIC ANALYSES

QA REPORTING LEVEL: III
REQUIREMENTS

A. GAS CHROMATOGRAPH OR WET CHEMISTRY	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. WATER BLANKS (VOC)					
2. EXTRACTION BLANKS					
3. MS[1/] %R SAMPLE SPECIFIC					
4. MSD[2/] %R SAMPLE SPECIFIC					
5. LD[3/] SAMPLE SPECIFIC (OPTIONAL)					
6. MS/MSD RPD[4/] OR SAMPLE/LD RPD					
7. RWS[5/]					
8. RWSD[6/]					
9. RWS/RWSD RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. BFB OR DFTPP TUNING[7/]					
2. INITIAL CALIBRATION (IC)					
A. SPCC COMPOUNDS (RRF[8/] >0.3/0.05)					
B. CCC COMPOUNDS (RSD[9/] < 30%)					
C. OTHER COMPOUNDS (RRF > 0.05)					
3. CONTINUING CALIBRATION (CC)					
A. SPCC COMPOUNDS (RRF >0.3/0.05)					
B. CCC COMPOUNDS (MAX %D[10/] < 25%)					
C. OTHER COMPOUNDS (RRF >0.05)					
4. WATER BLANKS					
5. EXTRACTION BLANKS					
6. RWS					
7. RWSD					
8. RWS/RWSD RPD					
9. MS (SAMPLE SPECIFIC)					
10. MSD (SAMPLE SPECIFIC)					
11. SURROGATE SPIKE					

COMMENTS: _____

1/ MS = MATRIX SPIKE; 2/ MSD = MATRIX SPIKE DUPLICATE; 3/ LD = LAB DUP
4/ RPD = RELATIVE PERCENT DIFFERENCE; 5/ RWS = REAGENT WATER SPIKE;
6/ RWSD = REAGENT WATER SPIKE DUPLICATE; 7/ BFB TUNING IS FOR VOLATILES AND DFTPP TUNING IS FOR SEMI-VOLATILES (BNA EXTRACTABLES). 8/ RRF = RELATIVE RESPONSE FACTOR;
9/ RSD = RELATIVE STANDARD DEVIATION; 10/ %D = PERCENT DIFFERENCE;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

DATA EVALUATION SUMMARY Metals

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

ALL QA REPORTING LEVELS (I, II, III)

SUMMARY OF CHECKLIST FINDINGS

	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	PERFORMANCE NOT REQUIRED
1. FIELD MEASUREMENTS OF pH AND SPECIFIC CONDUCTANCE ARE CONSISTENT WITH HISTORICAL DATA	X				X
2. FIELD RECORDS		X		X	
3. METHODS (GEN. INFO. SECTION ONE)		X		X	
4. HOLDING TIMES (MASTER SAMPLE LIST)					
A. EXTRACTION HOLDING TIMES		X		X	
B. ANALYSIS HOLDING TIMES		X	[a] X		
5. DETECTION LIMITS (SECTION ONE)		X		[b] X	
6. BLANKS (SECTIONS TWO OR THREE)					
A. EQUIPMENT RINSATE BLANKS	[c] X			X	
B. FIELD BLANKS	[c] X			X	
C. TRIP BLANKS	[c] X			X	
D. LABORATORY BLANKS		X		X	
7. FIELD REPLICATES	X			X	
8. FIELD SPLITS	X			X	
9. GEOPHYSICAL COMPARISONS					
A. CATION VS ANION	X				X
B. TDS VS SPEC. CONDUCTANCE	X				X
C. pH VS ALK/ACIDITY	X				X
D. OTHER	X				X
10. METALS QA DATA (SECTION TWO)		X		X	
11. INORGANIC WET CHEMISTRY (SEC. TWO)					X
12. ORGANIC QA DATA-GC (SECTION THREE-A)					X
13. ORGANIC WET CHEMISTRY (SEC. THREE-A)					X
14. ORGANIC QA DATA-GC/MS (SEC. THREE-B)	[d]				

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.

COMMENTS:

a. Analytical hold times for mercury and cyanide were unacceptable
b. The laboratory was unable to meet the project QAP detection limits for 4 analytes.
c. Equipment/rinsate blanks, field, and trip blks. were not collected w/ the IDW soil/rock samples.
d. Organics validation checklist is separate.

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING Metals

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.043
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE	SL0018, SL0019S, SL0019D SL0026, SL0004, SL0002 SL0027	Mercury >5 days past hold time ↓ Cyanide <10 days past hold time
B CODE		
U CODE		
J CODE	SL0002, SL0003, SL0007 SL0006S, SL0006D	Cyanide 3 days past Hold time. Cyanide <10 days past Hold time.
U/J CODE	SL0027, SL0006S, SL0006D SL0004	Mercury <5 days Hold time. Cyanide 3 days past Hold time

EXPLANATION:

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED: Cindy Arnold

DATE: 1/5/96

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

DATA VALIDATION CODING Metals

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/5/96

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE	SL0018, SL0019, SL0017, SL0005, SL0025, SL0020, SL0021, SL0009, SL0013D	Cyanide 710 days past the Hold time
~~B~~ CODE R	SL0015, SL0016, SL0062, SL0014, SL0011, SL0010, SL0022, SL0023, SL0024D	
U CODE		
J CODE		
U/J CODE		

EXPLANATION:

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED: Cindy Arnold

DATE: 1/5/96

MEMORANDUM

TO: Pedro Fierro

FROM: Cynthia Arnold

DATE: January 15, 1996

SUBJECT: Sloss Industries Corporation (TF0320.013) Resampling and Analysis of Investigative Derived Waste (IDW) Soil/Rock Samples collected December 12th through December 14th of 1995, Level III Data Validation.

Twenty nine of the original thirty nine soil/rock samples classified as Investigative Derived Waste (IDW) were resampled and reanalyzed by Guardian Systems. Resampling was performed by the following sampling team;Geraghty & Miller, Inc.(Joe Hughes) and Sloss Industries(Nate Newnan) from December 12th through December 14th, 1995. Twenty one cyanide and six mercury samples were recollected due to the laboratories failure to meet the method specified hold time. Eleven semivolatile samples were recollected and analyzed to confirm detected values of Polynuclear Aromatic Hydrocarbons(PAHs) compounds, and to confirm high concentration of phthalates detected in samples; P-4, P-22, P-23, P-24, and P-25. A complete listing of samples and their requested analyses is attached as page 5 of this memorandum. The samples were resubmitted to Guardian Systems for analyses.

Field data were validated corresponding to the criteria set forth in the Geraghty & Miller Guidance Manual for the Contract Laboratory Program and the Geraghty & Miller Project QAP dated November 1994. The analytical results for soil/rock samples were validated according to the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1993) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994). Analytical results for both organic and inorganic compounds in soil/rock samples collected from drum cuttings were reported as Level III.

FIELD DATA

The daily logs and soil/sediment sampling logs were reviewed and determined to be acceptable. Each of the chain-of-custody(COC) forms accompanying the sample coolers delivered via courier to the laboratory had been properly completed by the field sampling team and signed by laboratory personnel at the time of sample receipt.

Field Quality Control Samples

Field quality control samples (equipment/rinsate blanks, trip blanks, and field replicates) were not collected in association with the IDW soil/rock samples.

LABORATORY DATA

Holding Times

Semivolatiles

All semivolatile organic compounds analyzed by Method 8270 were extracted within 14 days and analyzed within the specified 40 days from sample extraction.

Metals

Mercury and cyanide analyses were reviewed against the hold time criteria specified in the project QAP. All samples were analyzed within the method specified hold time.

Detection Limits

All analytical results were reported as dry weight. Considering the percent solid content of each independent sample matrix the PQL was elevated appropriately. Similarly, samples requiring dilutions due to matrix interference and/or high concentrations of target analytes resulted in elevated detection limits. In all cases, no data warranted qualification.

Semivolatiles

The laboratory was able to meet all of the detection limits specified in the project QAP. Samples 951212-FW-IW-SL0002 and 951213-FW-IW-SL0003 required dilutions of (1:10) and (1:2) respectively due to high concentrations of PAH compounds detected in the samples. Each sample dilution was reviewed and showed that the appropriate reporting limits were demonstrated.

Metals

The laboratory was unable to achieve the required detection limits for mercury(0.05mg/Kg).

Instrument Performance Checks

Semivolatiles

Gas chromatograph/mass spectrometer(GC/MS) instrument performance checks (formerly referred to as tuning) are performed to ensure mass resolution, identification, and to some degree, sensitivity. An instrument performance check, decafluorotriphenylphosphine (DFTPP) for semivolatile analysis, was analyzed at the beginning of each 12 hour analytical period. All instrument performance checks were acceptable.

Calibration

Semivolatiles

Initial calibrations for semivolatile compounds was performed on December 19th, and 27th of 1995. Target compounds were reviewed against the National Functional Guidelines criteria: a) The average Relative Response Factor (RRF) must be greater than or equal to 0.05, and b) The Percent Relative Standard Deviation (%RSD) must be less than or equal to 30%. All target compounds RRF were greater than or equal to 0.05. Target compound benzyl alcohol(32.8 %RSD) from the initial calibration dated December 19th, and 2,4-dinitrophenol(61.4%RSD), 4-nitrophenol(50%RSD), 4,6-dinitro-2-methylphenol(39.7%RSD), and 3,3-dimethylbenzidine(36.9%RSD) from initial calibration dated

Calibration

Semivolatiles (Continued)

December 27th did not meet the less than or equal to 30% RSD criteria specified by the USEPA. Sample results were reviewed against their corresponding initial calibration. All analytical results were non-detected for those target compounds and did not warrant qualification.

All continuing calibrations were reviewed against the National Functional Guidelines criteria: a) RRF muster be greater than or equal to 0.05, and b) The percent difference (%D) must be $\pm$ 25%. This criteria was met for all targets compounds with the exception of those compounds listed as failing to meet the initial calibration criteria.

Metals

Initial calibration curves for each analyte were reviewed and 10% were checked against the raw data. Initial calibration verification (ICV) and continuing calibration verification (CCV) checks were reviewed for each analyte and compared with the quality control(QC) limits. All ICV and CCV criteria was acceptable.

Method Blanks

Semivolatiles

Semivolatile method blanks were extracted with each analytical batch of samples. The purpose of a laboratory or method blank analysis is to demonstrated the existence and magnitude of laboratory contamination problems resulting from laboratory activities. Semivolatile method blanks were reviewed for each 12 hour analytical period. No contamination was detected in the method blanks.

Metals

Method blanks and continuing calibration blanks were reviewed for each analyte. No contamination was found in any of the metals blanks.

System Monitoring Compounds/Surrogates

Surrogate spikes were added to all blanks, standards, and samples analyzed for semivolatile and volatile organic compounds to monitor analytical performance. Surrogates are special non-target compounds which possess the same physical properties as target analytes. Surrogate results are expressed as percent recovery and were compared to the control limits specified in the analytical method. All surrogate recoveries for EPA Method 8270 were acceptable.

Matrix Spike Sample Analysis

Semivolatiles

Two samples were selected for matrix spike/matrix spike duplicate (MS/MSD) analysis; 951213-FW-IW-SL0017 and 951213-FW-IW-SL0019S. Due to matrix interference detected in sample 951213-FW-IW-SL0019S the MS/MSD extracts were not analyzed. Sample 951213-FW-IW-SL0017 matrix spike recoveries and percent Relative Percent Difference (RPD) were reviewed and determined to be acceptable.

Matrix Spike Sample Analysis

Metals

Laboratory quality control for cyanide and mercury consisted of following; a batch laboratory control standard(LCS) and a matrix spike(MS)/matrix spike duplicate(MSD). All percent recoveries and relative percent differences were acceptable.

Conclusion

All field and laboratory data generated during the IDW sampling event was reviewed for completeness. Five semivolatile compounds failed to meet the initial calibration percent relative standard deviation (%RSD) criteria of less than or equal to 30% RSD. All sample results for these five compounds were non-detected and did not warrant qualification. Quality control samples analyzed in association with the IDW soil/rock samples were reviewed for both precision and accuracy, and all were determine to be acceptable. No sample qualification was necessary.

The Following List of IDW Samples were Resampled and Reanalyzed by Guardian Systems

A memo containing the exact same sampling list was submitted to the client and the laboratory. Cyanide and Mercury samples were resampled due to hold time criteria not being met in the initial sampling round. Several semivolatile sample are being resampled to confirm the PAH hits detected in the initial sample results. However, P-4, P-22, P-23, P-24, and P-25 are being resampled to confirm phthalate hits. Phthalates di-n-butylphthalate and bis(ethyl-hexyl)phthalate were detected in every sample collected during the initial sample event and the method blanks. The hits detected in the five samples listed above were above the maximum allowable contamination limit quantitated from the method blanks and could not be qualified.

Sample ID	Semivolatiles	Mercury	Cyanide
P-1S			X
P-2	X	X	
P-3	X		
P-4	X	X	
P-5			X
P-6S			X
P-7	X		
P-8	X		
P-9			X
P-10			X
P-11			X
P-12			X
P-13D			X
P-14			X
P-15			X
P-16			X
P-17	X		X
P-18		X	X
P-19S		X	X
P-19D		X	
P-20			X
P-21			X
P-22	X		X
P-23	X		X
P-24D	X		X
P-25	X		X
P-26		X	
P-27			X
P-32	X		

DATA VALIDATION CHECKLIST
SECTION ONE

PROJECT NAME: Sloss Industries
PROJECT NUMBER: TF0320.013
SAMPLING DATE: 12/12/95 - 12/14/95 VALIDATION DATE: 1/12/96
SAMPLE IDENTIFICATION: IDW Soils (21) Resample/Reanalysis

SAMPLING TEAM: Joe Hughes / Nate Newman
ANALYZING LABORATORY: Guardian Systems
ANALYSES PERFORMED: Semivolatiles (8270), Cyanide, and Mercury

SAMPLE MATRIX: Soil/Rock
QA REPORTING LEVEL: Geraghty + Miller Level III

FIELD DATA PACKAGE DOCUMENTATION

FIELD SAMPLING LOGS:[1]	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLING DATES NOTED		X		X	
2. SAMPLING TEAM INDICATED		X		X	
3. SAMPLE IDENTIFICATION TRACEABLE TO LOCATION COLLECTED		X		X	
4. SAMPLE LOCATION		X		X	
5. SAMPLE DEPTH FOR SOILS	X				X
6. COLLECTION TECHNIQUE (BAILER, PUMP ETC	[a]	X		X	
7. FIELD SAMPLE PREPARATION TECHNIQUES	[a] X		X		
8. SAMPLE TYPE (GRAB, COMPOSITE)		X		X	
9. SAMPLE CONTAINER TYPE		X		X	
10. PRESERVATION METHODS	[b] X				X
11. CHAIN OF CUSTODY FORM COMPLETED		X		X	
12. REQUIRED ANALYTICAL METHODS REQUESTED		X		X	
13. FIELD (WATER AND SOIL) SAMPLE LOGS COMPLETED PROPERLY AND SIGNED		X		X	
14. NUMBER AND TYPE OF FIELD QC SAMPLES COLLECTED (BLANKS, REPLICATES, SPLITS, ETC.)	X			X	X
15. FIELD EQUIPMENT CALIBRATION	X				X
16. FIELD EQUIPMENT DECONTAMINATION	[a] X		X		
17. SAMPLE SHIPPING	X			X	
18. LABORATORY TASK ORDER	[c] X			X	

1/ FIELD SAMPLING LOGS = WATER AND/OR SOIL/SEDIMENT SAMPLING LOGS

COMMENTS:
a. Field sampling notes were not available for review.
b. No preservation required.
c. LTO were not available for review.

DATA VALIDATION CHECKLIST
SECTION ONE CONTINUED

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

ALL QA REPORTING LEVELS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. SAMPLE RESULTS		X		X	
2. PARAMETERS ANALYZED		X		X	
3. METHOD OF ANALYSIS		X		X	
4. DETECTION LIMITS OF ANALYSIS		X		X	
5. MASTER TRACKING LIST		X		X	
6. SAMPLE COLLECTION DATE		X		X	
7. LAB SAMPLE RECEIVED DATE		X		X	
8. SAMPLE PREPARATION/EXTRACTION DATE		X		X	
9. SAMPLE ANALYSIS DATE		X		X	
10. COPY OF CHAIN-OF-CUSTODY FORM SIGNED BY THE LAB SAMPLE CUSTODIAN		X		X	
11. A NARRATIVE SUMMARY OF QA OR SAMPLE PROBLEMS IS PROVIDED.		X		X	

COMMENTS: _____

AFTER COMPLETING SECTION ONE PROCEED TO THE APPROPRIATE QA REPORTING LEVEL OF SECTION TWO (INORGANIC ANALYSES) AND/OR SECTION THREE (ORGANIC ANALYSES). FOLLOWING COMPLETION OF THESE SECTIONS PROCEED TO SECTION FOUR (DATA EVALUATION SUMMARY).

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES

METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: I REQUIREMENTS (BATCH SPECIFIC QA)[1]	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS[2] OR RWS[3] % RECOVERY (%R)					
3. MSD[4] OR RWSD[5] OR LD[6] %R					
4. RPD[7]					

COMMENTS: _____

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH REGARDLESS OF THE SOURCE.
2/ MS = MATRIX SPIKE;
3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.;
5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE;
7/ RPD = RELATIVE PERCENT DIFFERENCE

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE

ORGANIC ANALYSES

QA REPORTING LEVEL: I_
REQUIREMENTS_____

	Reported		In Limits		Not
	No	Yes	No	Yes	Required
1. Water Blanks					
2. Extraction Blanks					
3. RWS[1/]					
4. RWSD[2/]					
5. RPD[3/]					

Comments: _____

QA REPORTING LEVEL: II
REQUIREMENTS
A. GAS CHROMATOGRAPHY (NO MASS SPEC) OR WET CHEMISTRY PROCEDURE

1. Water Blanks					
2. Extraction Blanks					
3. MS[4/] (Batch Specific)					
4. MSD[5/] (Batch Specific)					
5. LD[6/] (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER

1. Water Blanks					
2. Extraction Blanks					
3. MS (Batch Specific)					
4. MSD (Batch Specific)					
5. LD (Optional)					
6. MS/MSD RPD or Sample/LD RPD					
7. RWS					
8. RWSD					
9. RWS RPD					
10. Surrogate Spikes					

COMMENTS: _____

1/ RWS = REAGENT WATER SPIKE; 2/ RWSD = REAGENT WATER SPIKE DUPLICATE;
3/ RPD = RELATIVE PERCENT DIFFERENCE; 4/ MS = MATRIX SPIKE;
5/ MSD = MATRIX SPIKE DUPLICATE; 6/ LD = LAB DUP

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION THREE CONTINUED

ORGANIC ANALYSES

QA REPORTING LEVEL: III
REQUIREMENTS

A. GAS CHROMATOGRAPH OR WET CHEMISTRY	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. WATER BLANKS (VOC)					
2. EXTRACTION BLANKS					
3. MS[1/] %R SAMPLE SPECIFIC					
4. MSD[2/] %R SAMPLE SPECIFIC					
5. LD[3/] SAMPLE SPECIFIC (OPTIONAL)					
6. MS/MSD RPD[4/] OR SAMPLE/LD RPD					
7. RWS[5/]					
8. RWSD[6/]					
9. RWS/RWSD RPD					
10. SURROGATE SPIKES					

B. GAS CHROMATOGRAPH/MASS SPECTROMETER — Semivolatiles 8270

1. BFB OR DFTPP TUNING[7/]		X		X	
2. INITIAL CALIBRATION (IC)		X		X	
A. SPCC COMPOUNDS (RRF[8/] >0.3/0.05)		X		X	
B. CCC COMPOUNDS (RSD[9/] < 30%)		X		X[a]	
C. OTHER COMPOUNDS (RRF > 0.05)		X		X	
3. CONTINUING CALIBRATION (CC)		X		X	
A. SPCC COMPOUNDS (RRF >0.3/0.05)		X		X	
B. CCC COMPOUNDS (MAX %D[10/] < 25%)		X		X	
C. OTHER COMPOUNDS (RRF >0.05)		X		X	
4. WATER BLANKS	X				X
5. EXTRACTION BLANKS		X		X	
6. RWS		X		X	
7. RWSD	X				X
8. RWS/RWSD RPD	X				X
9. MS (SAMPLE SPECIFIC)		X		X	
10. MSD (SAMPLE SPECIFIC)		X		X	
11. SURROGATE SPIKE		X		X	

COMMENTS: a) Five compounds from 2 Initial Cal. had %RSD >30, see validation memo for list. No qualification was necessary.

1/ MS = MATRIX SPIKE; 2/ MSD = MATRIX SPIKE DUPLICATE; 3/ LD = LAB DUP
4/ RPD = RELATIVE PERCENT DIFFERENCE; 5/ RWS = REAGENT WATER SPIKE;
6/ RWSD = REAGENT WATER SPIKE DUPLICATE; 7/ BFB TUNING IS FOR VOLATILES AND DFTPP TUNING IS FOR SEMI-VOLATILES (BNA EXTRACTABLES). 8/ RRF = RELATIVE RESPONSE FACTOR;
9/ RSD = RELATIVE STANDARD DEVIATION; 10/ %D = PERCENT DIFFERENCE;

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION TWO

INORGANIC ANALYSES
METALS AND CLASSICAL WET CHEMISTRY METHODS

QA REPORTING LEVEL: II
REQUIREMENTS (BATCH SPECIFIC QA)[1/]

	REPORTED NO	REPORTED YES	IN LIMITS NO	IN LIMITS YES	NOT REQUIRED
1. METHOD BLANKS					
2. MS % RECOVERY (%R)					
3. MSD OR LAB DUPLICATE % R					
4. RWS % R					
5. RWSD % R					
6. RPDs FOR MS/MSD, SAMPLE/LD, RWS/RWSD					
7. LCS[8/] %R					
8. ICVS [9/] %R					

COMMENTS:

QA REPORTING LEVEL: III
REQUIREMENTS (SAMPLE SPECIFIC QA)[10/]

1. CALIBRATION CURVE STANDARDS		X		X	
2. ICVS %R		X		X	
3. CCVS[11/] %R		X		X	
4. LCS %R		X		X	
5. METHOD BLANKS		X		X	
6. ICS[12/] %R (ICP ONLY)	X				X
7. DCS[13/] %R (ICP ONLY)	X				X
8. MS %R		X		X	
9. LD OR MSD %R AND RPD		X		X	
10. POST DIGESTION ANALYTICAL SPIKE[14/]	X				X

COMMENTS: All QC was acceptable

1/ BATCH SPECIFIC QA: APPLIES TO ANY SAMPLES IN ANALYTICAL BATCH.
2/ MS = MATRIX SPIKE; 3/ RWS = REAGENT WATER SPIKE;
4/ MSD = MATRIX SPIKE DUP.; 5/ RWSD = REAGENT WATER SPIKE DUP.;
6/ LD = LABORATORY DUPLICATE; 7/ RPD = RELATIVE PERCENT DIFFERENCE
8/ LCS = LABORATORY CONTROL SAMPLE;
9/ ICVS = INITIAL CALIBRATION VERIFICATION STANDARD;
10/ SAMPLE SPECIFIC QA: APPLIES TO PROJECT SPECIFIC SAMPLES.
11/ CCVS = CONTINUING CALIBRATION VERIFICATION STANDARD;
12/ ICS = INTERFERENCE CHECK SAMPLE; 13/ DCS = DILUTION CHECK SAMPLE;
14/ POST DIGESTION ANALYTICAL SPIKE APPLIES TO FURNACE AA ONLY;

NALYTICAL DATA VALIDATION CHECKLIST
SECTION FOUR

Guardian Systems
DATA EVALUATION SUMMARY Soils / Resampling 12/95

PROJECT NAME: Gloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/12/96

ALL QA REPORTING LEVELS (I,II,III)

SUMMARY OF CHECKLIST FINDINGS

	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	NOT REQUIRED
1. FIELD MEASUREMENTS OF PH AND SPECIFIC CONDUCTANCE ARE CONSISTENT WITH HISTORICAL DATA	X			X	
2. FIELD RECORDS		X		X	
3. METHODS (GEN.INFO. SECTION ONE)		X		X	
4. HOLDING TIMES (MASTER SAMPLE LIST)					
A. EXTRACTION HOLDING TIMES		X		X	
B. ANALYSIS HOLDING TIMES		X		X	
5. DETECTION LIMITS (SECTION ONE)		X		X	
6. BLANKS (SECTIONS TWO OR THREE)					
A. EQUIPMENT RINSATE BLANKS	X		[a] X		
B. FIELD BLANKS	X		[a] X		
C. TRIP BLANKS	X		[a] X		
D. LABORATORY BLANKS		X		X	
7. FIELD REPLICATES	X			X [b]	
8. FIELD SPLITS	X			X [b]	
9. GEOPHYSICAL COMPARISONS					
A. CATION VS ANION	X				X
B. TDS VS SPEC. CONDUCTANCE	X				X
C. PH VS ALK/ACIDITY	X				X
D. OTHER	X				X
10. METALS QA DATA (SECTION TWO)		X		X	
11. INORGANIC WET CHEMISTRY (SEC. TWO)	X				X
12. ORGANIC QA DATA-GC (SECTION THREE-A)	X				
13. ORGANIC WET CHEMISTRY (SEC. THREE-A)	X				
14. ORGANIC QA DATA-GC/MS (SEC. THREE-B)		X		X	

AFTER COMPLETING THIS SECTION GO TO SECTION FIVE.

COMMENTS:

a) Equipment/rinsate, field, and trip blanks were not collected during the IDW soil/rock sampling and analysis.

b) Field replicates/field splits were not collected.

ANALYTICAL DATA VALIDATION CHECKLIST
SECTION FIVE

Guardian Systems

DATA VALIDATION CODING Soils/Resampling 12/95

PROJECT NAME: Sloss Industries PROJECT NUMBER: TF0320.013
QA REPORTING LEVEL: III VALIDATION DATE: 1/12/95

1. QUALIFIER CODES ASSIGNED TO DATA: R, U, J, U/J, B, NO FLAG

2. IDENTIFICATION OF SAMPLES AND PARAMETERS WITH CODES:

	SAMPLE ID	PARAMETERS
R CODE	NONE	
B CODE		
U CODE		
J CODE		
U/J CODE		

EXPLANATION: No sample qualification

VALIDATION PERFORMED BY: Cindy Arnold

SIGNED Cindy Arnold

DATE: 4/12/95

METHOD 8260 ANALYSIS
PREPARED FOR GERAGHTY & MILLER, INC.
SLOSS PROJECT

Narrative:

A total of 39 soil samples were received during a period from 07/08/95 to 08/15/95 for Method 8260 analysis. Appendix I contains a list of samples and the selected analytes. There were four analytes not meeting the Sloss QAPP DL.

	Guardian DL	QAPP DL
2-Chloroethyl vinyl ether	20 mg/kg	10 mg/kg
1,4-Dichloro-2-butene	25 mg/kg	10 mg/kg
Ethyl methacrylate	15 mg/kg	5 mg/kg
Vinyl acetate	30 mg/kg	10 mg/kg

All samples were received in good condition.

Sample Results

There were nine samples showing acetone values greater than 50 ug/kg. Most of the hits occurred on the first day of analysis. The results are suspect due to possible contamination in the weighing room. The samples could not be repeated due to time constraints. Procedures were changed to control the problem.

One sample (950728-FW-IW-SL0002 A-B) showed Benzene, Ethylbenzene, Toluene and Xylenes. The sample was repeated with a times five and times twenty-five dilution. The results from the times twenty-five dilution was used for the Ethylbenzene and Xylene results.

Samples 950707-FW-IW SL0018 A-E, 950720-FW-IW SL0014 A-D and 950720-FW-IW-SL0011 showed low levels of Toluene. Sample 950720-FW-IW-SL0013D A-H show low levels of Methylene Chloride.

Sample 950728-FW-IW-SL0004(A-B) was repeated due to a high surrogate recovery on the first analysis. On repeating the analysis (Control #83053A), all surrogates were within acceptable limits.

Quality Control

Prior to any analysis a standard sample of 4-Bromofluorobenzene was run and all criteria in Method 8260A were met before proceeding to run any calibration checks.

System performance check compounds (SPCC) and calibration check compounds (CCC) were monitored. Before running any samples for SPCC the relative response factors were calculated and compared to the minimum values in Method 8260A Section 7.4.3.1. For the calibration check compounds the percent drift was calculated. The calculated drift was less than 20 percent for all CCC compounds.

Four matrix spikes and spike duplicates were performed. Analytes were spiked at 50 ug/kg or 500 ug/kg. Spread sheets in Appendix II have the calculated recoveries for Acetone, Ethyl methacrylate and 2-Hexanone were high. 1,2,3 Trichloropropane was over the acceptance range in three of the spike duplicates, and Styrene was high in two of the spike duplicates.

The table below shows the range of recovery and the acceptance range.

Compound	Recoveries	Accept. Range
Acetone	81.5 - 109	29 - 92
Ethyl methacrylate	83.5 - 104	47 - 87
2-Hexanone	81.8 - 104	22 - 86
1,2,3 Trichloropropane	79.5 - 110	43 - 105
Styrene	94.4 - 111	89 - 101

Details of Method:

Five grams of soil was weighed into a purge tube. If a composite sample was called for, equal amounts were weighed to a total of 5 grams. Five milliliters of organic free reagent water and immediately internal standard and surrogates were added. The tube was attached to a Tekmar purge and trap equipped with a needle sparger. The tube was heated to 40°C and purged for eleven minutes. The volatile compounds were separated and analyzed using Hewlett Packard 5890 Gas Chromatography with a 30 meter DB-VRX 0.32 ID x 1.8 u column and a 5970 Mass Selective Detector. Data was processed using Hewlett Packard Chemstation Software.

Summary:

Samples were analyzed by Method 8260A. The QC requirements were met for the method; therefore, the test results are acceptable.

Laboratory Manager

APPENDIX I

Geraghty & Miller, Inc. - Sloss Project

Volatiles by Method 8260

Lab Number	G&M Number
82300	950707-FW-IW-SL0018(A-E)
82347	950710-FW-IW-SL0019S(A-G)
82389	950711-FW-IW-SL0019D(A-D)
82391	950711-FW-IW-SL0026(A-B)
82516	950713-FW-IW-SL0027(A-F)
82518	950713-FW-IW-SL0006S(A-C)
82572	950714-FW-IW-SL0006D(A-I)
82631	950718-FW-IW-SL0017(A-E)
82633	950718-FW-IW-SL0005(A-E)
82635	950718-FW-IW-SL0007(A-E)
82637	950718-FW-IW-SL0025(A-C)
82684	950719-FW-IW-SL0020(A-H)
82686	950719-FW-IW-SL0021(A-F)
82688	950719-FW-IW-SL0009(A-G)
82782	950720-FW-IW-SL0008(A-C)
82784	950720-FW-IW-SL0013D(A-H)
82786	950720-FW-IW-SL0001D(A-B)
82788	950720-FW-IW-SL0015(A-C)
82789	950720-FW-IW-SL0016
82791	950720-FW-IW-SL0012(A-B)
82792	950720-FW-IW-SL0014(A-D)
82794	950720-FW-IW-SL0011
82795	950720-FW-IW-SL0010(A-B)
82797	950720-FW-IW-SL0022(A-B)
82799	950720-FW-IW-SL0023(A-B)
82801	950720-FW-IW-SL0024D(A-D)
82803	950720-FW-IW-SL0024S
83053	950728-FW-IW-SL0004(A-B)
83055	950728-FW-IW-SL0003(A-B)
83057	950728-FW-IW-SL0002(A-B)
83586	950810-FW-IW-SL0001S
83587	950810-FW-IW-SL0031(A-C)
83589	950810-FW-IW-SL0029(A-C)
83591	950810-FW-IW-SL0030(A-D)
83708	950814-FW-IW-SL0028S(A-B)
83710	950814-FW-IW-SL0028D(A-B)
83712	950814-FW-IW-SL0032
83713	950814-FW-IW-SL0013S(A-C)
83715	950814-FW-IW-SL0000(A-D)

VOC Analytes

Units - ug/Kg

Compounds	Detection Limit
Acetone	50
Acrolein	50
Acrylonitrile	50
Benzene	5
Bromodichloromethane	5
Bromoform	5
Bromomethane	5
2-Butanone (MEK)	50
Carbon disulfide	5
Carbon tetrachloride	5
Chlorobenzene	5
Chloroethane	5
2-Chloroethylvinyl ether	20
Chloroform	5
Chloromethane	5
Dibromochloromethane	5
1,2-Dibromoethane (EDB)	5
Dibromomethane	5
trans-1,4-Dichloro-2-butene	25
Dichlorodifluoromethane	5
1,1-Dichloroethane	5
1,2-Dichloroethane	5
trans-1,2-Dichloroethene	5
1,1-Dichloroethene	5
1,2-Dichloropropane	5
cis-1,3-Dichloropropene	5
trans-1,3-Dichloropropene	5
Ethylbenzene	5
Ethyl methacrylate	15
2-Hexanone	50
Iodomethane	5
Methylene chloride (Dichloromethane)	5
4-Methyl-2-pentanone (MIBK)	50
Styrene	5
1,1,2,2-Tetrachloroethane	5
Tetrachloroethene	5
Toluene	5
1,1,1-Trichloroethane	5
1,1,2-Trichloroethane	5
Trichloroethene	5
Trichlorofluoromethane	5
1,2,3-Trichloropropane	5
Vinyl acetate	30
Vinyl chloride	5
Xylenes	5

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0000(A-D)
Control No.: 83715
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 18:52
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	96.5 %	80 - 120
Toluene-d8	110.8 %	81 - 117
4-Bromofluorobenzene	109.5 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0001S
Control No.: 83586
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 13:42
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	62	62
Acrolein	<	62	62
Acrylonitrile	<	62	62
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	62	62
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	62	62
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	62	62

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	37	37
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	99.5 %	80 - 120
Toluene-d8	108.0 %	81 - 117
4-Bromofluorobenzene	97.0 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hunsaker

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0001D(A-B)
Control No.: 82786
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 12:12
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		134	65
Acrolein	<	65	65
Acrylonitrile	<	65	65
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	65	65
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	26	26
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	65	65
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	65	65

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	39	39
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	102.3 %	80 - 120
Toluene-d8	105.0 %	81 - 117
4-Bromofluorobenzene	93.3 %	74 - 121

Percent Solids	77.0 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0002(A-B)
Control No.: 83057
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 4-Aug-95 15:39
Units - ug/Kg dw

Compounds		Results		Detection Limit
Acetone	<	60		60
Acrolein	<	60		60
Acrylonitrile	<	60		60
Benzene		71		6
Bromodichloromethane	<	6		6
Bromoform	<	6		6
Bromomethane	<	6		6
2-Butanone (MEK)	<	60		60
Carbon disulfide	<	6		6
Carbon tetrachloride	<	6		6
Chlorobenzene	<	6		6
Chloroethane	<	6		6
2-Chloroethylvinyl ether	<	24		24
Chloroform	<	6		6
Chloromethane	<	6		6
Dibromochloromethane	<	6		6
1,2-Dibromoethane (EDB)	<	6		6
Dibromomethane	<	6		6
trans-1,4-Dichloro-2-butene	<	30		30
Dichlorodifluoromethane	<	6		6
1,1-Dichloroethane	<	6		6
1,2-Dichloroethane	<	6		6
trans-1,2-Dichloroethene	<	6		6
1,1-Dichloroethene	<	6		6
1,2-Dichloropropane	<	6		6
cis-1,3-Dichloropropene	<	6		6
trans-1,3-Dichloropropene	<	6		6
Ethylbenzene		1723	*	6
Ethyl methacrylate	<	18		18
2-Hexanone	<	60		60
Iodomethane	<	6		6
Methylene chloride (Dichloromethane)	<	6		6
4-Methyl-2-pentanone (MIBK)	<	60		60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		33	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes		2456 *	5

Surrogate Recoveries		Range
Dibromofluoromethane	99.2 %	80 - 120
Toluene-d8	102.0 %	81 - 117
4-Bromofluorobenzene	117.6 %	74 - 121

Percent Solids	83.0 %

Approved by: Jerry Hamilton

* Times 25 dilution, see control # 83057B

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0003(A-B)
Control No.: 83055
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 14:17
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	67	67
Acrolein	<	67	67
Acrylonitrile	<	67	67
Benzene	<	7	7
Bromodichloromethane	<	7	7
Bromoform	<	7	7
Bromomethane	<	7	7
2-Butanone (MEK)	<	67	67
Carbon disulfide	<	7	7
Carbon tetrachloride	<	7	7
Chlorobenzene	<	7	7
Chloroethane	<	7	7
2-Chloroethylvinyl ether	<	27	27
Chloroform	<	7	7
Chloromethane	<	7	7
Dibromochloromethane	<	7	7
1,2-Dibromoethane (EDB)	<	7	7
Dibromomethane	<	7	7
trans-1,4-Dichloro-2-butene	<	33	33
Dichlorodifluoromethane	<	7	7
1,1-Dichloroethane	<	7	7
1,2-Dichloroethane	<	7	7
trans-1,2-Dichloroethene	<	7	7
1,1-Dichloroethene	<	7	7
1,2-Dichloropropane	<	7	7
cis-1,3-Dichloropropene	<	7	7
trans-1,3-Dichloropropene	<	7	7
Ethylbenzene	<	7	7
Ethyl methacrylate	<	20	20
2-Hexanone	<	67	67
Iodomethane	<	7	7
Methylene chloride (Dichloromethane)	<	7	7
4-Methyl-2-pentanone (MIBK)	<	67	67

Styrene	<	7	7
1,1,2,2-Tetrachloroethane	<	7	7
Tetrachloroethene	<	7	7
Toluene	<	7	7
1,1,1-Trichloroethane	<	7	7
1,1,2-Trichloroethane	<	7	7
Trichloroethene	<	7	7
Trichlorofluoromethane	<	7	7
1,2,3-Trichloropropane	<	7	7
Vinyl acetate	<	40	40
Vinyl chloride	<	7	7
Xylenes	<	7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	95.2 %	80 - 120
Toluene-d8	109.5 %	81 - 117
4-Bromofluorobenzene	99.6 %	74 - 121

Percent Solids	75.0 %

Approved by: Jerry Hunsaker

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0004(A-B)
Control No.: 83053
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 13:31
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	56	56
Acrolein	<	56	56
Acrylonitrile	<	56	56
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	56	56
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	28	28
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	56	56
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	56	56

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	33	33
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	98.0 %	80 - 120
Toluene-d8	106.5 %	81 - 117
4-Bromofluorobenzene	134.8 %	74 - 121

Percent Solids	90.0 %

Approved by: Jerry Hornsett

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0005(A-E)
Control No.: 82633
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 11:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	52	52
Acrolein	<	52	52
Acrylonitrile	<	52	52
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	52	52
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	52	52
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	52	52

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	99.4 %	80 - 120
Toluene-d8	100.4 %	81 - 117
4-Bromofluorobenzene	101.2 %	74 - 121

Percent Solids	96.0 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950713-FW-IW-SL0006S(A-C)
Control No: 82518
Sample Date: 7/13/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1933
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	249	60
Acrolein	<60	60
Acrylonitrile	<60	60
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<60	60
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<24	24
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<30	30
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<18	18
2-Hexanone	<60	60
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	<6	6
4-Methyl-2-pentanone (MIBK)	<60	60

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<36	36
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	106.0%	80-120
Toluene-d6	108.5%	81-117
4-Bromofluorobenzene	118.6%	74-121

Percent Solids	84.0%

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950714-FW-IW-SL0006D(A-I)
Control No: 82572
Sample Date: 7/14/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 2022
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	167	53
Acrolein	<53	53
Acrylonitrile	<53	53
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<5	5
2-Butanone (MEK)	<53	53
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<5	5
2-Chloroethylvinyl ether	<21	21
Chloroform	<5	5
Chloromethane	<5	5
Dibromochloromethane	<5	5
1,2-Dibromoethane (EDB)	<5	5
Dibromomethane	<5	5
trans-1,4-Dichloro-2-butene	<27	27
Dichlorodifluoromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
trans-1,2-Dichloroethene	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethylbenzene	<5	5
Ethyl methacrylate	<16	16
2-Hexanone	<53	53
Iodomethane	<5	5
Methylene chloride (Dichloromethane)	<5	5
4-Methyl-2-pentanone (MIBK)	<53	53

Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Trichlorofluoromethane	<5	5
1,2,3-Trichloropropane	<5	5
Vinyl acetate	<32	32
Vinyl chloride	<5	5
Xylenes	<5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	101.1%	80-120
Toluene-d5	101.7%	81-117
4-Bromofluorobenzene	96.6%	74-121

Percent Solids	94.0%

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0007(A-E)
Control No.: 82635
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 11:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	64	64
Acrolein	<	64	64
Acrylonitrile	<	64	64
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	64	64
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	26	26
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	64	64
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	64	64

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	100.0 %	80 - 120
Toluene-d8	107.5 %	81 - 117
4-Bromofluorobenzene	99.3 %	74 - 121

Percent Solids	78.0 %

Approved by: Jerry Hamsworth

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0008(A-C)
Control No.: 82782
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 16:38
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	62	62
Acrolein	<	62	62
Acrylonitrile	<	62	62
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	62	62
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	62	62
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	62	62

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	37	37
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	103.5 %	80 - 120
Toluene-d8	98.7 %	81 - 117
4-Bromofluorobenzene	100.0 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0009(A-G)
Control No.: 82688
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 15:51
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	51	51
Acrolein	<	51	51
Acrylonitrile	<	51	51
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	51	51
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	51	51
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	51	51

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		7	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	92.1 %	80 - 120
Toluene-d8	95.2 %	81 - 117
4-Bromofluorobenzene	95.1 %	74 - 121

Percent Solids	99.0 %

Approved by: Jerry Hancattle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0010(A-B)
Control No.: 82795
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 3-Aug-95 15:13
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	89.6 %	80 - 120
Toluene-d8	98.3 %	81 - 117
4-Bromofluorobenzene	89.0 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Howarth

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0011
Control No.: 82794
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 14:31
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	54	54
Acrolein	<	54	54
Acrylonitrile	<	54	54
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	54	54
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	54	54
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	54	54

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		10	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	98.9 %	80 - 120
Toluene-d8	104.1 %	81 - 117
4-Bromofluorobenzene	99.8 %	74 - 121

Percent Solids	92.0 %

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0012(A-B)
Control No.: 82791
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 2-Aug-95 16:28
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	51	51
Acrolein	<	51	51
Acrylonitrile	<	51	51
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	51	51
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	51	51
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)		6	5
4-Methyl-2-pentanone (MIBK)	<	51	51

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	98.4 %	80 - 120
Toluene-d8	88.3 %	81 - 117
4-Bromofluorobenzene	105.2 %	74 - 121

Percent Solids	98.0 %

Approved by: Jerry Hamsath

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0013S(A-C)
Control No.: 83713
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 18:05
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	58	58
Acrolein	<	58	58
Acrylonitrile	<	58	58
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	58	58
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	23	23
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	58	58
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	58	58

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	92.3 %	80 - 120
Toluene-d8	101.0 %	81 - 117
4-Bromofluorobenzene	112.8 %	74 - 121

Percent Solids	86.0 %

Approved by: Jerry Hunsaker

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0013D(A-H)
Control No.: 82784
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 17:28
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	57	57
Acrolein	<	57	57
Acrylonitrile	<	57	57
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	57	57
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	23	23
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	57	57
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)		48	6
4-Methyl-2-pentanone (MIBK)	<	57	57

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	34	34
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	105.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	104.5 %	74 - 121

Percent Solids	87.0 %

Approved by: Jerry Hornsby

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0014(A-D)
Control No.: 82792
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 13:44
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	54	54
Acrolein	<	54	54
Acrylonitrile	<	54	54
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	54	54
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	54	54
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	54	54

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		8	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	32	32
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	86.9 %	80 - 120
Toluene-d8	104.5 %	81 - 117
4-Bromofluorobenzene	92.7 %	74 - 121

Percent Solids	93.0 %

Approved by: Jerry Hamsatter

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0015(A-C)
Control No.: 82788
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 13:01
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	60	60
Acrolein	<	60	60
Acrylonitrile	<	60	60
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	60	60
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	30	30
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	60	60
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	60	60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	101.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	115.2 %	74 - 121

Percent Solids 84.0 %

Approved by: Jerry Hamilton

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0016
Control No.: 82789
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 13:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	96.0 %	80 - 120
Toluene-d8	104.5 %	81 - 117
4-Bromofluorobenzene	92.0 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hamsatti

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0017(A-E)
Control No.: 82631
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 31-Jul-95 13:21
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	55	55
Acrolein	<	55	55
Acrylonitrile	<	55	55
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	55	55
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	55	55
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	55	55

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	100.4 %	80 - 120
Toluene-d8	108.9 %	81 - 117
4-Bromofluorobenzene	109.4 %	74 - 121

Percent Solids	91.0 %

Approved by: Jerry Hamrette

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950707-FW-IW-SL0018(a-e)
Control No: 82300
Sample Date: 7/7/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1301
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	123	57
Acrolein	<57	57
Acrylonitrile	<57	57
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<57	57
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<23	23
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<28	28
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<17	17
2-Hexanone	<57	57
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	<6	6
4-Methyl-2-pentanone (MIBK)	<57	57

P-18

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	7	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<34	34
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	105.6%	80-120
Toluene-d8	106.3%	81-117
4-Bromofluorobenzene	105.9%	74-121
Percent Solids	88.0%	

Approved by: Jerry Hancoatto

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950710-FW-IW-SL0019S(a-g)
Control No: 82347
Sample Date: 7/10/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1402
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	101	69
Acrolein	<69	69
Acrylonitrile	<69	69
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<7	7
2-Butanone (MEK)	<69	69
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<7	7
2-Chloroethylvinyl ether	<27	27
Chloroform	<7	7
Chloromethane	<7	7
Dibromochloromethane	<7	7
1,2-Dibromoethane (EDB)	<7	7
Dibromomethane	<7	7
trans-1,4-Dichloro-2-butene	<34	34
Dichlorodifluoromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
trans-1,2-Dichloroethene	<7	7
1,1-Dichloroethene	<7	7
1,2-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethylbenzene	<7	7
Ethyl methacrylate	<21	21
2-Hexanone	<69	69
Iodomethane	<7	7
Methylene chloride (Dichloromethane)	8	7
4-Methyl-2-pentanone (MIBK)	<69	69

GUARDIAN SYSTEMS inc

Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Trichlorofluoromethane	<7	7
1,2,3-Trichloropropane	<7	7
Vinyl acetate	<41	41
Vinyl chloride	<7	7
Xylenes	<7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	110.3%	80-120
Toluene-d8	102.8%	81-117
4-Bromofluorobenzene	108.8%	74-121
Percent Solids	73.0%	

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950711-FW-IW-SL0019D(A-D)
Control No: 82389
Sample Date: 7/11/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1448
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	72	66
Acrolein	<66	66
Acrylonitrile	<66	66
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<7	7
2-Butanone (MEK)	<66	66
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<7	7
2-Chloroethylvinyl ether	<26	26
Chloroform	<7	7
Chloromethane	<7	7
Dibromochloromethane	<7	7
1,2-Dibromoethane (EDB)	<7	7
Dibromomethane	<7	7
trans-1,4-Dichloro-2-butene	<33	33
Dichlorodifluoromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
trans-1,2-Dichloroethene	<7	7
1,1-Dichloroethene	<7	7
1,2-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethylbenzene	<7	7
Ethyl methacrylate	<20	20
2-Hexanone	<66	66
Iodomethane	<7	7
Methylene chloride (Dichloromethane)	<7	7
4-Methyl-2-pentanone (MIBK)	<66	66

P-19D

Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Trichlorofluoromethane	<7	7
1,2,3-Trichloropropane	<7	7
Vinyl acetate	<39	39
Vinyl chloride	<7	7
Xylenes	<7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	108.9%	80-120
Toluene-d8	95.8%	81-117
4-Bromofluorobenzene	100.8%	74-121
Percent Solids	76.0%	

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0020(A-H)
Control No.: 82684
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 14:47
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

P-26

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		7	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	96.3 %	80 - 120
Toluene-d8	99.9 %	81 - 117
4-Bromofluorobenzene	110.1 %	74 - 121

Percent Solids 99.6 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0021(A-F)
Control No.: 82686
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 14:47
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	52	52
Acrolein	<	52	52
Acrylonitrile	<	52	52
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	52	52
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	52	52
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	52	52

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	102.5 %	80 - 120
Toluene-d8	98.5 %	81 - 117
4-Bromofluorobenzene	120.5 %	74 - 121

Percent Solids	96.0 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0022(A-B)
Control No.: 82797
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 16:05
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	53	53
Acrolein	<	53	53
Acrylonitrile	<	53	53
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	53	53
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	53	53
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	53	53

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	32	32
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	93.3 %	80 - 120
Toluene-d8	101.3 %	81 - 117
4-Bromofluorobenzene	107.0 %	74 - 121

Percent Solids	95.0 %

Approved by: Jerry Hamsath

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0023(A-B)
Control No.: 82799
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 16:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	60	60
Acrolein	<	60	60
Acrylonitrile	<	60	60
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	60	60
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	30	30
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	60	60
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	60	60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	90.7 %	80 - 120
Toluene-d8	100.8 %	81 - 117
4-Bromofluorobenzene	97.2 %	74 - 121

Percent Solids	83.0 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IWSL0024S
Control No.: 82803
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 18:13
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	76	76
Acrolein	<	76	76
Acrylonitrile	<	76	76
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	76	76
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	30	30
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	38	38
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	76	76
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	76	76

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	45	45
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	93.5 %	80 - 120
Toluene-d8	103.8 %	81 - 117
4-Bromofluorobenzene	86.0 %	74 - 121

Percent Solids	66.0 %

Approved by: Jerry Hamilton

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0024D(A-D)
Control No.: 82801
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 17:30
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	93.1 %	80 - 120
Toluene-d8	101.0 %	81 - 117
4-Bromofluorobenzene	91.8 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hamrock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0025(A-C)
Control No.: 82637
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 13:30
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	97.8 %	80 - 120
Toluene-d8	102.5 %	81 - 117
4-Bromofluorobenzene	99.3 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hamaoka

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950711-FW-IW-SL0026(a-b)
Control No: 82391
Sample Date: 7/11/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1614
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	<56	56
Acrolein	<56	56
Acrylonitrile	<56	56
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<56	56
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<22	22
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<28	28
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<17	17
2-Hexanone	<56	56
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	9	6
4-Methyl-2-pentanone (MIBK)	<56	56

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<34	34
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	103.7%	80-120
Toluene-d8	93.2%	81-117
4-Bromofluorobenzene	108.2%	74-121
Percent Solids	89.0%	

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950713-FW-IW-SL0027(a-f)
Control No: 82516
Sample Date: 7/13/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1830
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	77	77
Acrolein	<77	77
Acrylonitrile	<77	77
Benzene	<8	8
Bromodichloromethane	<8	8
Bromoform	<8	8
Bromomethane	<8	8
2-Butanone (MEK)	<77	77
Carbon disulfide	<8	8
Carbon tetrachloride	<8	8
Chlorobenzene	<8	8
Chloroethane	<8	8
2-Chloroethylvinyl ether	<31	31
Chloroform	<8	8
Chloromethane	<8	8
Dibromochloromethane	<8	8
1,2-Dibromoethane (EDB)	<8	8
Dibromomethane	<8	8
trans-1,4-Dichloro-2-butene	<38	38
Dichlorodifluoromethane	<8	8
1,1-Dichloroethane	<8	8
1,2-Dichloroethane	<8	8
trans-1,2-Dichloroethene	<8	8
1,1-Dichloroethene	<8	8
1,2-Dichloropropene	<8	8
trans-1,3-Dichloropropene	<8	8
Ethylbenzene	<8	8
Ethyl methacrylate	<23	23
2-Hexanone	<77	77
Iodomethane	<8	8
Methylene chloride (Dichloromethane)	<8	8
4-Methyl-2-pentanone (MIBK)	<77	77

Styrene	<8	8
1,1,2,2-Tetrachloroethane	<8	8
Tetrachloroethene	<8	8
Toluene	<8	8
1,1,1-Trichloroethane	<8	8
1,1,2-Trichloroethane	<8	8
Trichloroethene	<8	8
Trichlorofluoromethane	<8	8
1,2,3-Trichloropropane	<8	8
Vinyl acetate	<46	46
Vinyl chloride	<8	8
Xylenes	<8	8

Surrogate Recoveries		**Range**
Dibromofluoromethane	100.8%	80-120
Toluene-d8	108.2%	81-117
4-Bromofluorobenzene	99.1%	74-121
Percent Solids	65.0%	

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0028S(A-B)
Control No.: 83708
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 15:48
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		213	78
Acrolein	<	78	78
Acrylonitrile	<	78	78
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	78	78
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	31	31
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	39	39
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	78	78
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	78	78

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	47	47
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	92.0 %	74 - 121

Percent Solids 64.0 %

Approved by: [signature]

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0028D(A-B)
Control No.: 83710
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 16:34
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		114	77
Acrolein	<	77	77
Acrylonitrile	<	77	77
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	77	77
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	31	31
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	38	38
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	77	77
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	77	77

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	46	46
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.0 %	80 - 120
Toluene-d8	107.8 %	81 - 117
4-Bromofluorobenzene	117.3 %	74 - 121

Percent Solids	65.0 %

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0029 (A-C)
Control No.: 83589
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 14:18
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	113.8 %	80 - 120
Toluene-d8	106.3 %	81 - 117
4-Bromofluorobenzene	105.8 %	74 - 121

Percent Solids	79.0 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0030 (A-D)
Control No.: 83591
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 15:03
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		5	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	94.5 %	80 - 120
Toluene-d8	97.8 %	81 - 117
4-Bromofluorobenzene	110.5 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hamsath

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0031 (A-C)
Control No.: 83587
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 15:49
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	55	55
Acrolein	<	55	55
Acrylonitrile	<	55	55
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	55	55
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	55	55
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	55	55

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	91.8 %	80 - 120
Toluene-d8	106.0 %	81 - 117
4-Bromofluorobenzene	99.0 %	74 - 121

Percent Solids	91.0 %

Approved by: [signature]

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0032
Control No.: 83712
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 17:18
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	68	68
Acrolein	<	68	68
Acrylonitrile	<	68	68
Benzene	<	7	7
Bromodichloromethane	<	7	7
Bromoform	<	7	7
Bromomethane	<	7	7
2-Butanone (MEK)	<	68	68
Carbon disulfide	<	7	7
Carbon tetrachloride	<	7	7
Chlorobenzene	<	7	7
Chloroethane	<	7	7
2-Chloroethylvinyl ether	<	27	27
Chloroform	<	7	7
Chloromethane	<	7	7
Dibromochloromethane	<	7	7
1,2-Dibromoethane (EDB)	<	7	7
Dibromomethane	<	7	7
trans-1,4-Dichloro-2-butene	<	34	34
Dichlorodifluoromethane	<	7	7
1,1-Dichloroethane	<	7	7
1,2-Dichloroethane	<	7	7
trans-1,2-Dichloroethene	<	7	7
1,1-Dichloroethene	<	7	7
1,2-Dichloropropane	<	7	7
cis-1,3-Dichloropropene	<	7	7
trans-1,3-Dichloropropene	<	7	7
Ethylbenzene	<	7	7
Ethyl methacrylate	<	20	20
2-Hexanone	<	68	68
Iodomethane	<	7	7
Methylene chloride (Dichloromethane)	<	7	7
4-Methyl-2-pentanone (MIBK)	<	68	68

Styrene	<	7	7
1,1,2,2-Tetrachloroethane	<	7	7
Tetrachloroethene	<	7	7
Toluene	<	7	7
1,1,1-Trichloroethane	<	7	7
1,1,2-Trichloroethane	<	7	7
Trichloroethene	<	7	7
Trichlorofluoromethane	<	7	7
1,2,3-Trichloropropane	<	7	7
Vinyl acetate	<	41	41
Vinyl chloride	<	7	7
Xylenes	<	7	7

Surrogate Recoveries		Range
Dibromofluoromethane	96.8 %	80 - 120
Toluene-d8	106.3 %	81 - 117
4-Bromofluorobenzene	91.5 %	74 - 121

Percent Solids	74.0 %

Approved by: Jerry Hancock

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number [illegible]

Project Location [illegible] AL

Laboratory [illegible]

Sampler(s)/Affiliation K. Thalman

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 4 250 ml s/cas	8270 Priority Pollutant metals Barium, Cyanide 1 liter glass								TOTAL
950707-FW-IW-SL0018A	S	7/7/95		1									1
950707-FW-IW-SL0018A	S			1									1
950707-FW-IW-SL0018C	S			1									1
950707-FW-IW-SL0018B	S			1									1
950707-FW-IW-SL0018e	S			1									1
950707-FW-IW-SL0018	S				1								1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 6

Relinquished by: Kathryn J. Malm	Organization: Geraghty & Miller	Date 7/7/95	Time 1715	Seal Intact?
Received by: Larry J. Church	Organization: Guardian Systems	Date 7/7/95	Time 1715	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Composite 0018a – 0018e for VOC analysis in laboratory

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

000513

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman/G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 Priority Pollutant Metals, Barium Cyanide 1 liter glass								TOTAL
950710-FW-IW-SL00195(a)	S	7-10-95		1									1
950710-FW-IW-SL00195(b)	S			1									1
950710-FW-IW-SL00195(c)	S			1									1
950710-FW-IW-SL00195(d)	S			1									1
950710-FW-IW SL00195(e)	S			1									1
950710-FW-IW-SL00195(f)	S			1									1
950710-FW-IW SL00195(g)	S			1									1
950710-FW-IW SL00195	S				1								1
				7	1								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 8

Relinquished by: Kathy Thalman	Organization: Geraghty & Miller, Inc.	Date 7/11/95	Time 820	Seal Intact?
Received by: S. Allison	Organization: Gaurdian Lab.	Date 7/11/95	Time 820	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: 950710-FW-IW-SL00195(a-g) Composite in laboratory for VOC analysis.

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000519

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman/G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 824P 250 ml sterile *	837C Preserved poly bottle w/ HNO3 & 1 liter sterile								TOTAL
950711-FW-IW-SL00190(a)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(b)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(c)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(d)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190	S	7-11-95 1510			1								1
950711-FW-IW-SL00026(a)	S	7-11-95 1630		1									1
950711-FW-IW-SL00026(b)	S	7-11-95 1630		1									1
950711-FW-IW-SL00026	S	7-11-95 1630			1								1
				6	2								8

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 8

				Seal Intact?
Relinquished by: Kathryn D. Thalman	Organization: Geraghty & Miller Inc.	Date 7/12/95	Time 9:05 AM	Yes No N/A
Received by: J. Allison	Organization: Guardian Lab.	Date 7/12/95	Time 9:05 AM	
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks:

Composite 950711-FW-IW-SL00190 a-d for VOC analysis in lab

Composite 950711-FW-IW-SL00026 a & b for VOC analysis in lab

Delivery Method: ☒ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

SPECIFY SPECIFY

000520

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman / G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250 ml glass	8270 Priority Pollutant Metals, barium, cyanide 1 litre glass								TOTAL
950713-FW-IW-SL0027(a)	S	7/13/95 - 0945		1									1
950713-FW-IW-SL0027(b)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(c)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(d)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(e)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(f)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027	S	7-13-95 0945			1								1
950713-FW-IW-SL00065(a)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065(b)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065(c)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065	S	7-13-95 1130			1								1
				9	2								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 11

Relinquished by: Katherine J Thalman	Organization: Geraghty & Miller, Inc	Date 7/14/95	Time 0800 AM	Seal Intact? Yes No N/A
Received by: S. Allison	Organization: Guardian Sys.	Date 7/14/95	Time 0800 AM	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:

* Composite SL0027a-f for VOC analysis
* Composite SL00065 a-c for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000521

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 priority pollutant metals, barium, cyanide 1 liter glass								TOTAL
950714-FW-IW-SL0006D(a)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(b)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(c)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(d)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(e)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(f)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(g)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(h)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(i)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D	S	7-14-95 1400			1								1
				9	1								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 10

Relinquished by: Katherine L. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/14/95	Time 1655	Seal Intact?
Received by: [signature]	Organization: Gaurdian Systems	Date 7/14/95	Time 1655	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: * Composite 950714-FW-IW-SL0006D (a-i) for VOA analyses

Delivery Method: ☒ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

000522

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman G&M
D. Pang G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 Primarily pollutant metals, Barium, Cyanide 1 liter glass								TOTAL
950718-FW-IW-SL0007(a)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(b)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(c)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(d)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(e)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007	S	7-18-95 1430			1								1
950718-FW-IW-SL0025(a)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025(b)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025(c)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025	S	7-18-95 1600			1								1
Total				8	2								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 10

Relinquished by: Katherine J. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/19/95	Time 2:55 Am	Seal Intact? Yes No N/A
Received by: S. Allison	Organization: Guardian Sys.	Date 7/19/95	Time 2:55 Am	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:

Composite 950718-FW-IW-SL0007 a-e for VOC analysis (8240)

Composite 950718-FW-IW-SL0025 a-e for VOC analysis (8240)

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000523

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman G&M
D. Page G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270, Priority Pollutant metals, Barium Cyanide 1 litre glass								TOTAL
950718-FW-IW-SL0017(a)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(b)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(c)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(d)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(e)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017	S	7-18-95 1300			1								1
950718-FW-IW-SL0005(a)	S	7-18-95 1400		1	1								1
950718-FW-IW-SL0005(b)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(c)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(d)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(e)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005	S	7-18-95 1400			1								1
Total				10	2								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 12

Relinquished by: Kathy Thalman	Organization: Geraghty & Miller, Inc.	Date 7/17/95 Time 0755 Am	Seal Intact? Yes No (N/A)
Received by: S. Allison	Organization: Guardian Lab.	Date 7/17/95 Time 0755 Am	
Relinquished by:	Organization:	Date / / Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / / Time	

Special Instructions/Remarks: * Composite 950718-FW-IW-SL0017 a-e for VOC analysis
Composite 950718-FW-IW-SL0005 a-e for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000524

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Guardian

Sampler(s)/Affiliation K. Thelman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250 ml *	8270 Priority Pollutant metals barium cyanide 1 Yr glass								TOTAL
950719-FW-IW SL0020(a)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(b)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(c)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(d)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(e)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(f)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(g)	S	7-19-95 1530		1									
950719-FW-IW -SL0020(h)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 [illegible]	S	7-19-95 1530		1	1								
950719-FW-IW -SL0021(a)	S	7-19-95 1500		1									
950719-FW-IW -SL0021(b)	S	7-19-95 1500		1									
950719-FW-IW -SL0021(c)	S	7-19-95 1500		1									
950719-FW-IW -SL0021(d)	S	7-19-95 1500		1									
950719-FW-IW -SL0021(e)	S	7-19-95 1500		1									
950719-FW-IW -SL0021(f)	S	7-19-95 1500		1									

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: Katherine L. Thelman	Organization: Geraghty & Miller Inc	Date 7/20/95 Time 7:35	Seal Intact? Yes No N/A
Received by: Jerry Hancock	Organization: Guardian Laboratories	Date 7/20/95 Time 7:25	
Relinquished by:	Organization:	Date / / Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / / Time	

Special Instructions/Remarks:

* Composite 950719-FW-IW-SL0020 a-e for VOC analysis
Composite 950719-FW-IW-SL0021 a-g for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

000525

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml	8270 Priority Pollutant metals, Barium Cyanide 1 liter								TOTAL
950719-FW-IW-SL0021 (S)				1									1
(A) ~~950719-FW-IW-SL0021 (h)~~													~~1~~ (A)
950719-FW-IW-SL0021					1								1
Total				1	1								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 2

Relinquished by: Kathryn J. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/20/95	Time 7:35	Seal Intact?
Received by: [signature]	Organization: Gaurdian Fuller	Date 7/20/95	Time 7:35	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

000526

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270, Priority Pollutant Metals, Cyanide Barium 1 liter								TOTAL
950719-FW-IW-SL0009(a)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(b)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(c)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(d)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(e)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(f)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(g)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009	S	7-19-95 1610			1								1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 8

Relinquished by: Katherine J. Thalman	Organization: Geraghty & Miller, Inc	Date 7/20/95	Time 7:35	Seal Intact? Yes No N/A
Received by: Jerry Hancock	Organization: Guardian Rapids	Date 7/20/95	Time 7:35	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:

* Composite 950719-FW-SL-0009 a-g in VOC analysis.

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000527

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number TF0320.013

Project Location Birmingham Ala.

Laboratory Gardian

Sampler(s)/Affiliation KT
DP

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250mL Glass	8270 Priority Pollutants metals barium Cyanide 1L Glass								TOTAL
950720-FW-IW SL0008	S	7-20-95 11:45			1								1
950720-FW-IW SL0008(a)	S	7-20-95 11:45		1									1
950720-FW-IW SL0008(b)	S	7/20/95 11:45		1									1
950720-FW-IW SL0008(c)	S	7/20/95 11:45		1									1
950720-FW-IW SL0013D	S	7/20/95 15:15			1								1
950720-FW-IW SL0013D(a)	S			1									1
950720-FW-IW SL0013D(b)	S			1									1
950720-FW-IW SL0013D(c)	S			1									1
950720-FW-IW SL0013D(d)	S			1									1
950720-FW-IW SL0013D(e)	S			1									1
950720-FW-IW SL0013D(f)	S			1									1
950720-FW-IW SL0013D(g)	S			1									1
950720-FW-IW SL0013D(H)	S			1									1
950720-FW-IW SL0001D	S	7-20 16:15			1								1
950720-FW-IW SL0001D(A)	S	7-20 95 16:15		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact? Yes No N/A
Received by: _____	Organization: _____	Date / /	Time _____	
Relinquished by: Katherine Thelm	Organization: Geraghty & Miller	Date 7/21/95	Time [illegible]	Seal Intact? Yes No N/A
Received by: S. Allison	Organization: [illegible]	Date 7/21/95	Time [illegible]	

Special Instructions/Remarks: Composite 950720-FW-IW-SL0008 (a+b+c) in Lab for Vol. 8240
Composite 950720-FW-IW-SL0013D (a+b+c+d+e+f+g+h) in Lab " " "
Composite 950720-FW-IW-SL0001D (a+b) in Lab for

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000529

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Project Number TF0320.013

Project Location Birmingham Ala

Laboratory Gradian

Sampler(s)/Affiliation KT G:M DP

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250mL Glass	8270 Priority Pollutant metals Barium, Cyanide 1 Liter Glass								TOTAL
950720-FW-IW SL0001D(b)	S	7-20-95 16:15		1									1
950720-FW-IW SL0015	S	7-20-95 11:00			1								1
950720-FW-IW SL0015(a)	S	7-20-95 11:00		1									1
950720-FW-IW SL0015 (b)	S	7-20-95 11:00		1									1
950720-FW-IW SL0015 (c)	S	7-20-95 11:00		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 5

Relinquished by: _____	Organization: _____	Date __/__/__ Time _____	Seal Intact? Yes No N/A
Received by: _____	Organization: _____	Date __/__/__ Time _____	
Relinquished by: Katherine J. Thelma	Organization: Geraghty & Miller Inc	Date 7/21/95 Time 800	Seal Intact? Yes No N/A
Received by: S. Allison	Organization: [illegible]	Date 7/21/95 Time [illegible]	

Special Instructions/Remarks:
Composite 950720-FW-IW-SL0015 (a+b+c) in Lab for VOC's 8240

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

000529

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gardien

Sampler(s)/Affiliation K. Thelman / G&M
D. Page / G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270, priority pollutant metals, barium/cyanide 1 liter glass								TOTAL
950720-FW-IW-SL0022(a)	S	7-20-95 1430		1									1
950720-FW-IW-SL0022(b)	S	7-20-95 1430		1									1
950720-FW-IW-SL0022	S	7-20-95 1430			1								1
950720-FW-IW-SL0023(a)	S	7-20-95 1400		1									1
950720-FW-IW-SL0023(b)	S	7-20-95 1400		1									1
950720-FW-IW-SL0023	S	7-20-95 1400			1								1
950720-FW-IW-SL0024D(a)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(b)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(c)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(d)	S	7-20-95 1330		1	~~2~~ 1								1
950720-FW-IW-SL0024D	S	7-20-95 1330			1								1
950720-FW-IW-SL0024S	S	7-20-95 1330		1	1								2
~~950720-FW-IW-SL0022~~ TE													

Sample Code: L = Liquid; S = Solid; A = Air Total 9 4

Total No. of Bottles/Containers 13

Relinquished by: Kathryn J. Thelman	Organization: Geraghty & Miller, Inc.	Date 7/24/95	Time 7:50	Seal Intact? Yes No N/A
Received by: [signature]	Organization: Gardien Laboratory	Date 7/21/95	Time 7:50	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: * Composite ~~SL~~ 950720-FW-IW-SL0022 at 6 in 1.6 for VOC analysis
Composite 950720-FW-IW-SL0023 at 6 in 1.6 for VOC analysis
Composite 950720-FW-FW-SL0024D at 6 in 1.6 for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

000530

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 priority pollutant metals, barium, cyanide 1 liter glass								TOTAL
950720-FW-IW-SL0016	S	7-20-95 1140		1	1								2
950720-FW-IW-SL0012	S	7-20-95 0940		(K) 5	1								1
950720-FW-IW-SL0014(a)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(b)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(c)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(d)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014	S	7-20-95 1000			1								1
950720-FW-IW-SL0012(a)	S	7-20-95 0940		1									1
950720-FW-IW-SL0012(b)	S	7-20-95 0940		1									1
950720-FW-IW-SL0011	S	7-20-95 0920		1	1								2
950720-FW-IW-SL0010(a)	S	7-20-95 0900		1									1
950720-FW-IW-SL0010(b)	S	7-20-95 0900		1									1
950720-FW-IW-SL0010	S	7-20-95 0900			1								1
Total				10	5								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 15

Relinquished by: Kathryn Thalman	Organization: Geraghty & Miller, Inc.	Date 7/21/95	Time 2:50	Seal Intact? Yes No N/A
Received by: Jerry Hancock	Organization: Gaurdian Laboratories	Date 7/21/95	Time 2:50	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: * Composite 950720-FW-IW-SL0012 a+b in 1-6 in VOCs 8240
* Composite 950720-FW-IW-SL0014 a-d in 1-6 in VOCs 8240
Composite 950720-FW-IW-SL0010 a+b in 1-6 in VOCs 8240

Delivery Method: ☑ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

000531

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gardian

Sampler(s)/Affiliation K. Thalmann/G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 250 ml glass *	8270 (priority pollutant metals, barium, cyanide) 1 glass jar								TOTAL
~~950728-FW-IW-SL0004~~													
950728-FW-IW-SL0004 (6)	S	7/28/95 1100		1									1
950728-FW-IW SL0004 (6)	S	↓		1									1
950728-FW-IW-SL0004	S				1								1
950728-FW-IW-SL0003 (c)	S	7/28/95 1000		1									1
950728-FW-IW-SL0003 (6)	S	↓		1									1
950728-FW-IW-SL0003	S				1								1
950728-FW-IW-SL0002 (c)	S	7/28/95 0915		1									1
950728-FW-IW-SL0002 (6)	S	↓		1									1
950728-FW-IW-SL0002	S	↓			1								1

Total 6 3

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 9

				Seal Intact?
Relinquished by: Kathryn J. Thalmann	Organization: Geraghty & Miller, Inc.	Date 7/28/95	Time 1420	
Received by: [illegible]	Organization: [illegible]	Date 7/28/95	Time [illegible]	Yes No (N/A)
Relinquished by: _____	Organization: _____	Date / /	Time _____	
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks: Composite 950728-FW-IW-SL0004 (6) for VOC analysis
Composite 950728-FW-IW-SL0003 (6) for VOC analysis
Composite 950728-FW-IW-SL0002 (6) for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____
SPECIFY SPECIFY

0000532

GAUGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman/G-M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 * 250 ml slam	8270 priority pollutant + metals, barium, cyanide								TOTAL
950810-FW-IW-SL00015	S	8/10/95 1030		1	1								2
950910-FW-IW-SL00031(a)	S	9/10/95 1145		H 3 1	*								1
950910-FW-IW-SL00031(b)	S	9/10/95 1145		1									1
950810-FW-IW-SL00031(c)	S	9/10/95 1145		1									1
950910-FW-IW-SL00031	S	9/1-/95 1145			1								1
950810-FW-IW-SL00029(a)	S	8/10/95 1445		1									1
950910-FW-IW-SL00029(b)	S			1									1
950810-FW-IW-SL00029(c)	S			1									1
950910-FW-IW-SL00029	S				1								1
950910-FW-IW-SL00030(a)	S	8/15/95 1600		1									1
950910-FW-IW-SL00030(b)	S			1									1
950810-FW-IW-SL00030(c)	S			1									1
950910-FW-IW-SL00030(d)	S			1									1
950810-FW-IW-SL00030	S				1								1
Total				11	4							Total No. of Bottles/ Containers	15

Sample Code: L = Liquid; S = Solid; A = Air

000533

				Seal Intact?
Relinquished by: Kathryn J. Thalman	Organization: Gaughty/Miller, Inc.	Date 9/11/95	Time 1350	
Received by: [illegible]	Organization: [illegible]	Date 9/11/95	Time 1350	Yes No (N/A)
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks: *Composite 950810-FW-IW SL00031 (a-c)
Composite 950810-FW-IW SL00029 (a-c)
" 950810-FW-IW SL00030 (a-d)

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

GERAGHTY & MILLER, INC.
Environmental Services
a heidemij company

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Project Number TF0320.013
Project Location Birmingham, AL
Laboratory Gaurdian
Sampler(s)/Affiliation K Thalman / G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250ml glass *	8270, Priority Pollutant Metals, Barium, Cyanide 1 liter glass								TOTAL
950814-FW-IW-SL00285(a)	S	8-14-95		1									1
950814-FW-IW-SL00285(b)	S	8-14-95		1									1
950814-FW-IW-SL00285	S	8-14-95			1								1
950814-FW-IW-SL0028D(a)	S	8-14-95		1									1
950814-FW-IW-SL0028D(b)	S	8-14-95		1									1
950814-FW-IW-SL0028D	S	8-14-95			1								1
950814-FW-IW-SL0032	S	8-14-95		1	1								2
950814-FW-IW-SL00135(a)	S	8-14-95		1									1
950814-FW-IW-SL00135(b)	S	8-14-95		1									1
950814-FW-IW-SL00135(c)	S	8-14-95		1									1
950814-FW-IW-SL00135	S	8-14-95			1								1
950814-FW-IW-SL0000(a)	S			1									1
950814-FW-IW-SL0000(b)	↓	↓		1									1
950814-FW-IW-SL0000(c)				1									1
950814-FW-IW-SL0000(d)	↓			1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: See page 2

Relinquished by: Kathryn Thalman	Organization: Geraghty & Miller, Inc.	Date 8/15/95	Time 8:30 AM	Seal Intact?
Received by: J. Allison	Organization: Guardian Labs	Date 8/15/95	Time 8:30 AM	Yes No N/A (circled N/A)
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: *Composite 950814-FW-IW-SL00285 a+b for VOC
" 950814-FW-IW-SL0028D a+b for VOC
" 950814-FW-IW-SL00135 a,b,c for VOC, comp 950814-FW-IW-SL0000 a,b,c,d

Delivery Method: ☒ In Person ☐ Common Carrier ________ SPECIFY ☐ Lab Courier ☐ Other ________ SPECIFY

G&M Form 09.9.91

000534

GERA[illegible]TY & MIL[illegible] INC. Environme[illegible] Services
a heidemij company

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K Thelman/G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8270 Priority Pollutant Metals, Barium, Cyanide 1 liter									TOTAL
950814-FW-IW-SL0000	S	8-14-95		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 17

Relinquished by: Katherine J. Thelman	Organization: Gerard Mitchell, Inc.	Date 8/15/95	Time 800 am	Seal Intact?
Received by: S. Allison	Organization: Guardian Hyd.	Date 8/15/95	Time 0800 am	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

G&M Form 09.9.91

000535

APPENDIX II

8260 SPIKE RECOVERIES

Percent Table

Analysis Date: 7/18/95
Control No.: 82516

	LFM Recovery	LFM DUP Recovery	ACCEPTANCE RANGE	RPD	RPD MAX
1 pentafluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
2 dichlorodifluoromethane	91.3%	99.1%	50.0% - 150.0%	8.3	40.0
3 chloromethane (SPCC)	97.4%	99.4%	10.0% - 273.0%	2.0	65.0
4 vinyl chloride (CCC)	99.5%	102.1%	10.0% - 251.0%	2.6	65.0
5 bromomethane	104.5%	99.7%	10.0% - 242.0%	4.6	65.0
6 chloroethane	95.5%	92.2%	44.0% - 136.0%	3.5	40.0
7 trichlorofluoromethane	102.1%	99.7%	17.0% - 181.0%	2.4	65.0
8 acrolein	105.0%	108.8%	22.0% - 164.0%	3.6	65.0
9 1,1-dichloroethylene (CCC)	106.3%	106.1%	36.0% - 161.0%	0.2	50.0
10 carbon disulfide	105.6%	105.4%	35.0% - 244.0%	0.2	65.0
11 iodomethane	102.3%	102.5%	77.0% - 105.0%	0.2	40.0
12 acetone	101.3% *	94.1% *	29.0% - 92.0%	7.4	40.0
13 dichloromethane	104.6%	104.2%	10.0% - 221.0%	0.4	65.0
14 trans-1,2-dichloroethylene	108.9%	108.9%	54.0% - 156.0%	0.1	40.0
15 acrylonitrile	104.6%	104.4%	61.0% - 145.0%	0.2	40.0
16 1,1-dichloroethane (SPCC)	104.9%	106.1%	59.0% - 155.0%	1.1	40.0
17 vinyl acetate	101.6%	102.2%	50.0% - 150.0%	0.6	40.0
18 2,2-dichloropropane	108.6%	109.3%	10.0% - 210.0%	0.6	40.0
19 cis-1,2-dichloroethylene	108.8%	109.7%	54.0% - 156.0%	0.8	40.0
20 methyl ethyl ketone	105.7%	101.3%	10.0% - 111.0%	4.3	40.0
21 bromochloromethane	106.3%	98.6%	50.0% - 150.0%	7.5	40.0
22 chloroform (CCC)	105.0%	109.2%	51.0% - 138.0%	4.0	40.0
23 1,1,1-trichloroethane	104.7%	105.7%	52.0% - 162.0%	0.9	40.0
24 dibromofluoromethane (SURR)	NA	NA	NA - NA	NA	NA
25 1,4-difluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
26 1,1-dichloropropene	105.8%	101.6%	50.0% - 150.0%	4.0	40.0
27 carbon tetrachloride	106.3%	99.5%	70.0% - 140.0%	6.6	40.0
28 benzene	102.8%	100.7%	48.0% - 150.0%	2.0	27.0
29 1,2-dichloroethane	106.6%	93.0%	49.0% - 155.0%	13.6	40.0
30 trichloroethylene	98.4%	98.4%	43.0% - 140.0%	0.0	27.0
31 1,2-dichloropropane (CCC)	103.6%	104.9%	10.0% - 210.0%	1.3	65.0
32 dibromomethane	97.2%	98.1%	50.0% - 150.0%	0.9	40.0
33 dichlorobromomethane	105.5%	108.1%	35.0% - 155.0%	2.4	40.0
34 2-chloroethyl vinyl ether	106.4%	109.5%	10.0% - 184.0%	2.8	65.0
35 trans-1,3-dichloropropene	107.5%	107.4%	17.0% - 183.0%	0.1	65.0
36 4-methyl-2-pentanone	102.1%	96.0%	64.0% - 125.0%	6.2	49.0
37 toluene-d8 (SURR)	NA	NA	NA - NA	NA	NA
38 toluene (CCC)	102.5%	91.3%	51.0% - 141.0%	11.6	27.0
39 cis-1,3-dichloropropene	107.5%	105.8%	10.0% - 227.0%	1.6	65.0
40 ethyl methacrylate	104.1% *	90.0% *	47.0% - 87.0%	14.5	40.0
41 1,1,2-trichloroethane	105.3%	95.2%	52.0% - 150.0%	10.1	40.0
42 chlorobenzene-d5 (ISTD)	NA	NA	NA - NA	NA	NA
43 tetrachloroethene	90.4%	87.9%	64.0% - 148.0%	2.9	40.0
44 1,3-dichloropropane	99.4%	94.7%	10.0% - 210.0%	4.8	40.0
45 2-hexanone	98.1% *	94.2% *	22.0% - 86.0%	4.1	40.0
46 dibromochloromethane	97.3%	90.7%	53.0% - 140.0%	7.1	65.0
47 1,2-dibromoethane	99.1%	96.5%	86.0% - 153.0%	2.7	40.0
48 chlorobenzene (SPCC)	96.2%	90.8%	54.0% - 138.0%	5.8	33.0

N/A Not Applicable
N/S Not Specified in Method 8260

	Spike Recovery	Duplicate Recovery	Range for Recovery		
49 1,1,1,2-tetrachloroethane	94.7%	91.2%	46.0% - 157.0%	3.7	40.0
50 ethylbenzene (CCC)	98.8%	93.2%	37.0% - 162.0%	5.9	40.0
51 m,p-xylene	96.3%	89.9%	50.0% - 150.0%	6.9	40.0
52 o-xylene	97.8%	94.2%	50.0% - 150.0%	3.7	40.0
53 styrene	98.2%	94.4%	89.0% - 101.0%	4.0	40.0
54 bromoform (SPCC)	96.2%	91.6%	45.0% - 169.0%	4.9	40.0
55 1,4-dichlorobenzene-d4 (ISTD)	NA	NA	NA - NA	NA	NA
56 isopropylbenzene	98.2%	105.6%	50.0% - 150.0%	7.2	40.0
57 4-bromofluorobenzene(SURR)	NA	NA	NA - NA	NA	NA
58 bromobenzene	95.9%	98.6%	50.0% - 150.0%	2.8	40.0
59 1,1,2,2-tetrachloroethane(SPCC)	102.6%	109.0%	46.0% - 157.0%	6.1	40.0
60 1,2,3-trichloropropane	101.9%	105.8%	43.0% - 105.0%	3.7	40.0
61 n-propylbenzene	100.6%	108.0%	50.0% - 150.0%	7.1	40.0
62 2-chlorotoluene	97.9%	103.2%	50.0% - 150.0%	5.3	40.0
63 1,4-dichloro-2-butene	105.0%	109.1%	50.0% - 150.0%	3.8	40.0
64 4-chlorotoluene	101.8%	108.4%	50.0% - 150.0%	6.3	40.0
65 1,3,5-trimethylbenzene	100.7%	108.8%	50.0% - 150.0%	7.7	40.0
66 tert-butylbenzene	98.7%	106.8%	50.0% - 150.0%	7.9	40.0
67 1,2,4-trimethylbenzene	100.5%	104.4%	50.0% - 150.0%	3.9	40.0
68 sec-butylbenzene	102.6%	107.2%	50.0% - 150.0%	4.4	40.0
69 1,3-dichlorobenzene	97.8%	104.9%	50.0% - 150.0%	7.0	40.0
70 1,4-dichlorobenzene	101.0%	102.0%	50.0% - 150.0%	1.0	40.0
71 p-isopropyltoluene	99.9%	114.7%	50.0% - 150.0%	13.8	40.0
72 1,2-dichlorobenzene	100.2%	110.3%	50.0% - 150.0%	9.6	40.0
73 n-butylbenzene	103.5%	114.8%	50.0% - 150.0%	10.4	40.0
74 1,2-dibromo-3-chloropropane	100.8%	107.9%	50.0% - 150.0%	6.8	40.0

N/A Not Applicable
N/S Not Specified in Method 8260

8260 SPIKE RECOVERY FORM

Amount Table

Analysis Date: 7/18/95
Control No.: 82516

Spike Amount: 250.0 ng
Sample Weight: 5.00 g

	Sample	Spike	Spike Duplicate
1 pentafluorobenzene (ISTD)	40.0	40.0	40.0
2 dichlorodifluoromethane	0.0	45.6	49.6
3 chloromethane (SPCC)	0.0	48.7	49.7
4 vinyl chloride (CCC)	0.0	49.8	51.0
5 bromomethane	0.0	52.2	49.9
6 chloroethane	0.0	47.8	46.1
7 trichlorofluoromethane	0.0	51.0	49.8
8 acrolein	2.9	527.8	547.0
9 1,1-dichloroethylene (CCC)	0.0	53.2	53.1
10 carbon disulfide	0.0	528.2	526.9
11 iodomethane	0.0	511.6	512.6
12 acetone	28.5	535.1	499.0
13 dichloromethane	0.0	52.3	52.1
14 trans-1,2-dichloroethylene	0.0	54.4	54.5
15 acrylonitrile	5.7	528.7	527.9
16 1,1-dichloroethane (SPCC)	0.0	52.5	53.1
17 vinyl acetate	0.0	508.2	511.1
18 2,2-dichloropropane	0.0	54.3	54.6
19 cis-1,2-dichloroethylene	0.0	54.4	54.9
20 methyl ethyl ketone	6.7	535.2	513.0
21 bromochloromethane	0.0	53.1	49.3
22 chloroform (CCC)	0.0	52.5	54.6
23 1,1,1-trichloroethane	0.0	52.4	52.9
24 dibromofluoromethane (SURR)	40.3	44.8	46.7
25 1,4-difluorobenzene (ISTD)	40.0	0.0	0.0
26 1,1-dichloropropene	0.0	52.9	50.8
27 carbon tetrachloride	0.0	53.1	49.8
28 benzene	0.0	51.4	50.4
29 1,2-dichloroethane	0.0	53.3	46.5
30 trichloroethylene	0.0	49.2	49.2
31 1,2-dichloropropane (CCC)	0.0	51.8	52.5
32 dibromomethane	0.0	48.6	49.0
33 dichlorobromomethane	0.0	52.8	54.1
34 2-chloroethyl vinyl ether	0.0	532.2	547.6
35 trans-1,3-dichloropropene	0.0	53.8	53.7
36 4-methyl-2-pentanone	3.9	514.3	483.7
37 toluene-d8 (SURR)	43.3	43.3	38.8
38 toluene (CCC)	1.2	52.5	46.8
39 cis-1,3-dichloropropene	0.0	53.7	52.9
40 ethyl methacrylate	1.2	521.5	451.3
41 1,1,2-trichloroethane	0.0	52.6	47.6
42 chlorobenzene-d5 (ISTD)	40.0	40.0	40.0
43 tetrachloroethene	0.0	45.2	43.9
44 1,3-dichloropropane	0.0	49.7	47.4
45 2-hexanone	10.3	500.8	481.3
46 dibromochloromethane	0.0	48.7	45.3
47 1,2-dibromoethane	0.0	49.5	48.2
48 chlorobenzene (SPCC)	0.0	48.1	45.4

	Sample	Spike	Spike Duplicate
49 1,1,1,2-tetrachloroethane	0.0	47.3	45.6
50 ethylbenzene (CCC)	0.0	49.4	46.6
51 m,p-xylene	0.0	96.3	89.9
52 o-xylene	0.0	48.9	47.1
53 styrene	0.0	49.1	47.2
54 bromoform (SPCC)	0.0	48.1	45.8
55 1,4-dichlorobenzene-d4 (ISTD)	40.0	40.0	40.0
56 isopropylbenzene	0.0	49.1	52.8
57 4-bromofluorobenzene(SURR)	39.6	38.5	41.4
58 bromobenzene	0.0	48.0	49.3
59 1,1,2,2-tetrachloroethane(SPCC)	0.0	51.3	54.5
60 1,2,3-trichloropropane	0.0	51.0	52.9
61 n-propylbenzene	0.0	50.3	54.0
62 2-chlorotoluene	0.0	49.0	51.6
63 1,4-dichloro-2-butene	0.0	525.1	545.4
64 4-chlorotoluene	0.0	50.9	54.2
65 1,3,5-trimethylbenzene	0.0	50.4	54.4
66 tert-butylbenzene	0.0	49.3	53.4
67 1,2,4-trimethylbenzene	0.0	50.2	52.2
68 sec-butylbenzene	0.0	51.3	53.6
69 1,3-dichlorobenzene	0.0	48.9	52.4
70 1,4-dichlorobenzene	0.0	50.5	51.0
71 p-isopropyltoluene	0.0	50.0	57.4
72 1,2-dichlorobenzene	0.0	50.1	55.1
73 n-butylbenzene	0.0	51.7	57.4
74 1,2-dibromo-3-chloropropane	0.0	50.4	53.9

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950713-FW-IW-SL00279(A-F)SPIKE
Control No.: 82516LFM
Sample Date: 7/13/95
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 18-Jul-95 21:03
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	823	77
Acrolein	812	77
Acrylonitrile	813	77
Benzene	79	8
Bromodichloromethane	81	8
Bromoform	74	8
Bromomethane	80	8
2-Butanone (MEK)	823	77
Carbon disulfide	813	8
Carbon tetrachloride	82	8
Chlorobenzene	74	8
Chloroethane	74	8
2-Chloroethylvinyl ether	819	31
Chloroform	81	8
Chloromethane	75	8
Dibromochloromethane	75	8
1,2-Dibromoethane (EDB)	76	8
Dibromomethane	75	8
trans-1,4-Dichloro-2-butene	808	38
Dichlorodifluoromethane	70	8
1,1-Dichloroethane	81	8
1,2-Dichloroethane	82	8
trans-1,2-Dichloroethene	84	8
1,1-Dichloroethene	82	8
1,2-Dichloropropane	80	8
cis-1,3-Dichloropropene	83	8
trans-1,3-Dichloropropene	83	8
Ethylbenzene	76	8
Ethyl methacrylate	802	23
2-Hexanone	770	77
Iodomethane	787	8
Methylene chloride (Dichloromethane)	80	8
4-Methyl-2-pentanone (MIBK)	791	77

Styrene	76	8
1,1,2,2-Tetrachloroethane	79	8
Tetrachloroethene	70	8
Toluene	81	8
1,1,1-Trichloroethane	81	8
1,1,2-Trichloroethane	81	8
Trichloroethene	76	8
Trichlorofluoromethane	78	8
1,2,3-Trichloropropane	78	8
Vinyl acetate	782	46
Vinyl chloride	77	8
Xylenes	148	8

Surrogate Recoveries		Range
Dibromofluoromethane	112.0 %	80 - 120
Toluene-d8	108.3 %	81 - 117
4-Bromofluorobenzene	100.0 %	74 - 121

Percent Solids	65.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:03 pm using AcqMethod 8260LLS
Sample Name: 82516 LFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 LFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	45.6 ug/kg	
3	Chloromethane (SPCC)	1.42	48.7 ug/kg	
4	Vinyl Chloride (CCC)	1.76	49.8 ug/kg	
5	Bromomethane	2.48	52.2 ug/kg	
6	Chloroethane	2.85	47.8 ug/kg	
7	Trichlorofluoromethane	3.97	51.0 ug/kg	
8	Acrolein	4.18	527.8 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	53.2 ug/kg	
10	Carbon Disulfide	5.17	528.2 ug/kg	
11	Iodomethane	4.80	511.6 ug/kg	
12	Acetone	4.53	535.1 ug/kg	
13	Dichloromethane	5.33	52.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	54.4 ug/kg	
15	Acrylonitrile	5.35	528.7 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	52.5 ug/kg	
17	Vinyl Acetate	7.33	508.2 ug/kg	
18	2,2-Dichloropropane	8.05	54.3 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	54.4 ug/kg	
20	Methyl Ethyl Ketone	7.66	535.2 ug/kg	
21	Bromochloromethane	7.88	53.1 ug/kg	
22	Chloroform (CCC)	8.02	52.5 ug/kg	
23	1,1,1-Trichloroethane	8.99	52.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	44.8 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	52.9 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:03 pm using AcqMethod 8260LLS
Sample Name: 82516 LFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 LFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	53.1 ug/kg	
28	Benzene	9.59	51.4 ug/kg	
29	1,2-Dichloroethane	8.91	53.3 ug/kg	
30	Trichloroethylene	10.58	49.2 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	51.8 ug/kg	
32	Dibromomethane	10.41	48.6 ug/kg	#
33	Dichlorobromomethane	10.65	52.8 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.51	532.2 ug/kg	
35	trans-1,3-Dichloropropene	12.40	53.8 ug/kg	
36	4-Methyl-2-Pentanone	12.01	514.3 ug/kg	
37	Toluene-d8 (SURR)	12.72	43.3 ug/kg	
38	Toluene (CCC)	12.82	52.5 ug/kg	
39	cis-1,3-Dichloropropene	11.69	53.7 ug/kg	
40	Ethyl Methacrylate	13.28	521.5 ug/kg	
41	1,1,2-Trichloroethane	12.55	52.6 ug/kg	
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	45.2 ug/kg	
44	1,3-Dichloropropane	12.92	49.7 ug/kg	
45	2-Hexanone	13.37	500.8 ug/kg	
46	Dibromochloromethane	13.21	48.7 ug/kg	
47	1,2-Dibromoethane	13.55	49.5 ug/kg	
48	Chlorobenzene (SPCC)	14.94	48.1 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	47.3 ug/kg	
50	Ethylbenzene (CCC)	15.36	49.4 ug/kg	
51	m,p-Xylene	15.72	96.3 ug/kg	
52	o-Xylene	16.33	48.9 ug/kg	
53	Styrene	16.22	49.1 ug/kg	
54	Bromoform (SPCC)	15.66	48.1 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	49.1 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	38.5 ug/kg	
58	Bromobenzene	17.18	48.0 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	51.3 ug/kg	
60	1,2,3-Trichloropropane	16.54	51.0 ug/kg	
61	n-Propylbenzene	17.70	50.3 ug/kg	
62	2-Chlorotoluene	17.75	49.0 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	525.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:03 pm using AcqMethod 8260LLS
Sample Name: 82516 LFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 LFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	50.9 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	50.4 ug/kg	
66	tert-Butylbenzene	18.68	49.3 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	50.2 ug/kg	
68	sec-Butylbenzene	19.10	51.3 ug/kg	
69	1,3-Dichlorobenzene	19.07	48.9 ug/kg	
70	1,4-Dichlorobenzene	19.23	50.5 ug/kg	
71	p-Isopropyltoluene	19.55	50.0 ug/kg	
72	1,2-Dichlorobenzene	19.84	50.1 ug/kg	
73	n-Butylbenzene	20.24	51.7 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	50.4 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

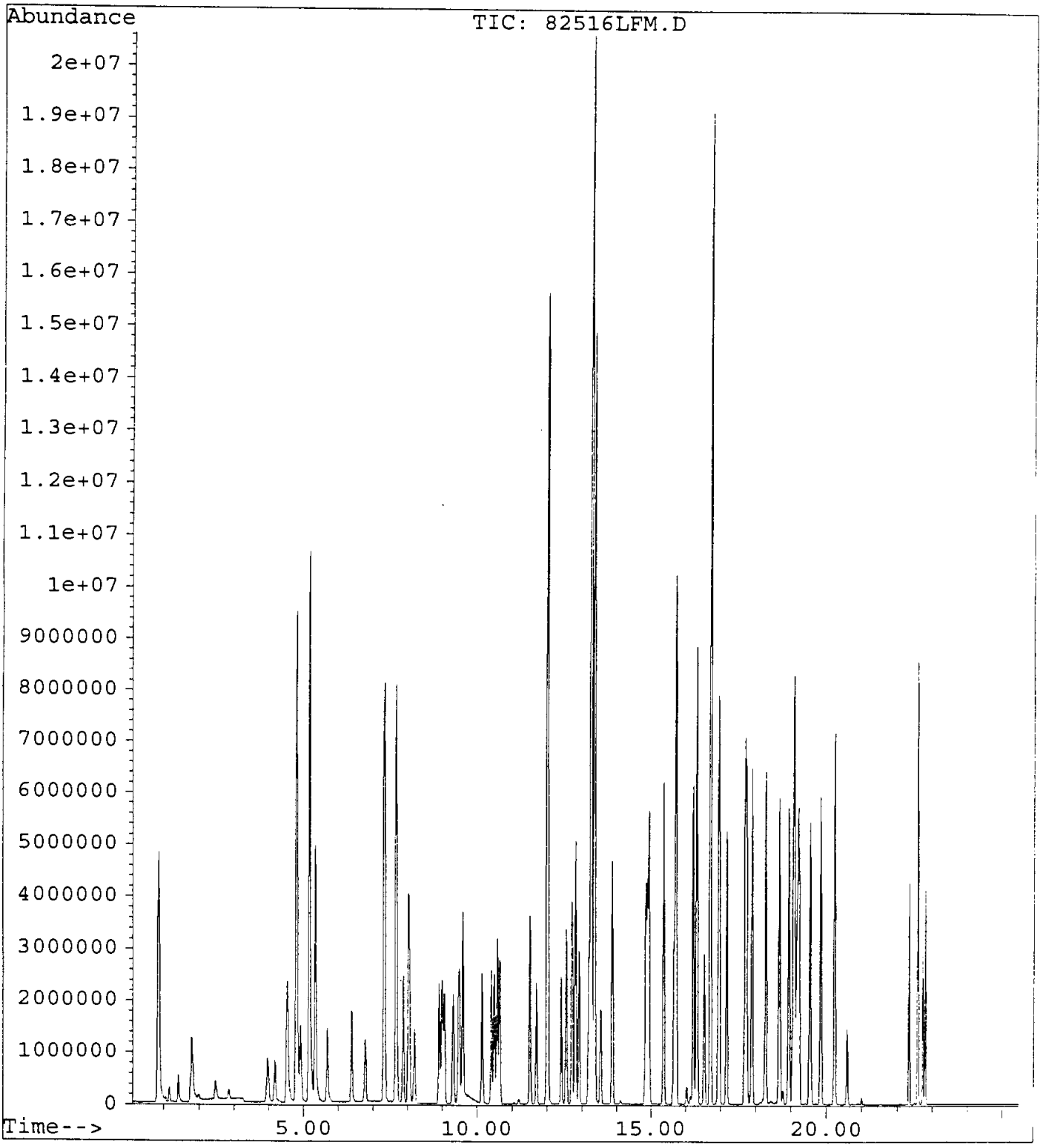
File Name	82516LFM.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 21:03
Method	8260LLS
Misc Info	82516 LFM 5.0 g COMPOSITE OF 6 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	21985438	40.00	ug/kg	*ISTD
2	1.168	85.00	Dichlorodifluoromethane	3694422	45.64	ug/kg	
3	1.417	50.00	Chloromethane (SPCC)	9081421	48.71	ug/kg	
4	1.759	62.00	Vinyl Chloride (CCC)	6683035	49.75	ug/kg	
5	2.479	94.00	Bromomethane	4087534	52.24	ug/kg	
6	2.855	64.00	Chloroethane	1499296	47.77	ug/kg	
7	3.968	101.00	Trichlorofluoromethane	15746843	51.03	ug/kg	
8	4.176	56.00	Acrolein	13068430	527.83	ug/kg	
9	4.915	61.00	1,1-Dichloroethylene (CCC)	18313482	53.16	ug/kg	
10	5.173	78.00	Carbon Disulfide	24631133	528.17	ug/kg	
11	4.800	127.00	Iodomethane	1.17E+08	511.64	ug/kg	
12	4.532	43.00	Acetone	76773323	535.10	ug/kg	
13	5.330	49.00	Dichloromethane	21440062	52.31	ug/kg	
14	6.387	61.00	trans-1,2-Dichloroethylene	16381071	54.44	ug/kg	
15	5.345	53.00	Acrylonitrile	42677024	528.68	ug/kg	
16	6.777	63.00	1,1-Dichloroethane (SPCC)	19104827	52.47	ug/kg	
17	7.329	86.00	Vinyl Acetate	5523310	508.17	ug/kg	
18	8.049	77.00	2,2-Dichloropropane	22505193	54.31	ug/kg	
19	7.678	61.00	cis-1,2-Dichloroethylene	22985003	54.39	ug/kg	
20	7.663	72.00	Methyl Ethyl Ketone	16395792	535.24	ug/kg	

21	7.878	130.00	Bromochloromethane		8607650	53.14	ug/kg	
22	8.024	83.00	Chloroform (CCC)		26639602	52.49	ug/kg	
23	8.994	97.00	1,1,1-Trichloroethane		26065663	52.36	ug/kg	
24	8.197	113.00	Dibromofluoromethane (SURR)		12100450	44.81	ug/kg	
25	10.145	114.00	1,4-Difluorobenzene		26722933	40.00	ug/kg	ISTD
26	9.314	75.00	1,1-Dichloropropene		19716018	52.88	ug/kg	
27	9.480	117.00	Carbon Tetrachloride		23803160	53.14	ug/kg	
28	9.590	78.00	Benzene		44416527	51.38	ug/kg	
29	8.910	62.00	1,2-Dichloroethane		28993673	53.32	ug/kg	
30	10.580	130.00	Trichloroethylene		13073020	49.22	ug/kg	
31	10.494	63.00	1,2-Dichloropropane (CCC)		14948882	51.79	ug/kg	
32	10.412	174.00	Dibromomethane		13293859	48.61	ug/kg	
33	10.651	83.00	Dichlorobromomethane		25144495	52.76	ug/kg	
34	11.514	63.00	2-Chloroethyl Vinyl Ether		20391742	532.22	ug/kg	
35	12.404	75.00	trans-1,3-Dichloropropene		24557390	53.76	ug/kg	
36	12.009	43.00	4-Methyl-2-Pentanone		2.49E+08	514.26	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		35683179	43.34	ug/kg	
38	12.815	91.00	Toluene (CCC)		53819144	52.46	ug/kg	
39	11.694	75.00	cis-1,3-Dichloropropene		25133171	53.73	ug/kg	
40	13.276	99.00	Ethyl Methacrylate		42789330	521.54	ug/kg	
41	12.551	97.00	1,1,2-Trichloroethane		14422818	52.63	ug/kg	
42	14.894	54.00	Chlorobenzene-d5		10759262	40.00	ug/kg	ISTD
43	13.881	166.00	Tetrachloroethylene		23206125	45.22	ug/kg	
44	12.923	76.00	1,3-Dichloropropane		23835681	49.71	ug/kg	
45	13.366	43.00	2-Hexanone		2.09E+08	500.83	ug/kg	
46	13.206	129.00	Dibromochloromethane		21447281	48.67	ug/kg	
47	13.545	107.00	1,2-Dibromoethane		17044614	49.54	ug/kg	
48	14.944	112.00	Chlorobenzene (SPCC)		41572335	48.12	ug/kg	

49	14.850	131.00	1,1,1,2-Tetrachloroethane		18165860	47.34	ug/kg	
50	15.365	91.00	Ethylbenzene (CCC)		74302025	49.42	ug/kg	
51	15.719	106.00	m,p-Xylene		45035189	96.30	ug/kg	
52	16.326	91.00	o-Xylene		60787358	48.92	ug/kg	
53	16.219	104.00	Styrene		39204098	49.11	ug/kg	
54	15.660	173.00	Bromoform (SPCC)		24070668	48.12	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4		22278281	40.00	ug/kg	ISTD
56	16.964	105.00	Isopropylbenzene		59949121	49.11	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)		19285663	38.48	ug/kg	
58	17.183	158.00	Bromobenzene		23697041	47.96	ug/kg	
59	16.314	83.00	1,1,2,2-Tetrachloroethane (SPCC)		25509525	51.28	ug/kg	
60	16.536	75.00	1,2,3-Trichloropropane		22854778	50.96	ug/kg	
61	17.704	91.00	n-Propylbenzene		1.41E+08	50.30	ug/kg	
62	17.749	126.00	2-Chlorotoluene		17281478	48.95	ug/kg	
63	16.715	75.00	1,4-Dichloro-2-Butene		85307285	525.13	ug/kg	
64	17.899	91.00	4-Chlorotoluene		58321670	50.88	ug/kg	
65	18.286	105.00	1,3,5-Trimethylbenzene		58682025	50.35	ug/kg	
66	18.675	119.00	tert-Butylbenzene		45488890	49.34	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene		24475038	50.24	ug/kg	
68	19.100	105.00	sec-Butylbenzene		69023851	51.30	ug/kg	
69	19.073	146.00	1,3-Dichlorobenzene		36606611	48.90	ug/kg	
70	19.228	146.00	1,4-Dichlorobenzene		41373228	50.49	ug/kg	
71	19.548	119.00	p-Isopropyltoluene		52338132	49.97	ug/kg	
72	19.845	146.00	1,2-Dichlorobenzene		38451095	50.10	ug/kg	
73	20.236	91.00	n-Butylbenzene		61032968	51.73	ug/kg	
74	20.593	157.00	1,2-Dibromo-3-Chloropropane		6716160	50.39	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82516LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:03 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82516 LFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 LFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950713-FW-IW-SL00279(A-F)SPIKE
Control No.: 82516DFM
Sample Date: 7/13/95
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 18-Jul-95 21:40
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	768	77
Acrolein	842	77
Acrylonitrile	812	77
Benzene	78	8
Bromodichloromethane	83	8
Bromoform	70	8
Bromomethane	77	8
2-Butanone (MEK)	789	77
Carbon disulfide	811	8
Carbon tetrachloride	77	8
Chlorobenzene	70	8
Chloroethane	71	8
2-Chloroethylvinyl ether	842	31
Chloroform	84	8
Chloromethane	76	8
Dibromochloromethane	70	8
1,2-Dibromoethane (EDB)	74	8
Dibromomethane	75	8
trans-1,4-Dichloro-2-butene	839	38
Dichlorodifluoromethane	76	8
1,1-Dichloroethane	82	8
1,2-Dichloroethane	72	8
trans-1,2-Dichloroethene	84	8
1,1-Dichloroethene	82	8
1,2-Dichloropropane	81	8
cis-1,3-Dichloropropene	81	8
trans-1,3-Dichloropropene	83	8
Ethylbenzene	72	8
Ethyl methacrylate	694	23
2-Hexanone	740	77
Iodomethane	789	8
Methylene chloride (Dichloromethane)	80	8
4-Methyl-2-pentanone (MIBK)	744	77

Styrene	73	8
1,1,2,2-Tetrachloroethane	84	8
Tetrachloroethene	68	8
Toluene	72	8
1,1,1-Trichloroethane	81	8
1,1,2-Trichloroethane	73	8
Trichloroethene	76	8
Trichlorofluoromethane	77	8
1,2,3-Trichloropropane	81	8
Vinyl acetate	786	46
Vinyl chloride	78	8
Xylenes	138	8

Surrogate Recoveries		Range
Dibromofluoromethane	116.8 %	80 - 120
Toluene-d8	97.0 %	81 - 117
4-Bromofluorobenzene	103.5 %	74 - 121

Percent Solids	65.0 %

Approved by: Jerry Kincaid

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:40 pm using AcqMethod 8260LLS
Sample Name: 82516 DFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 DFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	49.6 ug/kg	
3	Chloromethane (SPCC)	1.42	49.7 ug/kg	
4	Vinyl Chloride (CCC)	1.76	51.0 ug/kg	
5	Bromomethane	2.48	49.9 ug/kg	
6	Chloroethane	2.86	46.1 ug/kg	
7	Trichlorofluoromethane	3.97	49.8 ug/kg	
8	Acrolein	4.17	547.0 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	53.1 ug/kg	
10	Carbon Disulfide	5.17	526.9 ug/kg	
11	Iodomethane	4.80	512.6 ug/kg	
12	Acetone	4.53	498.9 ug/kg	
13	Dichloromethane	5.33	52.1 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	54.5 ug/kg	
15	Acrylonitrile	5.35	527.9 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	53.1 ug/kg	
17	Vinyl Acetate	7.33	511.1 ug/kg	
18	2,2-Dichloropropane	8.05	54.6 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	54.8 ug/kg	
20	Methyl Ethyl Ketone	7.66	513.0 ug/kg	
21	Bromochloromethane	7.88	49.3 ug/kg	#
22	Chloroform (CCC)	8.03	54.6 ug/kg	
23	1,1,1-Trichloroethane	9.00	52.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	46.7 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	50.8 ug/kg	

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:40 pm using AcqMethod 8260LLS
Sample Name: 82516 DFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 DFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	49.8 ug/kg	
28	Benzene	9.59	50.4 ug/kg	
29	1,2-Dichloroethane	8.91	46.5 ug/kg	
30	Trichloroethylene	10.58	49.2 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	52.5 ug/kg	
32	Dibromomethane	10.41	49.0 ug/kg	#
33	Dichlorobromomethane	10.65	54.0 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	547.6 ug/kg	
35	trans-1,3-Dichloropropene	12.41	53.7 ug/kg	
36	4-Methyl-2-Pentanone	12.01	483.7 ug/kg	
37	Toluene-d8 (SURR)	12.72	38.8 ug/kg	
38	Toluene (CCC)	12.82	46.8 ug/kg	
39	cis-1,3-Dichloropropene	11.70	52.9 ug/kg	
40	Ethyl Methacrylate	13.28	451.3 ug/kg	
41	1,1,2-Trichloroethane	12.55	47.6 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	43.9 ug/kg	
44	1,3-Dichloropropane	12.93	47.4 ug/kg	
45	2-Hexanone	13.37	481.3 ug/kg	
46	Dibromochloromethane	13.21	45.3 ug/kg	
47	1,2-Dibromoethane	13.55	48.2 ug/kg	
48	Chlorobenzene (SPCC)	14.95	45.4 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	45.6 ug/kg	
50	Ethylbenzene (CCC)	15.37	46.6 ug/kg	
51	m,p-Xylene	15.72	89.9 ug/kg	
52	o-Xylene	16.33	47.1 ug/kg	
53	Styrene	16.22	47.2 ug/kg	
54	Bromoform (SPCC)	15.66	45.8 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	52.8 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	41.4 ug/kg	
58	Bromobenzene	17.19	49.3 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	54.5 ug/kg	
60	1,2,3-Trichloropropane	16.54	52.9 ug/kg	
61	n-Propylbenzene	17.71	54.0 ug/kg	
62	2-Chlorotoluene	17.75	51.6 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	545.4 ug/kg	

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:40 pm using AcqMethod 8260LLS
Sample Name: 82516 DFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 DFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	54.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	54.4 ug/kg	
66	tert-Butylbenzene	18.68	53.4 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	52.2 ug/kg	
68	sec-Butylbenzene	19.10	53.6 ug/kg	
69	1,3-Dichlorobenzene	19.08	52.4 ug/kg	
70	1,4-Dichlorobenzene	19.23	51.0 ug/kg	
71	p-Isopropyltoluene	19.55	57.4 ug/kg	
72	1,2-Dichlorobenzene	19.85	55.1 ug/kg	
73	n-Butylbenzene	20.24	57.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	53.9 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	82516DFM.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 21:40
Method	8260LLS
Misc Info	82516 DFM 5.0 g COMPOSITE OF 6 0718
Bottle Number	1
Number of Compounds	74

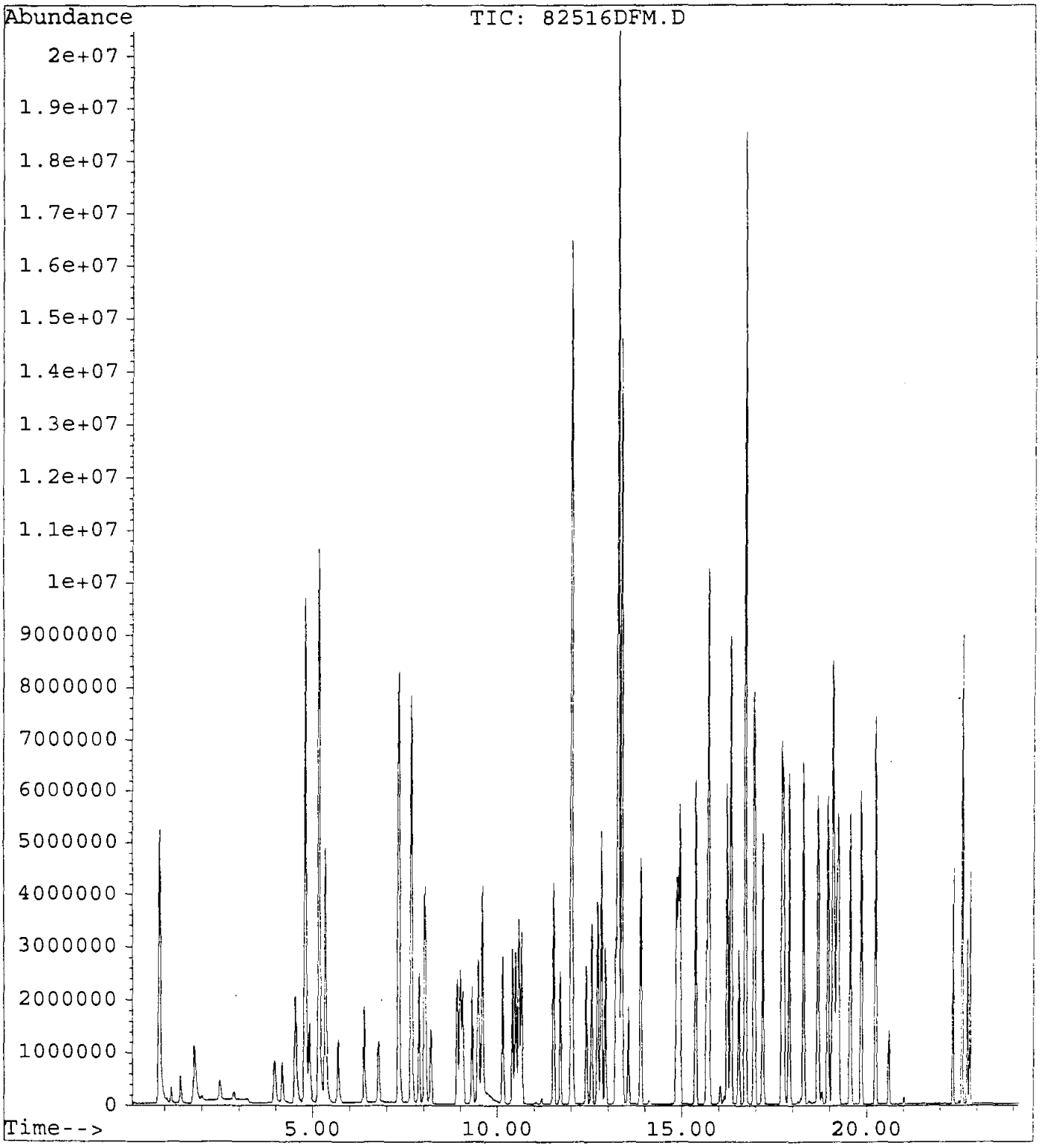
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.064	168.00	Pentafluorobenzene	22130492	40.00	ug/kg	*ISTD
2	1.170	85.00	Dichlorodifluoromethane	4050665	49.57	ug/kg	
3	1.416	50.00	Chloromethane (SPCC)	9299274	49.68	ug/kg	
4	1.760	62.00	Vinyl Chloride (CCC)	6883129	51.04	ug/kg	
5	2.485	94.00	Bromomethane	3957327	49.87	ug/kg	
6	2.858	64.00	Chloroethane	1463984	46.11	ug/kg	
7	3.970	101.00	Trichlorofluoromethane	15507368	49.84	ug/kg	
8	4.175	56.00	Acrolein	13681111	546.97	ug/kg	
9	4.917	61.00	1,1-Dichloroethylene (CCC)	18401501	53.06	ug/kg	
10	5.173	78.00	Carbon Disulfide	24743619	526.93	ug/kg	
11	4.801	127.00	Iodomethane	1.18E+08	512.60	ug/kg	
12	4.534	43.00	Acetone	70999511	498.95	ug/kg	
13	5.331	49.00	Dichloromethane	21517532	52.12	ug/kg	
14	6.389	61.00	trans-1,2-Dichloroethylene	16495809	54.47	ug/kg	
15	5.347	53.00	Acrylonitrile	42883962	527.89	ug/kg	
16	6.780	63.00	1,1-Dichloroethane (SPCC)	19427296	53.06	ug/kg	
17	7.328	86.00	Vinyl Acetate	5598599	511.09	ug/kg	
18	8.052	77.00	2,2-Dichloropropane	22780649	54.63	ug/kg	
19	7.678	61.00	cis-1,2-Dichloroethylene	23304330	54.85	ug/kg	
20	7.662	72.00	Methyl Ethyl Ketone	15723165	513.01	ug/kg	

21	7.879	130.00	Bromochloromethane		8068471	49.32	ug/kg	
22	8.025	83.00	Chloroform (CCC)		27746093	54.62	ug/kg	
23	8.996	97.00	1,1,1-Trichloroethane		26464184	52.85	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		12688166	46.68	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		29761266	40.00	ug/kg	ISTD
26	9.314	75.00	1,1-Dichloropropene		21145867	50.81	ug/kg	
27	9.483	117.00	Carbon Tetrachloride		24850854	49.76	ug/kg	
28	9.592	78.00	Benzene		48528532	50.35	ug/kg	
29	8.913	62.00	1,2-Dichloroethane		27899879	46.52	ug/kg	
30	10.581	130.00	Trichloroethylene		14559380	49.22	ug/kg	
31	10.494	63.00	1,2-Dichloropropane (CCC)		16853111	52.47	ug/kg	
32	10.413	174.00	Dibromomethane		14938512	49.03	ug/kg	
33	10.652	83.00	Dichlorobromomethane		28653540	54.05	ug/kg	
34	11.516	63.00	2-Chloroethyl Vinyl Ether		23809610	547.55	ug/kg	
35	12.406	75.00	trans-1,3-Dichloropropene		27306377	53.69	ug/kg	
36	12.009	43.00	4-Methyl-2-Pentanone		2.59E+08	483.70	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		35614488	38.84	ug/kg	
38	12.817	91.00	Toluene (CCC)		54407392	46.84	ug/kg	
39	11.698	75.00	cis-1,3-Dichloropropene		27533109	52.89	ug/kg	
40	13.278	99.00	Ethyl Methacrylate		41811285	451.29	ug/kg	
41	12.554	97.00	1,1,2-Trichloroethane		14694184	47.59	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		11294918	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		23580860	43.94	ug/kg	
44	12.925	76.00	1,3-Dichloropropane		23804707	47.36	ug/kg	
45	13.367	43.00	2-Hexanone		2.08E+08	481.27	ug/kg	
46	13.206	129.00	Dibromochloromethane		20840260	45.34	ug/kg	
47	13.549	107.00	1,2-Dibromoethane		17374232	48.24	ug/kg	
48	14.946	112.00	Chlorobenzene (SPCC)		41008962	45.42	ug/kg	

49	14.852	131.00	1,1,1,2-Tetrachloroethane		18311164	45.62	ug/kg	
50	15.367	91.00	Ethylbenzene (CCC)		73296197	46.60	ug/kg	
51	15.723	106.00	m,p-Xylene		43965904	89.87	ug/kg	
52	16.328	91.00	o-Xylene		61374431	47.12	ug/kg	
53	16.221	104.00	Styrene		39394447	47.18	ug/kg	
54	15.661	173.00	Bromoform (SPCC)		23820382	45.81	ug/kg	
55	19.181	152.00	1,4-Dichlorobenzene-d4		21028707	40.00	ug/kg	ISTD
56	16.967	105.00	Isopropylbenzene		60759538	52.78	ug/kg	
57	16.939	95.00	4-Bromofluorobenzene (SURR)		19590037	41.41	ug/kg	
58	17.186	158.00	Bromobenzene		22982500	49.31	ug/kg	
59	16.317	83.00	1,1,2,2-Tetrachloroethane (SPCC)		25485495	54.49	ug/kg	
60	16.539	75.00	1,2,3-Trichloropropane		22426407	52.88	ug/kg	
61	17.707	91.00	n-Propylbenzene		1.43E+08	53.99	ug/kg	
62	17.751	126.00	2-Chlorotoluene		17142523	51.60	ug/kg	
63	16.717	75.00	1,4-Dichloro-2-Butene		84877995	545.37	ug/kg	
64	17.901	91.00	4-Chlorotoluene		58497624	54.18	ug/kg	
65	18.291	105.00	1,3,5-Trimethylbenzene		59798261	54.39	ug/kg	
66	18.678	119.00	tert-Butylbenzene		46708659	53.42	ug/kg	
67	18.947	120.00	1,2,4-Trimethylbenzene		24029176	52.22	ug/kg	
68	19.103	105.00	sec-Butylbenzene		68160651	53.62	ug/kg	
69	19.077	146.00	1,3-Dichlorobenzene		37125085	52.43	ug/kg	
70	19.229	146.00	1,4-Dichlorobenzene		39453125	51.01	ug/kg	
71	19.549	119.00	p-Isopropyltoluene		57553938	57.37	ug/kg	
72	19.847	146.00	1,2-Dichlorobenzene		39991595	55.13	ug/kg	
73	20.239	91.00	n-Butylbenzene		64086675	57.38	ug/kg	
74	20.595	157.00	1,2-Dibromo-3-Chloropropane		6734874	53.93	ug/kg	

000558

File : C:\HPCHEM\1\DATA\0718\82516DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 9:40 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82516 DFM 5.0 g COMPOSITE OF 6
Misc Info : 82516 DFM 5.0 g COMPOSITE OF 6 0718
Vial Number: 1



8260 SPIKE RECOVERIES

Percent Table

Analysis Date: 8/2/95
Control No.: 82789

	LFM Recovery	LFM DUP Recovery	ACCEPTANCE RANGE	RPD	RPD MAX
1 pentafluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
2 dichlorodifluoromethane	110.2%	129.9%	50.0% - 150.0%	16.4	40.0
3 chloromethane (SPCC)	85.1%	100.4%	10.0% - 273.0%	16.4	65.0
4 vinyl chloride (CCC)	86.3%	100.8%	10.0% - 251.0%	15.5	65.0
5 bromomethane	93.7%	74.9%	10.0% - 242.0%	22.2	65.0
6 chloroethane	66.2%	68.5%	44.0% - 136.0%	3.4	40.0
7 trichlorofluoromethane	84.6%	104.3%	17.0% - 181.0%	20.9	65.0
8 acrolein	72.6%	99.0%	22.0% - 164.0%	30.8	65.0
9 1,1-dichloroethylene (CCC)	82.6%	105.9%	36.0% - 161.0%	24.7	50.0
10 carbon disulfide	84.2%	111.0%	35.0% - 244.0%	27.5	65.0
11 iodomethane	98.4%	99.8%	77.0% - 105.0%	1.5	40.0
12 acetone	96.3% *	101.0% *	29.0% - 92.0%	4.7	40.0
13 dichloromethane	95.8%	98.2%	10.0% - 221.0%	2.5	65.0
14 trans-1,2-dichloroethylene	85.8%	112.3%	54.0% - 156.0%	26.7	40.0
15 acrylonitrile	87.7%	117.5%	61.0% - 145.0%	29.1	40.0
16 1,1-dichloroethane (SPCC)	81.2%	106.2%	59.0% - 155.0%	26.7	40.0
17 vinyl acetate	70.2%	90.3%	50.0% - 150.0%	25.0	40.0
18 2,2-dichloropropane	95.9%	111.1%	10.0% - 210.0%	14.7	40.0
19 cis-1,2-dichloroethylene	84.3%	107.4%	54.0% - 156.0%	24.1	40.0
20 methyl ethyl ketone	105.7%	100.2%	10.0% - 111.0%	5.4	40.0
21 bromochloromethane	87.9%	107.2%	50.0% - 150.0%	19.7	40.0
22 chloroform (CCC)	81.7%	107.5%	51.0% - 138.0%	27.2	40.0
23 1,1,1-trichloroethane	88.8%	110.7%	52.0% - 162.0%	22.0	40.0
24 dibromofluoromethane (SURR)	NA	NA	NA - NA	NA	NA
25 1,4-difluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
26 1,1-dichloropropene	94.8%	98.5%	50.0% - 150.0%	3.8	40.0
27 carbon tetrachloride	102.8%	89.7%	70.0% - 140.0%	13.6	40.0
28 benzene	93.8%	99.4%	48.0% - 150.0%	5.7	27.0
29 1,2-dichloroethane	94.3%	106.3%	49.0% - 155.0%	11.9	40.0
30 trichloroethylene	93.5%	101.8%	43.0% - 140.0%	8.5	27.0
31 1,2-dichloropropane (CCC)	89.6%	95.7%	10.0% - 210.0%	6.6	65.0
32 dibromomethane	75.7%	78.9%	50.0% - 150.0%	4.1	40.0
33 dichlorobromomethane	93.5%	95.2%	35.0% - 155.0%	1.8	40.0
34 2-chloroethyl vinyl ether	94.4%	101.2%	10.0% - 184.0%	6.9	65.0
35 trans-1,3-dichloropropene	103.7%	99.2%	17.0% - 183.0%	4.5	65.0
36 4-methyl-2-pentanone	89.6%	97.9%	64.0% - 125.0%	8.8	49.0
37 toluene-d8 (SURR)	NA	NA	NA - NA	NA	NA
38 toluene (CCC)	101.3%	95.1%	51.0% - 141.0%	6.4	27.0
39 cis-1,3-dichloropropene	101.7%	92.5%	10.0% - 227.0%	9.5	65.0
40 ethyl methacrylate	94.7% *	94.9% *	47.0% - 87.0%	0.2	40.0
41 1,1,2-trichloroethane	96.6%	94.4%	52.0% - 150.0%	2.3	40.0
42 chlorobenzene-d5 (ISTD)	NA	NA	NA - NA	NA	NA
43 tetrachloroethene	78.5%	79.5%	64.0% - 148.0%	1.2	40.0
44 1,3-dichloropropane	90.2%	98.4%	10.0% - 210.0%	8.7	40.0
45 2-hexanone	102.6% *	91.3% *	22.0% - 86.0%	11.6	40.0
46 dibromochloromethane	94.3%	94.9%	53.0% - 140.0%	0.6	65.0
47 1,2-dibromoethane	97.4%	104.9%	86.0% - 153.0%	7.4	40.0
48 chlorobenzene (SPCC)	94.2%	103.3%	54.0% - 138.0%	9.2	33.0

N/A Not Applicable
N/S Not Specified in Method 8260

	Spike Recovery	Duplicate Recovery	Range for Recovery		
49 1,1,1,2-tetrachloroethane	88.1%	96.8%	46.0% - 157.0%	9.4	40.0
50 ethylbenzene (CCC)	98.4%	107.2%	37.0% - 162.0%	8.6	40.0
51 m,p-xylene	89.8%	106.3%	50.0% - 150.0%	16.8	40.0
52 o-xylene	92.7%	107.0%	50.0% - 150.0%	14.4	40.0
53 styrene	95.2%	110.9% *	89.0% - 101.0%	15.3	40.0
54 bromoform (SPCC)	76.1%	90.9%	45.0% - 169.0%	17.8	40.0
55 1,4-dichlorobenzene-d4 (ISTD)	NA	NA	NA - NA	NA	NA
56 isopropylbenzene	85.6%	103.6%	50.0% - 150.0%	19.1	40.0
57 4-bromofluorobenzene(SURR)	NA	NA	NA - NA	NA	NA
58 bromobenzene	75.2%	95.1%	50.0% - 150.0%	23.4	40.0
59 1,1,2,2-tetrachloroethane(SPCC)	75.6%	102.2%	46.0% - 157.0%	29.9	40.0
60 1,2,3-trichloropropane	79.5%	109.1% *	43.0% - 105.0%	31.4	40.0
61 n-propylbenzene	93.2%	110.9%	50.0% - 150.0%	17.4	40.0
62 2-chlorotoluene	86.6%	105.9%	50.0% - 150.0%	20.1	40.0
63 1,4-dichloro-2-butene	98.7%	100.8%	50.0% - 150.0%	2.1	40.0
64 4-chlorotoluene	90.6%	110.5%	50.0% - 150.0%	19.8	40.0
65 1,3,5-trimethylbenzene	97.7%	115.9%	50.0% - 150.0%	17.1	40.0
66 tert-butylbenzene	98.1%	114.3%	50.0% - 150.0%	15.2	40.0
67 1,2,4-trimethylbenzene	97.1%	117.2%	50.0% - 150.0%	18.8	40.0
68 sec-butylbenzene	105.0%	119.0%	50.0% - 150.0%	12.5	40.0
69 1,3-dichlorobenzene	84.2%	105.1%	50.0% - 150.0%	22.0	40.0
70 1,4-dichlorobenzene	85.7%	105.0%	50.0% - 150.0%	20.2	40.0
71 p-isopropyltoluene	106.1%	119.3%	50.0% - 150.0%	11.7	40.0
72 1,2-dichlorobenzene	86.2%	108.6%	50.0% - 150.0%	23.0	40.0
73 n-butylbenzene	106.8%	123.9%	50.0% - 150.0%	14.8	40.0
74 1,2-dibromo-3-chlorotoluene	71.3%	83.7%	50.0% - 150.0%	16.0	40.0

N/A Not Applicable
N/S Not Specified in Method 8260

8260 SPIKE RECOVERY FORM

Amount Table

Analysis Date: 8/2/95
Control No.: 82789

Spike Amount: 250.0 ng
Sample Weight: 5.00 g

	Sample	Spike	Spike Duplicate
1 pentafluorobenzene (ISTD)	40.0	40.0	40.0
2 dichlorodifluoromethane	0.0	55.1	64.9
3 chloromethane (SPCC)	0.0	42.6	50.2
4 vinyl chloride (CCC)	0.2	43.3	50.6
5 bromomethane	0.5	47.3	38.0
6 chloroethane	0.0	33.1	34.3
7 trichlorofluoromethane	0.0	42.3	52.2
8 acrolein	0.0	362.9	495.2
9 1,1-dichloroethylene (CCC)	0.0	41.3	53.0
10 carbon disulfide	0.0	420.9	554.9
11 iodomethane	0.3	492.1	499.4
12 acetone	10.4	492.1	515.3
13 dichloromethane	0.0	47.9	49.1
14 trans-1,2-dichloroethylene	0.0	42.9	56.2
15 acrylonitrile	0.2	438.6	587.8
16 1,1-dichloroethane (SPCC)	0.0	40.6	53.1
17 vinyl acetate	0.0	351.0	451.4
18 2,2-dichloropropane	0.0	47.9	55.6
19 cis-1,2-dichloroethylene	0.0	42.1	53.7
20 methyl ethyl ketone	0.0	528.5	500.9
21 bromochloromethane	0.0	44.0	53.6
22 chloroform (CCC)	0.2	41.1	54.0
23 1,1,1-trichloroethane	0.2	44.6	55.6
24 dibromofluoromethane (SURR)	38.4	39.6	40.6
25 1,4-difluorobenzene (ISTD)	40.0	0.0	0.0
26 1,1-dichloropropene	0.0	47.4	49.3
27 carbon tetrachloride	0.0	51.4	44.8
28 benzene	0.0	46.9	49.7
29 1,2-dichloroethane	0.0	47.2	53.1
30 trichloroethylene	0.0	46.7	50.9
31 1,2-dichloropropane (CCC)	0.0	44.8	47.9
32 dibromomethane	0.0	37.9	39.4
33 dichlorobromomethane	0.0	46.8	47.6
34 2-chloroethyl vinyl ether	0.0	472.1	505.8
35 trans-1,3-dichloropropene	0.0	51.9	49.6
36 4-methyl-2-pentanone	0.0	448.0	489.3
37 toluene-d8 (SURR)	41.9	36.9	39.6
38 toluene (CCC)	1.2	51.9	48.7
39 cis-1,3-dichloropropene	0.0	50.9	46.2
40 ethyl methacrylate	0.0	473.6	474.5
41 1,1,2-trichloroethane	0.0	48.3	47.2
42 chlorobenzene-d5 (ISTD)	40.0	40.0	40.0
43 tetrachloroethene	0.0	39.3	39.8
44 1,3-dichloropropane	0.0	45.1	49.2
45 2-hexanone	0.0	512.9	456.7
46 dibromochloromethane	0.0	47.2	47.5
47 1,2-dibromoethane	0.0	48.7	52.5
48 chlorobenzene (SPCC)	0.0	47.1	51.7

	Sample	Spike	Spike Duplicate
49 1,1,1,2-tetrachloroethane	0.0	44.0	48.4
50 ethylbenzene (CCC)	0.0	49.2	53.6
51 m,p-xylene	1.1	90.9	107.3
52 o-xylene	0.4	46.7	53.9
53 styrene	0.0	47.6	55.5
54 bromoform (SPCC)	0.0	38.0	45.5
55 1,4-dichlorobenzene-d4 (ISTD)	40.0	40.0	40.0
56 isopropylbenzene	0.1	42.9	52.0
57 4-bromofluorobenzene(SURR)	36.8	39.7	39.3
58 bromobenzene	0.0	37.6	47.6
59 1,1,2,2-tetrachloroethane(SPCC)	0.0	37.8	51.1
60 1,2,3-trichloropropane	0.0	39.8	54.6
61 n-propylbenzene	0.0	46.6	55.5
62 2-chlorotoluene	0.0	43.3	52.9
63 1,4-dichloro-2-butene	0.0	493.7	504.0
64 4-chlorotoluene	0.2	45.5	55.5
65 1,3,5-trimethylbenzene	0.4	49.3	58.4
66 tert-butylbenzene	0.0	49.1	57.1
67 1,2,4-trimethylbenzene	0.9	49.5	59.5
68 sec-butylbenzene	0.1	52.6	59.6
69 1,3-dichlorobenzene	0.0	42.1	52.5
70 1,4-dichlorobenzene	0.0	42.9	52.5
71 p-isopropyltoluene	0.1	53.2	59.8
72 1,2-dichlorobenzene	0.0	43.1	54.3
73 n-butylbenzene	0.2	53.6	62.2
74 1,2-dibromo-3-chlorotoluene	0.0	35.7	41.9

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0016LFM
Control No.: 82789LFM
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 14:31
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	615	63
Acrolein	455	63
Acrylonitrile	549	63
Benzene	59	6
Bromodichloromethane	59	6
Bromoform	48	6
Bromomethane	59	6
2-Butanone (MEK)	661	63
Carbon disulfide	526	6
Carbon tetrachloride	64	6
Chlorobenzene	59	6
Chloroethane	41	6
2-Chloroethylvinyl ether	590	25
Chloroform	51	6
Chloromethane	53	6
Dibromochloromethane	59	6
1,2-Dibromoethane (EDB)	61	6
Dibromomethane	47	6
trans-1,4-Dichloro-2-butene	618	31
Dichlorodifluoromethane	69	6
1,1-Dichloroethane	51	6
1,2-Dichloroethane	59	6
trans-1,2-Dichloroethene	54	6
1,1-Dichloroethene	52	6
1,2-Dichloropropane	56	6
cis-1,3-Dichloropropene	64	6
trans-1,3-Dichloropropene	65	6
Ethylbenzene	62	6
Ethyl methacrylate	593	19
2-Hexanone	641	63
Iodomethane	615	6
Methylene chloride (Dichloromethane)	60	6
4-Methyl-2-pentanone (MIBK)	560	63

Styrene	60	6
1,1,2,2-Tetrachloroethane	47	6
Tetrachloroethene	49	6
Toluene	65	6
1,1,1-Trichloroethane	56	6
1,1,2-Trichloroethane	60	6
Trichloroethene	58	6
Trichlorofluoromethane	53	6
1,2,3-Trichloropropane	50	6
Vinyl acetate	439	38
Vinyl chloride	54	6
Xylenes	149	6

Surrogete Recoveries		**Range**
Dibromofluoromethane	99.0 %	80 - 120
Toluene-d8	92.3 %	81 - 117
4-Bromofluorobenzene	99.3 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Kenworthy

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82789 LFM COMPOSITE OF 1
Misc Info : 82789 LFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	55.1 ug/kg	
3	Chloromethane (SPCC)	1.42	42.6 ug/kg	
4	Vinyl Chloride (CCC)	1.77	43.3 ug/kg	
5	Bromomethane	2.48	47.3 ug/kg	
6	Chloroethane	2.87	33.1 ug/kg	
7	Trichlorofluoromethane	3.97	42.3 ug/kg	
8	Acrolein	4.18	362.9 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	41.3 ug/kg	
10	Carbon Disulfide	5.18	420.9 ug/kg	
11	Iodomethane	4.81	492.1 ug/kg	
12	Acetone	4.53	492.1 ug/kg	
13	Dichloromethane	5.34	47.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	42.9 ug/kg	
15	Acrylonitrile	5.35	438.6 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	40.6 ug/kg	
17	Vinyl Acetate	7.33	351.0 ug/kg	
18	2,2-Dichloropropane	8.05	47.9 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	42.1 ug/kg	
20	Methyl Ethyl Ketone	7.67	528.5 ug/kg	
21	Bromochloromethane	7.88	44.0 ug/kg	
22	Chloroform (CCC)	8.03	41.1 ug/kg	
23	1,1,1-Trichloroethane	8.99	44.6 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	39.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	47.4 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82789 LFM COMPOSITE OF 1
Misc Info : 82789 LFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	51.4 ug/kg	
28	Benzene	9.59	46.9 ug/kg	
29	1,2-Dichloroethane	8.91	47.2 ug/kg	
30	Trichloroethylene	10.58	46.7 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	44.8 ug/kg	
32	Dibromomethane	10.41	37.9 ug/kg	#
33	Dichlorobromomethane	10.65	46.8 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	472.1 ug/kg	
35	trans-1,3-Dichloropropene	12.41	51.9 ug/kg	
36	4-Methyl-2-Pentanone	12.01	447.9 ug/kg	
37	Toluene-d8 (SURR)	12.71	36.9 ug/kg	
38	Toluene (CCC)	12.82	51.9 ug/kg	
39	cis-1,3-Dichloropropene	11.70	50.8 ug/kg	
40	Ethyl Methacrylate	13.28	473.6 ug/kg	
41	1,1,2-Trichloroethane	12.56	48.3 ug/kg	
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	39.3 ug/kg	
44	1,3-Dichloropropane	12.92	45.1 ug/kg	
45	2-Hexanone	13.37	512.9 ug/kg	
46	Dibromochloromethane	13.21	47.2 ug/kg	
47	1,2-Dibromoethane	13.55	48.7 ug/kg	
48	Chlorobenzene (SPCC)	14.94	47.1 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	44.0 ug/kg	
50	Ethylbenzene (CCC)	15.37	49.2 ug/kg	
51	m,p-Xylene	15.72	90.9 ug/kg	
52	o-Xylene	16.32	46.7 ug/kg	
53	Styrene	16.22	47.6 ug/kg	
54	Bromoform (SPCC)	15.66	38.0 ug/kg	
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	42.9 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	39.7 ug/kg	
58	Bromobenzene	17.18	37.6 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	37.8 ug/kg	
60	1,2,3-Trichloropropane	16.53	39.8 ug/kg	
61	n-Propylbenzene	17.70	46.6 ug/kg	
62	2-Chlorotoluene	17.75	43.3 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	493.7 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82789 LFM COMPOSITE OF 1
Misc Info : 82789 LFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	45.5 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	49.3 ug/kg	
66	tert-Butylbenzene	18.67	49.1 ug/kg	
67	1,2,4-Trimethylbenzene	18.94	49.5 ug/kg	
68	sec-Butylbenzene	19.10	52.6 ug/kg	
69	1,3-Dichlorobenzene	19.07	42.1 ug/kg	
70	1,4-Dichlorobenzene	19.22	42.9 ug/kg	
71	p-Isopropyltoluene	19.54	53.2 ug/kg	
72	1,2-Dichlorobenzene	19.84	43.1 ug/kg	
73	n-Butylbenzene	20.23	53.6 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	35.7 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

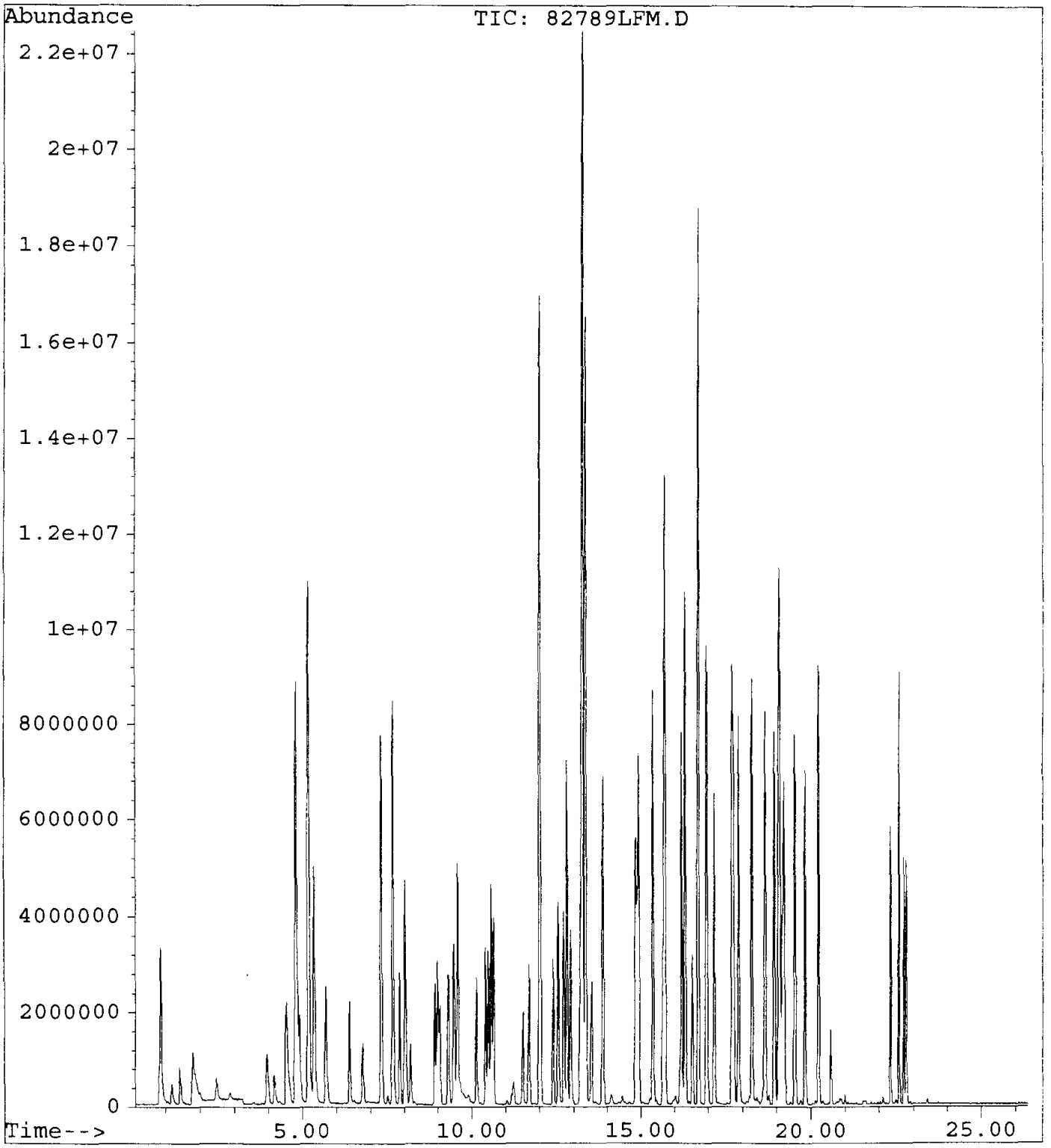
File Name	82789LFM.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 14:31
Method	8260LLS
Misc Info	82789 LFM COMPOSITE OF 1 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.065	168.00	Pentafluorobenzene	21717841	40.00	ug/kg	*ISTD
2	1.180	85.00	Dichlorodifluoromethane	8003688	55.08	ug/kg	
3	1.421	50.00	Chloromethane (SPCC)	13416541	42.57	ug/kg	
4	1.772	62.00	Vinyl Chloride (CCC)	9547206	43.32	ug/kg	
5	2.481	94.00	Bromomethane	4983194	47.33	ug/kg	
6	2.873	64.00	Chloroethane	1670658	33.10	ug/kg	
7	3.974	101.00	Trichlorofluoromethane	20062357	42.29	ug/kg	
8	4.180	56.00	Acrolein	11012503	362.88	ug/kg	
9	4.918	61.00	1,1-Dichloroethylene (CCC)	20659211	41.32	ug/kg	
10	5.177	78.00	Carbon Disulfide	29488480	420.93	ug/kg	
11	4.812	127.00	Iodomethane	1.28E+08	492.06	ug/kg	
12	4.528	43.00	Acetone	88268269	492.08	ug/kg	
13	5.342	49.00	Dichloromethane	30422436	47.91	ug/kg	
14	6.387	61.00	trans-1,2-Dichloroethylene	18641050	42.91	ug/kg	
15	5.345	53.00	Acrylonitrile	39346092	438.55	ug/kg	
16	6.778	63.00	1,1-Dichloroethane (SPCC)	21502794	40.58	ug/kg	
17	7.327	86.00	Vinyl Acetate	4852237	350.99	ug/kg	
18	8.049	77.00	2,2-Dichloropropane	26399550	47.94	ug/kg	
19	7.676	61.00	cis-1,2-Dichloroethylene	26130008	42.14	ug/kg	
20	7.672	72.00	Methyl Ethyl Ketone	17569797	528.50	ug/kg	

21	7.877	130.00	Bromochloromethane		10317278	43.95	ug/kg	
22	8.025	83.00	Chloroform (CCC)		32045642	41.10	ug/kg	
23	8.992	97.00	1,1,1-Trichloroethane		33362775	44.58	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		11541113	39.56	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene		30128636	40.00	ug/kg	ISTD
26	9.313	75.00	1,1-Dichloropropene		25537127	47.41	ug/kg	
27	9.479	117.00	Carbon Tetrachloride		32201374	51.38	ug/kg	
28	9.590	78.00	Benzene		60538906	46.92	ug/kg	
29	8.911	62.00	1,2-Dichloroethane		31472082	47.16	ug/kg	
30	10.580	130.00	Trichloroethylene		20009067	46.73	ug/kg	
31	10.493	63.00	1,2-Dichloropropane (CCC)		19381452	44.81	ug/kg	
32	10.413	174.00	Dibromomethane		17398942	37.87	ug/kg	
33	10.654	83.00	Dichlorobromomethane		32448673	46.75	ug/kg	
34	11.516	63.00	2-Chloroethyl Vinyl Ether		11393811	472.14	ug/kg	
35	12.407	75.00	trans-1,3-Dichloropropene		29679039	51.87	ug/kg	
36	12.011	43.00	4-Methyl-2-Pentanone		2.56E+08	447.95	ug/kg	
37	12.715	98.00	Toluene-d8 (SURR)		43278966	36.89	ug/kg	
38	12.816	91.00	Toluene (CCC)		79714954	51.86	ug/kg	
39	11.697	75.00	cis-1,3-Dichloropropene		31559064	50.85	ug/kg	
40	13.277	99.00	Ethyl Methacrylate		53993485	473.62	ug/kg	
41	12.556	97.00	1,1,2-Trichloroethane		19448835	48.30	ug/kg	
42	14.895	54.00	Chlorobenzene-d5		10008956	40.00	ug/kg	ISTD
43	13.882	166.00	Tetrachloroethylene		34490239	39.26	ug/kg	
44	12.925	76.00	1,3-Dichloropropane		29221265	45.09	ug/kg	
45	13.367	43.00	2-Hexanone		2.19E+08	512.87	ug/kg	
46	13.210	129.00	Dibromochloromethane		29628800	47.17	ug/kg	
47	13.548	107.00	1,2-Dibromoethane		22271997	48.71	ug/kg	
48	14.945	112.00	Chlorobenzene (SPCC)		57635071	47.12	ug/kg	

49	14.850	131.00	1,1,1,2-Tetrachloroethane		25582777	44.03	ug/kg	
50	15.365	91.00	Ethylbenzene (CCC)		1.01E+08	49.21	ug/kg	
51	15.720	106.00	m,p-Xylene		59932673	90.88	ug/kg	
52	16.324	91.00	o-Xylene		80455867	46.71	ug/kg	
53	16.218	104.00	Styrene		52037032	47.61	ug/kg	
54	15.657	173.00	Bromoform (SPCC)		27139939	38.03	ug/kg	
55	19.174	152.00	1,4-Dichlorobenzene-d4		18949688	40.00	ug/kg	ISTD
56	16.962	105.00	Isopropylbenzene		85639397	42.93	ug/kg	
57	16.935	95.00	4-Bromofluorobenzene (SURR)		17923329	39.74	ug/kg	
58	17.183	158.00	Bromobenzene		28456396	37.59	ug/kg	
59	16.312	83.00	1,1,2,2-Tetrachloroethane (SPCC)		26276526	37.80	ug/kg	
60	16.534	75.00	1,2,3-Trichloropropane		23835070	39.77	ug/kg	
61	17.702	91.00	n-Propylbenzene		1.91E+08	46.59	ug/kg	
62	17.747	126.00	2-Chlorotoluene		23265491	43.29	ug/kg	
63	16.713	75.00	1,4-Dichloro-2-Butene		85081511	493.74	ug/kg	
64	17.897	91.00	4-Chlorotoluene		74776036	45.51	ug/kg	
65	18.285	105.00	1,3,5-Trimethylbenzene		83117698	49.25	ug/kg	
66	18.673	119.00	tert-Butylbenzene		67489912	49.06	ug/kg	
67	18.941	120.00	1,2,4-Trimethylbenzene		34814389	49.46	ug/kg	
68	19.097	105.00	sec-Butylbenzene		98931672	52.63	ug/kg	
69	19.071	146.00	1,3-Dichlorobenzene		47203983	42.11	ug/kg	
70	19.224	146.00	1,4-Dichlorobenzene		49298119	42.85	ug/kg	
71	19.545	119.00	p-Isopropyltoluene		82653033	53.20	ug/kg	
72	19.843	146.00	1,2-Dichlorobenzene		45811261	43.10	ug/kg	
73	20.233	91.00	n-Butylbenzene		82873648	53.63	ug/kg	
74	20.591	157.00	1,2-Dibromo-3-Chloropropane		7400652	35.66	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82789LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 2:31 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82789 LFM COMPOSITE OF 1
Misc Info : 82789 LFM COMPOSITE OF 1 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0016DFM
Control No.: 82789DFM
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 15:15
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	644	63
Acrolein	619	63
Acrylonitrile	735	63
Benzene	62	6
Bromodichloromethane	60	6
Bromoform	57	6
Bromomethane	48	6
2-Butanone (MEK)	626	63
Carbon disulfide	694	6
Carbon tetrachloride	56	6
Chlorobenzene	65	6
Chloroethane	43	6
2-Chloroethylvinyl ether	633	25
Chloroform	68	6
Chloromethane	63	6
Dibromochloromethane	59	6
1,2-Dibromoethane (EDB)	66	6
Dibromomethane	49	6
trans-1,4-Dichloro-2-butene	630	31
Dichlorodifluoromethane	81	6
1,1-Dichloroethane	66	6
1,2-Dichloroethane	66	6
trans-1,2-Dichloroethene	70	6
1,1-Dichloroethene	66	6
1,2-Dichloropropane	60	6
cis-1,3-Dichloropropene	58	6
trans-1,3-Dichloropropene	62	6
Ethylbenzene	67	6
Ethyl methacrylate	594	19
2-Hexanone	571	63
Iodomethane	624	6
Methylene chloride (Dichloromethane)	61	6
4-Methyl-2-pentanone (MIBK)	611	63

Styrene	69	6
1,1,2,2-Tetrachloroethane	64	6
Tetrachloroethene	50	6
Toluene	61	6
1,1,1-Trichloroethane	70	6
1,1,2-Trichloroethane	59	6
Trichloroethene	64	6
Trichlorofluoromethane	65	6
1,2,3-Trichloropropane	68	6
Vinyl acetate	564	38
Vinyl chloride	63	6
Xylenes	175	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	101.5 %	80 - 120
Toluene-d8	99.0 %	81 - 117
4-Bromofluorobenzene	98.3 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hancastle

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 3:15 pm using AcqMethod 8260LLS
Sample Name: 82789 DFM COMPOSITE OF 1
Misc Info : 82789 DFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	64.9 ug/kg	
3	Chloromethane (SPCC)	1.42	50.2 ug/kg	
4	Vinyl Chloride (CCC)	1.77	50.6 ug/kg	
5	Bromomethane	2.48	38.0 ug/kg	
6	Chloroethane	2.86	34.2 ug/kg	
7	Trichlorofluoromethane	3.97	52.2 ug/kg	
8	Acrolein	4.17	495.2 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.91	53.0 ug/kg	
10	Carbon Disulfide	5.17	554.9 ug/kg	
11	Iodomethane	4.80	499.4 ug/kg	
12	Acetone	4.53	515.3 ug/kg	
13	Dichloromethane	5.33	49.1 ug/kg	
14	trans-1,2-Dichloroethylene	6.38	56.2 ug/kg	
15	Acrylonitrile	5.34	587.8 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	53.1 ug/kg	
17	Vinyl Acetate	7.32	451.4 ug/kg	
18	2,2-Dichloropropane	8.05	55.5 ug/kg	
19	cis-1,2-Dichloroethylene	7.67	53.7 ug/kg	
20	Methyl Ethyl Ketone	7.66	500.9 ug/kg	
21	Bromochloromethane	7.87	53.6 ug/kg	
22	Chloroform (CCC)	8.02	54.0 ug/kg	
23	1,1,1-Trichloroethane	8.99	55.6 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	40.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	49.2 ug/kg	

000575

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 3:15 pm using AcqMethod 8260LLS
Sample Name: 82789 DFM COMPOSITE OF 1
Misc Info : 82789 DFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	44.8 ug/kg	
28	Benzene	9.59	49.7 ug/kg	
29	1,2-Dichloroethane	8.91	53.1 ug/kg	
30	Trichloroethylene	10.58	50.9 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	47.9 ug/kg	
32	Dibromomethane	10.41	39.4 ug/kg	#
33	Dichlorobromomethane	10.65	47.6 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.51	505.8 ug/kg	
35	trans-1,3-Dichloropropene	12.40	49.6 ug/kg	
36	4-Methyl-2-Pentanone	12.01	489.3 ug/kg	
37	Toluene-d8 (SURR)	12.71	39.6 ug/kg	
38	Toluene (CCC)	12.81	48.7 ug/kg	
39	cis-1,3-Dichloropropene	11.69	46.2 ug/kg	
40	Ethyl Methacrylate	13.27	474.5 ug/kg	
41	1,1,2-Trichloroethane	12.55	47.2 ug/kg	
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	39.8 ug/kg	
44	1,3-Dichloropropane	12.92	49.2 ug/kg	
45	2-Hexanone	13.37	456.7 ug/kg	
46	Dibromochloromethane	13.21	47.5 ug/kg	
47	1,2-Dibromoethane	13.54	52.5 ug/kg	
48	Chlorobenzene (SPCC)	14.94	51.7 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	48.4 ug/kg	
50	Ethylbenzene (CCC)	15.36	53.6 ug/kg	
51	m,p-Xylene	15.72	107.3 ug/kg	
52	o-Xylene	16.32	53.9 ug/kg	
53	Styrene	16.22	55.5 ug/kg	
54	Bromoform (SPCC)	15.66	45.5 ug/kg	
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	52.0 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	39.3 ug/kg	
58	Bromobenzene	17.18	47.6 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	51.1 ug/kg	
60	1,2,3-Trichloropropane	16.53	54.6 ug/kg	
61	n-Propylbenzene	17.70	55.5 ug/kg	
62	2-Chlorotoluene	17.74	52.9 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	504.0 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 3:15 pm using AcqMethod 8260LLS
Sample Name: 82789 DFM COMPOSITE OF 1
Misc Info : 82789 DFM COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.89	55.5 ug/kg	
65	1,3,5-Trimethylbenzene	18.28	58.4 ug/kg	
66	tert-Butylbenzene	18.67	57.1 ug/kg	
67	1,2,4-Trimethylbenzene	18.94	59.5 ug/kg	
68	sec-Butylbenzene	19.09	59.6 ug/kg	
69	1,3-Dichlorobenzene	19.07	52.5 ug/kg	
70	1,4-Dichlorobenzene	19.22	52.5 ug/kg	
71	p-Isopropyltoluene	19.54	59.8 ug/kg	
72	1,2-Dichlorobenzene	19.84	54.3 ug/kg	
73	n-Butylbenzene	20.23	62.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	41.9 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

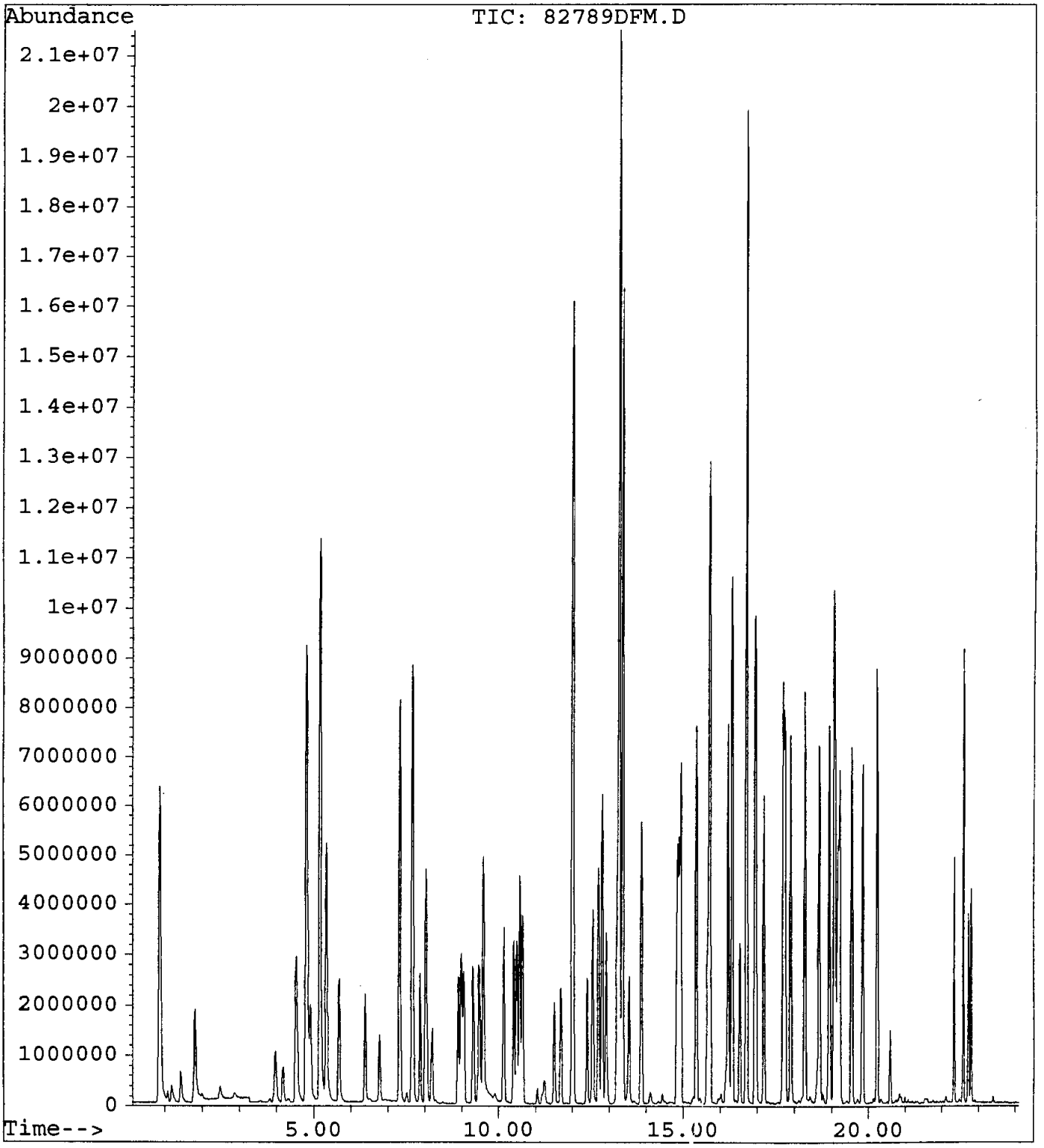
File Name	82789DFM.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 15:15
Method	8260LLS
Misc Info	82789 DFM COMPOSITE OF 1 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	27454732	40.00	ug/kg	*ISTD
2	1.177	85.00	Dichlorodifluoromethane	7227127	64.93	ug/kg	
3	1.418	50.00	Chloromethane (SPCC)	11975691	50.18	ug/kg	
4	1.769	62.00	Vinyl Chloride (CCC)	8511159	50.57	ug/kg	
5	2.476	94.00	Bromomethane	3110431	37.96	ug/kg	
6	2.863	64.00	Chloroethane	1339424	34.25	ug/kg	
7	3.967	101.00	Trichlorofluoromethane	19067961	52.16	ug/kg	
8	4.175	56.00	Acrolein	11894293	495.17	ug/kg	
9	4.914	61.00	1,1-Dichloroethylene (CCC)	20517087	52.95	ug/kg	
10	5.170	78.00	Carbon Disulfide	29634365	554.88	ug/kg	
11	4.803	127.00	Iodomethane	1.26E+08	499.39	ug/kg	
12	4.525	43.00	Acetone	96204831	515.32	ug/kg	
13	5.331	49.00	Dichloromethane	25748126	49.10	ug/kg	
14	6.384	61.00	trans-1,2-Dichloroethylene	19079155	56.15	ug/kg	
15	5.344	53.00	Acrylonitrile	42407323	587.75	ug/kg	
16	6.777	63.00	1,1-Dichloroethane (SPCC)	21840971	53.08	ug/kg	
17	7.319	86.00	Vinyl Acetate	5220015	451.44	ug/kg	
18	8.045	77.00	2,2-Dichloropropane	24164601	55.55	ug/kg	
19	7.675	61.00	cis-1,2-Dichloroethylene	25574881	53.69	ug/kg	
20	7.657	72.00	Methyl Ethyl Ketone	19405091	500.89	ug/kg	

21	7.873	130.00	Bromochloromethane		9829517	53.58	ug/kg	
22	8.023	83.00	Chloroform (CCC)		31960584	53.98	ug/kg	
23	8.992	97.00	1,1,1-Trichloroethane		32129610	55.56	ug/kg	
24	8.197	113.00	Dibromofluoromethane (SURR)		13161793	40.63	ug/kg	
25	10.141	114.00	1,4-Difluorobenzene		38975055	40.00	ug/kg	ISTD
26	9.308	75.00	1,1-Dichloropropene		24644288	49.25	ug/kg	
27	9.478	117.00	Carbon Tetrachloride		25756695	44.84	ug/kg	
28	9.586	78.00	Benzene		59576718	49.69	ug/kg	
29	8.908	62.00	1,2-Dichloroethane		33313838	53.13	ug/kg	
30	10.576	130.00	Trichloroethylene		20248930	50.89	ug/kg	
31	10.490	63.00	1,2-Dichloropropane (CCC)		19216810	47.87	ug/kg	
32	10.410	174.00	Dibromomethane		16827353	39.44	ug/kg	
33	10.651	83.00	Dichlorobromomethane		30670810	47.58	ug/kg	
34	11.513	63.00	2-Chloroethyl Vinyl Ether		11844384	505.83	ug/kg	
35	12.403	75.00	trans-1,3-Dichloropropene		26035890	49.61	ug/kg	
36	12.008	43.00	4-Methyl-2-Pentanone		2.54E+08	489.26	ug/kg	
37	12.712	98.00	Toluene-d8 (SURR)		46452958	39.62	ug/kg	
38	12.812	91.00	Toluene (CCC)		70090207	48.74	ug/kg	
39	11.693	75.00	cis-1,3-Dichloropropene		26225191	46.23	ug/kg	
40	13.273	99.00	Ethyl Methacrylate		50324498	474.54	ug/kg	
41	12.554	97.00	1,1,2-Trichloroethane		17689913	47.22	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		11838723	40.00	ug/kg	ISTD
43	13.877	166.00	Tetrachloroethylene		28652067	39.75	ug/kg	
44	12.921	76.00	1,3-Dichloropropane		26432350	49.20	ug/kg	
45	13.365	43.00	2-Hexanone		2.19E+08	456.66	ug/kg	
46	13.209	129.00	Dibromochloromethane		24751809	47.45	ug/kg	
47	13.544	107.00	1,2-Dibromoethane		20142330	52.45	ug/kg	
48	14.942	112.00	Chlorobenzene (SPCC)		52617733	51.67	ug/kg	

49	14.849	131.00	1,1,1,2-Tetrachloroethane		23204939	48.39	ug/kg	
50	15.362	91.00	Ethylbenzene (CCC)		91685880	53.62	ug/kg	
51	15.716	106.00	m,p-Xylene		58672284	107.33	ug/kg	
52	16.321	91.00	o-Xylene		77072291	53.88	ug/kg	
53	16.216	104.00	Styrene		50876536	55.47	ug/kg	
54	15.655	173.00	Bromoform (SPCC)		27024535	45.47	ug/kg	
55	19.172	152.00	1,4-Dichlorobenzene-d4		24758387	40.00	ug/kg	ISTD
56	16.960	105.00	Isopropylbenzene		80074419	51.96	ug/kg	
57	16.934	95.00	4-Bromofluorobenzene (SURR)		22580061	39.25	ug/kg	
58	17.180	158.00	Bromobenzene		28314638	47.55	ug/kg	
59	16.309	83.00	1,1,2,2-Tetrachloroethane (SPCC)		27314558	51.11	ug/kg	
60	16.532	75.00	1,2,3-Trichloropropane		25220586	54.57	ug/kg	
61	17.700	91.00	n-Propylbenzene		1.76E+08	55.46	ug/kg	
62	17.745	126.00	2-Chlorotoluene		22015176	52.94	ug/kg	
63	16.711	75.00	1,4-Dichloro-2-Butene		89792757	503.98	ug/kg	
64	17.894	91.00	4-Chlorotoluene		71018855	55.45	ug/kg	
65	18.283	105.00	1,3,5-Trimethylbenzene		76444493	58.38	ug/kg	
66	18.670	119.00	tert-Butylbenzene		61325573	57.13	ug/kg	
67	18.937	120.00	1,2,4-Trimethylbenzene		32629317	59.52	ug/kg	
68	19.093	105.00	sec-Butylbenzene		87055291	59.62	ug/kg	
69	19.067	146.00	1,3-Dichlorobenzene		46385400	52.53	ug/kg	
70	19.221	146.00	1,4-Dichlorobenzene		47730332	52.49	ug/kg	
71	19.541	119.00	p-Isopropyltoluene		72166630	59.77	ug/kg	
72	19.839	146.00	1,2-Dichlorobenzene		45845820	54.29	ug/kg	
73	20.230	91.00	n-Butylbenzene		75476724	62.18	ug/kg	
74	20.587	157.00	1,2-Dibromo-3-Chloropropane		6832840	41.86	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82789DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 3:15 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82789 DFM COMPOSITE OF 1
Misc Info : 82789 DFM COMPOSITE OF 1 0802
Vial Number: 1



8260 SPIKE RECOVERIES

Percent Table

Analysis Date: 8/4/95
Control No.: 82803

	LFM Recovery	LFM DUP Recovery	ACCEPTANCE RANGE	RPD	RPD MAX
1 pentafluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
2 dichlorodifluoromethane	88.5%	71.2%	50.0% - 150.0%	21.7	40.0
3 chloromethane (SPCC)	84.6%	67.7%	10.0% - 273.0%	22.3	65.0
4 vinyl chloride (CCC)	91.9%	74.9%	10.0% - 251.0%	20.3	65.0
5 bromomethane	101.6%	70.8%	10.0% - 242.0%	35.8	65.0
6 chloroethane	77.5%	63.7%	44.0% - 136.0%	19.5	40.0
7 trichlorofluoromethane	90.2%	85.7%	17.0% - 181.0%	5.1	65.0
8 acrolein	80.7%	90.0%	22.0% - 164.0%	10.9	65.0
9 1,1-dichloroethylene (CCC)	89.5%	90.5%	36.0% - 161.0%	1.1	50.0
10 carbon disulfide	91.4%	94.3%	35.0% - 244.0%	3.1	65.0
11 iodomethane	108.0% *	99.1%	77.0% - 105.0%	8.6	40.0
12 acetone	102.3% *	109.0% *	29.0% - 92.0%	6.4	40.0
13 dichloromethane	97.4%	95.1%	10.0% - 221.0%	2.4	65.0
14 trans-1,2-dichloroethylene	91.7%	95.2%	54.0% - 156.0%	3.8	40.0
15 acrylonitrile	100.9%	103.1%	61.0% - 145.0%	2.2	40.0
16 1,1-dichloroethane (SPCC)	95.2%	94.6%	59.0% - 155.0%	0.6	40.0
17 vinyl acetate	112.4%	101.2%	50.0% - 150.0%	10.5	40.0
18 2,2-dichloropropane	103.8%	98.2%	10.0% - 210.0%	5.5	40.0
19 cis-1,2-dichloroethylene	91.2%	94.4%	54.0% - 156.0%	3.4	40.0
20 methyl ethyl ketone	98.0%	104.3%	10.0% - 111.0%	6.3	40.0
21 bromochloromethane	104.2%	96.9%	50.0% - 150.0%	7.3	40.0
22 chloroform (CCC)	97.9%	93.4%	51.0% - 138.0%	4.6	40.0
23 1,1,1-trichloroethane	97.0%	95.9%	52.0% - 162.0%	1.1	40.0
24 dibromofluoromethane (SURR)	NA	NA	NA - NA	NA	NA
25 1,4-difluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
26 1,1-dichloropropene	93.1%	99.7%	50.0% - 150.0%	6.8	40.0
27 carbon tetrachloride	104.7%	100.1%	70.0% - 140.0%	4.5	40.0
28 benzene	95.8%	105.3%	48.0% - 150.0%	9.4	27.0
29 1,2-dichloroethane	99.0%	107.4%	49.0% - 155.0%	8.2	40.0
30 trichloroethylene	97.2%	99.7%	43.0% - 140.0%	2.5	27.0
31 1,2-dichloropropane (CCC)	92.4%	93.3%	10.0% - 210.0%	1.0	65.0
32 dibromomethane	83.4%	83.4%	50.0% - 150.0%	0.0	40.0
33 dichlorobromomethane	98.2%	99.1%	35.0% - 155.0%	0.9	40.0
34 2-chloroethyl vinyl ether	111.0%	116.5%	10.0% - 184.0%	4.9	65.0
35 trans-1,3-dichloropropene	108.0%	106.7%	17.0% - 183.0%	1.2	65.0
36 4-methyl-2-pentanone	89.4%	98.0%	64.0% - 125.0%	9.2	49.0
37 toluene-d8 (SURR)	NA	NA	NA - NA	NA	NA
38 toluene (CCC)	101.6%	106.1%	51.0% - 141.0%	4.4	27.0
39 cis-1,3-dichloropropene	105.5%	103.3%	10.0% - 227.0%	2.1	65.0
40 ethyl methacrylate	94.9% *	99.6% *	47.0% - 87.0%	4.8	40.0
41 1,1,2-trichloroethane	98.0%	101.0%	52.0% - 150.0%	3.0	40.0
42 chlorobenzene-d5 (ISTD)	NA	NA	NA - NA	NA	NA
43 tetrachloroethene	81.9%	79.3%	64.0% - 148.0%	3.3	40.0
44 1,3-dichloropropane	99.4%	96.1%	10.0% - 210.0%	3.3	40.0
45 2-hexanone	100.2% *	104.3% *	22.0% - 86.0%	4.0	40.0
46 dibromochloromethane	104.6%	99.5%	53.0% - 140.0%	5.0	65.0
47 1,2-dibromoethane	107.3%	101.4%	86.0% - 153.0%	5.7	40.0
48 chlorobenzene (SPCC)	99.6%	99.3%	54.0% - 138.0%	0.3	33.0

N/A Not Applicable
N/S Not Specified in Method 8260

	Spike Recovery	Duplicate Recovery	Range for Recovery		
49 1,1,1,2-tetrachloroethane	102.7%	99.3%	46.0% - 157.0%	3.3	40.0
50 ethylbenzene (CCC)	100.7%	101.1%	37.0% - 162.0%	0.4	40.0
51 m,p-xylene	104.7%	104.7%	50.0% - 150.0%	0.0	40.0
52 o-xylene	95.2%	101.5%	50.0% - 150.0%	6.5	40.0
53 styrene	99.7%	108.4%	89.0% - 101.0%	8.4	40.0
54 bromoform (SPCC)	95.4%	92.4%	45.0% - 169.0%	3.2	40.0
55 1,4-dichlorobenzene-d4 (ISTD)	NA	NA	NA - NA	NA	NA
56 isopropylbenzene	102.5%	99.4%	50.0% - 150.0%	3.1	40.0
57 4-bromofluorobenzene(SURR)	NA	NA	NA - NA	NA	NA
58 bromobenzene	101.6%	99.3%	50.0% - 150.0%	2.3	40.0
59 1,1,2,2-tetrachloroethane(SPCC)	104.7%	99.0%	46.0% - 157.0%	5.7	40.0
60 1,2,3-trichloropropane	101.4%	99.7%	43.0% - 105.0%	1.7	40.0
61 n-propylbenzene	107.2%	105.8%	50.0% - 150.0%	1.3	40.0
62 2-chlorotoluene	108.4%	104.4%	50.0% - 150.0%	3.7	40.0
63 1,4-dichloro-2-butene	120.6%	114.7%	50.0% - 150.0%	5.0	40.0
64 4-chlorotoluene	108.3%	106.4%	50.0% - 150.0%	1.8	40.0
65 1,3,5-trimethylbenzene	115.2%	111.7%	50.0% - 150.0%	3.1	40.0
66 tert-butylbenzene	106.3%	105.8%	50.0% - 150.0%	0.4	40.0
67 1,2,4-trimethylbenzene	108.2%	107.3%	50.0% - 150.0%	0.9	40.0
68 sec-butylbenzene	114.6%	114.3%	50.0% - 150.0%	0.2	40.0
69 1,3-dichlorobenzene	105.4%	103.5%	50.0% - 150.0%	1.8	40.0
70 1,4-dichlorobenzene	103.6%	102.2%	50.0% - 150.0%	1.4	40.0
71 p-isopropyltoluene	110.2%	113.4%	50.0% - 150.0%	2.8	40.0
72 1,2-dichlorobenzene	105.9%	108.7%	50.0% - 150.0%	2.6	40.0
73 n-butylbenzene	104.7%	111.1%	50.0% - 150.0%	6.0	40.0
74 1,2-dibromo-3-chlorotoluene	113.3%	92.1%	50.0% - 150.0%	20.7	40.0

N/A Not Applicable
N/S Not Specified in Method 8260

8260 SPIKE RECOVERY FORM

Amount Table

Analysis Date: 8/4/95
Control No.: 82803

Spike Amount: 250.0 ng
Sample Weight: 5.00 g

	Sample	Spike	Spike Duplicate
1 pentafluorobenzene (ISTD)	40.0	40.0	40.0
2 dichlorodifluoromethane	0.0	44.2	35.6
3 chloromethane (SPCC)	0.2	42.5	34.0
4 vinyl chloride (CCC)	0.0	45.9	37.5
5 bromomethane	0.0	50.8	35.4
6 chloroethane	0.7	39.4	32.5
7 trichlorofluoromethane	0.1	45.2	43.0
8 acrolein	0.0	403.5	449.9
9 1,1-dichloroethylene (CCC)	0.0	44.8	45.3
10 carbon disulfide	0.5	457.5	472.1
11 iodomethane	0.2	540.1	495.6
12 acetone	12.1	523.5	557.1
13 dichloromethane	0.0	48.7	47.5
14 trans-1,2-dichloroethylene	0.1	45.9	47.7
15 acrylonitrile	0.0	504.7	515.7
16 1,1-dichloroethane (SPCC)	0.0	47.6	47.3
17 vinyl acetate	0.0	562.1	505.9
18 2,2-dichloropropane	0.0	51.9	49.1
19 cis-1,2-dichloroethylene	0.0	45.6	47.2
20 methyl ethyl ketone	0.0	490.0	521.7
21 bromochloromethane	0.0	52.1	48.5
22 chloroform (CCC)	0.2	49.1	46.9
23 1,1,1-trichloroethane	0.0	48.6	48.0
24 dibromofluoromethane (SURR)	37.4	42.0	39.6
25 1,4-difluorobenzene (ISTD)	40.0	0.0	0.0
26 1,1-dichloropropene	0.0	46.6	49.9
27 carbon tetrachloride	0.0	52.3	50.0
28 benzene	0.0	47.9	52.7
29 1,2-dichloroethane	0.0	49.5	53.7
30 trichloroethylene	0.0	48.6	49.8
31 1,2-dichloropropane (CCC)	0.0	46.2	46.7
32 dibromomethane	0.0	41.7	41.7
33 dichlorobromomethane	0.0	49.1	49.5
34 2-chloroethyl vinyl ether	6.4	561.3	589.0
35 trans-1,3-dichloropropene	0.0	54.0	53.4
36 4-methyl-2-pentanone	0.1	447.0	490.3
37 toluene-d8 (SURR)	41.5	42.3	43.4
38 toluene (CCC)	0.2	50.9	53.2
39 cis-1,3-dichloropropene	0.0	52.8	51.6
40 ethyl methacrylate	0.0	474.7	498.2
41 1,1,2-trichloroethane	0.0	49.0	50.5
42 chlorobenzene-d5 (ISTD)	40.0	40.0	40.0
43 tetrachloroethene	0.0	41.0	39.7
44 1,3-dichloropropane	0.0	49.7	48.1
45 2-hexanone	0.0	500.8	521.4
46 dibromochloromethane	0.0	52.3	49.7
47 1,2-dibromoethane	0.0	53.6	50.7
48 chlorobenzene (SPCC)	0.0	49.8	49.6

	Sample	Spike	Spike Duplicate
49 1,1,1,2-tetrachloroethane	0.0	51.3	49.7
50 ethylbenzene (CCC)	0.0	50.4	50.6
51 m,p-xylene	0.0	104.7	104.7
52 o-xylene	0.0	47.6	50.8
53 styrene	0.0	49.9	54.2
54 bromoform (SPCC)	0.0	47.7	46.2
55 1,4-dichlorobenzene-d4 (ISTD)	40.0	40.0	40.0
56 isopropylbenzene	0.0	51.3	49.7
57 4-bromofluorobenzene(SURR)	34.4	43.0	40.7
58 bromobenzene	0.0	50.8	49.6
59 1,1,2,2-tetrachloroethane(SPCC)	0.0	52.4	49.5
60 1,2,3-trichloropropane	0.0	50.7	49.9
61 n-propylbenzene	0.0	53.6	52.9
62 2-chlorotoluene	0.0	54.2	52.2
63 1,4-dichloro-2-butene	0.0	603.1	573.7
64 4-chlorotoluene	0.0	54.2	53.2
65 1,3,5-trimethylbenzene	0.0	57.6	55.9
66 tert-butylbenzene	0.0	53.1	52.9
67 1,2,4-trimethylbenzene	0.0	54.1	53.6
68 sec-butylbenzene	0.0	57.3	57.2
69 1,3-dichlorobenzene	0.0	52.7	51.8
70 1,4-dichlorobenzene	0.1	51.9	51.2
71 p-isopropyltoluene	0.0	55.1	56.7
72 1,2-dichlorobenzene	0.0	53.0	54.4
73 n-butylbenzene	0.0	52.4	55.6
74 1,2-dibromo-3-chlorotoluene	0.0	56.7	46.1

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0024S (SPIKE)
Control No.: 82803LFM
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 12:05
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	793	76
Acrolein	611	76
Acrylonitrile	765	76
Benzene	73	8
Bromodichloromethane	74	8
Bromoform	72	8
Bromomethane	77	8
2-Butanone (MEK)	742	76
Carbon disulfide	693	8
Carbon tetrachloride	79	8
Chlorobenzene	75	8
Chloroethane	60	8
2-Chloroethylvinyl ether	850	30
Chloroform	74	8
Chloromethane	64	8
Dibromochloromethane	79	8
1,2-Dibromoethane (EDB)	81	8
Dibromomethane	63	8
trans-1,4-Dichloro-2-butene	914	38
Dichlorodifluoromethane	67	8
1,1-Dichloroethane	72	8
1,2-Dichloroethane	75	8
trans-1,2-Dichloroethene	70	8
1,1-Dichloroethene	68	8
1,2-Dichloropropane	70	8
cis-1,3-Dichloropropene	80	8
trans-1,3-Dichloropropene	82	8
Ethylbenzene	76	8
Ethyl methacrylate	719	23
2-Hexanone	759	76
Iodomethane	818	8
Methylene chloride (Dichloromethane)	74	8
4-Methyl-2-pentanone (MIBK)	677	76

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:05 pm using AcqMethod 8260LLS
Sample Name: 82803 LFM COMPOSITE OF 1
Misc Info : 82803 LFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	44.2 ug/kg	
3	Chloromethane (SPCC)	1.43	42.5 ug/kg	
4	Vinyl Chloride (CCC)	1.77	45.9 ug/kg	
5	Bromomethane	2.49	50.8 ug/kg	
6	Chloroethane	2.87	39.4 ug/kg	
7	Trichlorofluoromethane	3.98	45.2 ug/kg	
8	Acrolein	4.18	403.5 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	44.8 ug/kg	
10	Carbon Disulfide	5.18	457.5 ug/kg	
11	Iodomethane	4.82	540.1 ug/kg	
12	Acetone	4.54	523.5 ug/kg	
13	Dichloromethane	5.35	48.7 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	45.9 ug/kg	
15	Acrylonitrile	5.35	504.6 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	47.6 ug/kg	
17	Vinyl Acetate	7.33	562.1 ug/kg	
18	2,2-Dichloropropane	8.05	51.9 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	45.6 ug/kg	
20	Methyl Ethyl Ketone	7.66	490.0 ug/kg	
21	Bromochloromethane	7.88	52.1 ug/kg	
22	Chloroform (CCC)	8.03	49.1 ug/kg	
23	1,1,1-Trichloroethane	9.00	48.6 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	42.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	46.6 ug/kg	

000587

Styrene	75	8
1,1,2,2-Tetrachloroethane	79	8
Tetrachloroethene	62	8
Toluene	77	8
1,1,1-Trichloroethane	74	8
1,1,2-Trichloroethane	74	8
Trichloroethene	74	8
Trichlorofluoromethane	68	8
1,2,3-Trichloropropane	77	8
Vinyl acetate	852	45
Vinyl chloride	70	8
Xylenes	159	8

Surrogate Recoveries		Range
Dibromofluoromethane	105.0 %	80 - 120
Toluene-d8	105.8 %	81 - 117
4-Bromofluorobenzene	107.3 %	74 - 121

Percent Solids	66.0 %

Approved by:

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:05 pm using AcqMethod 8260LLS
Sample Name: 82803 LFM COMPOSITE OF 1
Misc Info : 82803 LFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	52.3 ug/kg	
28	Benzene	9.60	47.9 ug/kg	
29	1,2-Dichloroethane	8.92	49.5 ug/kg	
30	Trichloroethylene	10.59	48.6 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.50	46.2 ug/kg	
32	Dibromomethane	10.42	41.7 ug/kg	#
33	Dichlorobromomethane	10.66	49.1 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	561.3 ug/kg	
35	trans-1,3-Dichloropropene	12.41	54.0 ug/kg	
36	4-Methyl-2-Pentanone	12.01	447.0 ug/kg	
37	Toluene-d8 (SURR)	12.73	42.3 ug/kg	
38	Toluene (CCC)	12.82	50.9 ug/kg	
39	cis-1,3-Dichloropropene	11.70	52.8 ug/kg	
40	Ethyl Methacrylate	13.29	474.7 ug/kg	
41	1,1,2-Trichloroethane	12.56	49.0 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	41.0 ug/kg	
44	1,3-Dichloropropane	12.93	49.7 ug/kg	
45	2-Hexanone	13.37	500.8 ug/kg	
46	Dibromochloromethane	13.21	52.3 ug/kg	
47	1,2-Dibromoethane	13.56	53.6 ug/kg	
48	Chlorobenzene (SPCC)	14.95	49.8 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	51.3 ug/kg	
50	Ethylbenzene (CCC)	15.37	50.4 ug/kg	
51	m,p-Xylene	15.73	104.7 ug/kg	
52	o-Xylene	16.33	47.6 ug/kg	
53	Styrene	16.23	49.8 ug/kg	
54	Bromoform (SPCC)	15.66	47.7 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	51.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	42.9 ug/kg	
58	Bromobenzene	17.19	50.8 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	52.4 ug/kg	
60	1,2,3-Trichloropropane	16.54	50.7 ug/kg	
61	n-Propylbenzene	17.71	53.6 ug/kg	
62	2-Chlorotoluene	17.76	54.2 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	603.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:05 pm using AcqMethod 8260LLS
Sample Name: 82803 LFM COMPOSITE OF 1
Misc Info : 82803 LFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	54.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	57.6 ug/kg	
66	tert-Butylbenzene	18.68	53.1 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	54.1 ug/kg	
68	sec-Butylbenzene	19.11	57.3 ug/kg	
69	1,3-Dichlorobenzene	19.08	52.7 ug/kg	
70	1,4-Dichlorobenzene	19.24	51.9 ug/kg	
71	p-Isopropyltoluene	19.55	55.1 ug/kg	
72	1,2-Dichlorobenzene	19.85	53.0 ug/kg	
73	n-Butylbenzene	20.24	52.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	56.7 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

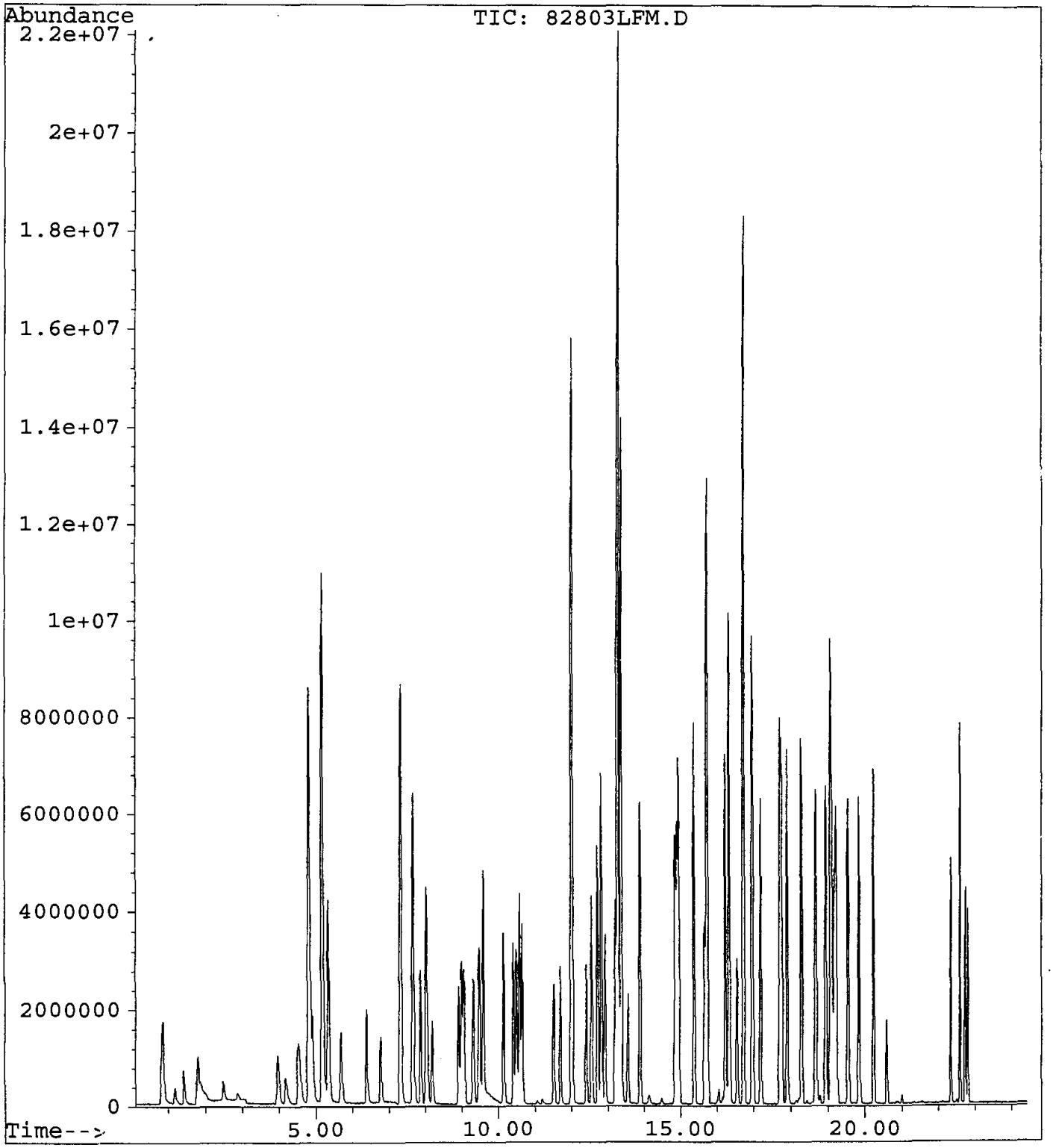
File Name	82803LFM.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 12:05
Method	8260LLS
Misc Info	82803 LFM COMPOSITE OF 1 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.068	168.00	Pentafluorobenzene	30879464	40.00	ug/kg	*ISTD
2	1.183	85.00	Dichlorodifluoromethane	5703649	44.24	ug/kg	
3	1.425	50.00	Chloromethane (SPCC)	11689038	42.51	ug/kg	
4	1.774	62.00	Vinyl Chloride (CCC)	8782784	45.94	ug/kg	
5	2.491	94.00	Bromomethane	4686193	50.81	ug/kg	
6	2.875	64.00	Chloroethane	1711519	39.40	ug/kg	
7	3.981	101.00	Trichlorofluoromethane	18655670	45.20	ug/kg	
8	4.183	56.00	Acrolein	10723463	403.48	ug/kg	
9	4.924	61.00	1,1-Dichloroethylene (CCC)	19486159	44.75	ug/kg	
10	5.183	78.00	Carbon Disulfide	27792087	457.46	ug/kg	
11	4.817	127.00	Iodomethane	1.26E+08	540.05	ug/kg	
12	4.536	43.00	Acetone	61639101	523.46	ug/kg	
13	5.345	49.00	Dichloromethane	21687124	48.69	ug/kg	
14	6.394	61.00	trans-1,2-Dichloroethylene	17361442	45.89	ug/kg	
15	5.345	53.00	Acrylonitrile	40104407	504.65	ug/kg	
16	6.782	63.00	1,1-Dichloroethane (SPCC)	21989939	47.58	ug/kg	
17	7.332	86.00	Vinyl Acetate	7915939	562.08	ug/kg	
18	8.052	77.00	2,2-Dichloropropane	25156198	51.88	ug/kg	
19	7.682	61.00	cis-1,2-Dichloroethylene	24539826	45.61	ug/kg	
20	7.661	72.00	Methyl Ethyl Ketone	14102605	489.98	ug/kg	

21	7.881	130.00	Bromochloromethane		10732787	52.10	ug/kg	
22	8.026	83.00	Chloroform (CCC)		32929305	49.09	ug/kg	
23	9.000	97.00	1,1,1-Trichloroethane		31613046	48.55	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		15297912	41.99	ug/kg	
25	10.153	114.00	1,4-Difluorobenzene		39983269	40.00	ug/kg	ISTD
26	9.318	75.00	1,1-Dichloropropene		23870037	46.57	ug/kg	
27	9.491	117.00	Carbon Tetrachloride		31303210	52.33	ug/kg	
28	9.598	78.00	Benzene		58964977	47.93	ug/kg	
29	8.916	62.00	1,2-Dichloroethane		31605778	49.50	ug/kg	
30	10.586	130.00	Trichloroethylene		19840286	48.61	ug/kg	
31	10.503	63.00	1,2-Dichloropropane (CCC)		19043941	46.22	ug/kg	
32	10.420	174.00	Dibromomethane		18248463	41.71	ug/kg	
33	10.657	83.00	Dichlorobromomethane		32485066	49.09	ug/kg	
34	11.523	63.00	2-Chloroethyl Vinyl Ether		14559383	561.27	ug/kg	
35	12.413	75.00	trans-1,3-Dichloropropene		29646277	53.99	ug/kg	
36	12.014	43.00	4-Methyl-2-Pentanone		2.44E+08	447.01	ug/kg	
37	12.726	98.00	Toluene-d8 (SURR)		50849968	42.28	ug/kg	
38	12.824	91.00	Toluene (CCC)		74788451	50.94	ug/kg	
39	11.704	75.00	cis-1,3-Dichloropropene		31361576	52.76	ug/kg	
40	13.285	99.00	Ethyl Methacrylate		51639756	474.68	ug/kg	
41	12.560	97.00	1,1,2-Trichloroethane		18801517	49.01	ug/kg	
42	14.902	54.00	Chlorobenzene-d5		12774498	40.00	ug/kg	ISTD
43	13.891	166.00	Tetrachloroethylene		31811301	40.96	ug/kg	
44	12.932	76.00	1,3-Dichloropropane		28806245	49.68	ug/kg	
45	13.371	43.00	2-Hexanone		1.93E+08	500.76	ug/kg	
46	13.213	129.00	Dibromochloromethane		29514803	52.31	ug/kg	
47	13.555	107.00	1,2-Dibromoethane		22278761	53.64	ug/kg	
48	14.953	112.00	Chlorobenzene (SPCC)		54681895	49.79	ug/kg	

49	14.857	131.00	1,1,1,2-Tetrachloroethane		26532884	51.34	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		92724243	50.37	ug/kg	
51	15.728	106:00	m,p-Xylene		61762225	104.69	ug/kg	
52	16.334	91.00	o-Xylene		73472083	47.59	ug/kg	
53	16.227	104.00	Styrene		49008683	49.85	ug/kg	
54	15.665	173.00	Bromoform (SPCC)		30750576	47.69	ug/kg	
55	19.186	152.00	1,4-Dichlorobenzene-d4		23978180	40.00	ug/kg	ISTD
56	16.971	105.00	Isopropylbenzene		76663210	51.27	ug/kg	
57	16.946	95.00	4-Bromofluorobenzene (SURR)		23926095	42.95	ug/kg	
58	17.191	158.00	Bromobenzene		29130339	50.81	ug/kg	
59	16.320	83.00	1,1,2,2-Tetrachloroethane (SPCC)		27006999	52.37	ug/kg	
60	16.542	75.00	1,2,3-Trichloropropane		22886031	50.71	ug/kg	
61	17.712	91.00	n-Propylbenzene		1.65E+08	53.64	ug/kg	
62	17.756	126.00	2-Chlorotoluene		21761097	54.19	ug/kg	
63	16.722	75.00	1,4-Dichloro-2-Butene		81243226	603.13	ug/kg	
64	17.906	91.00	4-Chlorotoluene		67279244	54.19	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		73090557	57.62	ug/kg	
66	18.684	119.00	tert-Butylbenzene		55167619	53.13	ug/kg	
67	18.953	120.00	1,2,4-Trimethylbenzene		28713931	54.12	ug/kg	
68	19.107	105.00	sec-Butylbenzene		80827685	57.29	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		45062840	52.70	ug/kg	
70	19.235	146.00	1,4-Dichlorobenzene		45676127	51.87	ug/kg	
71	19.555	119.00	p-Isopropyltoluene		64010962	55.13	ug/kg	
72	19.851	146.00	1,2-Dichlorobenzene		43284006	52.95	ug/kg	
73	20.242	91.00	n-Butylbenzene		59954936	52.36	ug/kg	
74	20.600	157.00	1,2-Dibromo-3-Chloropropane		8542612	56.68	ug/kg	

File : C:\HPCHEM\1\DATA\0804\82803LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:05 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82803 LFM COMPOSITE OF 1
Misc Info : 82803 LFM COMPOSITE OF 1 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0024S (SPIKE)
Control No.: 82803DFM
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 12:45
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	844	76
Acrolein	682	76
Acrylonitrile	781	76
Benzene	80	8
Bromodichloromethane	75	8
Bromoform	70	8
Bromomethane	54	8
2-Butanone (MEK)	790	76
Carbon disulfide	715	8
Carbon tetrachloride	76	8
Chlorobenzene	75	8
Chloroethane	49	8
2-Chloroethylvinyl ether	892	30
Chloroform	71	8
Chloromethane	52	8
Dibromochloromethane	75	8
1,2-Dibromoethane (EDB)	77	8
Dibromomethane	63	8
trans-1,4-Dichloro-2-butene	869	38
Dichlorodifluoromethane	54	8
1,1-Dichloroethane	72	8
1,2-Dichloroethane	81	8
trans-1,2-Dichloroethene	72	8
1,1-Dichloroethene	68	8
1,2-Dichloropropane	71	8
cis-1,3-Dichloropropene	78	8
trans-1,3-Dichloropropene	81	8
Ethylbenzene	77	8
Ethyl methacrylate	755	23
2-Hexanone	790	76
Iodomethane	751	8
Methylene chloride (Dichloromethane)	72	8
4-Methyl-2-pentanone (MIBK)	743	76

Styrene	82	8
1,1,2,2-Tetrachloroethane	75	8
Tetrachloroethene	60	8
Toluene	81	8
1,1,1-Trichloroethane	73	8
1,1,2-Trichloroethane	77	8
Trichloroethene	75	8
Trichlorofluoromethane	65	8
1,2,3-Trichloropropane	76	8
Vinyl acetate	767	45
Vinyl chloride	57	8
Xylenes	158	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.0 %	80 - 120
Toluene-d8	108.5 %	81 - 117
4-Bromofluorobenzene	101.8 %	74 - 121

Percent Solids	66.0 %

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:45 pm using AcqMethod 8260LLS
Sample Name: 82803 DFM COMPOSITE OF 1
Misc Info : 82803 DFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	35.6 ug/kg	
3	Chloromethane (SPCC)	1.42	34.0 ug/kg	
4	Vinyl Chloride (CCC)	1.77	37.5 ug/kg	
5	Bromomethane	2.48	35.4 ug/kg	
6	Chloroethane	2.87	32.5 ug/kg	
7	Trichlorofluoromethane	3.98	43.0 ug/kg	
8	Acrolein	4.17	449.9 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	45.2 ug/kg	
10	Carbon Disulfide	5.18	472.1 ug/kg	
11	Iodomethane	4.82	495.6 ug/kg	
12	Acetone	4.51	557.1 ug/kg	
13	Dichloromethane	5.35	47.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.40	47.6 ug/kg	
15	Acrylonitrile	5.34	515.7 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	47.3 ug/kg	
17	Vinyl Acetate	7.33	505.9 ug/kg	
18	2,2-Dichloropropane	8.05	49.1 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	47.2 ug/kg	
20	Methyl Ethyl Ketone	7.66	521.7 ug/kg	
21	Bromochloromethane	7.88	48.4 ug/kg	
22	Chloroform (CCC)	8.03	46.9 ug/kg	
23	1,1,1-Trichloroethane	9.00	48.0 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	39.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	49.8 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:45 pm using AcqMethod 8260LLS
Sample Name: 82803 DFM COMPOSITE OF 1
Misc Info : 82803 DFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	50.0 ug/kg	
28	Benzene	9.60	52.7 ug/kg	
29	1,2-Dichloroethane	8.92	53.7 ug/kg	
30	Trichloroethylene	10.59	49.8 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.50	46.7 ug/kg	
32	Dibromomethane	10.42	41.7 ug/kg	#
33	Dichlorobromomethane	10.66	49.5 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	589.0 ug/kg	
35	trans-1,3-Dichloropropene	12.42	53.4 ug/kg	
36	4-Methyl-2-Pentanone	12.02	490.3 ug/kg	
37	Toluene-d8 (SURR)	12.72	43.4 ug/kg	
38	Toluene (CCC)	12.83	53.2 ug/kg	
39	cis-1,3-Dichloropropene	11.71	51.6 ug/kg	
40	Ethyl Methacrylate	13.29	498.1 ug/kg	
41	1,1,2-Trichloroethane	12.56	50.5 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	39.7 ug/kg	
44	1,3-Dichloropropane	12.93	48.1 ug/kg	
45	2-Hexanone	13.37	521.4 ug/kg	
46	Dibromochloromethane	13.22	49.7 ug/kg	
47	1,2-Dibromoethane	13.56	50.7 ug/kg	
48	Chlorobenzene (SPCC)	14.95	49.6 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	49.7 ug/kg	
50	Ethylbenzene (CCC)	15.37	50.6 ug/kg	
51	m,p-Xylene	15.73	104.6 ug/kg	
52	o-Xylene	16.33	50.8 ug/kg	
53	Styrene	16.23	54.2 ug/kg	
54	Bromoform (SPCC)	15.67	46.2 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	49.7 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	40.7 ug/kg	
58	Bromobenzene	17.19	49.6 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	49.5 ug/kg	
60	1,2,3-Trichloropropane	16.54	49.9 ug/kg	
61	n-Propylbenzene	17.71	52.9 ug/kg	
62	2-Chlorotoluene	17.76	52.2 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	573.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\82803DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:45 pm using AcqMethod 8260LLS
Sample Name: 82803 DFM COMPOSITE OF 1
Misc Info : 82803 DFM COMPOSITE OF 1 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	53.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	55.9 ug/kg	
66	tert-Butylbenzene	18.68	52.9 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	53.6 ug/kg	
68	sec-Butylbenzene	19.11	57.1 ug/kg	
69	1,3-Dichlorobenzene	19.08	51.8 ug/kg	
70	1,4-Dichlorobenzene	19.24	51.2 ug/kg	
71	p-Isopropyltoluene	19.55	56.7 ug/kg	
72	1,2-Dichlorobenzene	19.85	54.4 ug/kg	
73	n-Butylbenzene	20.24	55.6 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	46.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

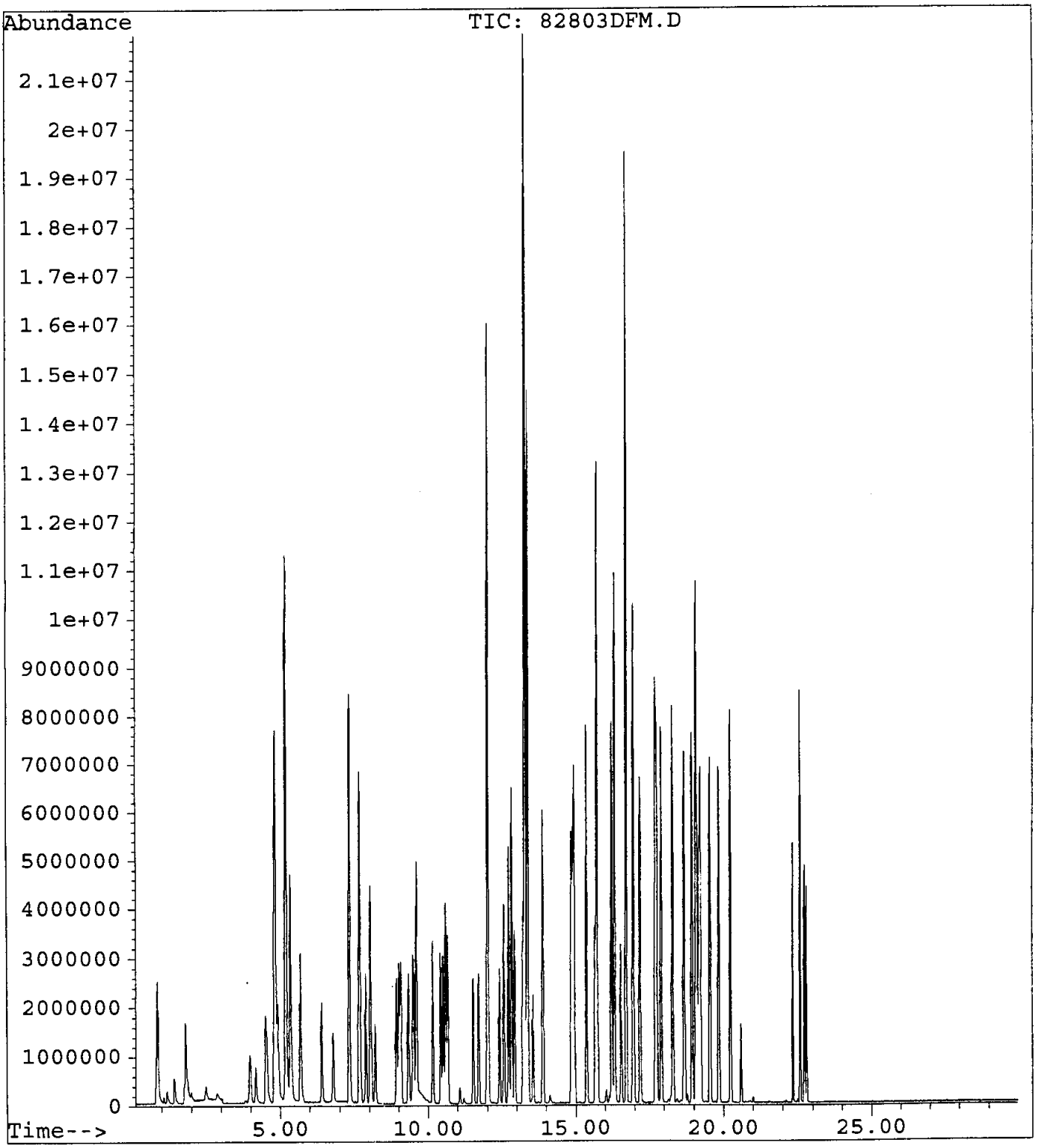
File Name	82803DFM.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 12:45
Method	8260LLS
Misc Info	82803 DFM COMPOSITE OF 1 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.070	168.00	Pentafluorobenzene	31439424	40.00	ug/kg	*ISTD
2	1.183	85.00	Dichlorodifluoromethane	4728451	35.59	ug/kg	
3	1.425	50.00	Chloromethane (SPCC)	9782590	34.04	ug/kg	
4	1.774	62.00	Vinyl Chloride (CCC)	7421082	37.46	ug/kg	
5	2.484	94.00	Bromomethane	3320461	35.39	ug/kg	
6	2.875	64.00	Chloroethane	1462240	32.51	ug/kg	
7	3.981	101.00	Trichlorofluoromethane	18072069	42.95	ug/kg	
8	4.171	56.00	Acrolein	12276620	449.92	ug/kg	
9	4.922	61.00	1,1-Dichloroethylene (CCC)	20061139	45.25	ug/kg	
10	5.183	78.00	Carbon Disulfide	29149700	472.05	ug/kg	
11	4.818	127.00	Iodomethane	1.15E+08	495.55	ug/kg	
12	4.510	43.00	Acetone	67351107	557.11	ug/kg	
13	5.346	49.00	Dichloromethane	21566555	47.53	ug/kg	
14	6.395	61.00	trans-1,2-Dichloroethylene	18386295	47.65	ug/kg	
15	5.342	53.00	Acrylonitrile	41843765	515.71	ug/kg	
16	6.782	63.00	1,1-Dichloroethane (SPCC)	22261512	47.31	ug/kg	
17	7.330	86.00	Vinyl Acetate	6971318	505.86	ug/kg	
18	8.052	77.00	2,2-Dichloropropane	24081248	49.11	ug/kg	
19	7.683	61.00	cis-1,2-Dichloroethylene	25826912	47.18	ug/kg	
20	7.662	72.00	Methyl Ethyl Ketone	15380069	521.67	ug/kg	

21	7.884	130.00	Bromochloromethane		10121509	48.45	ug/kg	
22	8.029	83.00	Chloroform (CCC)		32113533	46.87	ug/kg	
23	9.002	97.00	1,1,1-Trichloroethane		31823956	48.00	ug/kg	
24	8.204	113.00	Dibromofluoromethane (SURR)		14699478	39.63	ug/kg	
25	10.155	114.00	1,4-Difluorobenzene		37644975	40.00	ug/kg	ISTD
26	9.321	75.00	1,1-Dichloropropene		24100210	49.85	ug/kg	
27	9.489	117.00	Carbon Tetrachloride		28057624	50.04	ug/kg	
28	9.598	78.00	Benzene		60969550	52.67	ug/kg	
29	8.918	62.00	1,2-Dichloroethane		32560826	53.71	ug/kg	
30	10.588	130.00	Trichloroethylene		19152172	49.84	ug/kg	
31	10.502	63.00	1,2-Dichloropropane (CCC)		18103051	46.67	ug/kg	
32	10.421	174.00	Dibromomethane		17171491	41.69	ug/kg	
33	10.659	83.00	Dichlorobromomethane		30868880	49.53	ug/kg	
34	11.523	63.00	2-Chloroethyl Vinyl Ether		14918292	589.02	ug/kg	
35	12.416	75.00	trans-1,3-Dichloropropene		27503919	53.35	ug/kg	
36	12.017	43.00	4-Methyl-2-Pentanone		2.46E+08	490.32	ug/kg	
37	12.725	98.00	Toluene-d8 (SURR)		49090297	43.35	ug/kg	
38	12.825	91.00	Toluene (CCC)		73213334	53.22	ug/kg	
39	11.705	75.00	cis-1,3-Dichloropropene		28791786	51.64	ug/kg	
40	13.286	99.00	Ethyl Methacrylate		50678030	498.15	ug/kg	
41	12.562	97.00	1,1,2-Trichloroethane		18211129	50.50	ug/kg	
42	14.904	54.00	Chlorobenzene-d5		12807485	40.00	ug/kg	ISTD
43	13.892	166.00	Tetrachloroethylene		30921743	39.65	ug/kg	
44	12.933	76.00	1,3-Dichloropropane		27924663	48.06	ug/kg	
45	13.374	43.00	2-Hexanone		2.01E+08	521.40	ug/kg	
46	13.218	129.00	Dibromochloromethane		28101814	49.74	ug/kg	
47	13.555	107.00	1,2-Dibromoethane		20978216	50.68	ug/kg	
48	14.954	112.00	Chlorobenzene (SPCC)		54650330	49.64	ug/kg	

49	14.859	131.00	1,1,1,2-Tetrachloroethane		25745004	49.65	ug/kg	
50	15.374	91.00	Ethylbenzene (CCC)		93326849	50.56	ug/kg	
51	15.728	106:00	m,p-Xylene		61894431	104.65	ug/kg	
52	16.332	91.00	o-Xylene		78573195	50.77	ug/kg	
53	16.228	104.00	Styrene		53721785	54.22	ug/kg	
54	15.666	173.00	Bromoform (SPCC)		29754080	46.20	ug/kg	
55	19.186	152.00	1,4-Dichlorobenzene-d4		26713969	40.00	ug/kg	ISTD
56	16.972	105.00	Isopropylbenzene		83152421	49.72	ug/kg	
57	16.945	95.00	4-Bromofluorobenzene (SURR)		25259413	40.70	ug/kg	
58	17.191	158.00	Bromobenzene		31774630	49.64	ug/kg	
59	16.321	83.00	1,1,2,2-Tetrachloroethane (SPCC)		28669188	49.48	ug/kg	
60	16.544	75.00	1,2,3-Trichloropropane		25117934	49.86	ug/kg	
61	17.712	91.00	n-Propylbenzene		1.82E+08	52.93	ug/kg	
62	17.757	126.00	2-Chlorotoluene		23461605	52.20	ug/kg	
63	16.721	75.00	1,4-Dichloro-2-Butene		85173426	573.65	ug/kg	
64	17.906	91.00	4-Chlorotoluene		73710468	53.24	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		79031923	55.88	ug/kg	
66	18.684	119.00	tert-Butylbenzene		61208652	52.91	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene		31706988	53.64	ug/kg	
68	19.107	105.00	sec-Butylbenzene		89806565	57.15	ug/kg	
69	19.082	146.00	1,3-Dichlorobenzene		49347784	51.77	ug/kg	
70	19.235	146.00	1,4-Dichlorobenzene		50207732	51.17	ug/kg	
71	19.555	119.00	p-Isopropyltoluene		73543674	56.72	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene		49548062	54.37	ug/kg	
73	20.242	91.00	n-Butylbenzene		71507900	55.57	ug/kg	
74	20.600	157.00	1,2-Dibromo-3-Chloropropane		8003438	46.05	ug/kg	

File : C:\HPCHEM\1\DATA\0804\82803DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 12:45 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82803 DFM COMPOSITE OF 1
Misc Info : 82803 DFM COMPOSITE OF 1 0804
Vial Number: 1



8260 SPIKE RECOVERIES

Percent Table

Analysis Date: 8/21/95
Control No.: 50815901 (83586)

	LFM Recovery	LFM DUP Recovery	ACCEPTANCE RANGE	RPD	RPD MAX
1 pentafluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
2 dichlorodifluoromethane	93.5%	100.2%	50.0% - 150.0%	7.0	40.0
3 chloromethane (SPCC)	102.6%	107.5%	10.0% - 273.0%	4.6	65.0
4 vinyl chloride (CCC)	97.9%	100.5%	10.0% - 251.0%	2.6	65.0
5 bromomethane	114.4%	86.3%	10.0% - 242.0%	28.0	65.0
6 chloroethane	94.1%	84.5%	44.0% - 136.0%	10.8	40.0
7 trichlorofluoromethane	93.4%	98.4%	17.0% - 181.0%	5.1	65.0
8 acrolein	83.0%	89.7%	22.0% - 164.0%	7.8	65.0
9 1,1-dichloroethylene (CCC)	91.2%	100.9%	36.0% - 161.0%	10.1	50.0
10 carbon disulfide	94.4%	99.2%	35.0% - 244.0%	5.0	65.0
11 iodomethane	102.2%	102.5%	77.0% - 105.0%	0.3	40.0
12 acetone	81.5%	97.3% *	29.0% - 92.0%	17.7	40.0
13 dichloromethane	92.1%	98.7%	10.0% - 221.0%	6.9	65.0
14 trans-1,2-dichloroethylene	110.1%	110.0%	54.0% - 156.0%	0.1	40.0
15 acrylonitrile	87.9%	102.3%	61.0% - 145.0%	15.1	40.0
16 1,1-dichloroethane (SPCC)	107.8%	106.5%	59.0% - 155.0%	1.2	40.0
17 vinyl acetate	99.2%	88.5%	50.0% - 150.0%	11.4	40.0
18 2,2-dichloropropane	106.2%	95.9%	10.0% - 210.0%	10.3	40.0
19 cis-1,2-dichloroethylene	111.9%	105.9%	54.0% - 156.0%	5.5	40.0
20 methyl ethyl ketone	92.6%	99.3%	10.0% - 111.0%	7.0	40.0
21 bromochloromethane	108.7%	95.8%	50.0% - 150.0%	12.6	40.0
22 chloroform (CCC)	114.1%	105.6%	51.0% - 138.0%	7.7	40.0
23 1,1,1-trichloroethane	117.4%	114.4%	52.0% - 162.0%	2.6	40.0
24 dibromofluoromethane (SURR)	NA	NA	NA - NA	NA	NA
25 1,4-difluorobenzene (ISTD)	NA	NA	NA - NA	NA	NA
26 1,1-dichloropropene	106.4%	104.7%	50.0% - 150.0%	1.6	40.0
27 carbon tetrachloride	114.2%	91.3%	70.0% - 140.0%	22.3	40.0
28 benzene	104.6%	105.0%	48.0% - 150.0%	0.3	27.0
29 1,2-dichloroethane	113.1%	118.7%	49.0% - 155.0%	4.8	40.0
30 trichloroethylene	102.3%	99.1%	43.0% - 140.0%	3.2	27.0
31 1,2-dichloropropane (CCC)	105.9%	106.8%	10.0% - 210.0%	0.8	65.0
32 dibromomethane	88.6%	84.9%	50.0% - 150.0%	4.2	40.0
33 dichlorobromomethane	110.4%	106.1%	35.0% - 155.0%	4.0	40.0
34 2-chloroethyl vinyl ether	149.3%	154.5%	10.0% - 184.0%	3.4	65.0
35 trans-1,3-dichloropropene	108.2%	110.6%	17.0% - 183.0%	2.2	65.0
36 4-methyl-2-pentanone	70.2%	89.2%	64.0% - 125.0%	23.9	49.0
37 toluene-d8 (SURR)	NA	NA	NA - NA	NA	NA
38 toluene (CCC)	101.5%	114.1%	51.0% - 141.0%	11.8	27.0
39 cis-1,3-dichloropropene	104.4%	105.1%	10.0% - 227.0%	0.7	65.0
40 ethyl methacrylate	83.5%	96.0% *	47.0% - 87.0%	13.9	40.0
41 1,1,2-trichloroethane	98.6%	111.5%	52.0% - 150.0%	12.3	40.0
42 chlorobenzene-d5 (ISTD)	NA	NA	NA - NA	NA	NA
43 tetrachloroethene	79.2%	74.8%	64.0% - 148.0%	5.8	40.0
44 1,3-dichloropropane	94.2%	95.3%	10.0% - 210.0%	1.1	40.0
45 2-hexanone	81.8%	92.3% *	22.0% - 86.0%	12.1	40.0
46 dibromochloromethane	89.7%	86.5%	53.0% - 140.0%	3.6	65.0
47 1,2-dibromoethane	96.8%	98.1%	86.0% - 153.0%	1.3	40.0
48 chlorobenzene (SPCC)	93.1%	92.3%	54.0% - 138.0%	0.8	33.0

N/A Not Applicable
N/S Not Specified in Method 8260

	Spike Recovery	Duplicate Recovery	Range for Recovery		
49 1,1,1,2-tetrachloroethane	92.9%	90.5%	46.0% - 157.0%	2.6	40.0
50 ethylbenzene (CCC)	95.6%	95.3%	37.0% - 162.0%	0.4	40.0
51 m,p-xylene	94.8%	92.2%	50.0% - 150.0%	2.8	40.0
52 o-xylene	99.5%	100.0%	50.0% - 150.0%	0.5	40.0
53 styrene	96.3%	95.9%	89.0% - 101.0%	0.4	40.0
54 bromoform (SPCC)	94.4%	89.3%	45.0% - 169.0%	5.5	40.0
55 1,4-dichlorobenzene-d4 (ISTD)	NA	NA	NA - NA	NA	NA
56 isopropylbenzene	110.5%	109.0%	50.0% - 150.0%	1.4	40.0
57 4-bromofluorobenzene(SURR)	NA	NA	NA - NA	NA	NA
58 bromobenzene	103.0%	105.3%	50.0% - 150.0%	2.2	40.0
59 1,1,2,2-tetrachloroethane(SPCC)	91.5%	102.2%	46.0% - 157.0%	11.1	40.0
60 1,2,3-trichloropropane	94.2%	107.1%	43.0% - 105.0%	12.9	40.0
61 n-propylbenzene	94.8%	93.4%	50.0% - 150.0%	1.5	40.0
62 2-chlorotoluene	109.6%	109.0%	50.0% - 150.0%	0.5	40.0
63 1,4-dichloro-2-butene	92.3%	100.9%	50.0% - 150.0%	8.9	40.0
64 4-chlorotoluene	116.5%	118.3%	50.0% - 150.0%	1.6	40.0
65 1,3,5-trimethylbenzene	121.6%	121.7%	50.0% - 150.0%	0.0	40.0
66 tert-butylbenzene	119.9%	116.5%	50.0% - 150.0%	2.9	40.0
67 1,2,4-trimethylbenzene	118.9%	117.8%	50.0% - 150.0%	0.9	40.0
68 sec-butylbenzene	125.4%	119.4%	50.0% - 150.0%	4.9	40.0
69 1,3-dichlorobenzene	109.4%	108.5%	50.0% - 150.0%	0.9	40.0
70 1,4-dichlorobenzene	110.0%	104.7%	50.0% - 150.0%	5.0	40.0
71 p-isopropyltoluene	128.6%	123.9%	50.0% - 150.0%	3.7	40.0
72 1,2-dichlorobenzene	115.2%	114.6%	50.0% - 150.0%	0.5	40.0
73 n-butylbenzene	130.8%	125.9%	50.0% - 150.0%	3.8	40.0
74 1,2-dibromo-3-chlorotoluene	92.4%	98.9%	50.0% - 150.0%	6.8	40.0

N/A Not Applicable
N/S Not Specified in Method 8260

	Sample	Spike	Spike Duplicate
49 1,1,1,2-tetrachloroethane	0.0	46.4	45.3
50 ethylbenzene (CCC)	0.1	47.9	47.7
51 m,p-xylene	0.2	95.0	92.4
52 o-xylene	0.1	49.8	50.1
53 styrene	0.1	48.2	48.1
54 bromoform (SPCC)	0.1	47.3	44.8
55 1,4-dichlorobenzene-d4 (ISTD)	40.0	40.0	40.0
56 isopropylbenzene	0.1	55.4	54.6
57 4-bromofluorobenzene(SURR)	38.8	40.5	44.4
58 bromobenzene	0.1	51.6	52.8
59 1,1,2,2-tetrachloroethane(SPCC)	0.2	45.9	51.3
60 1,2,3-trichloropropane	0.3	47.4	53.9
61 n-propylbenzene	0.1	47.5	46.8
62 2-chlorotoluene	0.1	54.9	54.7
63 1,4-dichloro-2-butene	0.0	461.5	504.6
64 4-chlorotoluene	0.1	58.4	59.3
65 1,3,5-trimethylbenzene	0.1	61.0	61.0
66 tert-butylbenzene	0.1	60.1	58.4
67 1,2,4-trimethylbenzene	0.0	59.5	58.9
68 sec-butylbenzene	0.1	62.8	59.8
69 1,3-dichlorobenzene	0.2	54.9	54.5
70 1,4-dichlorobenzene	0.1	55.1	52.5
71 p-isopropyltoluene	0.1	64.4	62.1
72 1,2-dichlorobenzene	0.3	57.8	57.6
73 n-butylbenzene	0.2	65.5	63.1
74 1,2-dibromo-3-chlorotoluene	0.3	46.5	49.8

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0001S (SPIKE)
Control No.: 83586LFM
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 14:25
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	532	62
Acrolein	512	62
Acrylonitrile	548	62
Benzene	65	6
Bromodichloromethane	68	6
Bromoform	58	6
Bromomethane	71	6
2-Butanone (MEK)	576	62
Carbon disulfide	582	6
Carbon tetrachloride	70	6
Chlorobenzene	58	6
Chloroethane	58	6
2-Chloroethylvinyl ether	922	25
Chloroform	70	6
Chloromethane	63	6
Dibromochloromethane	55	6
1,2-Dibromoethane (EDB)	60	6
Dibromomethane	55	6
trans-1,4-Dichloro-2-butene	570	31
Dichlorodifluoromethane	58	6
1,1-Dichloroethane	67	6
1,2-Dichloroethane	70	6
trans-1,2-Dichloroethene	68	6
1,1-Dichloroethene	56	6
1,2-Dichloropropane	65	6
cis-1,3-Dichloropropene	64	6
trans-1,3-Dichloropropene	67	6
Ethylbenzene	59	6
Ethyl methacrylate	517	19
2-Hexanone	511	62
Iodomethane	631	6
Methylene chloride (Dichloromethane)	57	6
4-Methyl-2-pentanone (MIBK)	436	62

Styrene	60	6
1,1,2,2-Tetrachloroethane	57	6
Tetrachloroethene	49	6
Toluene	63	6
1,1,1-Trichloroethane	73	6
1,1,2-Trichloroethane	61	6
Trichloroethene	63	6
Trichlorofluoromethane	58	6
1,2,3-Trichloropropane	59	6
Vinyl acetate	612	37
Vinyl chloride	60	6
Xylenes	117	6

Surrogate Recoveries		Range
Dibromofluoromethane	115.3 %	80 - 120
Toluene-d8	96.8 %	81 - 117
4-Bromofluorobenzene	101.3 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 2:25 pm using AcqMethod 8260LLS
Sample Name: 50815901 LFM (83586) COMP. OF 1
Misc Info : 50815901 LFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	47.1 ug/kg	
3	Chloromethane (SPCC)	1.43	51.3 ug/kg	
4	Vinyl Chloride (CCC)	1.78	48.9 ug/kg	
5	Bromomethane	2.49	57.2 ug/kg	
6	Chloroethane	2.88	47.1 ug/kg	
7	Trichlorofluoromethane	3.98	46.7 ug/kg	
8	Acrolein	4.18	414.9 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	45.6 ug/kg	
10	Carbon Disulfide	5.18	471.8 ug/kg	
11	Iodomethane	4.81	510.9 ug/kg	
12	Acetone	4.53	431.1 ug/kg	
13	Dichloromethane	5.34	46.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	55.0 ug/kg	
15	Acrylonitrile	5.35	444.1 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	54.1 ug/kg	
17	Vinyl Acetate	7.33	495.9 ug/kg	
18	2,2-Dichloropropane	8.05	53.1 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	55.9 ug/kg	
20	Methyl Ethyl Ketone	7.66	466.6 ug/kg	
21	Bromochloromethane	7.88	54.4 ug/kg	
22	Chloroform (CCC)	8.03	57.1 ug/kg	
23	1,1,1-Trichloroethane	9.00	59.1 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	46.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	53.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 2:25 pm using AcqMethod 8260LLS
Sample Name: 50815901 LFM (83586) COMP. OF 1
Misc Info : 50815901 LFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	57.1 ug/kg	
28	Benzene	9.59	52.4 ug/kg	
29	1,2-Dichloroethane	8.92	56.6 ug/kg	
30	Trichloroethylene	10.58	51.2 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.50	53.0 ug/kg	
32	Dibromomethane	10.42	44.5 ug/kg	#
33	Dichlorobromomethane	10.65	55.2 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	746.5 ug/kg	
35	trans-1,3-Dichloropropene	12.41	54.1 ug/kg	
36	4-Methyl-2-Pentanone	12.01	352.9 ug/kg	
37	Toluene-d8 (SURR)	12.72	38.7 ug/kg	
38	Toluene (CCC)	12.82	51.1 ug/kg	
39	cis-1,3-Dichloropropene	11.70	52.2 ug/kg	
40	Ethyl Methacrylate	13.28	418.8 ug/kg	
41	1,1,2-Trichloroethane	12.56	49.3 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	39.6 ug/kg	
44	1,3-Dichloropropane	12.93	47.1 ug/kg	
45	2-Hexanone	13.37	414.2 ug/kg	
46	Dibromochloromethane	13.21	44.8 ug/kg	
47	1,2-Dibromoethane	13.55	48.4 ug/kg	
48	Chlorobenzene (SPCC)	14.95	46.6 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	46.4 ug/kg	
50	Ethylbenzene (CCC)	15.37	47.9 ug/kg	
51	m,p-Xylene	15.73	95.0 ug/kg	
52	o-Xylene	16.33	49.8 ug/kg	
53	Styrene	16.23	48.2 ug/kg	
54	Bromoform (SPCC)	15.67	47.3 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	55.4 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	40.5 ug/kg	
58	Bromobenzene	17.19	51.6 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	45.9 ug/kg	
60	1,2,3-Trichloropropane	16.54	47.4 ug/kg	
61	n-Propylbenzene	17.71	47.5 ug/kg	
62	2-Chlorotoluene	17.76	54.9 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	461.5 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 2:25 pm using AcqMethod 8260LLS
Sample Name: 50815901 LFM (83586) COMP. OF 1
Misc Info : 50815901 LFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	58.4 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	61.0 ug/kg	
66	tert-Butylbenzene	18.69	60.1 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	59.5 ug/kg	
68	sec-Butylbenzene	19.11	62.8 ug/kg	
69	1,3-Dichlorobenzene	19.08	54.9 ug/kg	
70	1,4-Dichlorobenzene	19.24	55.1 ug/kg	
71	p-Isopropyltoluene	19.55	64.4 ug/kg	
72	1,2-Dichlorobenzene	19.85	57.8 ug/kg	
73	n-Butylbenzene	20.24	65.5 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	46.5 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

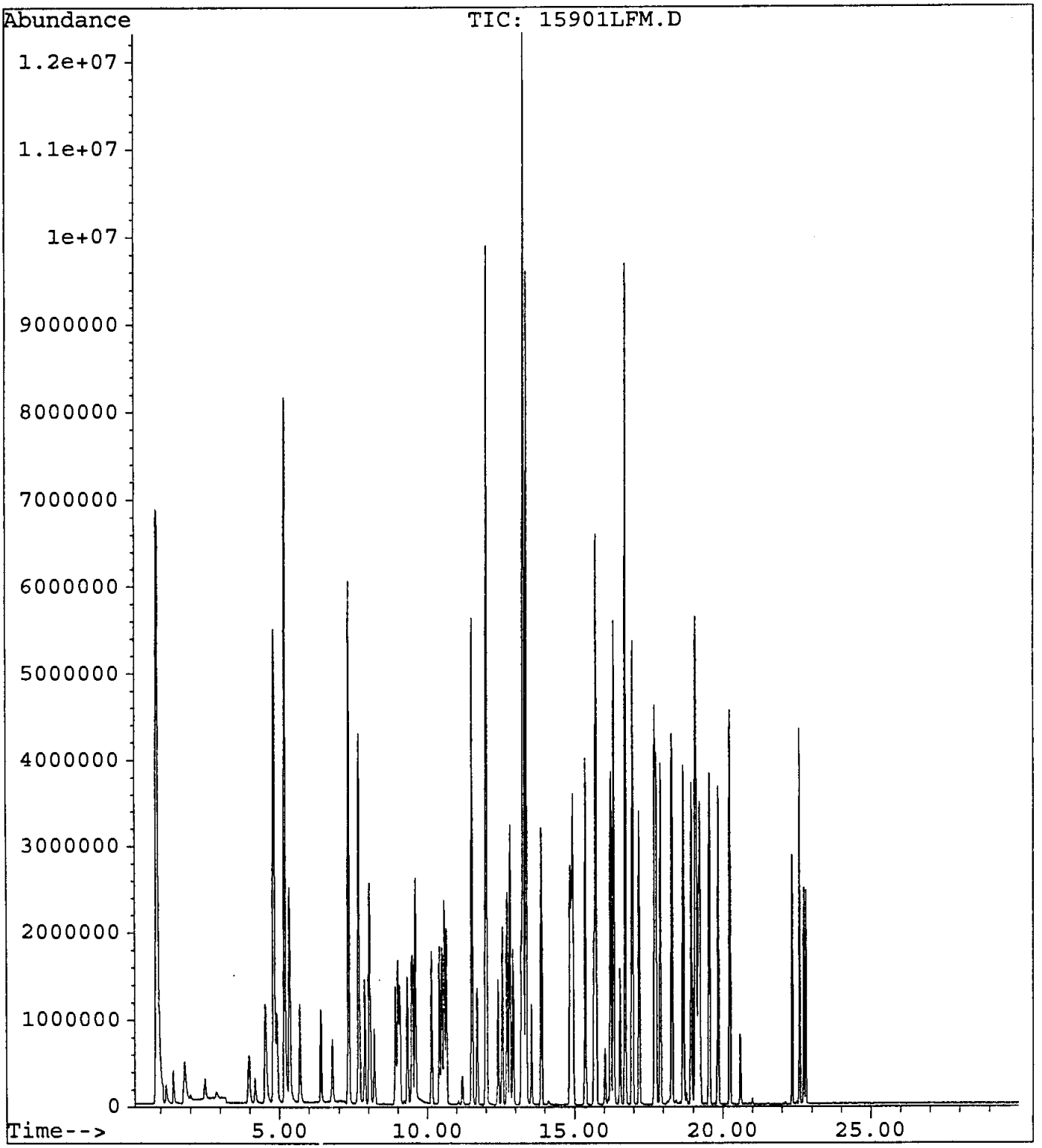
File Name	15901LFM.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 14:25
Method	8260LLS
Misc Info	50815901 LFM (83586) COMP. OF 1 082
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	14241585	40.00	ug/kg	*ISTD
2	1.186	85.00	Dichlorodifluoromethane	3871796	47.05	ug/kg	
3	1.428	50.00	Chloromethane (SPCC)	6327807	51.30	ug/kg	
4	1.780	62.00	Vinyl Chloride (CCC)	4287849	48.94	ug/kg	
5	2.491	94.00	Bromomethane	2433650	57.20	ug/kg	
6	2.879	64.00	Chloroethane	925437	47.07	ug/kg	
7	3.979	101.00	Trichlorofluoromethane	10752233	46.72	ug/kg	
8	4.178	56.00	Acrolein	5096196	414.91	ug/kg	
9	4.920	61.00	1,1-Dichloroethylene (CCC)	10968512	45.59	ug/kg	
10	5.178	78.00	Carbon Disulfide	14510847	471.77	ug/kg	
11	4.811	127.00	Iodomethane	75875249	510.90	ug/kg	
12	4.526	43.00	Acetone	41590563	431.10	ug/kg	
13	5.338	49.00	Dichloromethane	12886002	46.05	ug/kg	
14	6.393	61.00	trans-1,2-Dichloroethylene	9689378	55.03	ug/kg	
15	5.347	53.00	Acrylonitrile	20177646	444.05	ug/kg	
16	6.780	63.00	1,1-Dichloroethane (SPCC)	11558385	54.14	ug/kg	
17	7.326	86.00	Vinyl Acetate	3256160	495.87	ug/kg	
18	8.049	77.00	2,2-Dichloropropane	14418044	53.12	ug/kg	
19	7.678	61.00	cis-1,2-Dichloroethylene	13803335	55.93	ug/kg	
20	7.665	72.00	Methyl Ethyl Ketone	9264230	466.60	ug/kg	

21	7.880	130.00	Bromochloromethane		5177154	54.36	ug/kg	
22	8.027	83.00	Chloroform (CCC)		17467991	57.14	ug/kg	
23	8.997	97.00	1,1,1-Trichloroethane		17712881	59.07	ug/kg	
24	8.201	113.00	Dibromofluoromethane (SURR)		7751294	46.13	ug/kg	
25	10.148	114.00	1,4-Difluorobenzene		18772304	40.00	ug/kg	ISTD
26	9.315	75.00	1,1-Dichloropropene		12875449	53.31	ug/kg	
27	9.484	117.00	Carbon Tetrachloride		16183030	57.08	ug/kg	
28	9.593	78.00	Benzene		30250949	52.41	ug/kg	
29	8.915	62.00	1,2-Dichloroethane		17222248	56.64	ug/kg	
30	10.583	130.00	Trichloroethylene		9802388	51.15	ug/kg	
31	10.496	63.00	1,2-Dichloropropane (CCC)		10221685	52.96	ug/kg	
32	10.416	174.00	Dibromomethane		9137902	44.51	ug/kg	
33	10.655	83.00	Dichlorobromomethane		17207368	55.22	ug/kg	
34	11.521	63.00	2-Chloroethyl Vinyl Ether		32514480	746.50	ug/kg	
35	12.410	75.00	trans-1,3-Dichloropropene		13960682	54.12	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		1.52E+08	352.88	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		21867439	38.72	ug/kg	
38	12.819	91.00	Toluene (CCC)		35201818	51.08	ug/kg	
39	11.702	75.00	cis-1,3-Dichloropropene		14538542	52.19	ug/kg	
40	13.280	99.00	Ethyl Methacrylate		24346779	418.79	ug/kg	
41	12.558	97.00	1,1,2-Trichloroethane		8872765	49.28	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		6589920	40.00	ug/kg	ISTD
43	13.888	166.00	Tetrachloroethylene		15897822	39.62	ug/kg	
44	12.928	76.00	1,3-Dichloropropane		14079759	47.11	ug/kg	
45	13.371	43.00	2-Hexanone		1.29E+08	414.18	ug/kg	
46	13.213	129.00	Dibromochloromethane		12999056	44.83	ug/kg	
47	13.552	107.00	1,2-Dibromoethane		10264140	48.42	ug/kg	
48	14.951	112.00	Chlorobenzene (SPCC)		26380009	46.62	ug/kg	

49	14.857	131.00	1,1,1,2-Tetrachloroethane		12406213	46.44	ug/kg	
50	15.371	91.00	Ethylbenzene (CCC)		45401972	47.89	ug/kg	
51	15.726	106.00	m,p-Xylene		28913931	94.97	ug/kg	
52	16.332	91.00	o-Xylene		39686021	49.84	ug/kg	
53	16.226	104.00	Styrene		24414776	48.23	ug/kg	
54	15.666	173.00	Bromoform (SPCC)		15718101	47.30	ug/kg	
55	19.186	152.00	1,4-Dichlorobenzene-d4		12032242	40.00	ug/kg	ISTD
56	16.970	105.00	Isopropylbenzene		41098157	55.36	ug/kg	
57	16.945	95.00	4-Bromofluorobenzene (SURR)		11323469	40.51	ug/kg	
58	17.193	158.00	Bromobenzene		14827635	51.62	ug/kg	
59	16.322	83.00	1,1,2,2-Tetrachloroethane (SPCC)		14056229	45.94	ug/kg	
60	16.543	75.00	1,2,3-Trichloropropane		12533547	47.39	ug/kg	
61	17.712	91.00	n-Propylbenzene		92581965	47.50	ug/kg	
62	17.758	126.00	2-Chlorotoluene		11052430	54.94	ug/kg	
63	16.721	75.00	1,4-Dichloro-2-Butene		42308512	461.50	ug/kg	
64	17.907	91.00	4-Chlorotoluene		36228684	58.35	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		38747134	60.96	ug/kg	
66	18.686	119.00	tert-Butylbenzene		31376246	60.09	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene		15839377	59.45	ug/kg	
68	19.109	105.00	sec-Butylbenzene		44735508	62.83	ug/kg	
69	19.083	146.00	1,3-Dichlorobenzene		23538359	54.92	ug/kg	
70	19.237	146.00	1,4-Dichlorobenzene		24362049	55.14	ug/kg	
71	19.555	119.00	p-Isopropyltoluene		38058948	64.40	ug/kg	
72	19.854	146.00	1,2-Dichlorobenzene		23776756	57.83	ug/kg	
73	20.244	91.00	n-Butylbenzene		39005847	65.53	ug/kg	
74	20.600	157.00	1,2-Dibromo-3-Chloropropane		3636845	46.53	ug/kg	

File : C:\HPCHEM\1\DATA\0821\15901LFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 2:25 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815901 LFM (83586) COMP. OF 1
Misc Info : 50815901 LFM (83586) COMP. OF 1 082
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0001S (SPIKE)
Control No.: 83586DFM
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 15:09
Units - ug/Kg dw

Compounds	Results	Detection Limit
Acetone	630	62
Acrolein	554	62
Acrylonitrile	637	62
Benzene	65	6
Bromodichloromethane	65	6
Bromoform	55	6
Bromomethane	53	6
2-Butanone (MEK)	617	62
Carbon disulfide	612	6
Carbon tetrachloride	56	6
Chlorobenzene	57	6
Chloroethane	52	6
2-Chloroethylvinyl ether	953	25
Chloroform	65	6
Chloromethane	66	6
Dibromochloromethane	53	6
1,2-Dibromoethane (EDB)	61	6
Dibromomethane	53	6
trans-1,4-Dichloro-2-butene	623	31
Dichlorodifluoromethane	62	6
1,1-Dichloroethane	66	6
1,2-Dichloroethane	73	6
trans-1,2-Dichloroethene	68	6
1,1-Dichloroethene	62	6
1,2-Dichloropropane	66	6
cis-1,3-Dichloropropene	65	6
trans-1,3-Dichloropropene	68	6
Ethylbenzene	59	6
Ethyl methacrylate	594	19
2-Hexanone	576	62
Iodomethane	633	6
Methylene chloride (Dichloromethane)	61	6
4-Methyl-2-pentanone (MIBK)	553	62

Styrene	59	6
1,1,2,2-Tetrachloroethane	63	6
Tetrachloroethene	46	6
Toluene	71	6
1,1,1-Trichloroethane	71	6
1,1,2-Trichloroethane	69	6
Trichloroethene	61	6
Trichlorofluoromethane	61	6
1,2,3-Trichloropropane	67	6
Vinyl acetate	546	37
Vinyl chloride	62	6
Xylenes	114	6

Surrogate Recoveries		Range
Dibromofluoromethane	101.8 %	80 - 120
Toluene-d8	109.0 %	81 - 117
4-Bromofluorobenzene	111.0 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hamstead

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:06 pm using AcqMethod 8260LLS
Sample Name: 50815901 DFM (83586) COMP. OF 1
Misc Info : 50815901 DFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	~~40.0 ug/kg~~	*ISTD1
2	Dichlorodifluoromethane	1.18	50.4 ug/kg	
3	Chloromethane (SPCC)	1.43	53.7 ug/kg	
4	Vinyl Chloride (CCC)	1.78	50.2 ug/kg	
5	Bromomethane	2.48	43.1 ug/kg	
6	Chloroethane	2.87	42.3 ug/kg	
7	Trichlorofluoromethane	3.98	49.2 ug/kg	
8	Acrolein	4.18	448.7 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	50.4 ug/kg	
10	Carbon Disulfide	5.17	495.8 ug/kg	
11	Iodomethane	4.81	512.5 ug/kg	
12	Acetone	4.53	510.2 ug/kg	
13	Dichloromethane	5.34	49.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	55.0 ug/kg	
15	Acrylonitrile	5.35	516.0 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	53.5 ug/kg	
17	Vinyl Acetate	7.32	442.4 ug/kg	
18	2,2-Dichloropropane	8.05	~~47.9 ug/kg~~	
19	cis-1,2-Dichloroethylene	7.68	~~53.0 ug/kg~~	
20	Methyl Ethyl Ketone	7.66	500.0 ug/kg	
21	Bromochloromethane	7.88	~~47.9 ug/kg~~	
22	Chloroform (CCC)	8.02	52.9 ug/kg	
23	1,1,1-Trichloroethane	8.99	57.5 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	40.7 ug/kg	
25	1,4-Difluorobenzene	10.15	~~40.0 ug/kg~~	*ISTD2
26	1,1-Dichloropropene	9.31	~~52.5 ug/kg~~	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:06 pm using AcqMethod 8260LLS
Sample Name: 50815901 DFM (83586) COMP. OF 1
Misc Info : 50815901 DFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	45.6 ug/kg	
28	Benzene	9.59	52.6 ug/kg	
29	1,2-Dichloroethane	8.91	59.4 ug/kg	
30	Trichloroethylene	10.58	49.5 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	53.4 ug/kg	
32	Dibromomethane	10.41	42.7 ug/kg	#
33	Dichlorobromomethane	10.65	53.0 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	772.3 ug/kg	
35	trans-1,3-Dichloropropene	12.41	55.3 ug/kg	
36	4-Methyl-2-Pentanone	12.01	448.3 ug/kg	
37	Toluene-d8 (SURR)	12.72	43.6 ug/kg	
38	Toluene (CCC)	12.82	57.4 ug/kg	
39	cis-1,3-Dichloropropene	11.70	52.6 ug/kg	
40	Ethyl Methacrylate	13.28	481.0 ug/kg	
41	1,1,2-Trichloroethane	12.55	55.8 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	37.4 ug/kg	
44	1,3-Dichloropropane	12.93	47.6 ug/kg	
45	2-Hexanone	13.37	466.7 ug/kg	
46	Dibromochloromethane	13.21	43.3 ug/kg	
47	1,2-Dibromoethane	13.55	49.1 ug/kg	
48	Chlorobenzene (SPCC)	14.95	46.2 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	45.3 ug/kg	
50	Ethylbenzene (CCC)	15.37	47.7 ug/kg	
51	m,p-Xylene	15.72	92.4 ug/kg	
52	o-Xylene	16.33	50.1 ug/kg	
53	Styrene	16.22	48.0 ug/kg	
54	Bromoform (SPCC)	15.66	44.8 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	54.6 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	44.4 ug/kg	
58	Bromobenzene	17.19	52.8 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	51.3 ug/kg	
60	1,2,3-Trichloropropane	16.54	53.9 ug/kg	
61	n-Propylbenzene	17.71	46.8 ug/kg	
62	2-Chlorotoluene	17.75	54.7 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	504.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\15901DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:06 pm using AcqMethod 8260LLS
Sample Name: 50815901 DFM (83586) COMP. OF 1
Misc Info : 50815901 DFM (83586) COMP. OF 1 082
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	59.3 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	61.0 ug/kg	
66	tert-Butylbenzene	18.68	58.4 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	58.9 ug/kg	
68	sec-Butylbenzene	19.10	59.8 ug/kg	
69	1,3-Dichlorobenzene	19.08	54.5 ug/kg	
70	1,4-Dichlorobenzene	19.23	52.5 ug/kg	
71	p-Isopropyltoluene	19.55	62.1 ug/kg	
72	1,2-Dichlorobenzene	19.85	57.6 ug/kg	
73	n-Butylbenzene	20.24	63.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	49.8 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	15901DFM.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 15:06
Method	8260LLS
Misc Info	50815901 DFM (83586) COMP. OF 1 082
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.064	168.00	Pentafluorobenzene	12780312	40.00	ug/kg	*ISTD
2	1.184	85.00	Dichlorodifluoromethane	3704834	50.42	ug/kg	
3	1.426	50.00	Chloromethane (SPCC)	5901692	53.73	ug/kg	
4	1.779	62.00	Vinyl Chloride (CCC)	3937971	50.23	ug/kg	
5	2.482	94.00	Bromomethane	1645525	43.13	ug/kg	
6	2.873	64.00	Chloroethane	754421	42.25	ug/kg	
7	3.975	101.00	Trichlorofluoromethane	10143285	49.18	ug/kg	
8	4.179	56.00	Acrolein	4975633	448.68	ug/kg	
9	4.918	61.00	1,1-Dichloroethylene (CCC)	10898392	50.44	ug/kg	
10	5.175	78.00	Carbon Disulfide	13647330	495.82	ug/kg	
11	4.807	127.00	Iodomethane	68351894	512.53	ug/kg	
12	4.534	43.00	Acetone	45053660	510.17	ug/kg	
13	5.336	49.00	Dichloromethane	12369186	49.34	ug/kg	
14	6.388	61.00	trans-1,2-Dichloroethylene	8685994	54.98	ug/kg	
15	5.348	53.00	Acrylonitrile	21433144	516.01	ug/kg	
16	6.778	63.00	1,1-Dichloroethane (SPCC)	10249805	53.51	ug/kg	
17	7.321	86.00	Vinyl Acetate	2506769	442.41	ug/kg	
18	8.046	77.00	2,2-Dichloropropane	11526055	47.93	ug/kg	
19	7.677	61.00	cis-1,2-Dichloroethylene	11748158	52.96	ug/kg	
20	7.662	72.00	Methyl Ethyl Ketone	8965042	499.97	ug/kg	

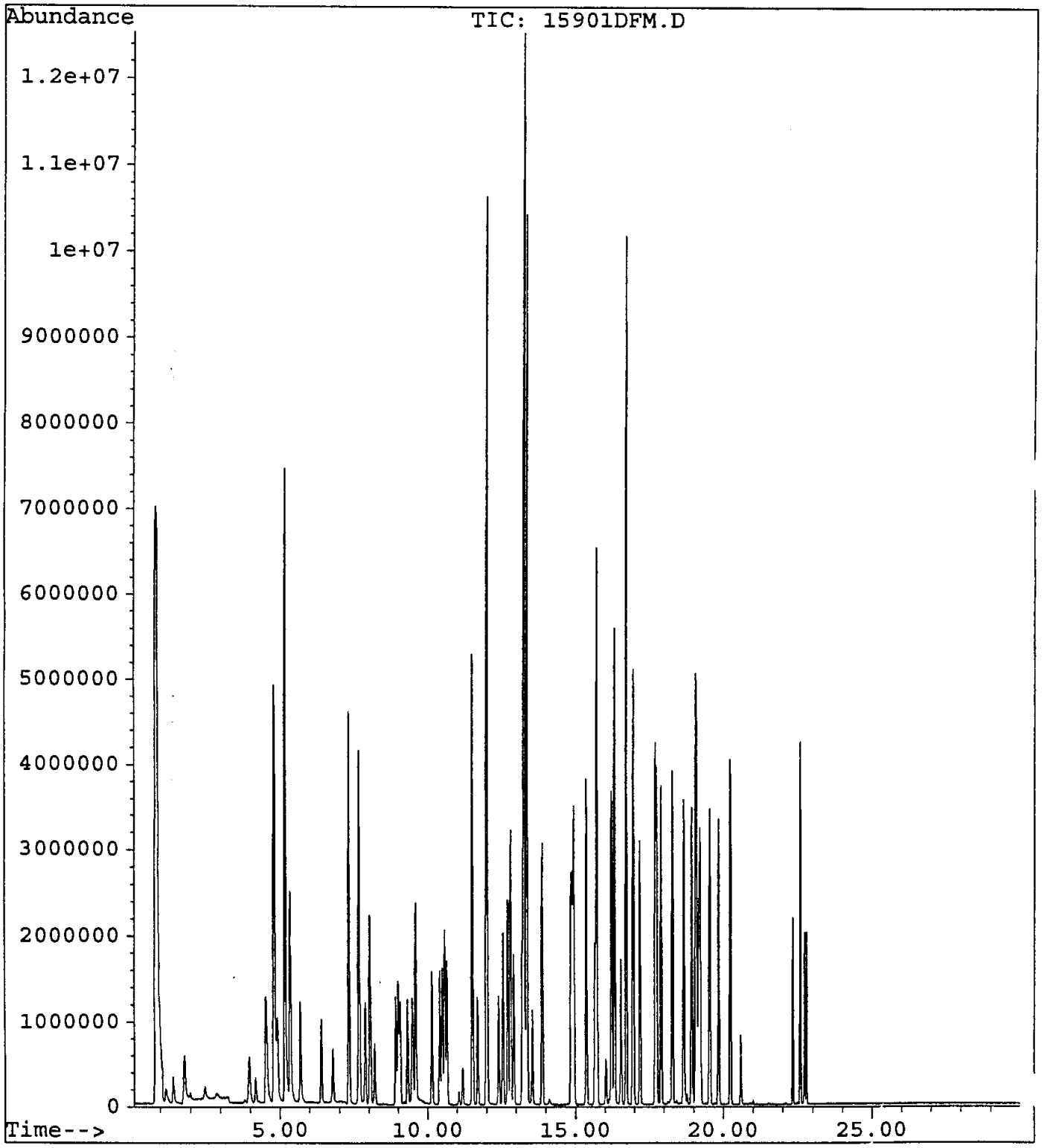
21	7.877	130.00	Bromochloromethane		4067627	47.92	ug/kg	
22	8.025	83.00	Chloroform (CCC)		14607768	52.91	ug/kg	
23	8.994	97.00	1,1,1-Trichloroethane		15487961	57.55	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		6130614	40.65	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene		16967701	40.00	ug/kg	ISTD
26	9.310	75.00	1,1-Dichloropropene		11450092	52.47	ug/kg	
27	9.481	117.00	Carbon Tetrachloride		11432082	45.64	ug/kg	
28	9.590	78.00	Benzene		27427359	52.57	ug/kg	
29	8.911	62.00	1,2-Dichloroethane		16426482	59.44	ug/kg	
30	10.579	130.00	Trichloroethylene		8580825	49.54	ug/kg	
31	10.494	63.00	1,2-Dichloropropane (CCC)		9311010	53.39	ug/kg	
32	10.413	174.00	Dibromomethane		7922686	42.68	ug/kg	
33	10.652	83.00	Dichlorobromomethane		14926503	53.05	ug/kg	
34	11.519	63.00	2-Chloroethyl Vinyl Ether		31243662	772.29	ug/kg	
35	12.408	75.00	trans-1,3-Dichloropropene		12961623	55.30	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		1.66E+08	448.27	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		22237435	43.57	ug/kg	
38	12.817	91.00	Toluene (CCC)		35279441	57.42	ug/kg	
39	11.698	75.00	cis-1,3-Dichloropropene		13247989	52.56	ug/kg	
40	13.277	99.00	Ethyl Methacrylate		24831583	481.05	ug/kg	
41	12.555	97.00	1,1,2-Trichloroethane		9012755	55.76	ug/kg	
42	14.898	54.00	Chlorobenzene-d5		6491040	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		14824756	37.40	ug/kg	
44	12.925	76.00	1,3-Dichloropropane		14022644	47.63	ug/kg	
45	13.369	43.00	2-Hexanone		1.42E+08	466.69	ug/kg	
46	13.214	129.00	Dibromochloromethane		12348500	43.26	ug/kg	
47	13.549	107.00	1,2-Dibromoethane		10259866	49.07	ug/kg	
48	14.949	112.00	Chlorobenzene (SPCC)		25767350	46.23	ug/kg	

000622

49	14.854	131.00	1,1,1,2-Tetrachloroethane		11911807	45.25	ug/kg	
50	15.370	91.00	Ethylbenzene (CCC)		44545717	47.71	ug/kg	
51	15.723	106.00	m,p-Xylene		27709697	92.39	ug/kg	
52	16.328	91.00	o-Xylene		39284758	50.08	ug/kg	
53	16.224	104.00	Styrene		23953022	48.05	ug/kg	
54	15.663	173.00	Bromoform (SPCC)		14568314	44.78	ug/kg	
55	19.183	152.00	1,4-Dichlorobenzene-d4		11199521	40.00	ug/kg	ISTD
56	16.967	105.00	Isopropylbenzene		37790445	54.58	ug/kg	
57	16.943	95.00	4-Bromofluorobenzene (SURR)		11542930	44.36	ug/kg	
58	17.189	158.00	Bromobenzene		14085995	52.79	ug/kg	
59	16.317	83.00	1,1,2,2-Tetrachloroethane (SPCC)		14378662	51.29	ug/kg	
60	16.540	75.00	1,2,3-Trichloropropane		13079959	53.88	ug/kg	
61	17.708	91.00	n-Propylbenzene		84995540	46.81	ug/kg	
62	17.752	126.00	2-Chlorotoluene		10241377	54.66	ug/kg	
63	16.718	75.00	1,4-Dichloro-2-Butene		43760581	504.64	ug/kg	
64	17.903	91.00	4-Chlorotoluene		34226063	59.27	ug/kg	
65	18.291	105.00	1,3,5-Trimethylbenzene		36075207	60.97	ug/kg	
66	18.680	119.00	tert-Butylbenzene		28347461	58.36	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene		14605646	58.90	ug/kg	
68	19.103	105.00	sec-Butylbenzene		39534804	59.84	ug/kg	
69	19.077	146.00	1,3-Dichlorobenzene		21728232	54.45	ug/kg	
70	19.231	146.00	1,4-Dichlorobenzene		21581775	52.47	ug/kg	
71	19.550	119.00	p-Isopropyltoluene		34019518	62.07	ug/kg	
72	19.848	146.00	1,2-Dichlorobenzene		22022330	57.56	ug/kg	
73	20.240	91.00	n-Butylbenzene		34741069	63.11	ug/kg	
74	20.597	157.00	1,2-Dibromo-3-Chloropropane		3585081	49.80	ug/kg	

000623

File : C:\HPCHEM\1\DATA\0821\15901DFM.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:06 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815901 DFM (83586) COMP. OF 1
Misc Info : 50815901 DFM (83586) COMP. OF 1 082
Vial Number: 1



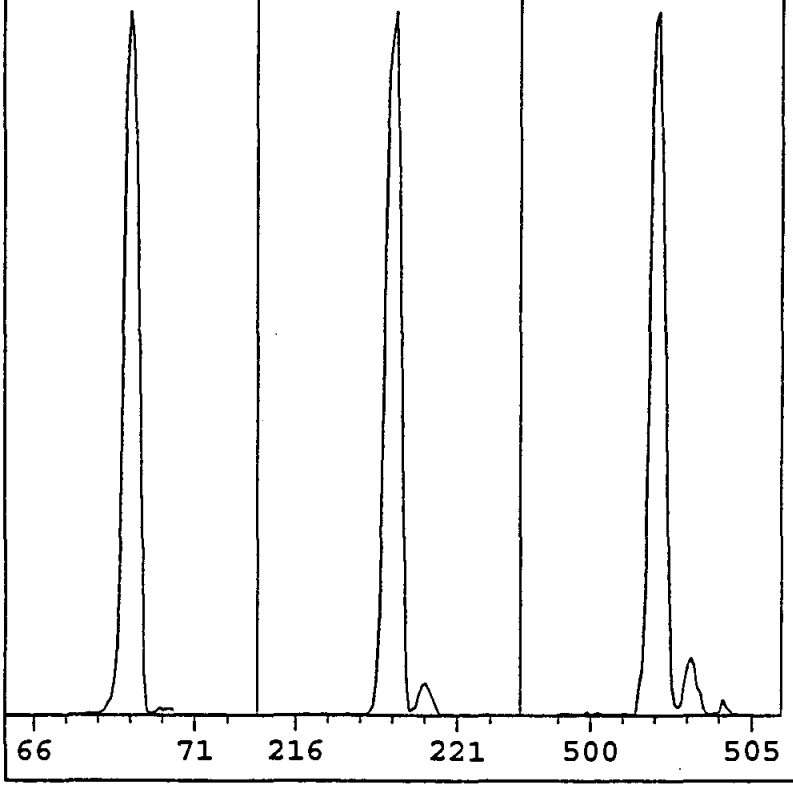
APPENDIX III

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Jul 17 08:08:28 1995 C:\HPCHEM\1\5970\ATUNE.U

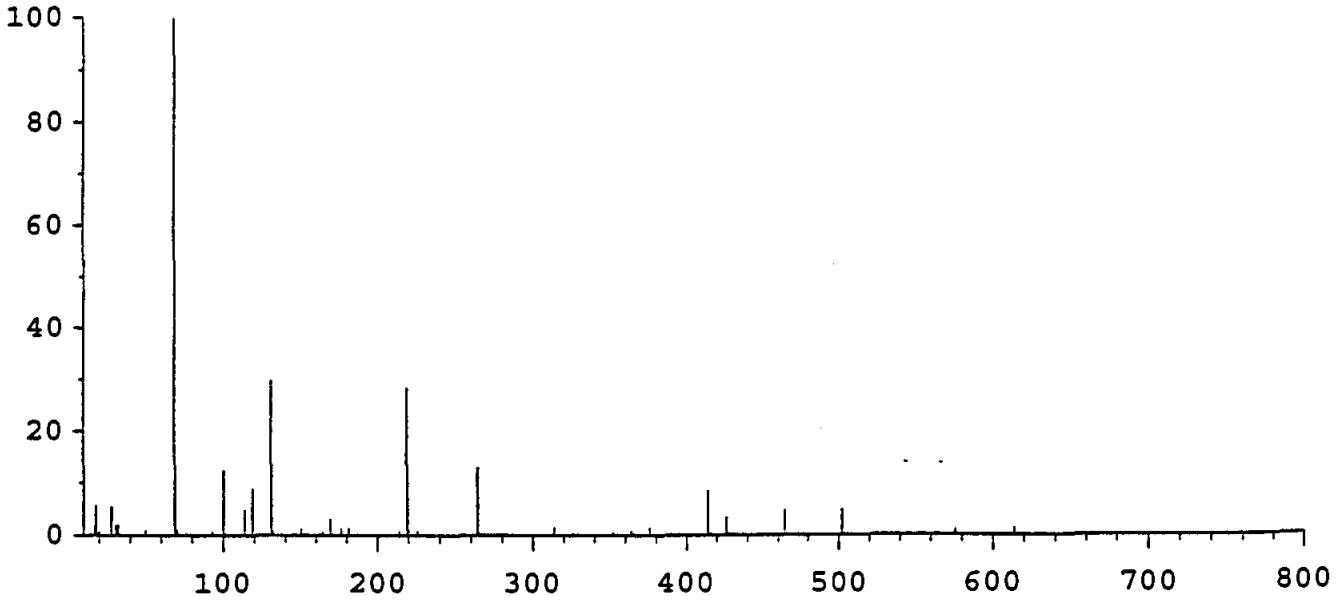
Mass	69.00	Mass	219.10	Mass	502.10
Ab	1611799	%	28.38	%	5.63
Pw50	0.51	Pw50	0.53	Pw50	0.50



EMVolts	2600	AmuGain	89
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	46
MassGain	-197		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

199 peaks Base: 69.00 Abundance: 1351168



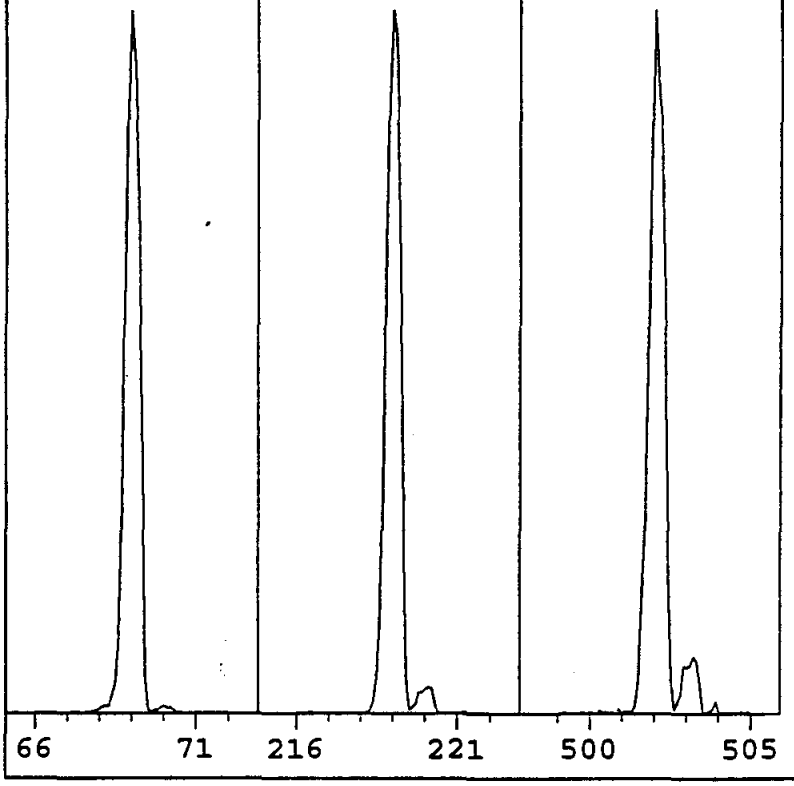
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1351168	100.00	70.00	16632	1.23
218.95	387776	28.70	220.05	15664	4.04
502.10	68216	5.05	503.10	6228	9.13

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Jul 17 08:10:48 1995 C:\HPCHEM\1\5970\ATUNE.U

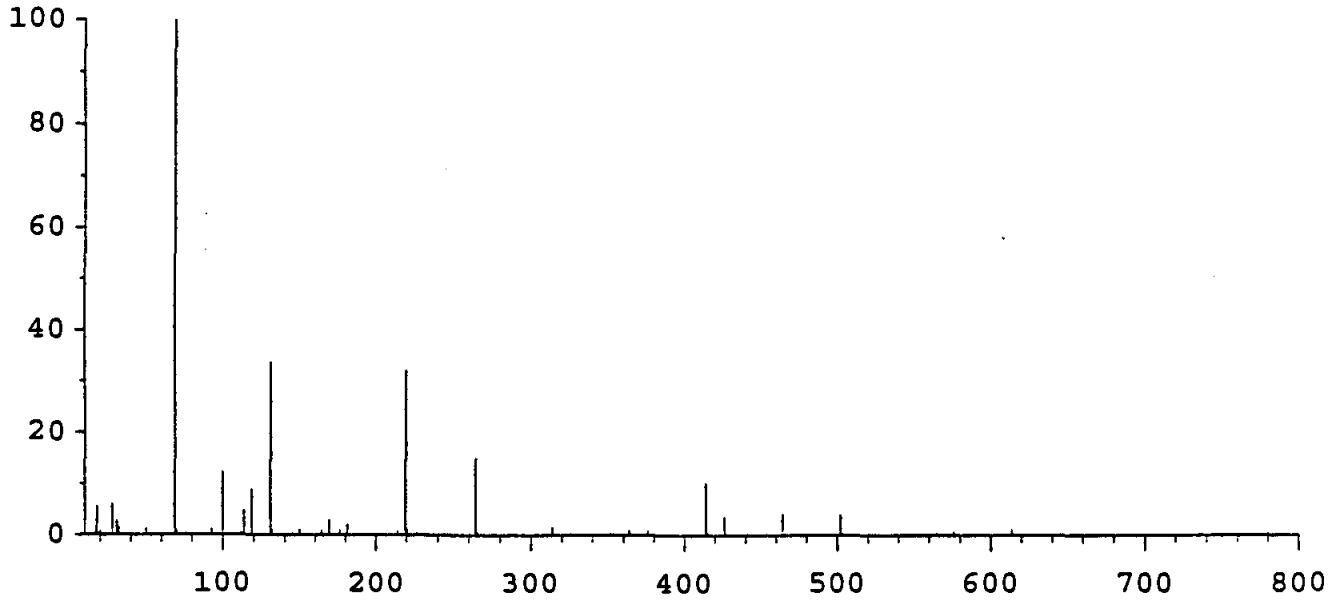
Mass	69.00	Mass	219.00	Mass	502.00
Ab	2916465	%	38.66	%	5.42
Pw50	0.52	Pw50	0.51	Pw50	0.53



EMVolts	2800	AmuGain	89
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	50
MassGain	-195		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

304 peaks Base: 69.00 Abundance: 2505728

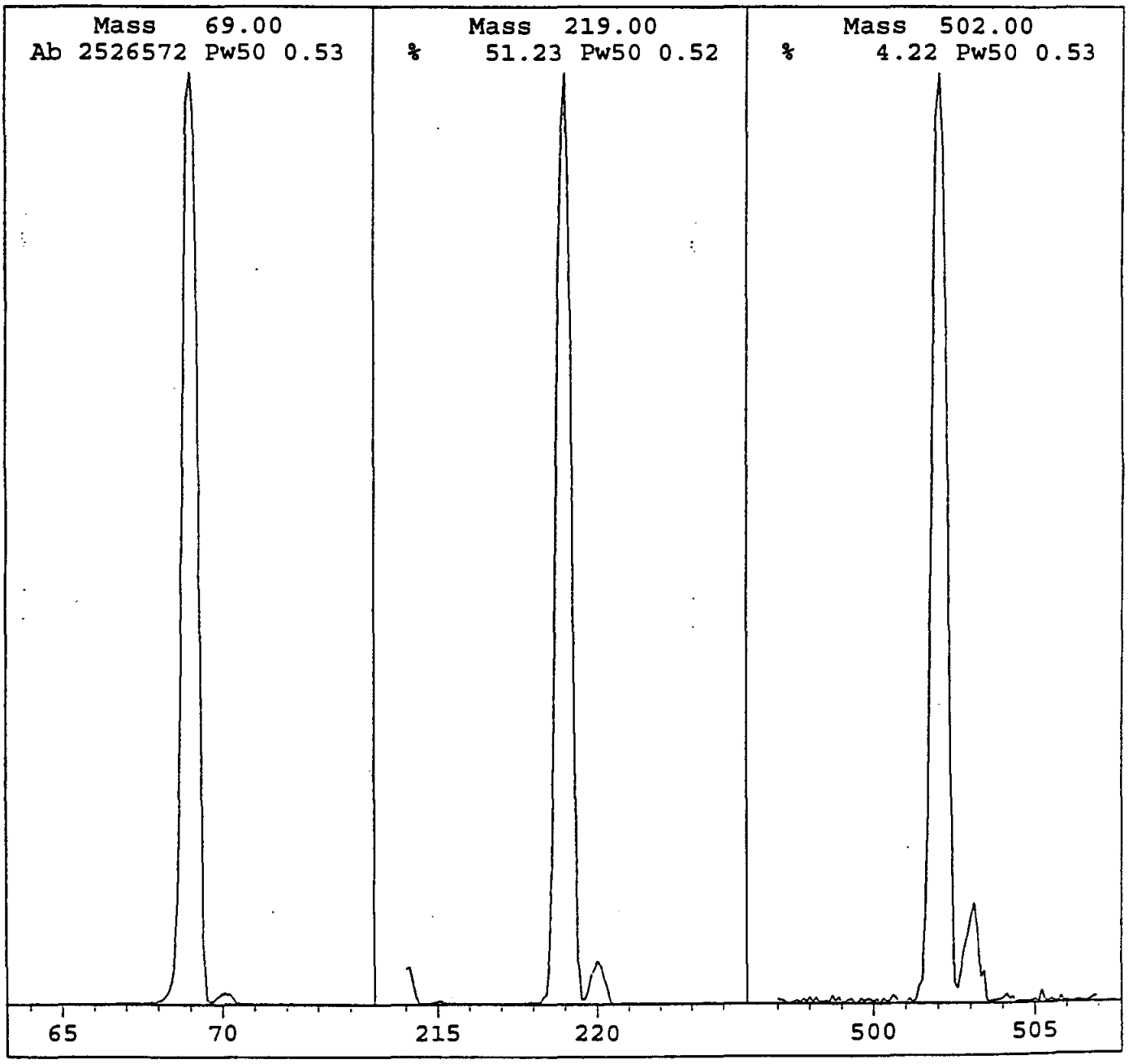


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2505728	100.00	70.10	27800	1.11
218.95	807936	32.24	219.95	32384	4.01
502.00	103320	4.12	503.00	9161	8.87

Instrument: 5970 - Instrument1
Mon Jul 17 08:12:49 1995 C:\HPCHEM\1\5970\ATUNE.U

Manual tune to adjust Ent. Lens to raise Bromoform response.

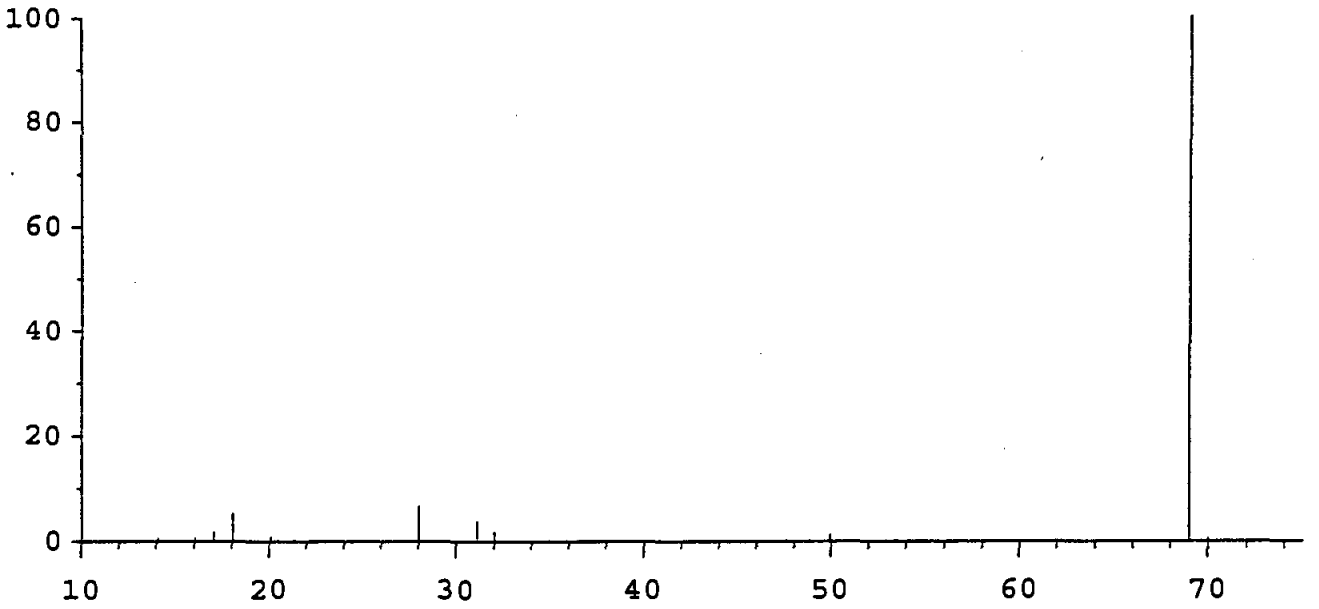
EMVolts	2600	AmuGain	89
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	60
MassGain	-195		
MassOffs	15		



HP 5970 Air and Water Check

Instrument: 5970 - Instrument1
Mon Jul 17 08:14:15 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
62 peaks Base: 69.00 Abundance: 2861568



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2861568	100.00	70.00	25824	0.90
18.05	154304	5.39	18.95	16816	10.90
28.00	193792	6.77	29.00	4411	2.28

HP 5970 Air and Water Check : Mon Jul 17 08:14:15 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 45.0
EMV = 2800
Relative abundances:

18/69 =	5.39	Water%
28/69 =	6.77	Nitrogen%
32/69 =	2.05	Oxygen%
44/69 =	0.21	Carbon Dioxide%
18/28 =	79.62	Water/Nitrogen%

4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 8:20
Method	BFB
Misc Info	BFB CHECK 0717
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.920	95.00	Base Peak	2768929	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	652310	23.56	%	
3	6.920	75.00	30% to 60% of 95	1353656	48.88	%	
4	6.920	96.00	5% to 9% of 95	185767	6.71	%	
5	6.920	174.00	> 50% of 95	3128706	112.99	%	
6	6.920	174.00		3128706	100.00	%	ISTD
7	6.920	173.00	< 2% of 174	24506	0.78	%	
8	6.920	175.00	5% to 9% of 174	238416	7.62	%	
9	6.920	176.00	>95% , <101% of 174	3131386	100.09	%	
10	6.920	176.00		3131386	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	199374	6.37	%	

Volatile Organics by EPA Method 8260

File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 9:14
Method	8260LLS
Misc Info	BLANK 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.082	168.00	Pentafluorobenzene	21852523	40.00	ug/kg	*ISTD
2	1.283	85.00	Dichlorodifluoromethane	22684	0.19	ug/kg	
3	1.449	50.00	Chloromethane (SPCC)	105359	0.36	ug/kg	
4	1.866	62.00	Vinyl Chloride (CCC)	36334	0.33	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	4.009	101.00	Trichlorofluoromethane	30610	0.11	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.832	127.00	Iodomethane	108187	0.69	ug/kg	
12	4.495	43.00	Acetone	466792	6.48	ug/kg	
13	5.343	49.00	Dichloromethane	1060477	2.99	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.058	83.00	Chloroform (CCC)		87541	0.20	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane		0	0.00	ug/kg	
24	8.209	113.00	Dibromofluoromethane (SURR)		9920084	40.02	ug/kg	
25	10.164	114.00	1,4-Difluorobenzene		26396824	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	9.071	62.00	1,2-Dichloroethane		38673	0.10	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.312	43.00	4-Methyl-2-Pentanone		50210	0.12	ug/kg	
37	12.735	98.00	Toluene-d8 (SURR)		33190070	40.65	ug/kg	
38	12.846	91.00	Toluene (CCC)		200406	0.22	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.911	54.00	Chlorobenzene-d5		9008391	40.00	ug/kg	ISTD
43	13.888	166.00	Tetrachloroethylene		23138	0.04	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.379	91.00	Ethylbenzene (CCC)		15431	0.01	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	16.333	91.00	o-Xylene		29472	0.03	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.199	152.00	1,4-Dichlorobenzene-d4		14204864	40.00	ug/kg	ISTD
56	16.956	105.00	Isopropylbenzene		22401	0.03	ug/kg	
57	16.954	95.00	4-Bromofluorobenzene (SURR)		15562066	40.01	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.716	91.00	n-Propylbenzene		42008	0.02	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.716	91.00	4-Chlorotoluene		43489	0.07	ug/kg	
65	18.293	105.00	1,3,5-Trimethylbenzene		23033	0.03	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.577	119.00	p-Isopropyltoluene		19774	0.04	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.241	91.00	n-Butylbenzene		8076	0.01	ug/kg	
74	20.605	157.00	1,2-Dibromo-3-Chloropropane		2865	0.03	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 10 07:24:49 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:14 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.08	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.28	0.2 ug/kg	#
3	Chloromethane (SPCC)	1.45	0.4 ug/kg	#
4	Vinyl Chloride (CCC)	1.87	0.3 ug/kg	#
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	4.01	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.83	0.7 ug/kg	#
12	Acetone	4.49	6.5 ug/kg	
13	Dichloromethane	5.34	3.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.06	0.2 ug/kg	#
23	1,1,1-Trichloroethane	***** NOT FOUND *****		
24	Dibromofluoromethane (SURR)	8.21	40.0 ug/kg	
25	1,4-Difluorobenzene	10.16	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 10 07:24:49 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:14 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	9.07	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.31	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.74	40.7 ug/kg	
38	Toluene (CCC)	12.85	0.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.91	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.0 ug/kg	#
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	16.33	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.20	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.0 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	40.0 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.72	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 10 07:24:49 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:14 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.72	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.58	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.24	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Method 8260 Initial Calibration Stats

Low Level Soils Method

Date of Calibration : 7/17/95

Analyst Name : Charles M. Johnson

PK #	Compound Name	Relative Response Factors					Average RRF	Status AVG RRF (SPCC>0.3)	% RSD	Status % RSD (CCC<30.0)
		Level One (5 PPB)	Level Two (10 PPB)	Level Three (20 PPB)	Level Four (50 PPB)	Level Five (100 PPB)				
1	Pentafluorobenzene (I.S. # 1)	0.9808	0.9209	0.9924	1.0746	1.0314	1.0000		5.1434	
2	Dichlorodifluoromethane	0.1850	0.1754	0.1786	0.1746	0.1592	0.1745		4.8758	
3	Chloromethane (SPCC)	0.5351	0.3604	0.3754	0.3717	0.3019	0.3889	OK	19.9905	
4	Vinyl Chloride (CCC)	0.2313	0.2682	0.2562	0.2634	0.2264	0.2491		6.8427	7,6 OK
5	Bromomethane	0.1738	0.1686	0.1276	0.1197	0.1244	0.1428		16.3669	
6	Chloroethane	0.0974	0.0569	0.0678	0.0654	0.0498	0.0654		25.9459	
7	Trichlorofluoromethane	0.5878	0.5094	0.5552	0.5669	0.5353	0.5469		4.0468	
8	Acrolein	0.0313	0.0319	0.0338	0.0372	0.0394	0.0347		8.9107	
9	1,1-Dichloroethylene (CCC)	0.5867	0.5219	0.5595	0.6050	0.5852	0.5717		5.0340	OK
10	Carbon Disulfide	0.0712	0.0727	0.0816	0.0843	0.0761	0.0772		6.5255	
11	Iodomethane	0.3477	0.3759	0.2963	0.2939	0.3707	0.3369		10.5138	
12	Acetone	0.1609	0.1467	0.1565	0.1556	0.1767	0.1597		5.8685	
13	Dichloromethane	1.2375	0.7926	0.7071	0.6098	0.6367	0.7967		28.7852	
14	trans-1,2-Dichloroethylene	0.3646	0.3626	0.4519	0.5430	0.5309	0.4506		17.2281	
15	Acrylonitrile	0.0959	0.0878	0.1034	0.1076	0.1198	0.1029		10.5111	
16	1,1-Dichloroethane (SPCC)	0.6867	0.5331	0.6159	0.6359	0.6259	0.6155	OK	7.2437	
17	Vinyl Acetate	0.0094	0.0212	0.0142	0.0178	0.0246	0.0174		30.3948	
18	2,2-Dichloropropane	0.5520	0.6381	0.5921	0.6568	0.7259	0.6330		9.3355	
19	cis-1,2-Dichloroethylene	0.5924	0.5709	0.6840	0.7612	0.6967	0.6610		10.6243	
20	Methyl Ethyl Ketone	0.0353	0.0303	0.0384	0.0393	0.0423	0.0371		10.9170	
21	Bromochloromethane	0.2437	0.2243	0.2543	0.2874	0.2894	0.2598		9.7208	
22	Chloroform (CCC)	0.9362	0.7696	0.9007	0.9380	0.8284	0.8746		7.5245	OK
23	1,1,1-Trichloroethane	0.8402	0.7127	0.8507	0.9089	0.8631	0.8351		7.8483	
24	Dibromofluoromethane (SURR)	0.4714	0.4187	0.4730	0.4675	0.5096	0.4721		6.3502	
25	1,4-Difluorobenzene (I.S. # 2)	0.9043	0.9048	1.0210	1.1007	1.0693	1.0000		8.1967	
26	1,1-Dichloropropene	0.4686	0.4116	0.5105	0.5705	0.5636	0.5050		11.8129	
27	Carbon Tetrachloride	0.4489	0.5809	0.5523	0.6545	0.7008	0.5875		14.8069	
28	Benzene	1.1657	1.1256	1.2668	1.3511	1.3073	1.2433		6.8380	
29	1,2-Dichloroethane	0.6252	0.5184	0.6203	0.7010	0.7522	0.6434		12.3637	
30	Trichloroethylene	0.3483	0.3514	0.4251	0.4490	0.4376	0.4023		10.8078	
31	1,2-Dichloropropane (CCC)	0.3451	0.3732	0.4194	0.4556	0.4319	0.4051		9.9444	OK
32	Dibromomethane	0.3620	0.3832	0.4437	0.4845	0.4620	0.4271		10.9600	
33	Dichlorobromomethane	0.5379	0.5926	0.6382	0.7375	0.7247	0.6462		11.8152	
34	2-Chloroethyl Vinyl Ether	0.0105	0.0138	0.0146	0.0255	0.0441	0.0217		56.5459	
35	trans-1,3-Dichloropropene	0.2801	0.4702	0.4353	0.6013	0.7076	0.4989		29.2910	
36	4-Methyl-2-Pentanone	0.4756	0.5173	0.6229	0.5962	0.4057	0.5235		15.1288	
37	Toluene-d8 (SURR)	1.1385	1.1658	1.2492	1.3096	1.1285	1.1983		5.8397	
38	Toluene (CCC)	1.3061	1.3764	1.5453	1.6443	1.4037	1.4551		8.4147	OK
39	cis-1,3-Dichloropropene	0.3722	0.5374	0.5208	0.6503	0.7323	0.5626		21.7887	
40	Ethyl Methacrylate	0.0946	0.1070	0.1209	0.1192	0.0987	0.1081		9.7759	
41	1,1,2-Trichloroethane	0.3389	0.3555	0.3974	0.4249	0.3880	0.3809		8.0126	
42	Chlorobenzene-d5 (I.S. # 3)	0.9354	0.9467	1.0131	1.1171	0.9876	1.0000		6.4869	
43	Tetrachloroethylene	2.2507	2.0673	2.4254	2.7449	2.2188	2.3414		9.8935	
44	1,3-Dichloropropane	1.2569	1.4630	1.8949	2.0368	1.8223	1.6948		17.0755	
45	2-Hexanone	1.0245	1.0670	1.2643	1.3741	1.0968	1.1654		11.3570	
46	Dibromochloromethane	1.2114	1.5089	1.7513	1.9943	1.7828	1.8497		16.2354	
47	1,2-Dibromoethane	1.0036	1.1541	1.2543	1.4342	1.4053	1.2503		12.7959	
48	Chlorobenzene (SPCC)	3.0941	3.1615	3.5018	3.8323	3.4546	3.4089	OK	7.7648	
49	1,1,1,2-Tetrachloroethane	1.3950	1.4605	1.6179	1.8320	1.5665	1.5744		9.5683	
50	Ethylbenzene (CCC)	4.9120	5.1770	5.6788	6.4659	5.8880	5.6243		9.7001	OK
51	m,p-Xylene	1.6800	1.7383	1.9184	2.0547	1.8180	1.8419		7.2280	
52	o-Xylene	4.2974	4.5500	4.8699	5.4153	4.7690	4.7803		7.8139	
53	Styrene	2.3860	2.5950	3.0872	3.4416	3.2173	2.9454		13.3750	
54	Bromoform (SPCC)	1.2518	1.7509	1.9254	2.2716	2.2479	1.8895	OK	19.8253	
55	1,4-Dichlorobenzene-d4 (I.S. # 4)	0.9553	0.8876	1.0026	1.0083	1.1461	1.0000		6.4865	
56	Isopropylbenzene	2.1122	2.0207	2.3490	2.6609	2.4822	2.3250		10.1049	
57	4-Bromofluorobenzene (SURR)	0.8347	0.8816	0.9299	1.0216	0.9618	0.9259		6.9554	
58	Bromobenzene	0.8340	0.8674	1.0197	0.9705	0.9980	0.9379		7.8539	
59	1,1,2,2-Tetrachloroethane (SPCC)	0.7844	0.7212	0.8897	0.9023	0.8431	0.8281	OK	8.1653	
60	1,2,3-Trichloropropane	0.6233	0.6066	0.7546	0.7863	0.7681	0.7082		10.7469	
61	n-Propylbenzene	4.3249	4.3718	5.1870	5.3107	5.5375	4.9464		10.1346	
62	2-Chlorotoluene	0.6314	0.6106	0.6977	0.6938	0.6866	0.6640		5.4067	
63	1,4-Dichloro-2-Butene	0.0545	0.1738	0.1544	0.2295	0.2931	0.1811		43.9508	
64	4-Chlorotoluene	1.7461	1.7422	2.0345	2.1420	2.2767	1.9883		10.7428	
65	1,3,5-Trimethylbenzene	1.8222	1.7731	2.0967	2.1727	2.3774	2.0484		10.9801	
66	tert-Butylbenzene	1.3530	1.3227	1.7314	1.7639	2.0096	1.6361		16.0137	
67	1,2,4-Trimethylbenzene	0.6821	0.6697	0.8927	0.9020	1.0188	0.8331		16.3076	
68	sec-Butylbenzene	1.8197	1.8259	2.2667	2.3745	2.8144	2.2202		16.7912	
69	1,3-Dichlorobenzene	1.2188	1.2063	1.4326	1.4574	1.5909	1.3808		10.7434	
70	1,4-Dichlorobenzene	1.2683	1.2161	1.4630	1.4947	1.6785	1.4241		11.6994	
71	p-Isopropyltoluene	1.5021	1.3873	1.8343	1.9595	2.3709	1.8108		19.3062	
72	1,2-Dichlorobenzene	1.2067	1.1526	1.3859	1.3665	1.5988	1.3421		11.6696	
73	n-Butylbenzene	1.5888	1.4742	1.9404	1.8656	2.4787	1.8695		18.7018	
74	1,2-Dibromo-3-Chloropropane	0.1952	0.2009	0.2622	0.2707	0.2456	0.2349		13.2884	

8260 LLS Method
Calibration Table
7/17/95 CMJ

DATA ANALYSIS PARAMETERS

Method Name: C:\HPCHEM\1\METHODS\8260LLS.M

Percent Report Settings

Sort By: Signal

Output Destination
Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
DEMO.L	0

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination
Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination
Screen: No
Printer: Yes

File: detail.xls

Generate Report During Run Method: Yes

ATILES BY EPA METHOD 8260
Calibration Last Updated: Mon Jul 17 13:12:59 1995

Reference Window: 0.70 Minutes
Non-Reference Window: 0.70 Minutes
Correlation Window: 0.03 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) Pentafluorobenzene (ISTD TR)

Ret. Time 9.06 min., Extract & Integrate from 8.86 to 9.26 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 168.00			*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	27398527
5		40.000	26296874
3		40.000	25303751
[illegible]		40.000	23480540
[illegible]		40.000	25006998

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/kg
Curve Fit: Avg. RF

---

2) Dichlorodifluoromethane ( )

Ret. Time 1.19 min., Extract & Integrate from 0.99 to 1.39 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 85.00			*** AUTO ***
Q1 87.00	32.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	5563308
5		100.000	10145879
3		20.000	2276296
2		10.000	1118233
1		5.000	589550

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

Chloromethane (SPCC) ( )

Ret. Time 1.43 min., Extract & Integrate from 1.23 to 1.63 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	50.00			*** AUTO ***
Q1	52.00	32.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	11846746
5		100.000	19244829
3		20.000	4785400
2		10.000	2297403
1		5.000	1705303

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

4) Vinyl Chloride (CCC) ( )

Ret. Time 1.78 min., Extract & Integrate from 1.58 to 1.98 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	62.00			*** AUTO ***
Q1	64.00	31.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	8394913
5		100.000	14431207
3		20.000	3265792
2		10.000	1709798
1		5.000	737197

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

5) Bromomethane ( )

Ret. Time 2.49 min., Extract & Integrate from 2.29 to 2.69 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	94.00			*** AUTO ***
Q1	96.00	91.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	3814930
5		100.000	7929502
3		20.000	1626288
2		10.000	1074459
1		5.000	554064

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

6) Chloroethane ( )

Ret. Time 2.89 min., Extract & Integrate from 2.79 to 3.09 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	64.00			*** AUTO ***

Q1	66.00	35.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	1767137
5		100.000	3174196
3		20.000	863843
		10.000	362550
		5.000	310277

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

7) Trichlorofluoromethane ( )

Ret. Time 3.98 min., Extract & Integrate from 3.78 to 4.18 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	101.00			*** AUTO ***
Q1	103.00	58.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	18068330
5		100.000	34120348
3		20.000	7078227
2		10.000	3246998
1		5.000	1809722

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

Acrolein ( )

Ret. Time 4.15 min., Extract & Integrate from 3.95 to 4.35 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	56.00			*** AUTO ***
Q1	55.00	69.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	11865638
5		1000.000	25092603
3		200.000	4310309
2		100.000	2036194
1		50.000	998541

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

9) 1,1-Dichloroethylene (CCC) ( )

Ret. Time 4.92 min., Extract & Integrate from 4.72 to 5.12 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	61.00			*** AUTO ***
	96.00	43.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response

4	50.000	19281235
5	100.000	37303644
3	20.000	7133317
2	10.000	3326870
1	5.000	1869934

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

10) Carbon Disulfide ( )

Ret. Time 5.18 min., Extract & Integrate from 4.98 to 5.38 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	78.00			*** AUTO ***
Q1	76.00	1005.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	26856635
5		1000.000	48480175
3		200.000	10398506
2		100.000	4635745
1		50.000	2268080

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

11) Iodomethane ( )

Ret. Time 4.81 min., Extract & Integrate from 4.61 to 5.01 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	127.00			*** AUTO ***
Q1	142.00	144.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	93684955
5		1000.000	236288164
3		200.000	37771211
2		100.000	23960126
1		50.000	11081093

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

12) Acetone ( )

Ret. Time 4.47 min., Extract & Integrate from 3.47 to 5.47 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	43.00			*** AUTO ***
Q1	58.00	15.40	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	49592316
5		1000.000	112633634
3		200.000	19955783

2	100.000	9476319
1	50.000	5128433

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

Dichloromethane ( )

Ret. Time 5.34 min., Extract & Integrate from 5.14 to 5.54 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 49.00			*** AUTO ***
Q1 84.00	45.10	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	19427490
5		100.000	40588172
3		20.000	9014203
2		10.000	5052314
1		5.000	3944106

Qualifier Peak Analysis ON
Curve Fit: Quadratic

---

14) trans-1,2-Dichloroethylene ( )

Ret. Time 6.39 min., Extract & Integrate from 6.19 to 6.59 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 61.00			*** AUTO ***
96.00	50.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	17306401
5		100.000	33844006
3		20.000	5761559
2		10.000	2311637
1		5.000	1161897

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

15) Acrylonitrile ( )

Ret. Time 5.32 min., Extract & Integrate from 5.12 to 5.52 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 53.00			*** AUTO ***
Q1 52.00	88.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	34281983
5		1000.000	76386892
3		200.000	13187106
		100.000	5597392
		50.000	3057407

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

16) 1,1-Dichloroethane (SPCC) ( )

Ret. Time 6.77 min., Extract & Integrate from 6.57 to 7.27 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 63.00			*** AUTO ***
Q1 65.00	30.40	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	20266969
5		100:000	39895234
3		20.000	7851472
2		10.000	3397999
1		5.000	2124871

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

17) Vinyl Acetate ( )

Ret. Time 7.32 min., Extract & Integrate from 7.12 to 7.52 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 86.00			*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	5680885
5		1000.000	15688121
3		200.000	1804911
2		100.000	1349809
1		50.000	300506

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

18) 2,2-Dichloropropane ( )

Ret. Time 8.05 min., Extract & Integrate from 7.85 to 8.25 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 77.00			*** AUTO ***
Q1 97.00	16.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	20934408
5		100.000	46272063
3		20.000	7548024
2		10.000	4067769
1		5.000	1759393

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

19) cis-1,2-Dichloroethylene ( )

Ret. Time 7.68 min., Extract & Integrate from 7.48 to 7.98 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 61.00			*** AUTO ***
96.00	57.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	24259736
5		100.000	44407200
3		20.000	8719560
2		10.000	3638801
1		5.000	1888197

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

20) Methyl Ethyl Ketone ( )

Ret. Time 7.64 min., Extract & Integrate from 7.54 to 7.94 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 72.00			*** AUTO ***
Q1 57.00	35.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	12510626
5		1000.000	26965719
3		200.000	4898386
		100.000	1934286
		50.000	1126492

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

21) Bromochloromethane ( )

Ret. Time 7.87 min., Extract & Integrate from 7.67 to 8.07 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 130.00			*** AUTO ***
Q1 49.00	182.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	9161179
5		100.000	18444627
3		20.000	3241797
2		10.000	1429557
1		5.000	776758

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

Chloroform (CCC) ( )

Ret. Time 8.02 min., Extract & Integrate from 7.82 to 8.12 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	83.00			*** AUTO ***
Q1	85.00	65.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	29894180
5		100.000	52802570
3		20.000	11483312
2		10.000	4905666
1		5.000	2983744

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

23) 1,1,1-Trichloroethane ( )

Ret. Time 9.00 min., Extract & Integrate from 8.80 to 9.20 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	97.00			*** AUTO ***
Q1	61.00	54.60	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	28967613
5		100.000	55014913
3		20.000	10845917
2		10.000	4542983
1		5.000	2678007

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

24) Dibromofluoromethane (SURR) ( )

Ret. Time 8.19 min., Extract & Integrate from 7.99 to 8.39 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	113.00			*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	12430551
5		40.000	12993384
3		40.000	12061258
2		40.000	10676593
1		40.000	12020611

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

25) 1,4-Difluorobenzene (ISTD TR)

Ret. Time 10.15 min., Extract & Integrate from 9.95 to 10.35 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	114.00			*** AUTO ***
Q1	63.00	23.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	33699810
5		40.000	32737978
3		40.000	31259504
2		40.000	27703569
		40.000	27686506

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/kg
Curve Fit: Avg. RF

---

26) 1,1-Dichloropropene ( )

Ret. Time 9.32 min., Extract & Integrate from 9.12 to 9.52 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	75.00			*** AUTO ***
Q1	110.00	29.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	21833151
5		100.000	43137879
3		20.000	7814668
2		10.000	3150710
1		5.000	1793502

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

27) Carbon Tetrachloride ( )

Ret. Time 9.48 min., Extract & Integrate from 9.28 to 9.68 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	117.00			*** AUTO ***
Q1	119.00	96.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	25049418
5		100.000	53644829
3		20.000	8454566
2		10.000	4446139
1		5.000	1717993

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

28) Benzene ( )

Ret. Time 9.60 min., Extract & Integrate from 9.40 to 9.80 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	78.00			*** AUTO ***
Q1	77.00	25.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	51707549

5	100.000	100064389
3	20.000	19392758
2	10.000	8615495
1	5.000	4461412

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

29) 1,2-Dichloroethane ( )

Ret. Time 8.91 min., Extract & Integrate from 8.71 to 9.11 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 62.00			*** AUTO ***
Q1 98.00	4.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	26828783
5		100.000	57575052
3		20.000	9496378
2		10.000	3968054
1		5.000	2392670

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

30) Trichloroethylene ( )

Ret. Time 10.58 min., Extract & Integrate from 10.38 to 10.78 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 130.00			*** AUTO ***
Q1 95.00	96.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	17182886
5		100.000	33497634
3		20.000	6508109
2		10.000	2689585
1		5.000	1333151

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

31) 1,2-Dichloropropane (CCC) ( )

Ret. Time 10.50 min., Extract & Integrate from 10.30 to 10.70 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 63.00			*** AUTO ***
Q1 112.00	2.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	17444904
5		100.000	33056683
3		20.000	6420829
2		10.000	2856521

1	5.000	1320717

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

32) Dibromomethane ( )

Ret. Time 10.42 min., Extract & Integrate from 10.22 to 10.62 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 174.00			*** AUTO ***
Q1 93.00	71.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	18544384
5		100.000	35365725
3		20.000	6792206
2		10.000	2933288
1		5.000	1385523

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

33) Dichlorobromomethane ( )

Ret. Time 10.65 min., Extract & Integrate from 10.45 to 10.85 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 83.00			*** AUTO ***
Q1 85.00	64.20	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	28225071
5		100.000	55467585
3		20.000	9770234
2		10.000	4535943
1		5.000	2058823

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

34) 2-Chloroethyl Vinyl Ether ( )

Ret. Time 11.52 min., Extract & Integrate from 11.32 to 11.72 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 63.00			*** AUTO ***
Q1 106.00	17.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	9756479
5		1000.000	33729830
3		200.000	2238674
2		100.000	1056294
1		50.000	401835

Qualifier Peak Analysis ON

Curve Fit: Quadratic, forced through origin

---

35) trans-1,3-Dichloropropene ( )

Ret. Time 12.41 min., Extract & Integrate from 12.21 to 12.61 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 75.00			*** AUTO ***
Q1 110.00	17.60	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	23012285
5		100.000	54163229
3		20.000	6663403
2		10.000	3599103
1		5.000	1072126

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

36) 4-Methyl-2-Pentanone ( )

Ret. Time 12.01 min., Extract & Integrate from 11.51 to 12.51 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 43.00			*** AUTO ***
Q1 58.00	30.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	228173716
5		1000.000	310540805
3		200.000	95356610
2		100.000	39593367
1		50.000	18203858

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

37) Toluene-d8 (SURR) ( )

Ret. Time 12.72 min., Extract & Integrate from 12.52 to 12.92 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 98.00			*** AUTO ***
Q1 100.00	67.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	40097018
5		40.000	34551691
3		40.000	38247067
2		40.000	35693870
1		40.000	34858076

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

38) Toluene (CCC) ( )

Ret. Time 12.82 min., Extract & Integrate from 12.62 to 13.02 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	91.00			*** AUTO ***
Q1	92.00	58.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	62928705
5		100.000	107441094
3		20.000	23656860
2		10.000	10535755
1		5.000	4998551

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

39) cis-1,3-Dichloropropene ( )

Ret. Time 11.70 min., Extract & Integrate from 11.50 to 11.90 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	75.00			*** AUTO ***
Q1	110.00	17.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	24888487
5		100.000	56054766
3		20.000	7972796
2		10.000	4113747
1		5.000	1424429

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

40) Ethyl Methacrylate ( )

Ret. Time 13.28 min., Extract & Integrate from 13.08 to 13.48 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	99.00			*** AUTO ***
Q1	69.00	432.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	45617617
5		1000.000	75551674
3		200.000	18508198
2		100.000	8193707
1		50.000	3620882

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

41) 1,1,2-Trichloroethane ( )

Ret. Time 12.55 min., Extract & Integrate from 12.35 to 12.75 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	97.00			*** AUTO ***
Q1	83.00	88.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	16259976
5		100.000	29700141
3		20.000	6083469
2		10.000	2721415
1		5.000	1297177

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

42) Chlorobenzene-d5 (ISTD TR)

Ret. Time 14.90 min., Extract & Integrate from 14.70 to 15.10 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	54.00			*** AUTO ***
Q1	82.00	210.20	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	11125280
5		40.000	9835563
3		40.000	10090150
2		40.000	9428714
1		40.000	9316341

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/kg
Curve Fit: Avg. RF

---

43) Tetrachloroethylene ( )

Ret. Time 13.89 min., Extract & Integrate from 13.69 to 14.09 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	166.00			*** AUTO ***
Q1	129.00	51.10	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	34171882
5		100.000	55244967
3		20.000	12077510
2		10.000	5147092
1		5.000	2801846

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

44) 1,3-Dichloropropane ( )

Ret. Time 12.93 min., Extract & Integrate from 12.73 to 13.13 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	76.00			*** AUTO ***

Q1	78.00	30.60	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	25356213
5		100.000	45371361
3		20.000	9435651
2		10.000	3642653
1		5.000	1564690

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

45) 2-Hexanone ( )

Ret. Time 13.37 min., Extract & Integrate from 13.17 to 13.57 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	43.00			*** AUTO ***
Q1	58.00	37.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	171066251
5		1000.000	273091957
3		200.000	62958158
2		100.000	26566254
1		50.000	12754359

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

Dibromochloromethane ( )

Ret. Time 13.21 min., Extract & Integrate from 13.01 to 13.41 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	129.00			*** AUTO ***
Q1	127.00	79.10	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	24827152
5		100.000	44387561
3		20.000	8720721
2		10.000	3756943
1		5.000	1508082

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

47) 1,2-Dibromoethane ( )

Ret. Time 13.55 min., Extract & Integrate from 13.35 to 13.75 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	107.00			*** AUTO ***
Q1	109.00	98.20	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response

4	50.000	17854211
5	100.000	34988961
3	20.000	6245856
2	10.000	2873453
1	5.000	1249365

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

48) Chlorobenzene (SPCC) ( )

Ret. Time 14.95 min., Extract & Integrate from 14.75 to 15.15 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 112.00			*** AUTO ***
Q1 77.00	66.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	47708427
5		100.000	86013517
3		20.000	17437541
2		10.000	7871446
1		5.000	3851853

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

49) 1,1,1,2-Tetrachloroethane ( )

Ret. Time 14.85 min., Extract & Integrate from 14.65 to 15.05 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 131.00			*** AUTO ***
Q1 133.00	98.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	22806023
5		100.000	39002945
3		20.000	8056287
2		10.000	3636326
1		5.000	1736586

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

50) Ethylbenzene (CCC) ( )

Ret. Time 15.37 min., Extract & Integrate from 15.17 to 15.57 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 91.00			*** AUTO ***
Q1 106.00	26.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	80494521
5		100.000	146598744
3		20.000	28278044

2	10.000	12889733
1	5.000	6115005

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

m,p-Xylene ( )

Ret. Time 15.72 min., Extract & Integrate from 15.52 to 15.92 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 106.00			*** AUTO ***
Q1 91.00	254.40	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		100.000	51157730
5		200.000	90529111
3		40.000	19105303
2		20.000	8656224
1		10.000	4182970

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

52) o-Xylene ( )

Ret. Time 16.33 min., Extract & Integrate from 16.13 to 16.53 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 91.00			*** AUTO ***
106.00	37.60	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	67415198
5		100.000	118739428
3		20.000	24250104
2		10.000	11328702
1		5.000	5349800

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

53) Styrene ( )

Ret. Time 16.22 min., Extract & Integrate from 16.02 to 16.42 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 104.00			*** AUTO ***
Q1 78.00	58.00	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	42844694
5		100.000	80104074
3		20.000	15372797
		10.000	6461009
		5.000	2970318

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

54) Bromoform (SPCC) ( )

Ret. Time 15.66 min., Extract & Integrate from 15.46 to 15.86 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 173.00			*** AUTO ***
Q1 175.00	48.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	28279487
5		100.000	55969310
3		20.000	9587683
2		10.000	4359492
1		5.000	1558368

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

55) 1,4-Dichlorobenzene-d4 (ISTD TR)

Ret. Time 19.18 min., Extract & Integrate from 18.98 to 19.38 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 152.00			*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	20632803
5		40.000	23451896
3		40.000	20516551
2		40.000	18166088
1		40.000	19547778

Qualifier Peak Analysis ON ISTD conc: 40.000 ug/kg
Curve Fit: Avg. RF

---

56) Isopropylbenzene ( )

Ret. Time 16.97 min., Extract & Integrate from 16.77 to 17.17 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 105.00			*** AUTO ***
Q1 120.00	24.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	68062221
5		100.000	126981923
3		20.000	24034290
2		10.000	10337337
1		5.000	5402806

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

57) 4-Bromofluorobenzene (SURR) ( )

Ret. Time 16.94 min., Extract & Integrate from 16.74 to 17.14 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 95.00			*** AUTO ***
174.00	121.90	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		40.000	20905046
5		40.000	19680374
3		40.000	19028283
2		40.000	18040881
1		40.000	17080414

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

58) Bromobenzene ( )

Ret. Time 17.19 min., Extract & Integrate from 16.99 to 17.39 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 158.00			*** AUTO ***
Q1 77.00	131.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	24824843
5		100.000	51055356
3		20.000	10432652
2		10.000	4437390
1		5.000	2133220

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

59) 1,1,2,2-Tetrachloroethane (SPCC) ( )

Ret. Time 16.32 min., Extract & Integrate from 16.12 to 16.52 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 83.00			*** AUTO ***
Q1 85.00	64.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	23078557
5		100.000	43129019
3		20.000	9103068
2		10.000	3689352
1		5.000	2006392

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

1,2,3-Trichloropropane ( )

Ret. Time 16.54 min., Extract & Integrate from 16.34 to 16.74 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	75.00			*** AUTO ***
Q1	77.00	32.20	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	20112299
5		100.000	39293856
3		20.000	7720447
2		10.000	3113546
1		5.000	1594314

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

61) n-Propylbenzene ( )

Ret. Time 17.71 min., Extract & Integrate from 17.51 to 17.91 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	91.00			*** AUTO ***
Q1	120.00	12.40	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	135842036
5		100.000	283284749
3		20.000	53070730
2		10.000	22364927
1		5.000	11062535

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

62) 2-Chlorotoluene ( )

Ret. Time 17.75 min., Extract & Integrate from 17.55 to 17.95 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	126.00			*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	17747419
5		100.000	35124964
3		20.000	7138356
2		10.000	3123774
1		5.000	1615161

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

63) 1,4-Dichloro-2-Butene ( )

Ret. Time 16.72 min., Extract & Integrate from 16.52 to 16.92 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	75.00			*** AUTO ***
Q1	53.00	86.80	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		500.000	58695209
5		1000.000	149953999
3		200.000	15798628
2		100.000	8889049
1		50.000	1394661

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

64) 4-Chlorotoluene ( )

Ret. Time 17.90 min., Extract & Integrate from 17.40 to 18.40 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 91.00			*** AUTO ***
Q1 126.00	32.30	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	54789981
5		100.000	116468851
3		20.000	20815665
2		10.000	8912846
1		5.000	4466320

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

65) 1,3,5-Trimethylbenzene ( )

Ret. Time 18.29 min., Extract & Integrate from 18.09 to 18.49 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 105.00			*** AUTO ***
Q1 120.00	47.70	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	55575950
5		100.000	121620106
3		20.000	21452198
2		10.000	9070751
1		5.000	4661081

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

66) tert-Butylbenzene ( )

Ret. Time 18.68 min., Extract & Integrate from 18.48 to 18.88 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 119.00			*** AUTO ***
Q1 91.00	83.50	20.0	*** AUTO ***

Lvl	ID	Conc (ug/kg)	Response
4		50.000	45117612

	100.000	102807212
	20.000	17714505
	10.000	6766860
	5.000	3460898

ualifier Peak Analysis ON
urve Fit: Quadratic, forced through origin

---

7) 1,2,4-Trimethylbenzene ( )

et. Time 18.95 min., Extract & Integrate from 18.75 to 19.15 min.

ignal	Rel Resp.	Pct. Unc.(rel)	Integration
gt 120.00			*** AUTO ***
1 105.00	228.10	20.0	*** AUTO ***

vl ID	Conc (ug/kg)	Response
	50.000	23072366
	100.000	52117398
	20.000	9133677
	10.000	3426105
	5.000	1744640

ualifier Peak Analysis ON
urve Fit: Quadratic, forced through origin

---

8) sec-Butylbenzene ( )

et. Time 19.10 min., Extract & Integrate from 19.01 to 19.30 min.

ignal	Rel Resp.	Pct. Unc.(abs)	Integration
gt 105.00			*** AUTO ***
1 134.00	18.50	20.0	*** AUTO ***

vl ID	Conc (ug/kg)	Response
	50.000	60736044
	100.000	143976426
	20.000	23191923
	10.000	9340754
	5.000	4654525

ualifier Peak Analysis ON
urve Fit: Quadratic, forced through origin

---

9) 1,3-Dichlorobenzene ( )

et. Time 19.08 min., Extract & Integrate from 18.98 to 19.18 min.

ignal	Rel Resp.	Pct. Unc.(abs)	Integration
gt 146.00			*** AUTO ***
1 148.00	66.50	20.0	*** AUTO ***

vl ID	Conc (ug/kg)	Response
	50.000	37277782
	100.000	81384543
	20.000	14657284
	10.000	6171120

Curve Fit: Quadratic, forced through origin

---

73) n-Butylbenzene ( )

Ret. Time 20.24 min., Extract & Integrate from 20.04 to 20.44 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	91.00			DBC.E
Q1	134.00	23.90	20.0	DBC.E

Lvl	ID	Conc (ug/kg)	Response
4		50.000	47718579
5		100.000	126806767
3		20.000	19852814
2		10.000	7541864
1		5.000	4064032

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

---

74) 1,2-Dibromo-3-Chloropropane ( )

Ret. Time 20.60 min., Extract & Integrate from 20.40 to 20.80 min.

Signal		Rel Resp.	Pct. Unc.(abs)	Integration
Tgt	157.00			DBC.E
Q1	75.00	73.20	20.0	DBC.E

Lvl	ID	Conc (ug/kg)	Response
		50.000	6923800
		100.000	12563220
3		20.000	2682908
2		10.000	1027905
1		5.000	499254

Qualifier Peak Analysis ON
Curve Fit: Quadratic, forced through origin

END OF DATA ANALYSIS PARAMETERS

Mon Jul 17 13:18:33 1995

LOW LEVEL SOIL METHOD (G+M PROJECT)

METHOD 8260 SURROGATE RECOVERIES

DATE : 7/17/95

Sample Number	Dibromofluoromethane Surr #1 True Value =40.0 PPB	% RECOVERY	Toluene-d8 Surr #2 True Value =40.0 PPB	% RECOVERY	4-bromofluorobenzene Surr #3 True Value =40.0 PPB	% RECOVERY
7/17/95 LIMITS	85.51	118.55	82.63	111.93	74.00	121.00
PPB	34.20	47.42	33.05	44.77	29.60	48.46
BLANK	40.02	✓	40.65	✓	40.01	✓
L1 STD	42.38	✓	40.71	✓	39.99	✓
L2 STD	40.09	✓	41.66	✓	36.27	✓
L3 STD	42.03	✓	37.56	✓	33.87	✓
L4 STD	40.00	✓	33.47	✓	37.00	✓
L5 STD	43.56	✓	34.12	✓	30.65	✓

Volatile Organics by EPA Method 8260

File Name	L1STD.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 9:56
Method	8260LLS
Misc Info	LEVEL 1 STANDARD 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name		Area	Amount	Units	Peak type
1	9.073	168.00	Pentafluorobenzene		25006998	40.00	ug/kg	*ISTD
2	1.189	85.00	Dichlorodifluoromethane		589549	4.34	ug/kg	
3	1.426	50.00	Chloromethane (SPCC)		1705302	5.17	ug/kg	
4	1.779	62.00	Vinyl Chloride (CCC)		737196	5.76	ug/kg	
5	2.486	94.00	Bromomethane		554064	4.43	ug/kg	
6	2.878	64.00	Chloroethane		310276	5.66	ug/kg	
7	3.986	101.00	Trichlorofluoromethane		1809721	5.58	ug/kg	
8	4.158	56.00	Acrolein		998541	63.56	ug/kg	
9	4.929	61.00	1,1-Dichloroethylene (CCC)		1869933	6.18	ug/kg	
10	5.188	78.00	Carbon Disulfide		2268079	55.30	ug/kg	
11	4.809	127.00	Iodomethane		11081092	61.41	ug/kg	
12	4.505	43.00	Acetone		5128433	62.28	ug/kg	
13	5.331	49.00	Dichloromethane		3944106	9.88	ug/kg	
14	6.403	61.00	trans-1,2-Dichloroethylene		1161897	5.04	ug/kg	
15	5.330	53.00	Acrylonitrile		3057407	61.01	ug/kg	
16	6.788	63.00	1,1-Dichloroethane (SPCC)		2124871	6.13	ug/kg	
17	7.339	86.00	Vinyl Acetate		300505	38.00	ug/kg	
18	8.064	77.00	2,2-Dichloropropane		1759393	4.41	ug/kg	
19	7.685	61.00	cis-1,2-Dichloroethylene		1888197	4.94	ug/kg	
20	7.664	72.00	Methyl Ethyl Ketone		1126492	60.99	ug/kg	

21	7.886	130.00	Bromochloromethane		776758	4.98	ug/kg	
22	8.025	83.00	Chloroform (CCC)		2983744	5.96	ug/kg	
23	9.008	97.00	1,1,1-Trichloroethane		2678006	5.40	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		12020611	42.38	ug/kg	
25	10.159	114.00	1,4-Difluorobenzene		27686505	40.00	ug/kg	ISTD
26	9.327	75.00	1,1-Dichloropropene		1793501	5.83	ug/kg	
27	9.489	117.00	Carbon Tetrachloride		1717993	3.91	ug/kg	
28	9.600	78.00	Benzene		4461412	5.71	ug/kg	
29	8.917	62.00	1,2-Dichloroethane		2392670	5.65	ug/kg	
30	10.595	130.00	Trichloroethylene		1333150	4.97	ug/kg	
31	10.503	63.00	1,2-Dichloropropane (CCC)		1320717	4.79	ug/kg	
32	10.425	174.00	Dibromomethane		1385523	4.46	ug/kg	
33	10.659	83.00	Dichlorobromomethane		2058823	4.63	ug/kg	
34	11.534	63.00	2-Chloroethyl Vinyl Ether		401834	6.26	ug/kg	
35	12.416	75.00	trans-1,3-Dichloropropene		1072125	3.25	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		18203857	42.22	ug/kg	
37	12.727	98.00	Toluene-d8 (SURR)		34858075	40.71	ug/kg	
38	12.828	91.00	Toluene (CCC)		4998551	5.10	ug/kg	
39	11.716	75.00	cis-1,3-Dichloropropene		1424428	4.14	ug/kg	
40	13.276	99.00	Ethyl Methacrylate		3620881	46.75	ug/kg	
41	12.559	97.00	1,1,2-Trichloroethane		1297176	5.02	ug/kg	
42	14.906	54.00	Chlorobenzene-d5		9316340	40.00	ug/kg	ISTD
43	13.896	166.00	Tetrachloroethylene		2801846	4.98	ug/kg	
44	12.934	76.00	1,3-Dichloropropane		1564690	3.73	ug/kg	
45	13.368	43.00	2-Hexanone		12754359	46.90	ug/kg	
46	13.213	129.00	Dibromochloromethane		1508082	4.05	ug/kg	
47	13.557	107.00	1,2-Dibromoethane		1249364	4.47	ug/kg	
48	14.958	112.00	Chlorobenzene (SPCC)		3851852	5.25	ug/kg	

49	14.857	131.00	1,1,1,2-Tetrachloroethane		1736586	5.10	ug/kg	
50	15.376	91.00	Ethylbenzene (CCC)		6115004	5.28	ug/kg	
51	15.735	106.00	m,p-Xylene		4182969	10.40	ug/kg	
52	16.339	91.00	o-Xylene		5349799	5.20	ug/kg	
53	16.231	104.00	Styrene		2970317	4.90	ug/kg	
54	15.667	173.00	Bromoform (SPCC)		1558367	4.03	ug/kg	
55	19.190	152.00	1,4-Dichlorobenzene-d4		19547777	40.00	ug/kg	ISTD
56	16.977	105.00	Isopropylbenzene		5402806	5.15	ug/kg	
57	16.946	95.00	4-Bromofluorobenzene (SURR)		17080413	39.99	ug/kg	
58	17.191	158.00	Bromobenzene		2133219	4.86	ug/kg	
59	16.325	83.00	1,1,2,2-Tetrachloroethane (SPCC)		2006391	5.96	ug/kg	
60	16.551	75.00	1,2,3-Trichloropropane		1594313	5.69	ug/kg	
61	17.718	91.00	n-Propylbenzene		11062535	4.74	ug/kg	
62	17.755	126.00	2-Chlorotoluene		1615160	4.87	ug/kg	
63	16.721	75.00	1,4-Dichloro-2-Butene		1394660	19.14	ug/kg	
64	17.911	91.00	4-Chlorotoluene		4466319	5.20	ug/kg	
65	18.299	105.00	1,3,5-Trimethylbenzene		4661081	4.98	ug/kg	
66	18.692	119.00	tert-Butylbenzene		3460897	4.63	ug/kg	
67	18.957	120.00	1,2,4-Trimethylbenzene		1744639	4.43	ug/kg	
68	19.111	105.00	sec-Butylbenzene		4654524	4.69	ug/kg	
69	19.085	146.00	1,3-Dichlorobenzene		3112337	4.57	ug/kg	
70	19.241	146.00	1,4-Dichlorobenzene		3244051	4.76	ug/kg	
71	19.560	119.00	p-Isopropyltoluene		3842159	5.10	ug/kg	
72	19.861	146.00	1,2-Dichlorobenzene		3086605	5.07	ug/kg	
73	20.249	91.00	n-Butylbenzene		4064032	5.00	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		499254	4.24	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L1STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:56 am using AcqMethod 8260LLS
Sample Name: LEVEL 1 STANDARD
Misc Info : LEVEL 1 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	4.3 ug/kg	
3	Chloromethane (SPCC)	1.43	5.2 ug/kg	
4	Vinyl Chloride (CCC)	1.78	5.8 ug/kg	
5	Bromomethane	2.49	4.4 ug/kg	#
6	Chloroethane	2.88	5.7 ug/kg	
7	Trichlorofluoromethane	3.99	5.6 ug/kg	
8	Acrolein	4.16	63.6 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.93	6.2 ug/kg	
10	Carbon Disulfide	5.19	55.3 ug/kg	#
11	Iodomethane	4.81	61.4 ug/kg	
12	Acetone	4.50	62.3 ug/kg	
13	Dichloromethane	5.33	9.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.40	5.0 ug/kg	
15	Acrylonitrile	5.33	61.0 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.79	6.1 ug/kg	
17	Vinyl Acetate	7.34	38.0 ug/kg	
18	2,2-Dichloropropane	8.06	4.4 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	4.9 ug/kg	
20	Methyl Ethyl Ketone	7.66	61.0 ug/kg	
21	Bromochloromethane	7.89	5.0 ug/kg	
22	Chloroform (CCC)	8.02	6.0 ug/kg	
23	1,1,1-Trichloroethane	9.01	5.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	42.4 ug/kg	
25	1,4-Difluorobenzene	10.16	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.33	5.8 ug/kg	

000667

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L1STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:56 am using AcqMethod 8260LLS
Sample Name: LEVEL 1 STANDARD
Misc Info : LEVEL 1 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	3.9 ug/kg	
28	Benzene	9.60	5.7 ug/kg	
29	1,2-Dichloroethane	8.92	5.6 ug/kg	#
30	Trichloroethylene	10.59	5.0 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	4.8 ug/kg	
32	Dibromomethane	10.42	4.5 ug/kg	#
33	Dichlorobromomethane	10.66	4.6 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.53	6.3 ug/kg	
35	trans-1,3-Dichloropropene	12.42	3.3 ug/kg	
36	4-Methyl-2-Pentanone	12.01	42.2 ug/kg	
37	Toluene-d8 (SURR)	12.73	40.7 ug/kg	
38	Toluene (CCC)	12.83	5.1 ug/kg	
39	cis-1,3-Dichloropropene	11.72	4.1 ug/kg	
40	Ethyl Methacrylate	13.28	46.7 ug/kg	
41	1,1,2-Trichloroethane	12.56	5.0 ug/kg	
42	Chlorobenzene-d5	14.91	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.90	5.0 ug/kg	
44	1,3-Dichloropropane	12.93	3.7 ug/kg	
45	2-Hexanone	13.37	46.9 ug/kg	
46	Dibromochloromethane	13.21	4.0 ug/kg	
47	1,2-Dibromoethane	13.56	4.5 ug/kg	
48	Chlorobenzene (SPCC)	14.96	5.3 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	5.1 ug/kg	
50	Ethylbenzene (CCC)	15.38	5.3 ug/kg	
51	m,p-Xylene	15.73	10.4 ug/kg	
52	o-Xylene	16.34	5.2 ug/kg	
53	Styrene	16.23	4.9 ug/kg	
54	Bromoform (SPCC)	15.67	4.0 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.98	5.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	40.0 ug/kg	
58	Bromobenzene	17.19	4.9 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	6.0 ug/kg	
60	1,2,3-Trichloropropane	16.55	5.7 ug/kg	
61	n-Propylbenzene	17.72	4.7 ug/kg	
62	2-Chlorotoluene	17.76	4.9 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	19.1 ug/kg	

000668

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L1STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 9:56 am using AcqMethod 8260LLS
Sample Name: LEVEL 1 STANDARD
Misc Info : LEVEL 1 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	5.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	5.0 ug/kg	
66	tert-Butylbenzene	18.69	4.6 ug/kg	
67	1,2,4-Trimethylbenzene	18.96	4.4 ug/kg	
68	sec-Butylbenzene	19.11	4.7 ug/kg	
69	1,3-Dichlorobenzene	19.09	4.6 ug/kg	
70	1,4-Dichlorobenzene	19.24	4.8 ug/kg	
71	p-Isopropyltoluene	19.56	5.1 ug/kg	
72	1,2-Dichlorobenzene	19.86	5.1 ug/kg	
73	n-Butylbenzene	20.25	5.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	4.2 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L2STD.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 10:36
Method	8260LLS
Misc Info	LEVEL 2 STANDARD 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	23480539	40.00	ug/kg	*ISTD
2	1.176	85.00	Dichlorodifluoromethane	1118232	8.77	ug/kg	
3	1.419	50.00	Chloromethane (SPCC)	2297402	7.43	ug/kg	
4	1.774	62.00	Vinyl Chloride (CCC)	1709798	14.13	ug/kg	
5	2.484	94.00	Bromomethane	1074459	9.06	ug/kg	
6	2.884	64.00	Chloroethane	362550	7.05	ug/kg	
7	3.981	101.00	Trichlorofluoromethane	3246998	10.66	ug/kg	
8	4.143	56.00	Acrolein	2036194	137.81	ug/kg	
9	4.923	61.00	1,1-Dichloroethylene (CCC)	3326870	11.73	ug/kg	
10	5.182	78.00	Carbon Disulfide	4635744	118.88	ug/kg	
11	4.803	127.00	Iodomethane	23960126	140.68	ug/kg	
12	4.454	43.00	Acetone	9476318	122.79	ug/kg	
13	5.328	49.00	Dichloromethane	5052314	13.59	ug/kg	
14	6.392	61.00	trans-1,2-Dichloroethylene	2311636	10.73	ug/kg	
15	5.311	53.00	Acrylonitrile	5597391	116.64	ug/kg	
16	6.782	63.00	1,1-Dichloroethane (SPCC)	3397998	10.42	ug/kg	
17	7.322	86.00	Vinyl Acetate	1349809	184.12	ug/kg	
18	8.059	77.00	2,2-Dichloropropane	4067768	10.81	ug/kg	
19	7.675	61.00	cis-1,2-Dichloroethylene	3638800	10.09	ug/kg	
20	7.639	72.00	Methyl Ethyl Ketone	1934286	110.45	ug/kg	

21	7.875	130.00	Bromochloromethane		1429557	9.77	ug/kg	
22	8.019	83.00	Chloroform (CCC)		4905665	10.41	ug/kg	
23	8.999	97.00	1,1,1-Trichloroethane		4542983	9.74	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		10676593	40.09	ug/kg	
25	10.152	114.00	1,4-Difluorobenzene		27703569	40.00	ug/kg	ISTD
26	9.322	75.00	1,1-Dichloropropene		3150710	10.13	ug/kg	
27	9.490	117.00	Carbon Tetrachloride		4446139	10.08	ug/kg	
28	9.600	78.00	Benzene		8615495	10.94	ug/kg	
29	8.914	62.00	1,2-Dichloroethane		3968053	9.28	ug/kg	
30	10.585	130.00	Trichloroethylene		2689585	10.01	ug/kg	
31	10.498	63.00	1,2-Dichloropropane (CCC)		2856520	10.30	ug/kg	
32	10.420	174.00	Dibromomethane		2933288	9.50	ug/kg	
33	10.651	83.00	Dichlorobromomethane		4535942	10.11	ug/kg	
34	11.525	63.00	2-Chloroethyl Vinyl Ether		1056294	16.42	ug/kg	
35	12.410	75.00	trans-1,3-Dichloropropene		3599103	10.76	ug/kg	
36	12.004	43.00	4-Methyl-2-Pentanone		39593366	92.71	ug/kg	
37	12.724	98.00	Toluene-d8 (SURR)		35693869	41.66	ug/kg	
38	12.825	91.00	Toluene (CCC)		10535755	10.69	ug/kg	
39	11.703	75.00	cis-1,3-Dichloropropene		4113747	11.67	ug/kg	
40	13.273	99.00	Ethyl Methacrylate		8193707	106.41	ug/kg	
41	12.562	97.00	1,1,2-Trichloroethane		2721415	10.47	ug/kg	
42	14.901	54.00	Chlorobenzene-d5		9428713	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene		5147091	9.09	ug/kg	
44	12.932	76.00	1,3-Dichloropropane		3642652	8.54	ug/kg	
45	13.360	43.00	2-Hexanone		26566254	96.46	ug/kg	
46	13.210	129.00	Dibromochloromethane		3756942	9.88	ug/kg	
47	13.550	107.00	1,2-Dibromoethane		2873453	10.04	ug/kg	
48	14.951	112.00	Chlorobenzene (SPCC)		7871445	10.54	ug/kg	

49	14.858	131.00	1,1,1,2-Tetrachloroethane		3636326	10.48	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		12889733	10.92	ug/kg	
51	15.727	106.00	m,p-Xylene		8656223	21.17	ug/kg	
52	16.332	91.00	o-Xylene		11328701	10.80	ug/kg	
53	16.228	104.00	Styrene		6461008	10.37	ug/kg	
54	15.662	173.00	Bromoform (SPCC)		4359491	10.95	ug/kg	
55	19.187	152.00	1,4-Dichlorobenzene-d4		18166088	40.00	ug/kg	ISTD
56	16.970	105.00	Isopropylbenzene		10337336	10.52	ug/kg	
57	16.943	95.00	4-Bromofluorobenzene (SURR)		18040881	36.27	ug/kg	
58	17.189	158.00	Bromobenzene		4437390	10.84	ug/kg	
59	16.320	83.00	1,1,2,2-Tetrachloroethane (SPCC)		3689352	11.61	ug/kg	
60	16.543	75.00	1,2,3-Trichloropropane		3113545	11.66	ug/kg	
61	17.711	91.00	n-Propylbenzene		22364926	10.32	ug/kg	
62	17.755	126.00	2-Chlorotoluene		3123774	10.13	ug/kg	
63	16.714	75.00	1,4-Dichloro-2-Butene		8889048	119.19	ug/kg	
64	17.906	91.00	4-Chlorotoluene		8912845	10.95	ug/kg	
65	18.296	105.00	1,3,5-Trimethylbenzene		9070751	10.29	ug/kg	
66	18.688	119.00	tert-Butylbenzene		6766860	9.59	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene		3426104	9.23	ug/kg	
68	19.109	105.00	sec-Butylbenzene		9340753	9.92	ug/kg	
69	19.084	146.00	1,3-Dichlorobenzene		6171119	9.69	ug/kg	
70	19.237	146.00	1,4-Dichlorobenzene		6221040	9.77	ug/kg	
71	19.556	119.00	p-Isopropyltoluene		7096886	9.85	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene		5896452	10.29	ug/kg	
73	20.244	91.00	n-Butylbenzene		7541864	9.76	ug/kg	
74	20.598	157.00	1,2-Dibromo-3-Chloropropane		1027905	9.30	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L2STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 10:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 2 STANDARD
Misc Info : LEVEL 2 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	8.8 ug/kg	
3	Chloromethane (SPCC)	1.42	7.4 ug/kg	
4	Vinyl Chloride (CCC)	1.77	14.1 ug/kg	
5	Bromomethane	2.48	9.1 ug/kg	
6	Chloroethane	2.88	7.1 ug/kg	#
7	Trichlorofluoromethane	3.98	10.7 ug/kg	
8	Acrolein	4.14	137.8 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	11.7 ug/kg	
10	Carbon Disulfide	5.18	118.9 ug/kg	#
11	Iodomethane	4.80	140.7 ug/kg	
12	Acetone	4.45	122.8 ug/kg	
13	Dichloromethane	5.33	13.6 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	10.7 ug/kg	
15	Acrylonitrile	5.31	116.6 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	10.4 ug/kg	
17	Vinyl Acetate	7.32	184.1 ug/kg	
18	2,2-Dichloropropane	8.06	10.8 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	10.1 ug/kg	
20	Methyl Ethyl Ketone	7.64	110.4 ug/kg	
21	Bromochloromethane	7.88	9.8 ug/kg	
22	Chloroform (CCC)	8.02	10.4 ug/kg	
23	1,1,1-Trichloroethane	9.00	9.7 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	40.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	10.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L2STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 10:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 2 STANDARD
Misc Info : LEVEL 2 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	10.1 ug/kg	
28	Benzene	9.60	10.9 ug/kg	
29	1,2-Dichloroethane	8.91	9.3 ug/kg	
30	Trichloroethylene	10.58	10.0 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	10.3 ug/kg	
32	Dibromomethane	10.42	9.5 ug/kg	
33	Dichlorobromomethane	10.65	10.1 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	16.4 ug/kg	
35	trans-1,3-Dichloropropene	12.41	10.8 ug/kg	
36	4-Methyl-2-Pentanone	12.00	92.7 ug/kg	
37	Toluene-d8 (SURR)	12.72	41.7 ug/kg	
38	Toluene (CCC)	12.83	10.7 ug/kg	
39	cis-1,3-Dichloropropene	11.70	11.7 ug/kg	
40	Ethyl Methacrylate	13.27	106.4 ug/kg	
41	1,1,2-Trichloroethane	12.56	10.5 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	9.1 ug/kg	
44	1,3-Dichloropropane	12.93	8.5 ug/kg	
45	2-Hexanone	13.36	96.5 ug/kg	
46	Dibromochloromethane	13.21	9.9 ug/kg	
47	1,2-Dibromoethane	13.55	10.0 ug/kg	
48	Chlorobenzene (SPCC)	14.95	10.5 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	10.5 ug/kg	
50	Ethylbenzene (CCC)	15.37	10.9 ug/kg	
51	m,p-Xylene	15.73	21.2 ug/kg	
52	o-Xylene	16.33	10.8 ug/kg	
53	Styrene	16.23	10.4 ug/kg	
54	Bromoform (SPCC)	15.66	11.0 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	10.5 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	36.3 ug/kg	
58	Bromobenzene	17.19	10.8 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	11.6 ug/kg	
60	1,2,3-Trichloropropane	16.54	11.7 ug/kg	
61	n-Propylbenzene	17.71	10.3 ug/kg	
62	2-Chlorotoluene	17.75	10.1 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	119.2 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L2STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 10:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 2 STANDARD
Misc Info : LEVEL 2 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	11.0 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	10.3 ug/kg	
66	tert-Butylbenzene	18.69	9.6 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	9.2 ug/kg	
68	sec-Butylbenzene	19.11	9.9 ug/kg	
69	1,3-Dichlorobenzene	19.08	9.7 ug/kg	
70	1,4-Dichlorobenzene	19.24	9.8 ug/kg	
71	p-Isopropyltoluene	19.56	9.8 ug/kg	
72	1,2-Dichlorobenzene	19.85	10.3 ug/kg	
73	n-Butylbenzene	20.24	9.8 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	9.3 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L3STD.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 11:18
Method	8260LLS
Misc Info	LEVEL 3 STANDARD 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.065	168.00	Pentafluorobenzene	25303750	40.00	ug/kg	*ISTD
2	1.195	85.00	Dichlorodifluoromethane	2276295	16.54	ug/kg	
3	1.431	50.00	Chloromethane (SPCC)	4785399	14.44	ug/kg	
4	1.782	62.00	Vinyl Chloride (CCC)	3265791	24.83	ug/kg	
5	2.489	94.00	Bromomethane	1626288	12.63	ug/kg	
6	2.875	64.00	Chloroethane	863842	15.60	ug/kg	
7	3.974	101.00	Trichlorofluoromethane	7078227	21.57	ug/kg	
8	4.141	56.00	Acrolein	4310308	269.90	ug/kg	
9	4.921	61.00	1,1-Dichloroethylene (CCC)	7133317	23.44	ug/kg	
10	5.180	78.00	Carbon Disulfide	10398506	241.69	ug/kg	
11	4.806	127.00	Iodomethane	37771211	204.92	ug/kg	
12	4.455	43.00	Acetone	19955782	240.80	ug/kg	
13	5.332	49.00	Dichloromethane	9014203	23.00	ug/kg	
14	6.391	61.00	trans-1,2-Dichloroethylene	5761558	25.13	ug/kg	
15	5.311	53.00	Acrylonitrile	13187105	244.10	ug/kg	
16	6.775	63.00	1,1-Dichloroethane (SPCC)	7851471	22.25	ug/kg	
17	7.316	86.00	Vinyl Acetate	1804910	229.38	ug/kg	
18	8.049	77.00	2,2-Dichloropropane	7548024	18.54	ug/kg	
19	7.675	61.00	cis-1,2-Dichloroethylene	8719560	22.18	ug/kg	
20	7.639	72.00	Methyl Ethyl Ketone	4898386	252.52	ug/kg	

21	7.872	130.00	Bromochloromethane		3241797	20.54	ug/kg	
22	8.017	83.00	Chloroform (CCC)		11483311	22.49	ug/kg	
23	9.002	97.00	1,1,1-Trichloroethane		10845916	21.48	ug/kg	
24	8.194	113.00	Dibromofluoromethane (SURR)		12061258	42.03	ug/kg	
25	10.151	114.00	1,4-Difluorobenzene		31259504	40.00	ug/kg	ISTD
26	9.320	75.00	1,1-Dichloropropene		7814668	21.63	ug/kg	
27	9.486	117.00	Carbon Tetrachloride		8454566	16.92	ug/kg	
28	9.597	78.00	Benzene		19392757	21.50	ug/kg	
29	8.912	62.00	1,2-Dichloroethane		9496377	19.27	ug/kg	
30	10.584	130.00	Trichloroethylene		6508108	21.43	ug/kg	
31	10.497	63.00	1,2-Dichloropropane (CCC)		6420828	20.34	ug/kg	
32	10.416	174.00	Dibromomethane		6792206	19.74	ug/kg	
33	10.650	83.00	Dichlorobromomethane		9770233	19.01	ug/kg	
34	11.521	63.00	2-Chloroethyl Vinyl Ether		2238674	30.77	ug/kg	
35	12.408	75.00	trans-1,3-Dichloropropene		6663402	17.45	ug/kg	
36	12.004	43.00	4-Methyl-2-Pentanone		95356610	202.40	ug/kg	
37	12.722	98.00	Toluene-d8 (SURR)		38247066	39.56	ug/kg	
38	12.822	91.00	Toluene (CCC)		23656860	21.05	ug/kg	
39	11.702	75.00	cis-1,3-Dichloropropene		7972795	19.57	ug/kg	
40	13.275	99.00	Ethyl Methacrylate		18508197	215.60	ug/kg	
41	12.552	97.00	1,1,2-Trichloroethane		6083469	20.57	ug/kg	
42	14.899	54.00	Chlorobenzene-d5		10090150	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene		12077510	20.26	ug/kg	
44	12.930	76.00	1,3-Dichloropropane		9435650	20.40	ug/kg	
45	13.360	43.00	2-Hexanone		62958158	213.24	ug/kg	
46	13.210	129.00	Dibromochloromethane		8720720	21.11	ug/kg	
47	13.550	107.00	1,2-Dibromoethane		6245856	20.02	ug/kg	
48	14.951	112.00	Chlorobenzene (SPCC)		17437540	21.53	ug/kg	

49	14.853	131.00	1,1,1,2-Tetrachloroethane		8056286	21.40	ug/kg	
50	15.372	91.00	Ethylbenzene (CCC)		28278044	22.05	ug/kg	
51	15.724	106.00	m,p-Xylene		19105302	43.21	ug/kg	
52	16.332	91.00	o-Xylene		24250103	21.25	ug/kg	
53	16.226	104.00	Styrene		15372797	22.31	ug/kg	
54	15.661	173.00	Bromoform (SPCC)		9587682	21.94	ug/kg	
55	19.185	152.00	1,4-Dichlorobenzene-d4		20516550	40.00	ug/kg	ISTD
56	16.969	105.00	Isopropylbenzene		24034290	21.31	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)		19028282	33.87	ug/kg	
58	17.188	158.00	Bromobenzene		10432652	22.44	ug/kg	
59	16.316	83.00	1,1,2,2-Tetrachloroethane (SPCC)		9103067	24.45	ug/kg	
60	16.541	75.00	1,2,3-Trichloropropane		7720446	24.30	ug/kg	
61	17.709	91.00	n-Propylbenzene		53070730	21.69	ug/kg	
62	17.755	126.00	2-Chlorotoluene		7138356	20.44	ug/kg	
63	16.713	75.00	1,4-Dichloro-2-Butene		15798627	177.96	ug/kg	
64	17.904	91.00	4-Chlorotoluene		20815664	21.86	ug/kg	
65	18.294	105.00	1,3,5-Trimethylbenzene		21452197	20.97	ug/kg	
66	18.682	119.00	tert-Butylbenzene		17714504	21.42	ug/kg	
67	18.949	120.00	1,2,4-Trimethylbenzene		9133677	21.08	ug/kg	
68	19.105	105.00	sec-Butylbenzene		23191922	20.93	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		14657284	20.15	ug/kg	
70	19.235	146.00	1,4-Dichlorobenzene		14969104	20.57	ug/kg	
71	19.554	119.00	p-Isopropyltoluene		18767667	21.53	ug/kg	
72	19.852	146.00	1,2-Dichlorobenzene		14179500	21.36	ug/kg	
73	20.243	91.00	n-Butylbenzene		19852814	21.56	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		2682907	21.01	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L3STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:18 am using AcqMethod 8260LLS
Sample Name: LEVEL 3 STANDARD
Misc Info : LEVEL 3 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.20	16.5 ug/kg	
3	Chloromethane (SPCC)	1.43	14.4 ug/kg	
4	Vinyl Chloride (CCC)	1.78	24.8 ug/kg	
5	Bromomethane	2.49	12.6 ug/kg	
6	Chloroethane	2.87	15.6 ug/kg	
7	Trichlorofluoromethane	3.97	21.6 ug/kg	
8	Acrolein	4.14	269.9 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	23.4 ug/kg	
10	Carbon Disulfide	5.18	241.7 ug/kg	#
11	Iodomethane	4.81	204.9 ug/kg	
12	Acetone	4.45	240.8 ug/kg	
13	Dichloromethane	5.33	23.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	25.1 ug/kg	
15	Acrylonitrile	5.31	244.1 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	22.2 ug/kg	
17	Vinyl Acetate	7.32	229.4 ug/kg	
18	2,2-Dichloropropane	8.05	18.5 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	22.2 ug/kg	
20	Methyl Ethyl Ketone	7.64	252.5 ug/kg	
21	Bromochloromethane	7.87	20.5 ug/kg	
22	Chloroform (CCC)	8.02	22.5 ug/kg	
23	1,1,1-Trichloroethane	9.00	21.5 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	42.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	21.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L3STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:18 am using AcqMethod 8260LLS
Sample Name: LEVEL 3 STANDARD
Misc Info : LEVEL 3 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	16.9 ug/kg	
28	Benzene	9.60	21.5 ug/kg	
29	1,2-Dichloroethane	8.91	19.3 ug/kg	
30	Trichloroethylene	10.58	21.4 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	20.3 ug/kg	
32	Dibromomethane	10.42	19.7 ug/kg	
33	Dichlorobromomethane	10.65	19.0 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	30.8 ug/kg	
35	trans-1,3-Dichloropropene	12.41	17.4 ug/kg	
36	4-Methyl-2-Pentanone	12.00	202.4 ug/kg	
37	Toluene-d8 (SURR)	12.72	39.6 ug/kg	
38	Toluene (CCC)	12.82	21.1 ug/kg	
39	cis-1,3-Dichloropropene	11.70	19.6 ug/kg	
40	Ethyl Methacrylate	13.28	215.6 ug/kg	
41	1,1,2-Trichloroethane	12.55	20.6 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	20.3 ug/kg	
44	1,3-Dichloropropane	12.93	20.4 ug/kg	
45	2-Hexanone	13.36	213.2 ug/kg	
46	Dibromochloromethane	13.21	21.1 ug/kg	
47	1,2-Dibromoethane	13.55	20.0 ug/kg	
48	Chlorobenzene (SPCC)	14.95	21.5 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	21.4 ug/kg	
50	Ethylbenzene (CCC)	15.37	22.1 ug/kg	
51	m,p-Xylene	15.72	43.2 ug/kg	
52	o-Xylene	16.33	21.3 ug/kg	
53	Styrene	16.23	22.3 ug/kg	
54	Bromoform (SPCC)	15.66	21.9 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	21.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	33.9 ug/kg	
58	Bromobenzene	17.19	22.4 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	24.5 ug/kg	
60	1,2,3-Trichloropropane	16.54	24.3 ug/kg	
61	n-Propylbenzene	17.71	21.7 ug/kg	
62	2-Chlorotoluene	17.76	20.4 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	178.0 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L3STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:18 am using AcqMethod 8260LLS
Sample Name: LEVEL 3 STANDARD
Misc Info : LEVEL 3 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	21.9 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	21.0 ug/kg	
66	tert-Butylbenzene	18.68	21.4 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	21.1 ug/kg	
68	sec-Butylbenzene	19.10	20.9 ug/kg	
69	1,3-Dichlorobenzene	19.08	20.1 ug/kg	
70	1,4-Dichlorobenzene	19.23	20.6 ug/kg	
71	p-Isopropyltoluene	19.55	21.5 ug/kg	
72	1,2-Dichlorobenzene	19.85	21.4 ug/kg	
73	n-Butylbenzene	20.24	21.6 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	21.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 11:59
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.064	168.00	Pentafluorobenzene	27398527	40.00	ug/kg	*ISTD
2	1.191	85.00	Dichlorodifluoromethane	5563307	37.27	ug/kg	
3	1.430	50.00	Chloromethane (SPCC)	11846746	33.42	ug/kg	
4	1.779	62.00	Vinyl Chloride (CCC)	8394913	57.43	ug/kg	
5	2.485	94.00	Bromomethane	3814929	26.60	ug/kg	
6	2.885	64.00	Chloroethane	1767137	29.50	ug/kg	
7	3.982	101.00	Trichlorofluoromethane	18068329	50.90	ug/kg	
8	4.145	56.00	Acrolein	11865637	679.97	ug/kg	
9	4.920	61.00	1,1-Dichloroethylene (CCC)	19281234	59.25	ug/kg	
10	5.184	78.00	Carbon Disulfide	26856634	545.12	ug/kg	
11	4.815	127.00	Iodomethane	93684954	461.62	ug/kg	
12	4.468	43.00	Acetone	49592315	557.96	ug/kg	
13	5.340	49.00	Dichloromethane	19427489	48.67	ug/kg	
14	6.389	61.00	trans-1,2-Dichloroethylene	17306400	72.79	ug/kg	
15	5.320	53.00	Acrylonitrile	34281982	534.14	ug/kg	
16	6.775	63.00	1,1-Dichloroethane (SPCC)	20266969	52.46	ug/kg	
17	7.320	86.00	Vinyl Acetate	5680884	695.72	ug/kg	
18	8.049	77.00	2,2-Dichloropropane	20934408	46.74	ug/kg	
19	7.677	61.00	cis-1,2-Dichloroethylene	24259735	55.21	ug/kg	
20	7.640	72.00	Methyl Ethyl Ketone	12510626	562.45	ug/kg	

21	7.875	130.00	Bromochloromethane		9161178	53.53	ug/kg	
22	8.018	83.00	Chloroform (CCC)		29894180	53.35	ug/kg	
23	8.999	97.00	1,1,1-Trichloroethane		28967613	52.29	ug/kg	
24	8.193	113.00	Dibromofluoromethane (SURR)		12430551	40.00	ug/kg	
25	10.150	114.00	1,4-Difluorobenzene		33699810	40.00	ug/kg	ISTD
26	9.316	75.00	1,1-Dichloropropene		21833151	52.12	ug/kg	
27	9.485	117.00	Carbon Tetrachloride		25049418	45.74	ug/kg	
28	9.595	78.00	Benzene		51707549	50.98	ug/kg	
29	8.912	62.00	1,2-Dichloroethane		26828782	47.66	ug/kg	
30	10.584	130.00	Trichloroethylene		17182885	52.25	ug/kg	
31	10.497	63.00	1,2-Dichloropropane (CCC)		17444904	50.01	ug/kg	
32	10.416	174.00	Dibromomethane		18544383	52.08	ug/kg	
33	10.649	83.00	Dichlorobromomethane		28225070	48.55	ug/kg	
34	11.519	63.00	2-Chloroethyl Vinyl Ether		9756478	122.38	ug/kg	
35	12.409	75.00	trans-1,3-Dichloropropene		23012284	52.57	ug/kg	
36	12.008	43.00	4-Methyl-2-Pentanone		2.28E+08	476.47	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		40097018	38.47	ug/kg	
38	12.822	91.00	Toluene (CCC)		62928704	50.46	ug/kg	
39	11.700	75.00	cis-1,3-Dichloropropene		24888486	51.73	ug/kg	
40	13.279	99.00	Ethyl Methacrylate		45617617	509.54	ug/kg	
41	12.554	97.00	1,1,2-Trichloroethane		16259975	49.79	ug/kg	
42	14.898	54.00	Chlorobenzene-d5		11125279	40.00	ug/kg	ISTD
43	13.889	166.00	Tetrachloroethylene		34171882	54.77	ug/kg	
44	12.928	76.00	1,3-Dichloropropane		25356213	48.20	ug/kg	
45	13.365	43.00	2-Hexanone		1.71E+08	523.13	ug/kg	
46	13.208	129.00	Dibromochloromethane		24827151	52.29	ug/kg	
47	13.550	107.00	1,2-Dibromoethane		17854211	49.27	ug/kg	
48	14.949	112.00	Chlorobenzene (SPCC)		47708426	51.59	ug/kg	

49	14.850	131.00	1,1,1,2-Tetrachloroethane		22806023	52.88	ug/kg	
50	15.371	91.00	Ethylbenzene (CCC)		80494521	54.58	ug/kg	
51	15.723	106.00	m,p-Xylene		51157730	102.17	ug/kg	
52	16.330	91.00	o-Xylene		67415198	51.27	ug/kg	
53	16.222	104.00	Styrene		42844693	52.18	ug/kg	
54	15.659	173.00	Bromoform (SPCC)		28279486	54.61	ug/kg	
55	19.184	152.00	1,4-Dichlorobenzene-d4		20632802	40.00	ug/kg	ISTD
56	16.968	105.00	Isopropylbenzene		68062220	57.01	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		20905045	37.00	ug/kg	
58	17.188	158.00	Bromobenzene		24824843	52.37	ug/kg	
59	16.316	83.00	1,1,2,2-Tetrachloroethane (SPCC)		23078557	56.62	ug/kg	
60	16.539	75.00	1,2,3-Trichloropropane		20112299	55.85	ug/kg	
61	17.710	91.00	n-Propylbenzene		1.36E+08	55.23	ug/kg	
62	17.752	126.00	2-Chlorotoluene		17747418	50.20	ug/kg	
63	16.717	75.00	1,4-Dichloro-2-Butene		58695209	509.86	ug/kg	
64	17.902	91.00	4-Chlorotoluene		54789980	52.13	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene		55575949	50.29	ug/kg	
66	18.681	119.00	tert-Butylbenzene		45117611	49.87	ug/kg	
67	18.949	120.00	1,2,4-Trimethylbenzene		23072366	49.16	ug/kg	
68	19.105	105.00	sec-Butylbenzene		60736044	49.32	ug/kg	
69	19.079	146.00	1,3-Dichlorobenzene		37277781	49.38	ug/kg	
70	19.233	146.00	1,4-Dichlorobenzene		38232421	50.58	ug/kg	
71	19.551	119.00	p-Isopropyltoluene		50121246	49.38	ug/kg	
72	19.850	146.00	1,2-Dichlorobenzene		34953298	49.27	ug/kg	
73	20.240	91.00	n-Butylbenzene		47718579	46.40	ug/kg	
74	20.598	157.00	1,2-Dibromo-3-Chloropropane		6923799	51.01	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:59 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD
Misc Info : LEVEL 4 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	37.3 ug/kg	
3	Chloromethane (SPCC)	1.43	33.4 ug/kg	
4	Vinyl Chloride (CCC)	1.78	57.4 ug/kg	
5	Bromomethane	2.49	26.6 ug/kg	
6	Chloroethane	2.89	29.5 ug/kg	
7	Trichlorofluoromethane	3.98	50.9 ug/kg	
8	Acrolein	4.15	680.0 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	59.3 ug/kg	
10	Carbon Disulfide	5.18	545.1 ug/kg	#
11	Iodomethane	4.81	461.6 ug/kg	
12	Acetone	4.47	558.0 ug/kg	
13	Dichloromethane	5.34	48.7 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	72.8 ug/kg	
15	Acrylonitrile	5.32	534.1 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.77	52.5 ug/kg	
17	Vinyl Acetate	7.32	695.7 ug/kg	
18	2,2-Dichloropropane	8.05	46.7 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	55.2 ug/kg	
20	Methyl Ethyl Ketone	7.64	562.5 ug/kg	
21	Bromochloromethane	7.87	53.5 ug/kg	
22	Chloroform (CCC)	8.02	53.3 ug/kg	
23	1,1,1-Trichloroethane	9.00	52.3 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	40.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	52.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:59 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD
Misc Info : LEVEL 4 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	45.7 ug/kg	
28	Benzene	9.60	51.0 ug/kg	
29	1,2-Dichloroethane	8.91	47.7 ug/kg	
30	Trichloroethylene	10.58	52.2 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	50.0 ug/kg	
32	Dibromomethane	10.42	52.1 ug/kg	
33	Dichlorobromomethane	10.65	48.5 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	122.4 ug/kg	
35	trans-1,3-Dichloropropene	12.41	52.6 ug/kg	
36	4-Methyl-2-Pentanone	12.01	476.5 ug/kg	
37	Toluene-d8 (SURR)	12.72	38.5 ug/kg	
38	Toluene (CCC)	12.82	50.5 ug/kg	
39	cis-1,3-Dichloropropene	11.70	51.7 ug/kg	
40	Ethyl Methacrylate	13.28	509.5 ug/kg	
41	1,1,2-Trichloroethane	12.55	49.8 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	54.8 ug/kg	
44	1,3-Dichloropropane	12.93	48.2 ug/kg	
45	2-Hexanone	13.37	523.1 ug/kg	
46	Dibromochloromethane	13.21	52.3 ug/kg	
47	1,2-Dibromoethane	13.55	49.3 ug/kg	
48	Chlorobenzene (SPCC)	14.95	51.6 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	52.9 ug/kg	
50	Ethylbenzene (CCC)	15.37	54.6 ug/kg	
51	m,p-Xylene	15.72	102.2 ug/kg	
52	o-Xylene	16.33	51.3 ug/kg	
53	Styrene	16.22	52.2 ug/kg	
54	Bromoform (SPCC)	15.66	54.6 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	57.0 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	37.0 ug/kg	
58	Bromobenzene	17.19	52.4 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	56.6 ug/kg	
60	1,2,3-Trichloropropane	16.54	55.8 ug/kg	
61	n-Propylbenzene	17.71	55.2 ug/kg	
62	2-Chlorotoluene	17.75	50.2 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	509.9 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 11:59 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD
Misc Info : LEVEL 4 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	52.1 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	50.3 ug/kg	
66	tert-Butylbenzene	18.68	49.9 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	49.2 ug/kg	
68	sec-Butylbenzene	19.10	49.3 ug/kg	
69	1,3-Dichlorobenzene	19.08	49.4 ug/kg	
70	1,4-Dichlorobenzene	19.23	50.6 ug/kg	
71	p-Isopropyltoluene	19.55	49.4 ug/kg	
72	1,2-Dichlorobenzene	19.85	49.3 ug/kg	
73	n-Butylbenzene	20.24	46.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	51.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L5STD.D
Data Path	C:\HPCHEM\1\DATA\0717\
Operator	CHARLES M. JOHNSON
Date/Time	7/17/95 12:40
Method	8260LLS
Misc Info	LEVEL 5 STANDARD 0717
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.070	168.00	Pentafluorobenzene	26296874	40.00	ug/kg	*ISTD
2	1.174	85.00	Dichlorodifluoromethane	10145879	70.60	ug/kg	
3	1.418	50.00	Chloromethane (SPCC)	19244829	57.47	ug/kg	
4	1.769	62.00	Vinyl Chloride (CCC)	14431206	99.53	ug/kg	
5	2.484	94.00	Bromomethane	7929502	54.53	ug/kg	
6	2.866	64.00	Chloroethane	3174195	55.31	ug/kg	
7	3.974	101.00	Trichlorofluoromethane	34120347	100.28	ug/kg	
8	4.188	56.00	Acrolein	25092603	1472.35	ug/kg	
9	4.920	61.00	1,1-Dichloroethylene (CCC)	37303643	122.20	ug/kg	
10	5.179	78.00	Carbon Disulfide	48480175	955.02	ug/kg	
11	4.808	127.00	Iodomethane	2.36E+08	1160.60	ug/kg	
12	4.554	43.00	Acetone	1.13E+08	1352.88	ug/kg	
13	5.338	49.00	Dichloromethane	40588172	134.28	ug/kg	
14	6.392	61.00	trans-1,2-Dichloroethylene	33844005	161.54	ug/kg	
15	5.366	53.00	Acrylonitrile	76386891	1066.58	ug/kg	
16	6.783	63.00	1,1-Dichloroethane (SPCC)	39895233	105.56	ug/kg	
17	7.342	86.00	Vinyl Acetate	15688120	2371.69	ug/kg	
18	8.055	77.00	2,2-Dichloropropane	46272062	104.27	ug/kg	
19	7.685	61.00	cis-1,2-Dichloroethylene	44407199	100.91	ug/kg	
20	7.677	72.00	Methyl Ethyl Ketone	26965718	1143.61	ug/kg	

21	7.886	130.00	Bromochloromethane		18444626	111.98	ug/kg	
22	8.033	83.00	Chloroform (CCC)		52802569	96.38	ug/kg	
23	9.001	97.00	1,1,1-Trichloroethane		55014913	101.38	ug/kg	
24	8.207	113.00	Dibromofluoromethane (SURR)		12993383	43.56	ug/kg	
25	10.150	114.00	1,4-Difluorobenzene		32737977	40.00	ug/kg	ISTD
26	9.318	75.00	1,1-Dichloropropene		43137879	96.24	ug/kg	
27	9.486	117.00	Carbon Tetrachloride		53644829	97.94	ug/kg	
28	9.596	78.00	Benzene		1E+08	95.60	ug/kg	
29	8.919	62.00	1,2-Dichloroethane		57575052	96.03	ug/kg	
30	10.583	130.00	Trichloroethylene		33497633	104.04	ug/kg	
31	10.499	63.00	1,2-Dichloropropane (CCC)		33056682	94.09	ug/kg	
32	10.417	174.00	Dibromomethane		35365724	110.52	ug/kg	
33	10.656	83.00	Dichlorobromomethane		55467584	91.88	ug/kg	
34	11.521	63.00	2-Chloroethyl Vinyl Ether		33729829	414.33	ug/kg	
35	12.412	75.00	trans-1,3-Dichloropropene		54163228	115.15	ug/kg	
36	12.021	43.00	4-Methyl-2-Pentanone		3.11E+08	702.66	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		34551690	34.12	ug/kg	
38	12.822	91.00	Toluene (CCC)		1.07E+08	85.74	ug/kg	
39	11.701	75.00	cis-1,3-Dichloropropene		56054765	104.83	ug/kg	
40	13.291	99.00	Ethyl Methacrylate		75551673	910.58	ug/kg	
41	12.559	97.00	1,1,2-Trichloroethane		29700141	90.62	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		9835563	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene		55244966	109.44	ug/kg	
44	12.929	76.00	1,3-Dichloropropane		45371360	93.01	ug/kg	
45	13.383	43.00	2-Hexanone		2.73E+08	938.97	ug/kg	
46	13.215	129.00	Dibromochloromethane		44387560	99.63	ug/kg	
47	13.553	107.00	1,2-Dibromoethane		34988960	100.28	ug/kg	
48	14.950	112.00	Chlorobenzene (SPCC)		86013517	99.72	ug/kg	

49	14.857	131.00	1,1,1,2-Tetrachloroethane		39002944	97.19	ug/kg	
50	15.371	91.00	Ethylbenzene (CCC)		1.47E+08	105.58	ug/kg	
51	15.727	106.00	m,p-Xylene		90529110	196.23	ug/kg	
52	16.331	91.00	o-Xylene		1.19E+08	95.98	ug/kg	
53	16.224	104.00	Styrene		80104073	98.83	ug/kg	
54	15.664	173.00	Bromoform (SPCC)		55969309	109.45	ug/kg	
55	19.185	152.00	1,4-Dichlorobenzene-d4		23451895	40.00	ug/kg	ISTD
56	16.971	105.00	Isopropylbenzene		1.27E+08	89.52	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)		19680373	30.65	ug/kg	
58	17.189	158.00	Bromobenzene		51055356	93.02	ug/kg	
59	16.320	83.00	1,1,2,2-Tetrachloroethane (SPCC)		43129019	86.53	ug/kg	
60	16.541	75.00	1,2,3-Trichloropropane		39293855	86.51	ug/kg	
61	17.711	91.00	n-Propylbenzene		2.83E+08	101.39	ug/kg	
62	17.755	126.00	2-Chlorotoluene		35124963	86.70	ug/kg	
63	16.728	75.00	1,4-Dichloro-2-Butene		1.5E+08	904.56	ug/kg	
64	17.904	91.00	4-Chlorotoluene		1.16E+08	88.18	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene		1.22E+08	88.75	ug/kg	
66	18.679	119.00	tert-Butylbenzene		1.03E+08	89.80	ug/kg	
67	18.949	120.00	1,2,4-Trimethylbenzene		52117398	88.74	ug/kg	
68	19.107	105.00	sec-Butylbenzene		1.44E+08	90.42	ug/kg	
69	19.080	146.00	1,3-Dichlorobenzene		81384542	90.88	ug/kg	
70	19.235	146.00	1,4-Dichlorobenzene		85869034	95.45	ug/kg	
71	19.553	119.00	p-Isopropyltoluene		1.21E+08	88.31	ug/kg	
72	19.850	146.00	1,2-Dichlorobenzene		81790573	92.88	ug/kg	
73	20.240	91.00	n-Butylbenzene		1.27E+08	91.78	ug/kg	
74	20.596	157.00	1,2-Dibromo-3-Chloropropane		12563219	77.70	ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L5STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 12:40 pm using AcqMethod 8260LLS
Sample Name: LEVEL 5 STANDARD
Misc Info : LEVEL 5 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	70.6 ug/kg	
3	Chloromethane (SPCC)	1.42	57.5 ug/kg	
4	Vinyl Chloride (CCC)	1.77	99.5 ug/kg	
5	Bromomethane	2.48	54.5 ug/kg	
6	Chloroethane	2.87	55.3 ug/kg	
7	Trichlorofluoromethane	3.97	100.3 ug/kg	
8	Acrolein	4.19	1472.3 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	122.2 ug/kg	
10	Carbon Disulfide	5.18	955.0 ug/kg	
11	Iodomethane	4.81	1160.6 ug/kg	
12	Acetone	4.55	1352.9 ug/kg	
13	Dichloromethane	5.34	134.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	161.5 ug/kg	
15	Acrylonitrile	5.37	1066.6 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	105.6 ug/kg	
17	Vinyl Acetate	7.34	2371.7 ug/kg	
18	2,2-Dichloropropane	8.06	104.3 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	100.9 ug/kg	
20	Methyl Ethyl Ketone	7.68	1143.6 ug/kg	
21	Bromochloromethane	7.89	112.0 ug/kg	
22	Chloroform (CCC)	8.03	96.4 ug/kg	
23	1,1,1-Trichloroethane	9.00	101.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.21	43.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	96.2 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L5STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 12:40 pm using AcqMethod 8260LLS
Sample Name: LEVEL 5 STANDARD
Misc Info : LEVEL 5 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	97.9 ug/kg	
28	Benzene	9.60	95.6 ug/kg	
29	1,2-Dichloroethane	8.92	96.0 ug/kg	
30	Trichloroethylene	10.58	104.0 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	94.1 ug/kg	
32	Dibromomethane	10.42	110.5 ug/kg	
33	Dichlorobromomethane	10.66	91.9 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	414.3 ug/kg	
35	trans-1,3-Dichloropropene	12.41	115.1 ug/kg	
36	4-Methyl-2-Pentanone	12.02	702.7 ug/kg	
37	Toluene-d8 (SURR)	12.72	34.1 ug/kg	
38	Toluene (CCC)	12.82	85.7 ug/kg	
39	cis-1,3-Dichloropropene	11.70	104.8 ug/kg	
40	Ethyl Methacrylate	13.29	910.6 ug/kg	
41	1,1,2-Trichloroethane	12.56	90.6 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	109.4 ug/kg	
44	1,3-Dichloropropane	12.93	93.0 ug/kg	
45	2-Hexanone	13.38	939.0 ug/kg	
46	Dibromochloromethane	13.21	99.6 ug/kg	
47	1,2-Dibromoethane	13.55	100.3 ug/kg	
48	Chlorobenzene (SPCC)	14.95	99.7 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	97.2 ug/kg	
50	Ethylbenzene (CCC)	15.37	105.6 ug/kg	
51	m,p-Xylene	15.73	196.2 ug/kg	
52	o-Xylene	16.33	96.0 ug/kg	
53	Styrene	16.22	98.8 ug/kg	
54	Bromoform (SPCC)	15.66	109.4 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	89.5 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	30.6 ug/kg	
58	Bromobenzene	17.19	93.0 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	86.5 ug/kg	
60	1,2,3-Trichloropropane	16.54	86.5 ug/kg	
61	n-Propylbenzene	17.71	101.4 ug/kg	
62	2-Chlorotoluene	17.75	86.7 ug/kg	
63	1,4-Dichloro-2-Butene	16.73	904.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 09:48:52 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0717\L5STD.D
Operator : CHARLES M. JOHNSON
Acquired : 17 Jul 95 12:40 pm using AcqMethod 8260LLS
Sample Name: LEVEL 5 STANDARD
Misc Info : LEVEL 5 STANDARD 0717
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

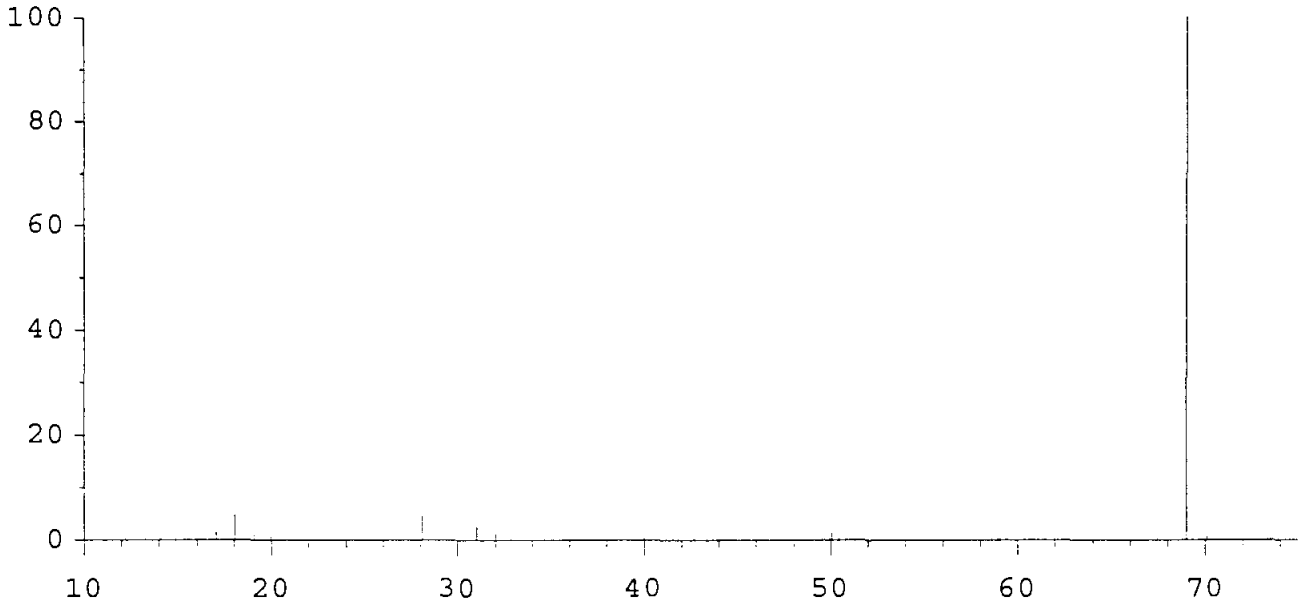
#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	88.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	88.8 ug/kg	
66	tert-Butylbenzene	18.68	89.8 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	88.7 ug/kg	
68	sec-Butylbenzene	19.11	90.4 ug/kg	
69	1,3-Dichlorobenzene	19.08	90.9 ug/kg	
70	1,4-Dichlorobenzene	19.24	95.4 ug/kg	
71	p-Isopropyltoluene	19.55	88.3 ug/kg	
72	1,2-Dichlorobenzene	19.85	92.9 ug/kg	
73	n-Butylbenzene	20.24	91.8 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	77.7 ug/kg	

END OF REPORT

APPENDIX IV

HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Tue Jul 18 09:17:17 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
44 peaks Base: 69.00 Abundance: 2034176



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2034176	100.00	70.10	18920	0.93
18.05	103600	5.09	19.05	22224	21.45
28.10	97072	4.77	29.00	3235	3.33

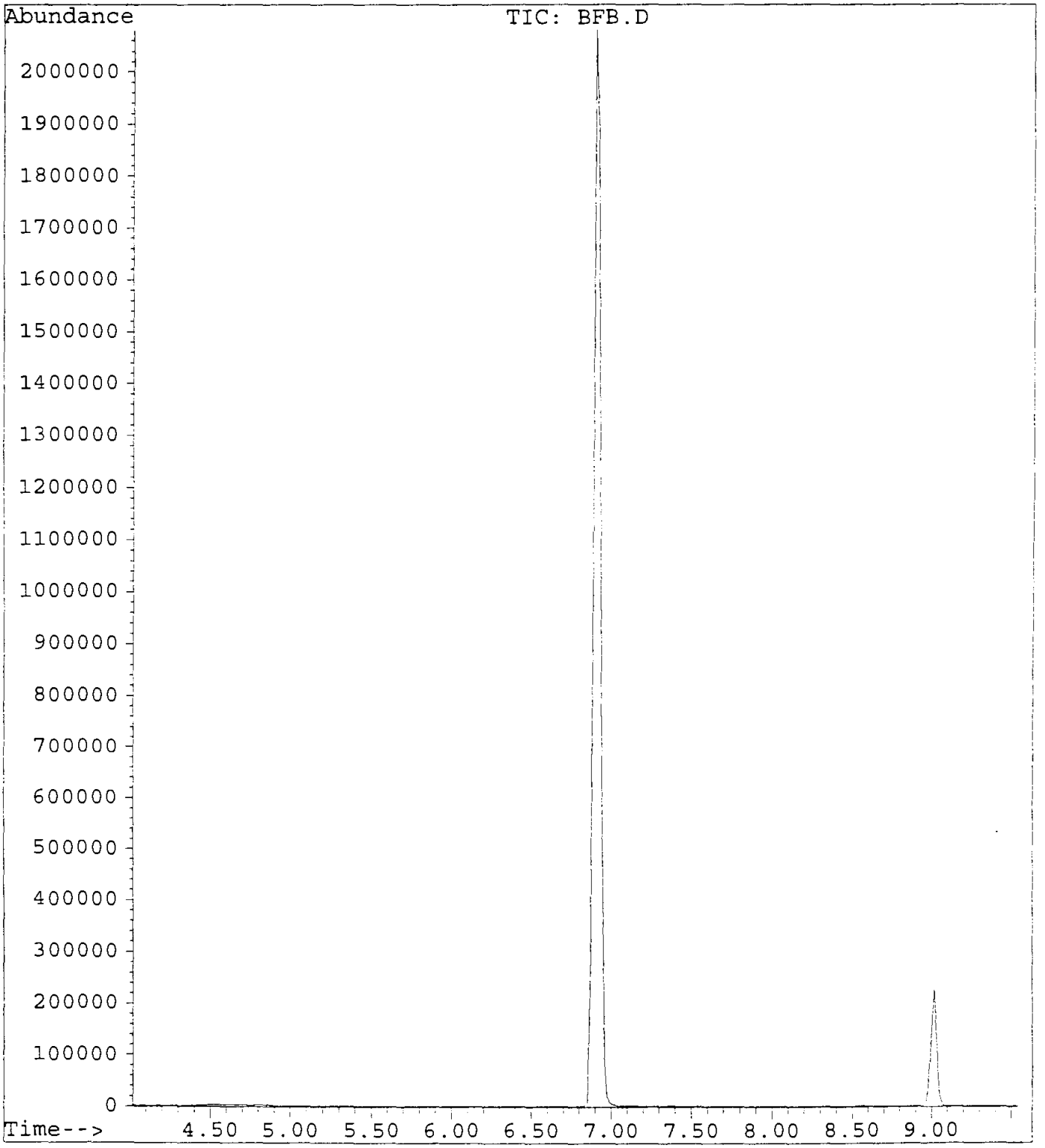
HP 5970 Air and Water Check : Tue Jul 18 09:17:18 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 45.0
EMV = 2600
Relative abundances:
18/69 = 5.09 Water%
28/69 = 4.77 Nitrogen%
32/69 = 1.41 Oxygen%
44/69 = 0.24 Carbon Dioxide%
18/28 = 106.72 Water/Nitrogen%

4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 10:05
Method	BFB
Misc Info	BFB CHECK 0718
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	1511433	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	391373	25.90	%	
3	6.903	75.00	30% to 60% of 95	775275	51.29	%	
4	6.903	96.00	5% to 9% of 95	102713	6.79	%	
5	6.920	174.00	> 50% of 95	1696096	112.22	%	
6	6.920	174.00		1696096	100.00	%	ISTD
7	6.903	173.00	< 2% of 174	8770	0.52	%	
8	6.920	175.00	5% to 9% of 174	116591	6.87	%	
9	6.920	176.00	>95% , <101% of 174	1612134	95.05	%	
10	6.920	176.00		1612134	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	104615	6.49	%	

File : C:\HPCHEM\1\DATA\0718\BFB.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 10:05 am using AcqMethod BFB
Instrument : 5970 - In
Sample Name: BFB CHECK
Misc Info : BFB CHECK 0718
Vial Number: 1



Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 7/18/95

Compound	Conc.	Area	RF
Chloromethane	49.63	11462183	0.3974
1,1 Dichloroethane	48.65	19339904	0.6840
Chlorobenzene	44.77	45341361	1.3068
Bromoform	42.60	25058874	0.4863
1,1,2,2-Tetrachloroethane	48.37	23355448	0.8705

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	23246218	91.1712
1,4 Difluorobenzene	40	30999672	101.2483
Chlorobenzene - d5	40	11801631	118.4997
1,4-Dichlorobenzene-d4	40	22187224	108.4259

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 07/18/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	47.71	4.58
1,1-Dichloroethylene	55.23	10.46
Chloroform	49.55	0.9
1,2-Dichloropropane	53.46	6.92
Toluene	55.79	11.58
Ethyl Benzene	46.61	6.78

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 11:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (50 PPB)
Misc Info : LEVEL 4 STANDARD (50 PPB) 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.20	42.9 ug/kg	
3	Chloromethane (SPCC)	1.43	49.6 ug/kg	
4	Vinyl Chloride (CCC)	1.79	47.7 ug/kg	
5	Bromomethane	2.49	59.9 ug/kg	
6	Chloroethane	2.89	53.1 ug/kg	
7	Trichlorofluoromethane	3.98	52.5 ug/kg	
8	Acrolein	4.17	510.2 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	55.2 ug/kg	
10	Carbon Disulfide	5.19	526.2 ug/kg	
11	Iodomethane	4.82	558.1 ug/kg	
12	Acetone	4.49	473.2 ug/kg	
13	Dichloromethane	5.35	58.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.40	47.2 ug/kg	
15	Acrylonitrile	5.33	526.3 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	48.6 ug/kg	
17	Vinyl Acetate	7.33	568.9 ug/kg	
18	2,2-Dichloropropane	8.06	55.6 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	50.3 ug/kg	
20	Methyl Ethyl Ketone	7.65	442.2 ug/kg	
21	Bromochloromethane	7.88	48.3 ug/kg	
22	Chloroform (CCC)	8.03	49.6 ug/kg	
23	1,1,1-Trichloroethane	9.00	49.1 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	41.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	51.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 11:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (50 PPB)
Misc Info : LEVEL 4 STANDARD (50 PPB) 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	55.6 ug/kg	
28	Benzene	9.60	51.1 ug/kg	
29	1,2-Dichloroethane	8.92	58.8 ug/kg	
30	Trichloroethylene	10.59	47.8 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	53.5 ug/kg	
32	Dibromomethane	10.42	46.2 ug/kg	
33	Dichlorobromomethane	10.66	56.1 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	773.0 ug/kg	
35	trans-1,3-Dichloropropene	12.41	57.8 ug/kg	
36	4-Methyl-2-Pentanone	12.01	604.3 ug/kg	
37	Toluene-d8 (SURR)	12.73	41.4 ug/kg	
38	Toluene (CCC)	12.83	55.8 ug/kg	
39	cis-1,3-Dichloropropene	11.70	56.9 ug/kg	
40	Ethyl Methacrylate	13.28	518.0 ug/kg	
41	1,1,2-Trichloroethane	12.56	53.6 ug/kg	
42	Chlorobenzene-d5	14.91	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	36.5 ug/kg	
44	1,3-Dichloropropane	12.93	48.5 ug/kg	
45	2-Hexanone	13.37	478.2 ug/kg	
46	Dibromochloromethane	13.21	45.0 ug/kg	
47	1,2-Dibromoethane	13.55	47.5 ug/kg	
48	Chlorobenzene (SPCC)	14.96	44.8 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	42.6 ug/kg	
50	Ethylbenzene (CCC)	15.38	46.6 ug/kg	
51	m,p-Xylene	15.73	90.3 ug/kg	
52	o-Xylene	16.34	47.4 ug/kg	
53	Styrene	16.23	46.1 ug/kg	
54	Bromoform (SPCC)	15.67	42.6 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	48.5 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	39.6 ug/kg	
58	Bromobenzene	17.19	45.7 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	48.4 ug/kg	
60	1,2,3-Trichloropropane	16.55	48.1 ug/kg	
61	n-Propylbenzene	17.72	53.8 ug/kg	
62	2-Chlorotoluene	17.76	47.6 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	484.2 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 11:36 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (50 PPB)
Misc Info : LEVEL 4 STANDARD (50 PPB) 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	52.9 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	53.6 ug/kg	
66	tert-Butylbenzene	18.69	48.6 ug/kg	
67	1,2,4-Trimethylbenzene	18.96	51.5 ug/kg	
68	sec-Butylbenzene	19.11	52.9 ug/kg	
69	1,3-Dichlorobenzene	19.09	48.2 ug/kg	
70	1,4-Dichlorobenzene	19.24	47.3 ug/kg	
71	p-Isopropyltoluene	19.56	50.1 ug/kg	
72	1,2-Dichlorobenzene	19.86	47.7 ug/kg	
73	n-Butylbenzene	20.25	47.8 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.61	50.8 ug/kg	

END OF REPORT

Volatile Organics by EPA Method 8260

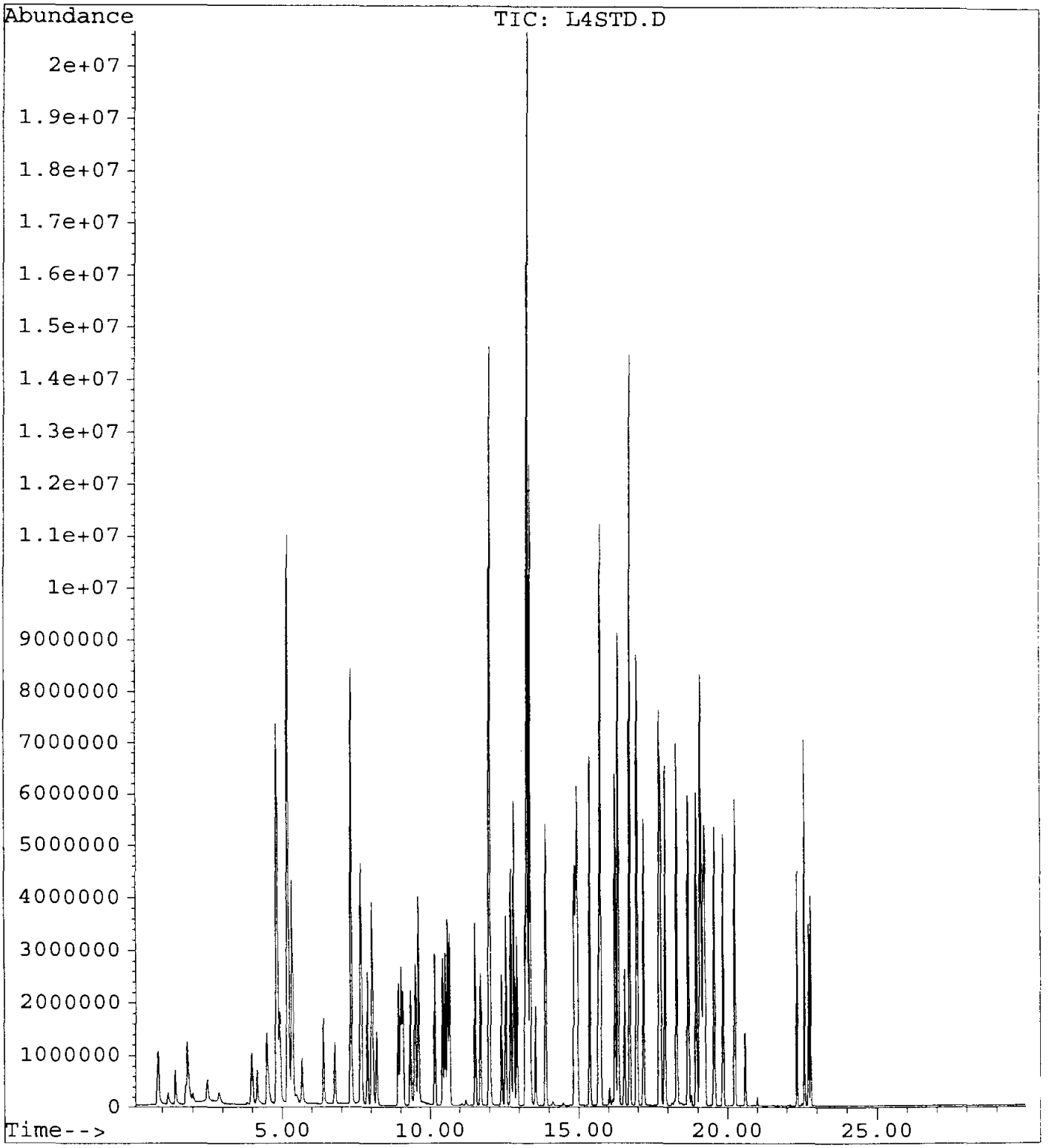
File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 11:36
Method	8260LLS
Misc Info	LEVEL 4 STANDARD (50 PPB) 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.069	168.00	Pentafluorobenzene	23246218	40.00	ug/kg	*ISTD
2	1.197	85.00	Dichlorodifluoromethane	4759532	42.87	ug/kg	
3	1.434	50.00	Chloromethane (SPCC)	11462183	49.63	ug/kg	
4	1.789	62.00	Vinyl Chloride (CCC)	7808278	47.71	ug/kg	
5	2.495	94.00	Bromomethane	4726831	59.91	ug/kg	
6	2.887	64.00	Chloroethane	1910415	53.11	ug/kg	
7	3.985	101.00	Trichlorofluoromethane	18525390	52.45	ug/kg	
8	4.165	56.00	Acrolein	11884691	510.18	ug/kg	
9	4.924	61.00	1,1-Dichloroethylene (CCC)	20683361	55.23	ug/kg	
10	5.190	78.00	Carbon Disulfide	27257253	526.16	ug/kg	
11	4.822	127.00	Iodomethane	1.12E+08	558.12	ug/kg	
12	4.493	43.00	Acetone	47272787	473.20	ug/kg	
13	5.348	49.00	Dichloromethane	22697580	58.49	ug/kg	
14	6.396	61.00	trans-1,2-Dichloroethylene	15414311	47.17	ug/kg	
15	5.331	53.00	Acrylonitrile	36142540	526.31	ug/kg	
16	6.782	63.00	1,1-Dichloroethane (SPCC)	19339904	48.65	ug/kg	
17	7.330	86.00	Vinyl Acetate	6902179	568.85	ug/kg	
18	8.056	77.00	2,2-Dichloropropane	23356778	55.60	ug/kg	
19	7.684	61.00	cis-1,2-Dichloroethylene	23261363	50.33	ug/kg	
20	7.648	72.00	Methyl Ethyl Ketone	10858175	442.17	ug/kg	

21	7.882	130.00	Bromochloromethane		8535721	48.31	ug/kg	
22	8.025	83.00	Chloroform (CCC)		28574190	49.55	ug/kg	
23	9.003	97.00	1,1,1-Trichloroethane		27539477	49.15	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)		12352307	41.13	ug/kg	
25	10.154	114.00	1,4-Difluorobenzene		30999672	40.00	ug/kg	ISTD
26	9.323	75.00	1,1-Dichloropropene		20568936	51.61	ug/kg	
27	9.491	117.00	Carbon Tetrachloride		25975810	55.64	ug/kg	
28	9.601	78.00	Benzene		48734391	51.12	ug/kg	
29	8.918	62.00	1,2-Dichloroethane		29651869	58.80	ug/kg	
30	10.589	130.00	Trichloroethylene		15121465	47.79	ug/kg	
31	10.501	63.00	1,2-Dichloropropane (CCC)		17035657	53.46	ug/kg	
32	10.419	174.00	Dibromomethane		15672427	46.25	ug/kg	
33	10.656	83.00	Dichlorobromomethane		28895387	56.12	ug/kg	
34	11.524	63.00	2-Chloroethyl Vinyl Ether		19937408	772.99	ug/kg	
35	12.412	75.00	trans-1,3-Dichloropropene		25044554	57.83	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		2.34E+08	604.32	ug/kg	
37	12.727	98.00	Toluene-d8 (SURR)		38578343	41.37	ug/kg	
38	12.826	91.00	Toluene (CCC)		62855501	55.79	ug/kg	
39	11.705	75.00	cis-1,3-Dichloropropene		26543315	56.85	ug/kg	
40	13.284	99.00	Ethyl Methacrylate		43146619	518.02	ug/kg	
41	12.558	97.00	1,1,2-Trichloroethane		15864090	53.60	ug/kg	
42	14.906	54.00	Chlorobenzene-d5		11801631	40.00	ug/kg	ISTD
43	13.891	166.00	Tetrachloroethylene		26320148	36.48	ug/kg	
44	12.932	76.00	1,3-Dichloropropane		25989513	48.54	ug/kg	
45	13.369	43.00	2-Hexanone		1.71E+08	478.17	ug/kg	
46	13.213	129.00	Dibromochloromethane		23367855	44.99	ug/kg	
47	13.553	107.00	1,2-Dibromoethane		17994949	47.49	ug/kg	
48	14.955	112.00	Chlorobenzene (SPCC)		45341361	44.77	ug/kg	

49	14.856	131.00	1,1,1,2-Tetrachloroethane		20404116	42.59	ug/kg	
50	15.375	91.00	Ethylbenzene (CCC)		79069135	46.61	ug/kg	
51	15.731	106.00	m,p-Xylene		49257079	90.33	ug/kg	
52	16.336	91.00	o-Xylene		67624327	47.42	ug/kg	
53	16.230	104.00	Styrene		41711922	46.12	ug/kg	
54	15.666	173.00	Bromoform (SPCC)		25058874	42.60	ug/kg	
55	19.191	152.00	1,4-Dichlorobenzene-d4		22187224	40.00	ug/kg	ISTD
56	16.974	105.00	Isopropylbenzene		67612216	48.52	ug/kg	
57	16.947	95.00	4-Bromofluorobenzene (SURR)		20416016	39.61	ug/kg	
58	17.195	158.00	Bromobenzene		24480680	45.73	ug/kg	
59	16.323	83.00	1,1,2,2-Tetrachloroethane (SPCC)		23355448	48.37	ug/kg	
60	16.545	75.00	1,2,3-Trichloropropane		20191564	48.08	ug/kg	
61	17.715	91.00	n-Propylbenzene		1.54E+08	53.84	ug/kg	
62	17.761	126.00	2-Chlorotoluene		17949814	47.59	ug/kg	
63	16.722	75.00	1,4-Dichloro-2-Butene		57764489	484.20	ug/kg	
64	17.908	91.00	4-Chlorotoluene		60797391	52.86	ug/kg	
65	18.298	105.00	1,3,5-Trimethylbenzene		63037476	53.61	ug/kg	
66	18.688	119.00	tert-Butylbenzene		46598229	48.56	ug/kg	
67	18.957	120.00	1,2,4-Trimethylbenzene		25278711	51.51	ug/kg	
68	19.114	105.00	sec-Butylbenzene		68741435	52.90	ug/kg	
69	19.086	146.00	1,3-Dichlorobenzene		38239127	48.21	ug/kg	
70	19.241	146.00	1,4-Dichlorobenzene		38524959	47.27	ug/kg	
71	19.559	119.00	p-Isopropyltoluene		53370579	50.07	ug/kg	
72	19.857	146.00	1,2-Dichlorobenzene		35977111	47.69	ug/kg	
73	20.247	91.00	n-Butylbenzene		49967999	47.76	ug/kg	
74	20.605	157.00	1,2-Dibromo-3-Chloropropane		7221772	50.80	ug/kg	

File : C:\HPCHEM\1\DATA\0718\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 11:36 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD (50 PPB)
Misc Info : LEVEL 4 STANDARD (50 PPB) 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 18-Jul-95 10:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	93.5 %	80 - 120
Toluene-d8	103.0 %	81 - 117
4-Bromofluorobenzene	87.8 %	74 - 121

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 10:46 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.92	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.83	0.2 ug/kg	#
12	Acetone	4.49	9.6 ug/kg	#
13	Dichloromethane	5.35	3.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.85	0.2 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.69	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.04	0.2 ug/kg	#
23	1,1,1-Trichloroethane	9.04	0.2 ug/kg	#
24	Dibromofluoromethane (SURR)	8.20	37.4 ug/kg	
25	1,4-Difluorobenzene	10.16	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

000711

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 10:46 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	8.99	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.73	41.2 ug/kg	
38	Toluene (CCC)	12.83	0.3 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.90	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.93	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.1 ug/kg	
52	o-Xylene	16.34	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.0 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	35.1 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 10:46 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.10	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.25	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.24	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.54	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

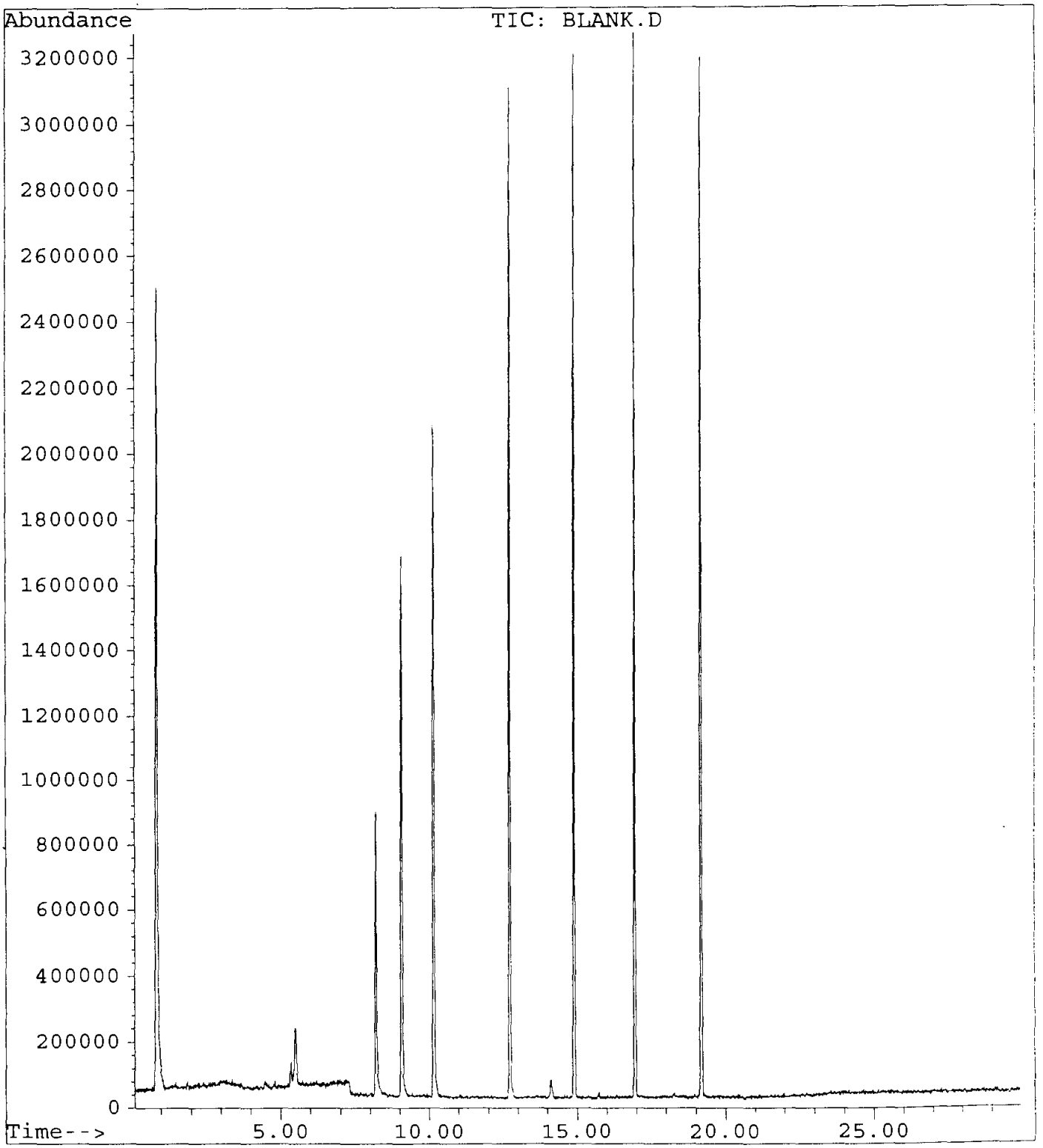
File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 10:46
Method	8260LLS
Misc Info	BLANK 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.073	168.00	Pentafluorobenzene	18746668	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.922	61.00	1,1-Dichloroethylene (CCC)	31386	0.12	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.825	127.00	Iodomethane	21691	0.20	ug/kg	
12	4.495	43.00	Acetone	596726	9.57	ug/kg	
13	5.350	49.00	Dichloromethane	865920	2.95	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.852	63.00	1,1-Dichloroethane (SPCC)	57079	0.21	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.694	61.00	cis-1,2-Dichloroethylene	45219	0.14	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.041	83.00	Chloroform (CCC)		107649	0.25	ug/kg	
23	9.040	97.00	1,1,1-Trichloroethane		78624	0.20	ug/kg	
24	8.202	113.00	Dibromofluoromethane (SURR)		8283156	37.45	ug/kg	
25	10.156	114.00	1,4-Difluorobenzene		23343545	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	8.990	62.00	1,2-Dichloroethane		19085	0.06	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone		0	0.00	ug/kg	
37	12.726	98.00	Toluene-d8 (SURR)		28902960	41.16	ug/kg	
38	12.830	91.00	Toluene (CCC)		277993	0.29	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.903	54.00	Chlorobenzene-d5		8682094	40.00	ug/kg	ISTD
43	13.902	166.00	Tetrachloroethylene		34480	0.06	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.935	112.00	Chlorobenzene (SPCC)		32316	0.04	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.384	91.00	Ethylbenzene (CCC)		61937	0.05	ug/kg	
51	15.734	106.00	m,p-Xylene		56172	0.14	ug/kg	
52	16.336	91.00	o-Xylene		48117	0.05	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.191	152.00	1,4-Dichlorobenzene-d4		17661771	40.00	ug/kg	ISTD
56	16.970	105.00	Isopropylbenzene		60654	0.05	ug/kg	
57	16.946	95.00	4-Bromofluorobenzene (SURR)		14405472	35.11	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.102	105.00	sec-Butylbenzene		8717	0.01	ug/kg	
69	19.084	146.00	1,3-Dichlorobenzene		24198	0.04	ug/kg	
70	19.253	146.00	1,4-Dichlorobenzene		35220	0.05	ug/kg	
71	19.554	119.00	p-Isopropyltoluene		34399	0.04	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.244	91.00	n-Butylbenzene		33762	0.05	ug/kg	
74	20.541	157.00	1,2-Dibromo-3-Chloropropane		10453	0.08	ug/kg	

File : C:\HPCHEM\1\DATA\0718\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 10:46 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950707-FW-IW-SL0018(a-e)
Control No: 82300
Sample Date: 7/7/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1301
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	123	57
Acrolein	<57	57
Acrylonitrile	<57	57
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<57	57
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<23	23
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<28	28
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<17	17
2-Hexanone	<57	57
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	<6	6
4-Methyl-2-pentanone (MIBK)	<57	57

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	7	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<34	34
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	105.6%	80-120
Toluene-d8	106.3%	81-117
4-Bromofluorobenzene	105.9%	74-121

Percent Solids	88.0%

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82300.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82300 5.0 g COMPOSITE OF 5
Misc Info : 82300 5.0 g COMPOSITE OF 5 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.43	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.98	0.1 ug/kg	#
8	Acrolein	4.16	3.7 ug/kg	#
9	1,1-Dichloroethylene (CCC)	4.93	0.2 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.48	108.4 ug/kg	
13	Dichloromethane	5.33	1.9 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.35	9.5 ug/kg	
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.33	3.2 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.68	0.5 ug/kg	
20	Methyl Ethyl Ketone	7.66	9.3 ug/kg	
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.3 ug/kg	
23	1,1,1-Trichloroethane	9.00	1.3 ug/kg	#
24	Dibromofluoromethane (SURR)	8.20	42.2 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	0.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82300.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82300 5.0 g COMPOSITE OF 5
Misc Info : 82300 5.0 g COMPOSITE OF 5 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	0.2 ug/kg	#
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	8.92	0.2 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.44	0.2 ug/kg	#
33	Dichlorobromomethane	10.66	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	6.8 ug/kg	
37	Toluene-d8 (SURR)	12.72	42.5 ug/kg	
38	Toluene (CCC)	12.82	5.9 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.28	2.8 ug/kg	
41	1,1,2-Trichloroethane	12.70	0.4 ug/kg	#
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.5 ug/kg	
44	1,3-Dichloropropane	12.94	0.2 ug/kg	#
45	2-Hexanone	13.36	12.7 ug/kg	
46	Dibromochloromethane	13.23	0.1 ug/kg	#
47	1,2-Dibromoethane	13.56	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	14.96	0.3 ug/kg	#
49	1,1,1,2-Tetrachloroethane	14.87	0.1 ug/kg	#
50	Ethylbenzene (CCC)	15.38	0.4 ug/kg	
51	m,p-Xylene	15.73	1.0 ug/kg	
52	o-Xylene	16.33	0.4 ug/kg	
53	Styrene	16.24	0.2 ug/kg	
54	Bromoform (SPCC)	15.67	0.2 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.4 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	42.4 ug/kg	
58	Bromobenzene	17.20	0.3 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	0.7 ug/kg	
60	1,2,3-Trichloropropane	16.55	0.9 ug/kg	
61	n-Propylbenzene	17.71	0.3 ug/kg	
62	2-Chlorotoluene	17.77	0.3 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82300.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82300 5.0 g COMPOSITE OF 5
Misc Info : 82300 5.0 g COMPOSITE OF 5 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	0.4 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	0.7 ug/kg	
66	tert-Butylbenzene	18.69	0.5 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	0.9 ug/kg	#
68	sec-Butylbenzene	19.11	0.6 ug/kg	
69	1,3-Dichlorobenzene	19.08	0.5 ug/kg	
70	1,4-Dichlorobenzene	19.24	0.7 ug/kg	
71	p-Isopropyltoluene	19.56	1.0 ug/kg	#
72	1,2-Dichlorobenzene	19.86	0.6 ug/kg	
73	n-Butylbenzene	20.25	0.7 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.61	1.2 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

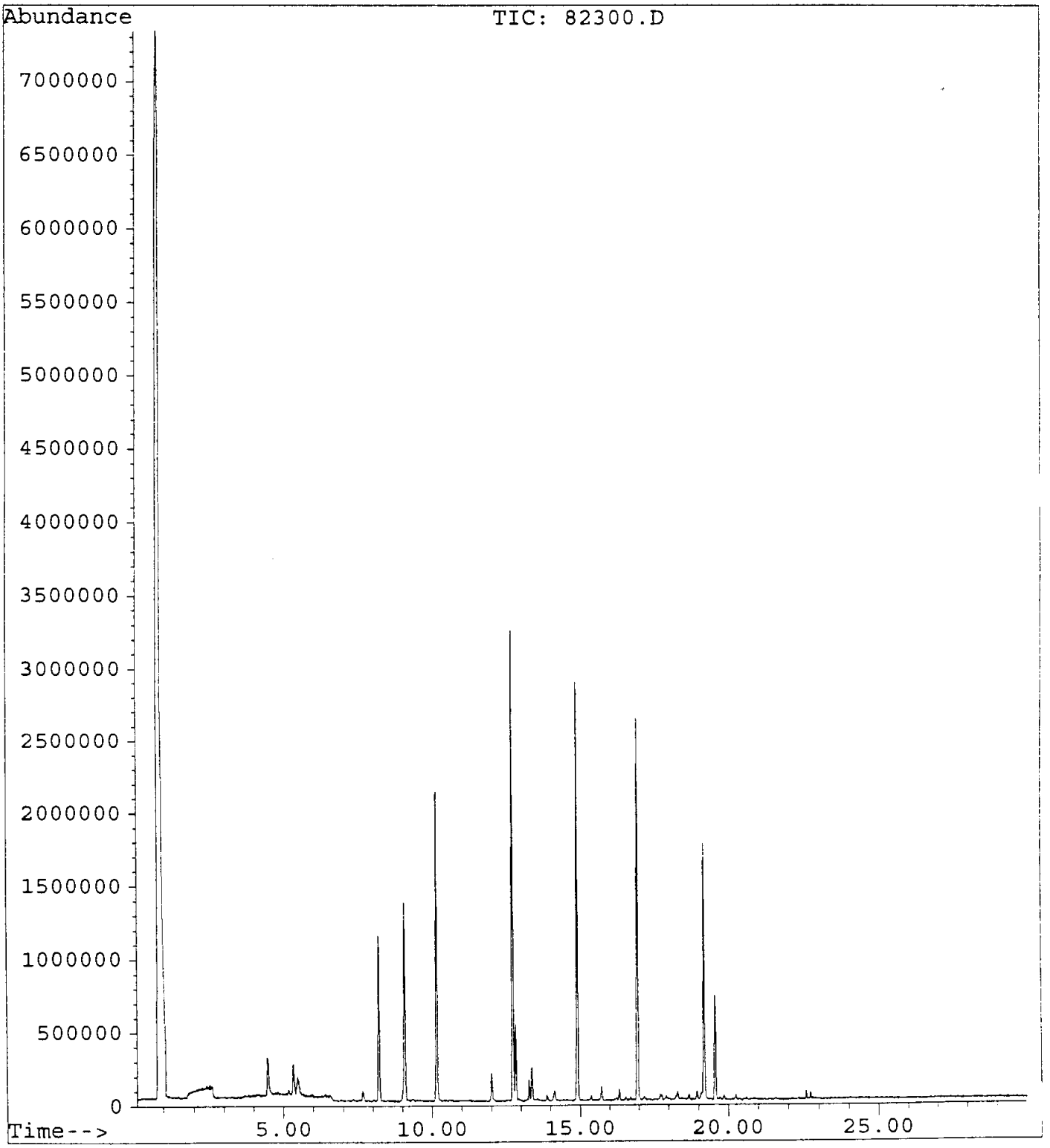
File Name	82300.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 13:01
Method	8260LLS
Misc Info	82300 5.0 g COMPOSITE OF 5 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.070	168.00	Pentafluorobenzene	14826154	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.426	50.00	Chloromethane (SPCC)	23339	0.11	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.983	101.00	Trichlorofluoromethane	41037	0.15	ug/kg	
8	4.162	56.00	Acrolein	61493	3.73	ug/kg	
9	4.927	61.00	1,1-Dichloroethylene (CCC)	45080	0.16	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.478	43.00	Acetone	7621854	108.44	ug/kg	
13	5.334	49.00	Dichloromethane	2212530	1.85	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.347	53.00	Acrylonitrile	440314	9.47	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.331	86.00	Vinyl Acetate	18346	3.16	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.680	61.00	cis-1,2-Dichloroethylene	202038	0.55	ug/kg	
20	7.657	72.00	Methyl Ethyl Ketone	162717	9.31	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.025	83.00	Chloroform (CCC)		137229	0.29	ug/kg	
23	9.001	97.00	1,1,1-Trichloroethane		554254	1.27	ug/kg	
24	8.200	113.00	Dibromofluoromethane (SURR)		9769715	42.25	ug/kg	
25	10.154	114.00	1,4-Difluorobenzene		22814165	40.00	ug/kg	ISTD
26	9.309	75.00	1,1-Dichloropropene		77624	0.27	ug/kg	
27	9.478	117.00	Carbon Tetrachloride		51338	0.17	ug/kg	
28	9.596	78.00	Benzene		86015	0.12	ug/kg	
29	8.920	62.00	1,2-Dichloroethane		53737	0.16	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.443	174.00	Dibromomethane		53309	0.21	ug/kg	
33	10.656	83.00	Dichlorobromomethane		36008	0.10	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.009	43.00	4-Methyl-2-Pentanone		2620765	6.77	ug/kg	
37	12.725	98.00	Toluene-d8 (SURR)		29174408	42.51	ug/kg	
38	12.825	91.00	Toluene (CCC)		5391399	5.87	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.283	99.00	Ethyl Methacrylate		196849	2.79	ug/kg	
41	12.698	97.00	1,1,2-Trichloroethane		82405	0.36	ug/kg	
42	14.903	54.00	Chlorobenzene-d5		7902863	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene		240869	0.48	ug/kg	
44	12.936	76.00	1,3-Dichloropropane		63809	0.18	ug/kg	
45	13.365	43.00	2-Hexanone		3277954	12.72	ug/kg	
46	13.227	129.00	Dibromochloromethane		37702	0.11	ug/kg	
47	13.562	107.00	1,2-Dibromoethane		34249	0.15	ug/kg	
48	14.959	112.00	Chlorobenzene (SPCC)		170776	0.26	ug/kg	

49	14.867	131.00	1,1,1,2-Tetrachloroethane	23433	0.07	ug/kg	
50	15.381	91.00	Ethylbenzene (CCC)	386095	0.35	ug/kg	
51	15.729	106.00	m,p-Xylene	383367	1.05	ug/kg	
52	16.335	91.00	o-Xylene	400388	0.42	ug/kg	
53	16.243	104.00	Styrene	110535	0.19	ug/kg	
54	15.671	173.00	Bromoform (SPCC)	54965	0.16	ug/kg	
55	19.189	152.00	1,4-Dichlorobenzene-d4	9115528	40.00	ug/kg	ISTD
56	16.973	105.00	Isopropylbenzene	327475	0.42	ug/kg	
57	16.945	95.00	4-Bromofluorobenzene (SURR)	11824233	42.35	ug/kg	
58	17.200	158.00	Bromobenzene	87015	0.31	ug/kg	
59	16.308	83.00	1,1,2,2-Tetrachloroethane (SPCC)	186699	0.68	ug/kg	
60	16.548	75.00	1,2,3-Trichloropropane	214913	0.94	ug/kg	
61	17.710	91.00	n-Propylbenzene	441223	0.30	ug/kg	
62	17.771	126.00	2-Chlorotoluene	56768	0.28	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.907	91.00	4-Chlorotoluene	216600	0.37	ug/kg	
65	18.300	105.00	1,3,5-Trimethylbenzene	406568	0.70	ug/kg	
66	18.686	119.00	tert-Butylbenzene	221391	0.49	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene	203215	0.86	ug/kg	
68	19.111	105.00	sec-Butylbenzene	362890	0.62	ug/kg	
69	19.076	146.00	1,3-Dichlorobenzene	199071	0.51	ug/kg	
70	19.239	146.00	1,4-Dichlorobenzene	269334	0.68	ug/kg	
71	19.556	119.00	p-Isopropyltoluene	451895	0.97	ug/kg	
72	19.863	146.00	1,2-Dichlorobenzene	227892	0.65	ug/kg	
73	20.251	91.00	n-Butylbenzene	290563	0.69	ug/kg	
74	20.607	157.00	1,2-Dibromo-3-Chloropropane	102423	1.24	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82300.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 1:01 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82300 5.0 g COMPOSITE OF 5
Misc Info : 82300 5.0 g COMPOSITE OF 5 0718
Vial Number: 1

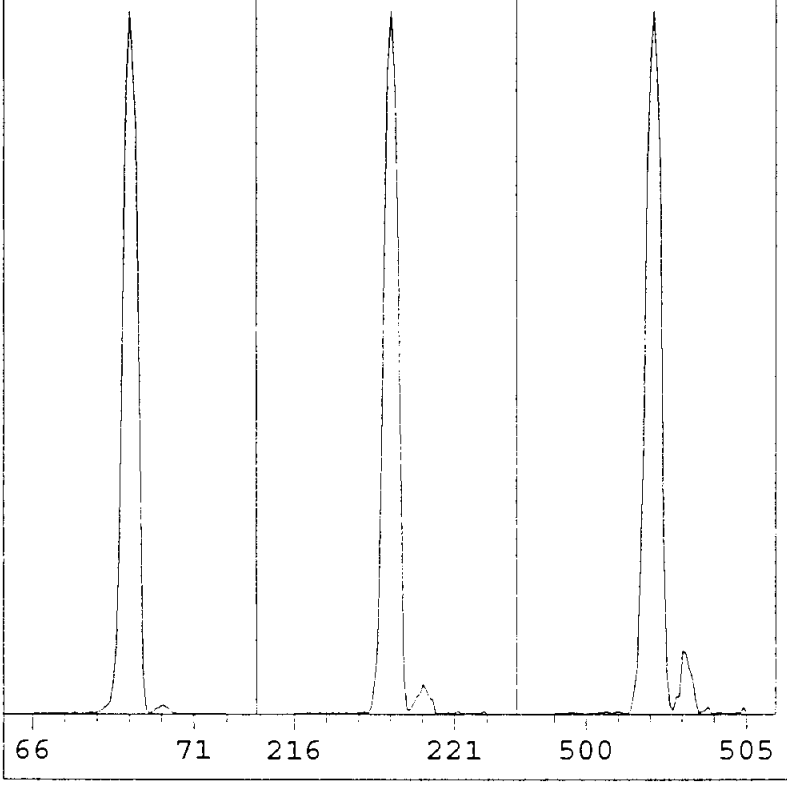


HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Tue Jul 18 09:03:43 1995 C:\HPCHEM\1\5970\ATUNE.U

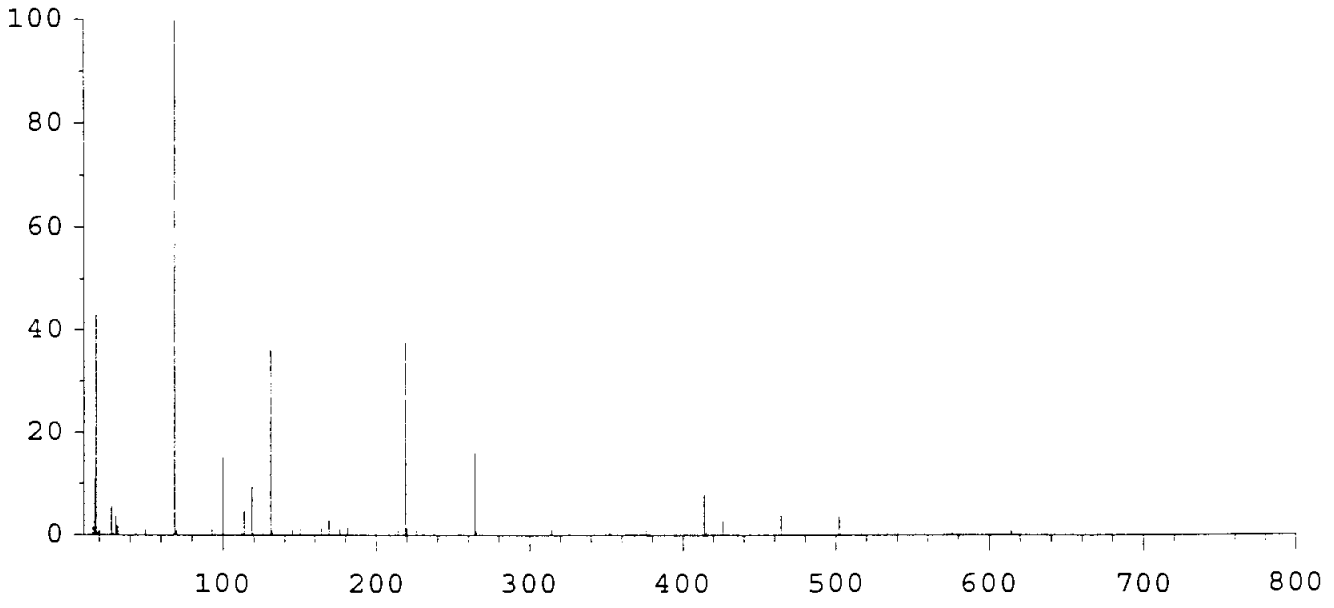
Mass	69.00	Mass	219.00	Mass	502.10
Ab	2242776	%	38.35	%	3.48
Pw50	0.51	Pw50	0.50	Pw50	0.52



EMVolts	2800	AmuGain	89
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	46
MassGain	-197		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

224 peaks Base: 69.00 Abundance: 1733632



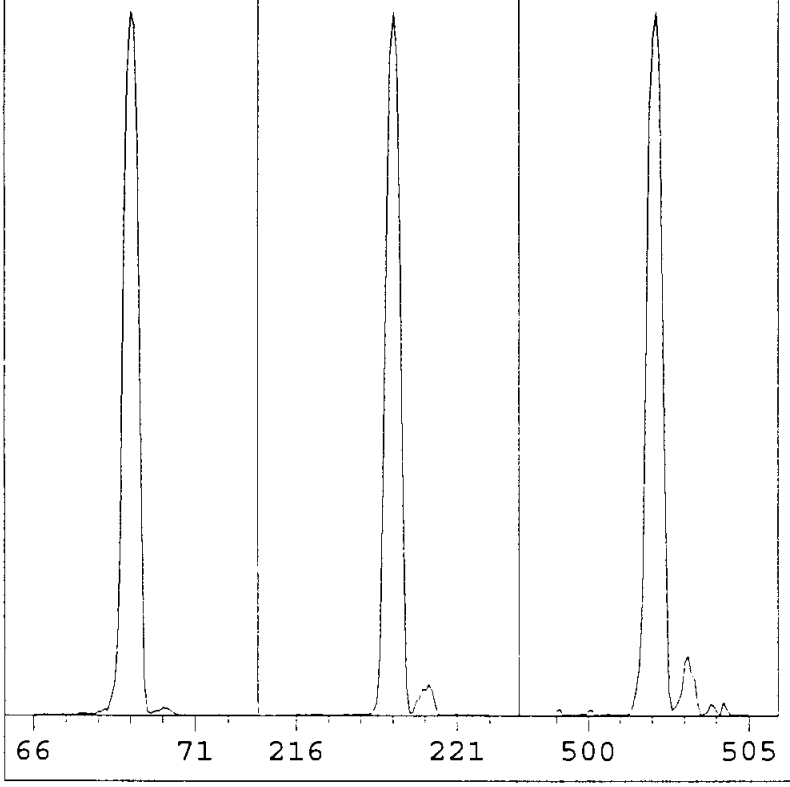
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1733632	100.00	70.00	19712	1.14
218.95	657664	37.94	220.05	25272	3.84
502.00	65136	3.76	503.00	6228	9.56

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Tue Jul 18 09:12:10 1995 C:\HPCHEM\1\5970\ATUNE.U

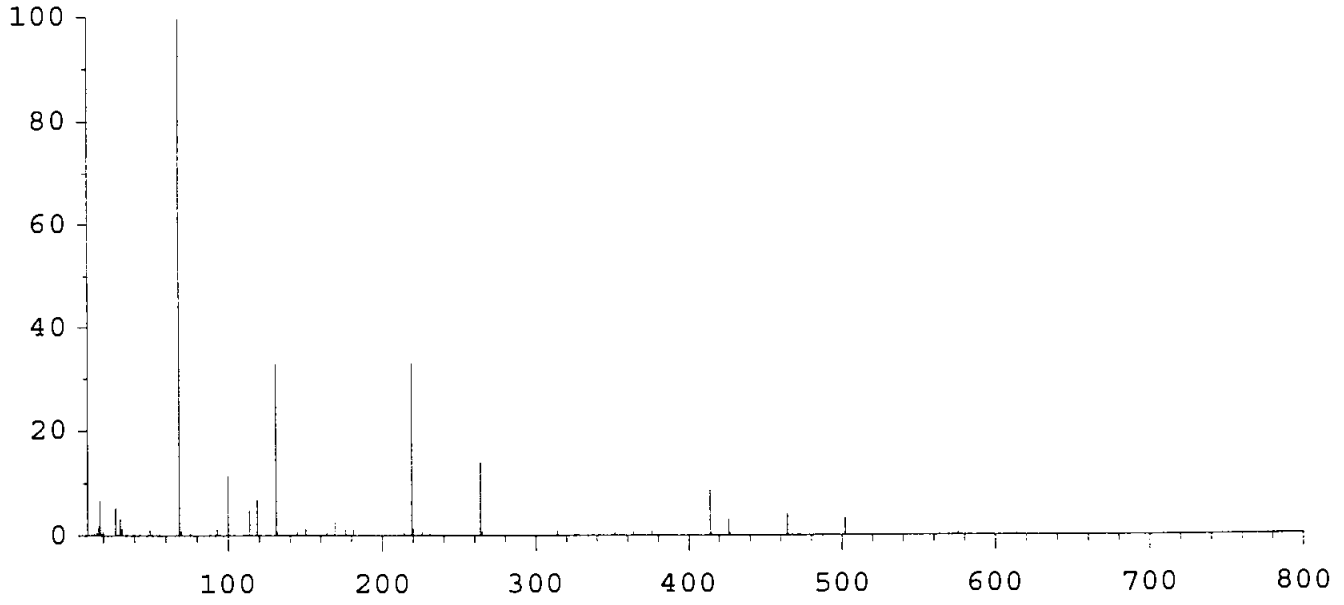
Mass	69.00	Mass	219.00	Mass	502.10
Ab	2107374	%	38.24	%	4.53
Pw50	0.52	Pw50	0.50	Pw50	0.53



EMVolts	2600	AmuGain	88
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	46
MassGain	-197		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

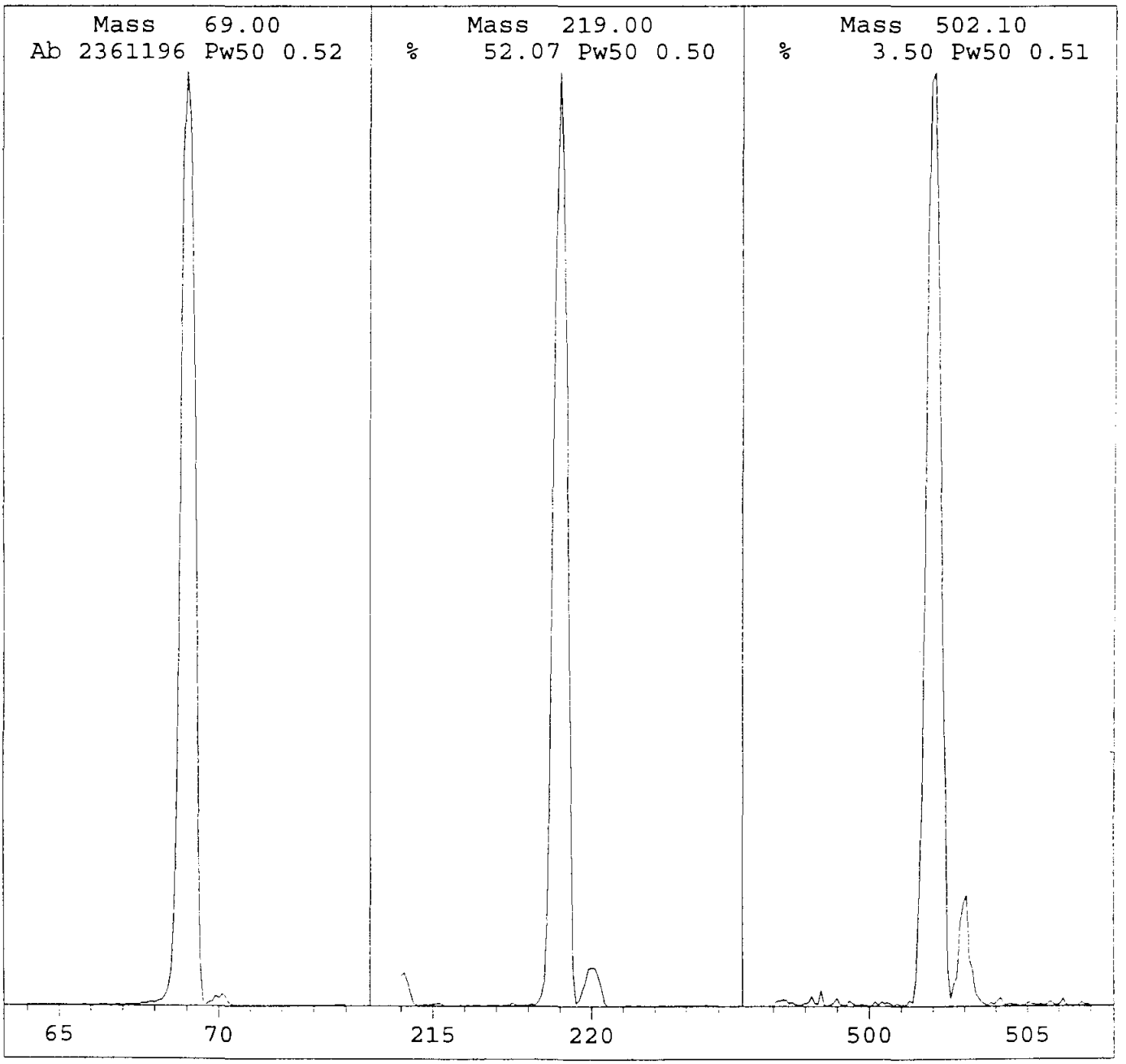
294 peaks Base: 69.00 Abundance: 1870336



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1870336	100.00	70.00	17960	0.96
218.95	624640	33.40	219.95	27880	4.46
502.00	66208	3.54	503.00	5956	9.00

Instrument: 5970 - Instrument1
Tue Jul 18 09:14:19 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2600	AmuGain	88
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	53
MassGain	-197		
MassOffs	15		



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950710-FW-IW-SL0019S(a-g)
Control No: 82347
Sample Date: 7/10/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1402
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	101	69
Acrolein	<69	69
Acrylonitrile	<69	69
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<7	7
2-Butanone (MEK)	<69	69
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<7	7
2-Chloroethylvinyl ether	<27	27
Chloroform	<7	7
Chloromethane	<7	7
Dibromochloromethane	<7	7
1,2-Dibromoethane (EDB)	<7	7
Dibromomethane	<7	7
trans-1,4-Dichloro-2-butene	<34	34
Dichlorodifluoromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
trans-1,2-Dichloroethene	<7	7
1,1-Dichloroethene	<7	7
1,2-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethylbenzene	<7	7
Ethyl methacrylate	<21	21
2-Hexanone	<69	69
Iodomethane	<7	7
Methylene chloride (Dichloromethane)	8	7
4-Methyl-2-pentanone (MIBK)	<69	69

Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Trichlorofluoromethane	<7	7
1,2,3-Trichloropropane	<7	7
Vinyl acetate	<41	41
Vinyl chloride	<7	7
Xylenes	<7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	110.3%	80-120
Toluene-d8	102.8%	81-117
4-Bromofluorobenzene	108.8%	74-121

Percent Solids	73.0%

Approved by: Jerry Hancastle

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82347.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:02 pm using AcqMethod 8260LLS
Sample Name: 82347 5.0 g COMPOSITE OF 7
Misc Info : 82347 5.0 g COMPOSITE OF 7 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.49	0.7 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.19	2.6 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.16	0.6 ug/kg	
11	Iodomethane	4.91	0.9 ug/kg	#
12	Acetone	4.46	74.4 ug/kg	
13	Dichloromethane	5.32	5.9 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.17	0.2 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.3 ug/kg	
23	1,1,1-Trichloroethane	9.00	1.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	44.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82347.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:02 pm using AcqMethod 8260LLS
Sample Name: 82347 5.0 g COMPOSITE OF 7
Misc Info : 82347 5.0 g COMPOSITE OF 7 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.2 ug/kg	#
29	1,2-Dichloroethane	8.99	0.2 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	0.5 ug/kg	#
37	Toluene-d8 (SURR)	12.72	41.1 ug/kg	
38	Toluene (CCC)	12.82	2.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	3.9 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.2 ug/kg	#
51	m,p-Xylene	15.72	0.4 ug/kg	
52	o-Xylene	16.33	0.2 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	***** NOT FOUND *****		
57	4-Bromofluorobenzene (SURR)	16.95	43.5 ug/kg	
58	Bromobenzene	17.12	0.4 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82347.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:02 pm using AcqMethod 8260LLS
Sample Name: 82347 5.0 g COMPOSITE OF 7
Misc Info : 82347 5.0 g COMPOSITE OF 7 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.88	0.4 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.7 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.25	0.7 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.62	0.6 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	82347.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 14:02
Method	8260LLS
Misc Info	82347 5.0 g COMPOSITE OF 7 0718
Bottle Number	1
Number of Compounds	74

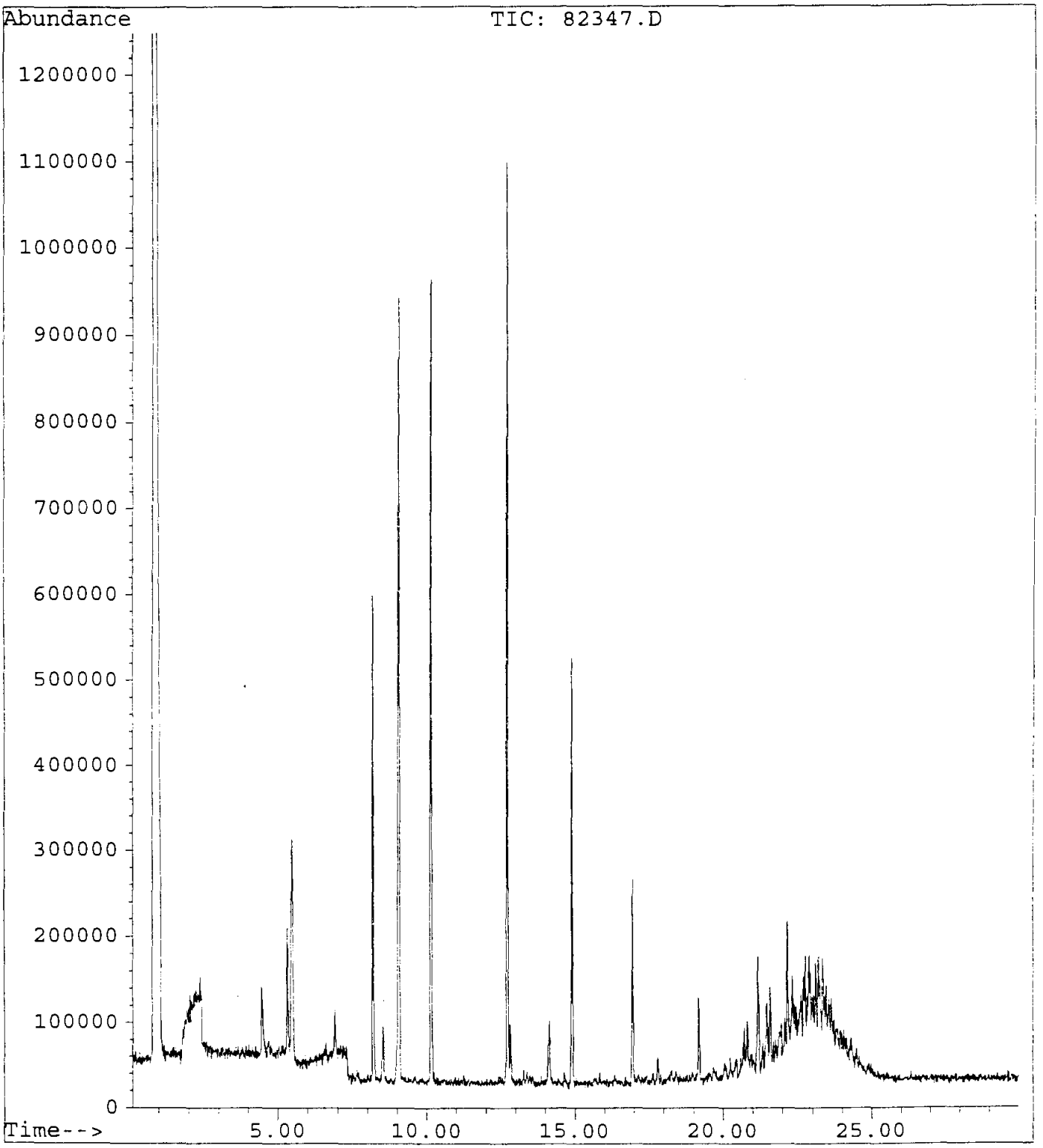
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	9420953	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.486	94.00	Bromomethane	18290	0.65	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.190	56.00	Acrolein	19315	2.57	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.163	78.00	Carbon Disulfide	11574	0.59	ug/kg	
11	4.906	127.00	Iodomethane	50434	0.90	ug/kg	
12	4.465	43.00	Acetone	2373718	74.40	ug/kg	
13	5.320	49.00	Dichloromethane	1658896	5.86	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.174	77.00	2,2-Dichloropropane	21038	0.16	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

000735

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.019	83.00	Chloroform (CCC)		76173	0.35	ug/kg	
23	8.999	97.00	1,1,1-Trichloroethane		369949	1.85	ug/kg	
24	8.191	113.00	Dibromofluoromethane (SURR)		4905935	44.13	ug/kg	
25	10.149	114.00	1,4-Difluorobenzene		9693761	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.595	78.00	Benzene		56014	0.22	ug/kg	
29	8.994	62.00	1,2-Dichloroethane		29444	0.25	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.026	43.00	4-Methyl-2-Pentanone		63650	0.45	ug/kg	
37	12.722	98.00	Toluene-d8 (SURR)		9463485	41.10	ug/kg	
38	12.821	91.00	Toluene (CCC)		682466	2.04	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.904	54.00	Chlorobenzene-d5		1238795	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.373	43.00	2-Hexanone		157998	3.91	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.372	91.00	Ethylbenzene (CCC)		30251	0.18	ug/kg	
51	15.719	106.00	m,p-Xylene		24853	0.43	ug/kg	
52	16.333	91.00	o-Xylene		37072	0.25	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.186	152.00	1,4-Dichlorobenzene-d4		531307	40.00	ug/kg	ISTD
56	0.000	105.00	Isopropylbenzene		0	0.00	ug/kg	
57	16.947	95.00	4-Bromofluorobenzene (SURR)		997690	43.51	ug/kg	
58	17.122	158.00	Bromobenzene		11340	0.40	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.879	91.00	4-Chlorotoluene		25522	0.43	ug/kg	
65	18.296	105.00	1,3,5-Trimethylbenzene		38869	0.66	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.251	91.00	n-Butylbenzene		33167	0.72	ug/kg	
74	20.623	157.00	1,2-Dibromo-3-Chloropropane		4821	0.60	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82347.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:02 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82347 5.0 g COMPOSITE OF 7
Misc Info : 82347 5.0 g COMPOSITE OF 7 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950711-FW-IW-SL0019D(A-D)
Control No: 82389
Sample Date: 7/11/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1448
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	72	66
Acrolein	<66	66
Acrylonitrile	<66	66
Benzene	<7	7
Bromodichloromethane	<7	7
Bromoform	<7	7
Bromomethane	<7	7
2-Butanone (MEK)	<66	66
Carbon disulfide	<7	7
Carbon tetrachloride	<7	7
Chlorobenzene	<7	7
Chloroethane	<7	7
2-Chloroethylvinyl ether	<26	26
Chloroform	<7	7
Chloromethane	<7	7
Dibromochloromethane	<7	7
1,2-Dibromoethane (EDB)	<7	7
Dibromomethane	<7	7
trans-1,4-Dichloro-2-butene	<33	33
Dichlorodifluoromethane	<7	7
1,1-Dichloroethane	<7	7
1,2-Dichloroethane	<7	7
trans-1,2-Dichloroethene	<7	7
1,1-Dichloroethene	<7	7
1,2-Dichloropropene	<7	7
trans-1,3-Dichloropropene	<7	7
Ethylbenzene	<7	7
Ethyl methacrylate	<20	20
2-Hexanone	<66	66
Iodomethane	<7	7
Methylene chloride (Dichloromethane)	<7	7
4-Methyl-2-pentanone (MIBK)	<66	66

Styrene	<7	7
1,1,2,2-Tetrachloroethane	<7	7
Tetrachloroethene	<7	7
Toluene	<7	7
1,1,1-Trichloroethane	<7	7
1,1,2-Trichloroethane	<7	7
Trichloroethene	<7	7
Trichlorofluoromethane	<7	7
1,2,3-Trichloropropane	<7	7
Vinyl acetate	<39	39
Vinyl chloride	<7	7
Xylenes	<7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	108.9%	80-120
Toluene-d8	95.8%	81-117
4-Bromofluorobenzene	100.8%	74-121
Percent Solids	76.0%	

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82389.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:48 pm using AcqMethod 8260LLS
Sample Name: 82389 5.0 g COMPOSITE OF 4
Misc Info : 82389 5.0 g COMPOSITE OF 4 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	0.5 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.82	0.3 ug/kg	#
12	Acetone	4.49	55.1 ug/kg	
13	Dichloromethane	5.32	1.7 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.88	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.1 ug/kg	
23	1,1,1-Trichloroethane	8.99	0.2 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	43.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82389.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:48 pm using AcqMethod 8260LLS
Sample Name: 82389 5.0 g COMPOSITE OF 4
Misc Info : 82389 5.0 g COMPOSITE OF 4 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.56	0.1 ug/kg	#
29	1,2-Dichloroethane	9.05	-0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.00	0.2 ug/kg	#
37	Toluene-d8 (SURR)	12.72	38.3 ug/kg	
38	Toluene (CCC)	12.82	1.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	12.70	0.3 ug/kg	#
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.36	0.1 ug/kg	#
46	Dibromochloromethane	13.19	0.0 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.1 ug/kg	#
51	m,p-Xylene	15.72	0.2 ug/kg	
52	o-Xylene	16.31	0.1 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	40.3 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.39	0.1 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82389.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:48 pm using AcqMethod 8260LLS
Sample Name: 82389 5.0 g COMPOSITE OF 4
Misc Info : 82389 5.0 g COMPOSITE OF 4 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	18.28	0.1 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.85	0.0 ug/kg	#
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.24	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

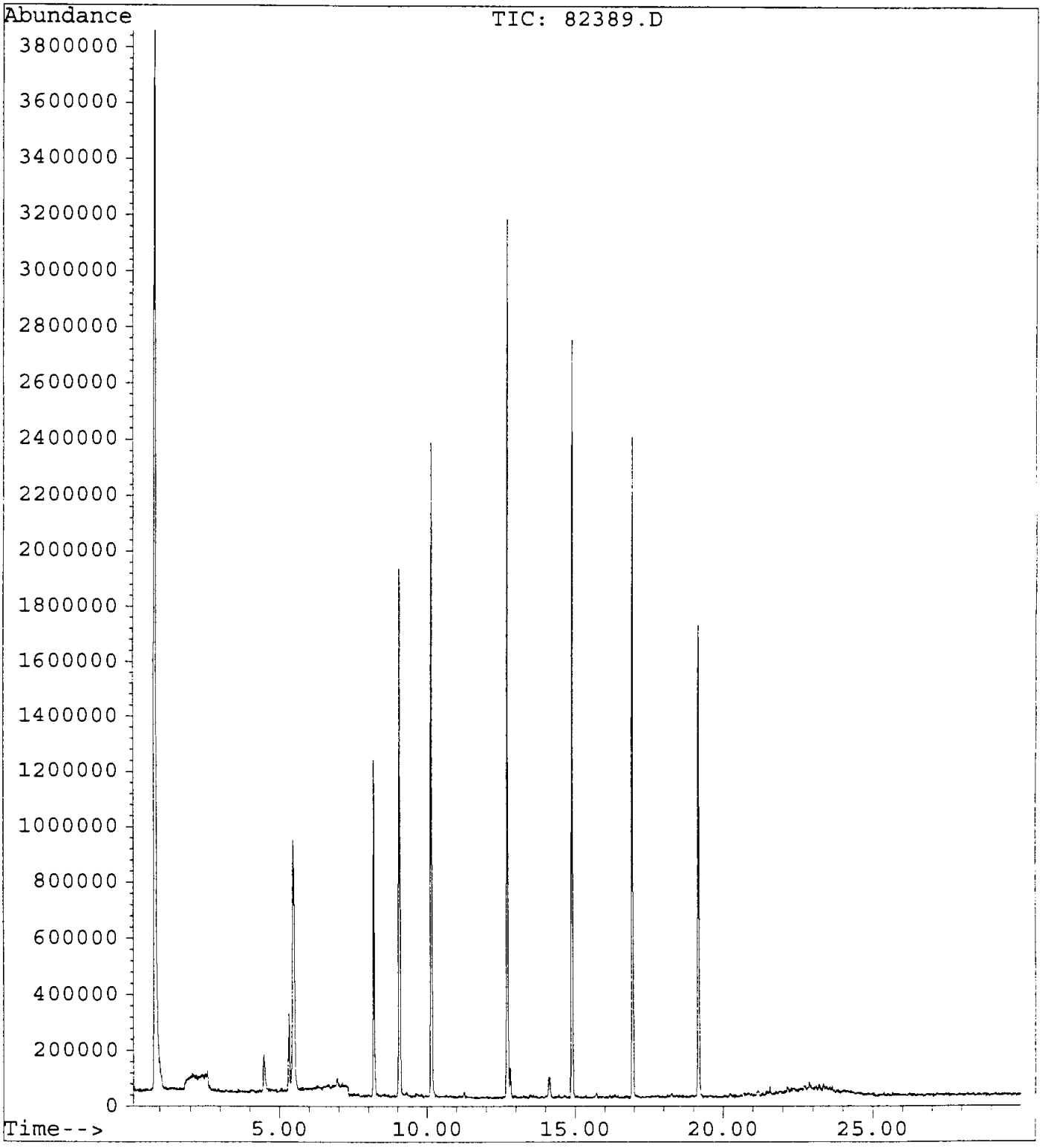
File Name	82389.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 14:48
Method	8260LLS
Misc Info	82389 5.0 g COMPOSITE OF 4 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.057	168.00	Pentafluorobenzene	20343442	40.00	ug/kg	*ISTD
2	1.173	85.00	Dichlorodifluoromethane	47328	0.53	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.821	127.00	Iodomethane	38475	0.32	ug/kg	
12	4.486	43.00	Acetone	3773484	55.07	ug/kg	
13	5.323	49.00	Dichloromethane	2721292	1.74	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.884	63.00	1,1-Dichloroethane (SPCC)	31414	0.10	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.016	83.00	Chloroform (CCC)		69709	0.15	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane		96443	0.22	ug/kg	
24	8.185	113.00	Dibromofluoromethane (SURR)		10454390	43.55	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		24835156	40.00	ug/kg	ISTD
26	9.287	75.00	1,1-Dichloropropene		63940	0.21	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.565	78.00	Benzene		52823	0.07	ug/kg	
29	9.050	62.00	1,2-Dichloroethane		-10583	-0.03	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.999	43.00	4-Methyl-2-Pentanone		98016	0.23	ug/kg	
37	12.715	98.00	Toluene-d8 (SURR)		28619679	38.31	ug/kg	
38	12.815	91.00	Toluene (CCC)		1141041	1.13	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	12.697	97.00	1,1,2-Trichloroethane		75124	0.30	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		7699247	40.00	ug/kg	ISTD
43	13.874	166.00	Tetrachloroethylene		45519	0.09	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.364	43.00	2-Hexanone		27423	0.11	ug/kg	
46	13.187	129.00	Dibromochloromethane		11290	0.03	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.938	112.00	Chlorobenzene (SPCC)		26250	0.04	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.361	91.00	Ethylbenzene (CCC)	70492	0.07	ug/kg	
51	15.723	106.00	m,p-Xylene	80852	0.23	ug/kg	
52	16.312	91.00	o-Xylene	71142	0.08	ug/kg	
53	0.000	104.00	Styrene	0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.175	152.00	1,4-Dichlorobenzene-d4	8916999	40.00	ug/kg	ISTD
56	16.967	105.00	Isopropylbenzene	75231	0.10	ug/kg	
57	16.936	95.00	4-Bromofluorobenzene (SURR)	11012621	40.32	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	16.387	83.00	1,1,2,2-Tetrachloroethane (SPCC)	21058	0.08	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.695	91.00	n-Propylbenzene	30044	0.02	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene	0	0.00	ug/kg	
65	18.283	105.00	1,3,5-Trimethylbenzene	50475	0.09	ug/kg	
66	0.000	119.00	tert-Butylbenzene	0	0.00	ug/kg	
67	18.853	120.00	1,2,4-Trimethylbenzene	10853	0.05	ug/kg	
68	19.101	105.00	sec-Butylbenzene	40068	0.07	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene	0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene	0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene	0	0.00	ug/kg	
73	20.236	91.00	n-Butylbenzene	62259	0.15	ug/kg	
74	20.603	157.00	1,2-Dibromo-3-Chloropropane	1278	0.02	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82389.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 2:48 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82389 5.0 g COMPOSITE OF 4
Misc Info : 82389 5.0 g COMPOSITE OF 4 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950711-FW-IW-SL0026(a-b)
Control No: 82391
Sample Date: 7/11/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1614
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	<56	56
Acrolein	<56	56
Acrylonitrile	<56	56
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<56	56
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<22	22
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<28	28
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<17	17
2-Hexanone	<56	56
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	9	6
4-Methyl-2-pentanone (MIBK)	<56	56

G 5

000748

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<34	34
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	103.7%	80-120
Toluene-d8	93.2%	81-117
4-Bromofluorobenzene	108.2%	74-121
Percent Solids	89.0%	

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82391.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 4:14 pm using AcqMethod 8260LLS
Sample Name: 82391 5.0 g COMPOSITE OF 2
Misc Info : 82391 5.0 g COMPOSITE OF 2 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.44	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.18	3.1 ug/kg	#
9	1,1-Dichloroethylene (CCC)	4.94	0.2 ug/kg	#
10	Carbon Disulfide	5.18	0.7 ug/kg	#
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.46	39.5 ug/kg	
13	Dichloromethane	5.32	7.5 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.32	5.9 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.86	0.2 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.69	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.65	5.5 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.2 ug/kg	
23	1,1,1-Trichloroethane	9.00	0.5 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	41.5 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
6	1,1-Dichloropropene	9.30	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82391.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 4:14 pm using AcqMethod 8260LLS
Sample Name: 82391 5.0 g COMPOSITE OF 2
Misc Info : 82391 5.0 g COMPOSITE OF 2 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	8.91	2.3 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.39	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	2.6 ug/kg	
37	Toluene-d8 (SURR)	12.72	37.3 ug/kg	
38	Toluene (CCC)	12.82	2.5 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.27	0.9 ug/kg	
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	5.9 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.2 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	16.32	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	15.66	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.0 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	43.3 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	0.2 ug/kg	#
60	1,2,3-Trichloropropane	16.55	0.3 ug/kg	#
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82391.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 4:14 pm using AcqMethod 8260LLS
Sample Name: 82391 5.0 g COMPOSITE OF 2
Misc Info : 82391 5.0 g COMPOSITE OF 2 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.61	0.3 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

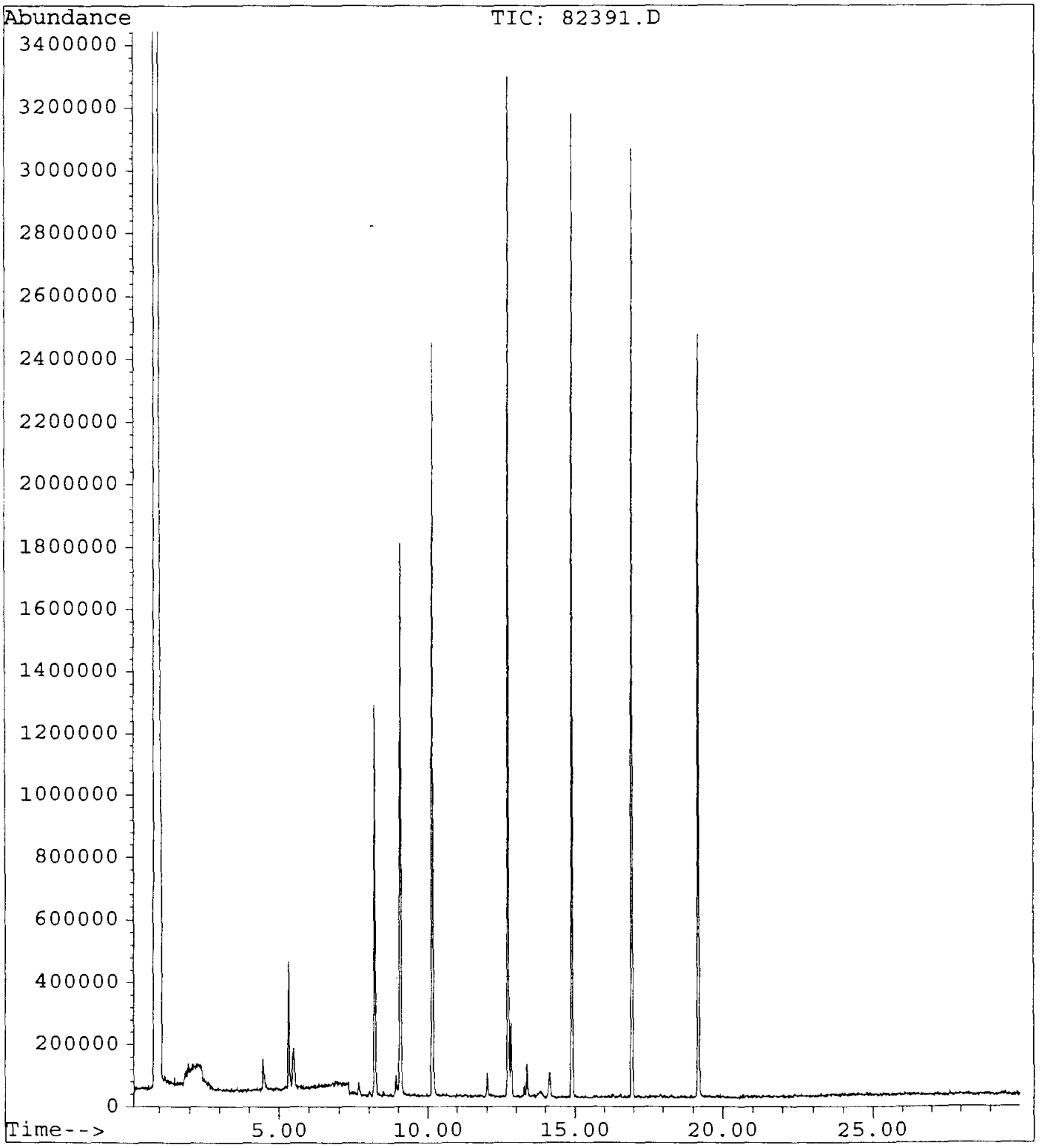
File Name	82391.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 16:14
Method	8260LLS
Misc Info	82391 5.0 g COMPOSITE OF 2 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	19263859	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.443	50.00	Chloromethane (SPCC)	41420	0.18	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.180	56.00	Acrolein	57055	3.07	ug/kg	
9	4.939	61.00	1,1-Dichloroethylene (CCC)	59111	0.18	ug/kg	
10	5.181	78.00	Carbon Disulfide	35875	0.75	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.461	43.00	Acetone	3073032	39.54	ug/kg	
13	5.324	49.00	Dichloromethane	4000593	7.52	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.322	53.00	Acrylonitrile	308354	5.90	ug/kg	
16	6.856	63.00	1,1-Dichloroethane (SPCC)	57808	0.17	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.693	61.00	cis-1,2-Dichloroethylene	51614	0.12	ug/kg	
20	7.650	72.00	Methyl Ethyl Ketone	107845	5.49	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.020	83.00	Chloroform (CCC)		104926	0.19	ug/kg	
23	8.996	97.00	1,1,1-Trichloroethane		263230	0.53	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		10785598	41.48	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene		25309036	40.00	ug/kg	ISTD
26	9.303	75.00	1,1-Dichloropropene		36780	0.12	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	8.910	62.00	1,2-Dichloroethane		836379	2.28	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	10.393	63.00	1,2-Dichloropropane (CCC)		17728	0.07	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.009	43.00	4-Methyl-2-Pentanone		1103872	2.57	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)		28369881	37.26	ug/kg	
38	12.820	91.00	Toluene (CCC)		2519540	2.46	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.272	99.00	Ethyl Methacrylate		66978	0.86	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		8370380	40.00	ug/kg	ISTD
43	13.866	166.00	Tetrachloroethylene		24442	0.05	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.369	43.00	2-Hexanone		1610998	5.90	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.937	112.00	Chlorobenzene (SPCC)		133402	0.19	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.364	91.00	Ethylbenzene (CCC)		41005	0.04	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	16.319	91.00	o-Xylene		28466	0.03	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	15.663	173.00	Bromoform (SPCC)		36643	0.10	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		12060474	40.00	ug/kg	ISTD
56	16.939	105.00	Isopropylbenzene		10262	0.01	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)		13386628	43.27	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	16.318	83.00	1,1,2,2-Tetrachloroethane (SPCC)		61167	0.20	ug/kg	
60	16.549	75.00	1,2,3-Trichloropropane		83972	0.33	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.906	91.00	4-Chlorotoluene		13319	0.02	ug/kg	
65	18.299	105.00	1,3,5-Trimethylbenzene		45288	0.07	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.235	91.00	n-Butylbenzene		15033	0.03	ug/kg	
74	20.608	157.00	1,2-Dibromo-3-Chloropropane		29749	0.33	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82391.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 4:14 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82391 5.0 g COMPOSITE OF 2
Misc Info : 82391 5.0 g COMPOSITE OF 2 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950713-FW-IW-SL0027(a-f)
Control No: 82516
Sample Date: 7/13/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1830
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	77	77
Acrolein	<77	77
Acrylonitrile	<77	77
Benzene	<8	8
Bromodichloromethane	<8	8
Bromoform	<8	8
Bromomethane	<8	8
2-Butanone (MEK)	<77	77
Carbon disulfide	<8	8
Carbon tetrachloride	<8	8
Chlorobenzene	<8	8
Chloroethane	<8	8
2-Chloroethylvinyl ether	<31	31
Chloroform	<8	8
Chloromethane	<8	8
Dibromochloromethane	<8	8
1,2-Dibromoethane (EDB)	<8	8
Dibromomethane	<8	8
trans-1,4-Dichloro-2-butene	<38	38
Dichlorodifluoromethane	<8	8
1,1-Dichloroethane	<8	8
1,2-Dichloroethane	<8	8
trans-1,2-Dichloroethene	<8	8
1,1-Dichloroethene	<8	8
1,2-Dichloropropene	<8	8
trans-1,3-Dichloropropene	<8	8
Ethylbenzene	<8	8
Ethyl methacrylate	<23	23
2-Hexanone	<77	77
Iodomethane	<8	8
Methylene chloride (Dichloromethane)	<8	8
4-Methyl-2-pentanone (MIBK)	<77	77

Styrene	<8	8
1,1,2,2-Tetrachloroethane	<8	8
Tetrachloroethene	<8	8
Toluene	<8	8
1,1,1-Trichloroethane	<8	8
1,1,2-Trichloroethane	<8	8
Trichloroethene	<8	8
Trichlorofluoromethane	<8	8
1,2,3-Trichloropropane	<8	8
Vinyl acetate	<46	46
Vinyl chloride	<8	8
Xylenes	<8	8

Surrogate Recoveries		**Range**
Dibromofluoromethane	100.8%	80-120
Toluene-d8	108.2%	81-117
4-Bromofluorobenzene	99.1%	74-121
Percent Solids	65.0%	

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 6:30 pm using AcqMethod 8260LLS
Sample Name: 82516 5.0 g COMPOSITE OF 6
Misc Info : 82516 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.40	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.93	0.1 ug/kg	#
8	Acrolein	4.16	2.9 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.95	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.46	28.5 ug/kg	
13	Dichloromethane	5.31	-3.4 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.32	5.7 ug/kg	
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.66	0.2 ug/kg	
20	Methyl Ethyl Ketone	7.64	6.7 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	
23	1,1,1-Trichloroethane	8.97	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	40.3 ug/kg	
25	1,4-Difluorobenzene	10.13	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.26	0.2 ug/kg	#

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 6:30 pm using AcqMethod 8260LLS
Sample Name: 82516 5.0 g COMPOSITE OF 6
Misc Info : 82516 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.50	0.1 ug/kg	#
28	Benzene	9.57	0.2 ug/kg	#
29	1,2-Dichloroethane	9.05	0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.40	0.1 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.40	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	11.99	3.9 ug/kg	
37	Toluene-d8 (SURR)	12.71	43.3 ug/kg	
38	Toluene (CCC)	12.81	1.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.26	1.2 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.35	10.3 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	13.54	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	14.93	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.35	0.2 ug/kg	
51	m,p-Xylene	15.71	0.8 ug/kg	
52	o-Xylene	16.31	0.3 ug/kg	
53	Styrene	16.24	0.1 ug/kg	#
54	Bromoform (SPCC)	15.65	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	39.6 ug/kg	
58	Bromobenzene	17.17	0.2 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	0.3 ug/kg	#
60	1,2,3-Trichloropropane	16.54	0.1 ug/kg	#
61	n-Propylbenzene	17.70	0.1 ug/kg	
62	2-Chlorotoluene	17.74	0.2 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82516.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 6:30 pm using AcqMethod 8260LLS
Sample Name: 82516 5.0 g COMPOSITE OF 6
Misc Info : 82516 5.0 g COMPOSITE OF 6 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.88	0.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.28	0.3 ug/kg	
66	tert-Butylbenzene	18.68	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.94	0.4 ug/kg	
68	sec-Butylbenzene	19.08	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.06	0.2 ug/kg	#
70	1,4-Dichlorobenzene	19.21	0.2 ug/kg	#
71	p-Isopropyltoluene	19.53	0.1 ug/kg	
72	1,2-Dichlorobenzene	19.84	0.2 ug/kg	#
73	n-Butylbenzene	20.24	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.5 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

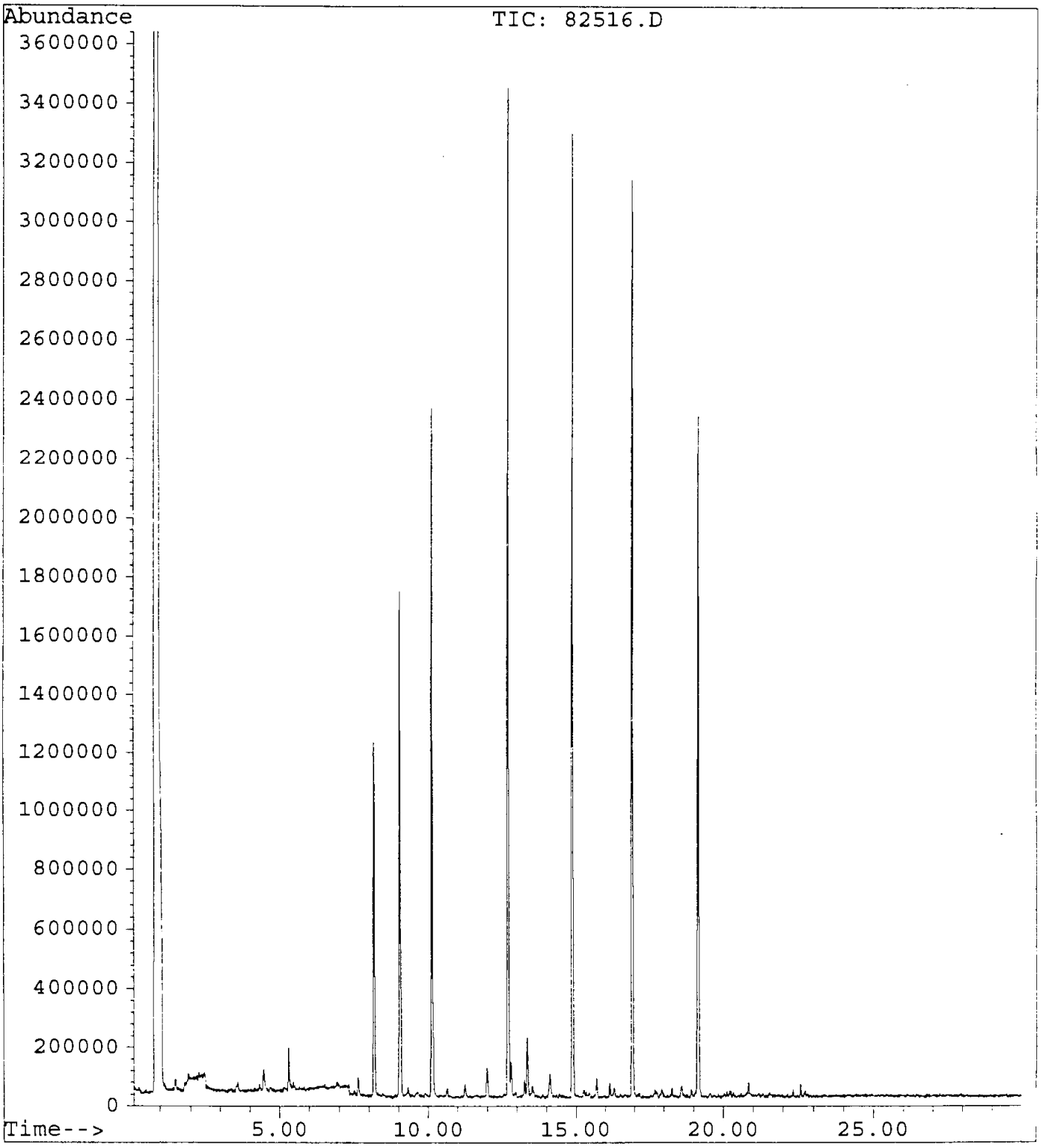
File Name	82516.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 18:30
Method	8260LLS
Misc Info	82516 5.0 g COMPOSITE OF 6 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.050	168.00	Pentafluorobenzene	17909977	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.403	50.00	Chloromethane (SPCC)	50631	0.21	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.932	101.00	Trichlorofluoromethane	24664	0.08	ug/kg	
8	4.160	56.00	Acrolein	54638	2.88	ug/kg	
9	4.952	61.00	1,1-Dichloroethylene (CCC)	34146	0.10	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.462	43.00	Acetone	2252965	28.49	ug/kg	
13	5.314	49.00	Dichloromethane	1139583	-3.42	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.317	53.00	Acrylonitrile	305255	5.72	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.656	61.00	cis-1,2-Dichloroethylene	67940	0.16	ug/kg	
20	7.637	72.00	Methyl Ethyl Ketone	134128	6.68	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.008	83.00	Chloroform (CCC)		53162	0.10	ug/kg	
23	8.973	97.00	1,1,1-Trichloroethane		59114	0.12	ug/kg	
24	8.178	113.00	Dibromofluoromethane (SURR)		10706885	40.32	ug/kg	
25	10.134	114.00	1,4-Difluorobenzene		24238763	40.00	ug/kg	ISTD
26	9.265	75.00	1,1-Dichloropropene		63353	0.21	ug/kg	
27	9.499	117.00	Carbon Tetrachloride		19615	0.06	ug/kg	
28	9.574	78.00	Benzene		159986	0.21	ug/kg	
29	9.047	62.00	1,2-Dichloroethane		14781	0.04	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.397	174.00	Dibromomethane		23609	0.09	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.398	75.00	trans-1,3-Dichloropropene		25822	0.10	ug/kg	
36	11.994	43.00	4-Methyl-2-Pentanone		1603898	3.90	ug/kg	
37	12.706	98.00	Toluene-d8 (SURR)		31548105	43.27	ug/kg	
38	12.813	91.00	Toluene (CCC)		1173941	1.19	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.263	99.00	Ethyl Methacrylate		88236	1.18	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.886	54.00	Chlorobenzene-d5		8847353	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		37507	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.352	43.00	2-Hexanone		2960887	10.26	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	13.536	107.00	1,2-Dibromoethane		23930	0.09	ug/kg	
48	14.932	112.00	Chlorobenzene (SPCC)		110724	0.15	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.353	91.00	Ethylbenzene (CCC)	234604	0.19	ug/kg	
51	15.707	106.00	m,p-Xylene	313055	0.76	ug/kg	
52	16.313	91.00	o-Xylene	275357	0.26	ug/kg	
53	16.236	104.00	Styrene	82347	0.13	ug/kg	
54	15.645	173.00	Bromoform (SPCC)	36449	0.09	ug/kg	
55	19.167	152.00	1,4-Dichlorobenzene-d4	12053049	40.00	ug/kg	ISTD
56	16.940	105.00	Isopropylbenzene	155988	0.15	ug/kg	
57	16.929	95.00	4-Bromofluorobenzene (SURR)	14632193	39.64	ug/kg	
58	17.168	158.00	Bromobenzene	61842	0.16	ug/kg	
59	16.312	83.00	1,1,2,2-Tetrachloroethane (SPCC)	95191	0.26	ug/kg	
60	16.536	75.00	1,2,3-Trichloropropane	37849	0.13	ug/kg	
61	17.695	91.00	n-Propylbenzene	172291	0.09	ug/kg	
62	17.743	126.00	2-Chlorotoluene	42334	0.16	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.882	91.00	4-Chlorotoluene	138036	0.18	ug/kg	
65	18.284	105.00	1,3,5-Trimethylbenzene	221723	0.29	ug/kg	
66	18.684	119.00	tert-Butylbenzene	55100	0.09	ug/kg	
67	18.938	120.00	1,2,4-Trimethylbenzene	120867	0.39	ug/kg	
68	19.076	105.00	sec-Butylbenzene	63283	0.08	ug/kg	
69	19.064	146.00	1,3-Dichlorobenzene	99113	0.19	ug/kg	
70	19.214	146.00	1,4-Dichlorobenzene	112306	0.22	ug/kg	
71	19.534	119.00	p-Isopropyltoluene	84334	0.14	ug/kg	
72	19.841	146.00	1,2-Dichlorobenzene	92875	0.20	ug/kg	
73	20.235	91.00	n-Butylbenzene	122114	0.22	ug/kg	
74	20.592	157.00	1,2-Dibromo-3-Chloropropane	56062	0.51	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82516.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 6:30 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82516 5.0 g COMPOSITE OF 6
Misc Info : 82516 5.0 g COMPOSITE OF 6 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950713-FW-IW-SL0006S(A-C)
Control No: 82518
Sample Date: 7/13/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 1933
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	249	60
Acrolein	<60	60
Acrylonitrile	<60	60
Benzene	<6	6
Bromodichloromethane	<6	6
Bromoform	<6	6
Bromomethane	<6	6
2-Butanone (MEK)	<60	60
Carbon disulfide	<6	6
Carbon tetrachloride	<6	6
Chlorobenzene	<6	6
Chloroethane	<6	6
2-Chloroethylvinyl ether	<24	24
Chloroform	<6	6
Chloromethane	<6	6
Dibromochloromethane	<6	6
1,2-Dibromoethane (EDB)	<6	6
Dibromomethane	<6	6
trans-1,4-Dichloro-2-butene	<30	30
Dichlorodifluoromethane	<6	6
1,1-Dichloroethane	<6	6
1,2-Dichloroethane	<6	6
trans-1,2-Dichloroethene	<6	6
1,1-Dichloroethene	<6	6
1,2-Dichloropropene	<6	6
trans-1,3-Dichloropropene	<6	6
Ethylbenzene	<6	6
Ethyl methacrylate	<18	18
2-Hexanone	<60	60
Iodomethane	<6	6
Methylene chloride (Dichloromethane)	<6	6
4-Methyl-2-pentanone (MIBK)	<60	60

Styrene	<6	6
1,1,2,2-Tetrachloroethane	<6	6
Tetrachloroethene	<6	6
Toluene	<6	6
1,1,1-Trichloroethane	<6	6
1,1,2-Trichloroethane	<6	6
Trichloroethene	<6	6
Trichlorofluoromethane	<6	6
1,2,3-Trichloropropane	<6	6
Vinyl acetate	<36	36
Vinyl chloride	<6	6
Xylenes	<6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	106.0%	80-120
Toluene-d6	108.5%	81-117
4-Bromofluorobenzene	118.6%	74-121

Percent Solids	84.0%

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82518.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 7:33 pm using AcqMethod 8260LLS
Sample Name: 82518 5.0 g COMPOSITE OF 3
Misc Info : 82518 5.0 g COMPOSITE OF 3 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.41	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.91	0.1 ug/kg	
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.95	1.2 ug/kg	#
7	Trichlorofluoromethane	3.98	0.1 ug/kg	#
8	Acrolein	4.23	3.8 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.45	208.9 ug/kg	
13	Dichloromethane	5.32	-7.3 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.64	15.1 ug/kg	
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	#
23	1,1,1-Trichloroethane	9.00	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	42.4 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82518.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 7:33 pm using AcqMethod 8260LLS
Sample Name: 82518 5.0 g COMPOSITE OF 3
Misc Info : 82518 5.0 g COMPOSITE OF 3 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.2 ug/kg	
29	1,2-Dichloroethane	9.04	-0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.00	0.2 ug/kg	
37	Toluene-d8 (SURR)	12.71	43.4 ug/kg	
38	Toluene (CCC)	12.81	1.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	0.8 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	13.60	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.1 ug/kg	#
52	o-Xylene	16.32	0.1 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	47.4 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	0.1 ug/kg	#
62	2-Chlorotoluene	17.74	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82518.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 7:33 pm using AcqMethod 8260LLS
Sample Name: 82518 5.0 g COMPOSITE OF 3
Misc Info : 82518 5.0 g COMPOSITE OF 3 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.92	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.1 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.93	0.1 ug/kg	
68	sec-Butylbenzene	19.08	0.1 ug/kg	
69	1,3-Dichlorobenzene	19.08	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.20	0.2 ug/kg	
71	p-Isopropyltoluene	19.56	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.83	0.0 ug/kg	#
73	n-Butylbenzene	20.26	0.1 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.58	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

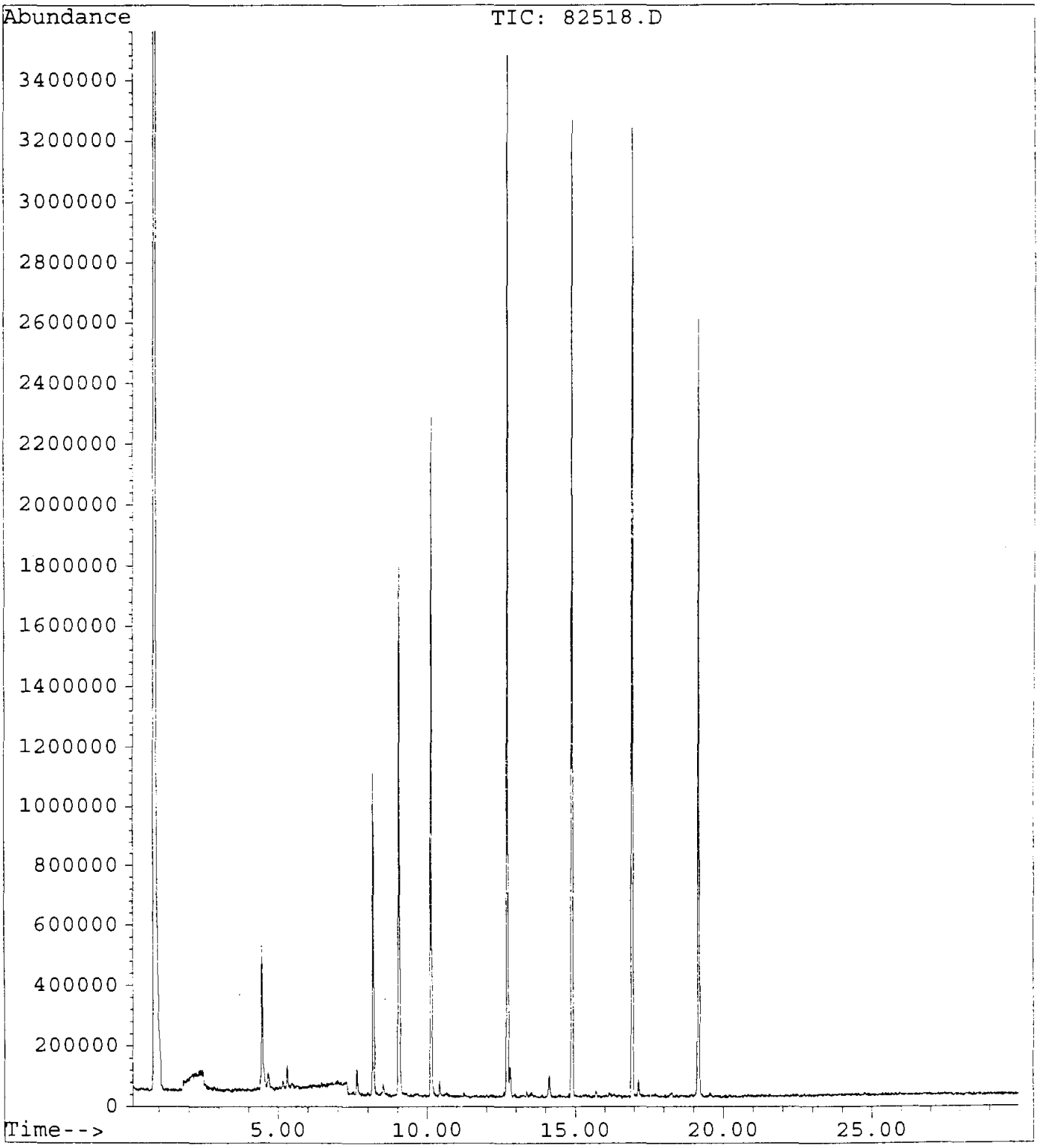
File Name	82518.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 19:33
Method	8260LLS
Misc Info	82518 5.0 g COMPOSITE OF 3 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.053	168.00	Pentafluorobenzene	19006894	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.413	50.00	Chloromethane (SPCC)	42611	0.22	ug/kg	
4	1.908	62.00	Vinyl Chloride (CCC)	12866	0.10	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.954	64.00	Chloroethane	34466	1.18	ug/kg	
7	3.981	101.00	Trichlorofluoromethane	36201	0.14	ug/kg	
8	4.226	56.00	Acrolein	57133	3.76	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.453	43.00	Acetone	13951381	208.86	ug/kg	
13	5.317	49.00	Dichloromethane	885433	-7.26	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.667	61.00	cis-1,2-Dichloroethylene	50051	0.15	ug/kg	
20	7.641	72.00	Methyl Ethyl Ketone	242426	15.06	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.008	83.00	Chloroform (CCC)		54707	0.12	ug/kg	
23	8.999	97.00	1,1,1-Trichloroethane		43748	0.11	ug/kg	
24	8.185	113.00	Dibromofluoromethane (SURR)		9506026	42.39	ug/kg	
25	10.139	114.00	1,4-Difluorobenzene		23265665	40.00	ug/kg	ISTD
26	9.299	75.00	1,1-Dichloropropene		53511	0.18	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.605	78.00	Benzene		109575	0.15	ug/kg	
29	9.037	62.00	1,2-Dichloroethane		-6882	-0.02	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.001	43.00	4-Methyl-2-Pentanone		68950	0.17	ug/kg	
37	12.711	98.00	Toluene-d8 (SURR)		30380442	43.41	ug/kg	
38	12.812	91.00	Toluene (CCC)		982890	1.04	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.890	54.00	Chlorobenzene-d5		8770345	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.366	43.00	2-Hexanone		227985	0.80	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	13.601	107.00	1,2-Dibromoethane		17232	0.07	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.357	91.00	Ethylbenzene (CCC)		82181	0.07	ug/kg	
51	15.728	106.00	m,p-Xylene		52805	0.13	ug/kg	
52	16.318	91.00	o-Xylene		75710	0.07	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.171	152.00	1,4-Dichlorobenzene-d4		13084756	40.00	ug/kg	ISTD
56	16.955	105.00	Isopropylbenzene		89140	0.10	ug/kg	
57	16.932	95.00	4-Bromofluorobenzene (SURR)		14421423	47.44	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.703	91.00	n-Propylbenzene		111725	0.06	ug/kg	
62	17.739	126.00	2-Chlorotoluene		26356	0.11	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.916	91.00	4-Chlorotoluene		34161	0.05	ug/kg	
65	18.287	105.00	1,3,5-Trimethylbenzene		67622	0.10	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.934	120.00	1,2,4-Trimethylbenzene		29979	0.10	ug/kg	
68	19.076	105.00	sec-Butylbenzene		47211	0.07	ug/kg	
69	19.080	146.00	1,3-Dichlorobenzene		42836	0.09	ug/kg	
70	19.205	146.00	1,4-Dichlorobenzene		76993	0.16	ug/kg	
71	19.556	119.00	p-Isopropyltoluene		49510	0.09	ug/kg	
72	19.829	146.00	1,2-Dichlorobenzene		14327	0.03	ug/kg	
73	20.259	91.00	n-Butylbenzene		41018	0.08	ug/kg	
74	20.580	157.00	1,2-Dibromo-3-Chloropropane		23558	0.24	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82518.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 7:33 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82518 5.0 g COMPOSITE OF 3
Misc Info : 82518 5.0 g COMPOSITE OF 3 0718
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205)699-6647

Geraghty & Miller, Inc.
14497 North Dale Mabry Hwy.
Suite 115
Tampa, Florida 33618
Attention: Cynthia Lee

Date: 8/23/95
ID number: 950714-FW-IW-SL0006D(A-I)
Control No: 82572
Sample Date: 7/14/95
Sampled by: K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson 18-July-95 2022
Units ug/kg dw

COMPOUNDS	RESULTS	DETECTION LIMIT
Acetone	167	53
Acrolein	<53	53
Acrylonitrile	<53	53
Benzene	<5	5
Bromodichloromethane	<5	5
Bromoform	<5	5
Bromomethane	<5	5
2-Butanone (MEK)	<53	53
Carbon disulfide	<5	5
Carbon tetrachloride	<5	5
Chlorobenzene	<5	5
Chloroethane	<5	5
2-Chloroethylvinyl ether	<21	21
Chloroform	<5	5
Chloromethane	<5	5
Dibromochloromethane	<5	5
1,2-Dibromoethane (EDB)	<5	5
Dibromomethane	<5	5
trans-1,4-Dichloro-2-butene	<27	27
Dichlorodifluoromethane	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethane	<5	5
trans-1,2-Dichloroethene	<5	5
1,1-Dichloroethene	<5	5
1,2-Dichloropropene	<5	5
trans-1,3-Dichloropropene	<5	5
Ethylbenzene	<5	5
Ethyl methacrylate	<16	16
2-Hexanone	<53	53
Iodomethane	<5	5
Methylene chloride (Dichloromethane)	<5	5
4-Methyl-2-pentanone (MIBK)	<53	53

Styrene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Tetrachloroethene	<5	5
Toluene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Trichlorofluoromethane	<5	5
1,2,3-Trichloropropane	<5	5
Vinyl acetate	<32	32
Vinyl chloride	<5	5
Xylenes	<5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	101.1%	80-120
Toluene-d5	101.7%	81-117
4-Bromofluorobenzene	96.6%	74-121
Percent Solids	94.0%	

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82572.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 8:22 pm using AcqMethod 8260LLS
Sample Name: 82572 5.0 g COMPOSITE OF 9
Misc Info : 82572 5.0 g COMPOSITE OF 9 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.41	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.85	0.3 ug/kg	#
5	Bromomethane	2.48	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.85	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.96	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.43	157.3 ug/kg	
13	Dichloromethane	5.32	-4.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.31	0.4 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.90	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.65	10.1 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	7.99	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.98	0.2 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	40.4 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82572.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 8:22 pm using AcqMethod 8260LLS
Sample Name: 82572 5.0 g COMPOSITE OF 9
Misc Info : 82572 5.0 g COMPOSITE OF 9 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.58	0.1 ug/kg	#
29	1,2-Dichloroethane	9.04	0.2 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.87	0.2 ug/kg	#
37	Toluene-d8 (SURR)	12.71	40.7 ug/kg	
38	Toluene (CCC)	12.82	3.9 ug/kg	
39	cis-1,3-Dichloropropene	11.76	0.1 ug/kg	#
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	13.42	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.6 ug/kg	
51	m,p-Xylene	15.71	4.2 ug/kg	
52	o-Xylene	16.32	1.9 ug/kg	
53	Styrene	16.32	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.2 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	38.6 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	0.2 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0718\82572.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 8:22 pm using AcqMethod 8260LLS
Sample Name: 82572 5.0 g COMPOSITE OF 9
Misc Info : 82572 5.0 g COMPOSITE OF 9 0718
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.95	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.8 ug/kg	
66	tert-Butylbenzene	18.66	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.94	1.4 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.06	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.1 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.20	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

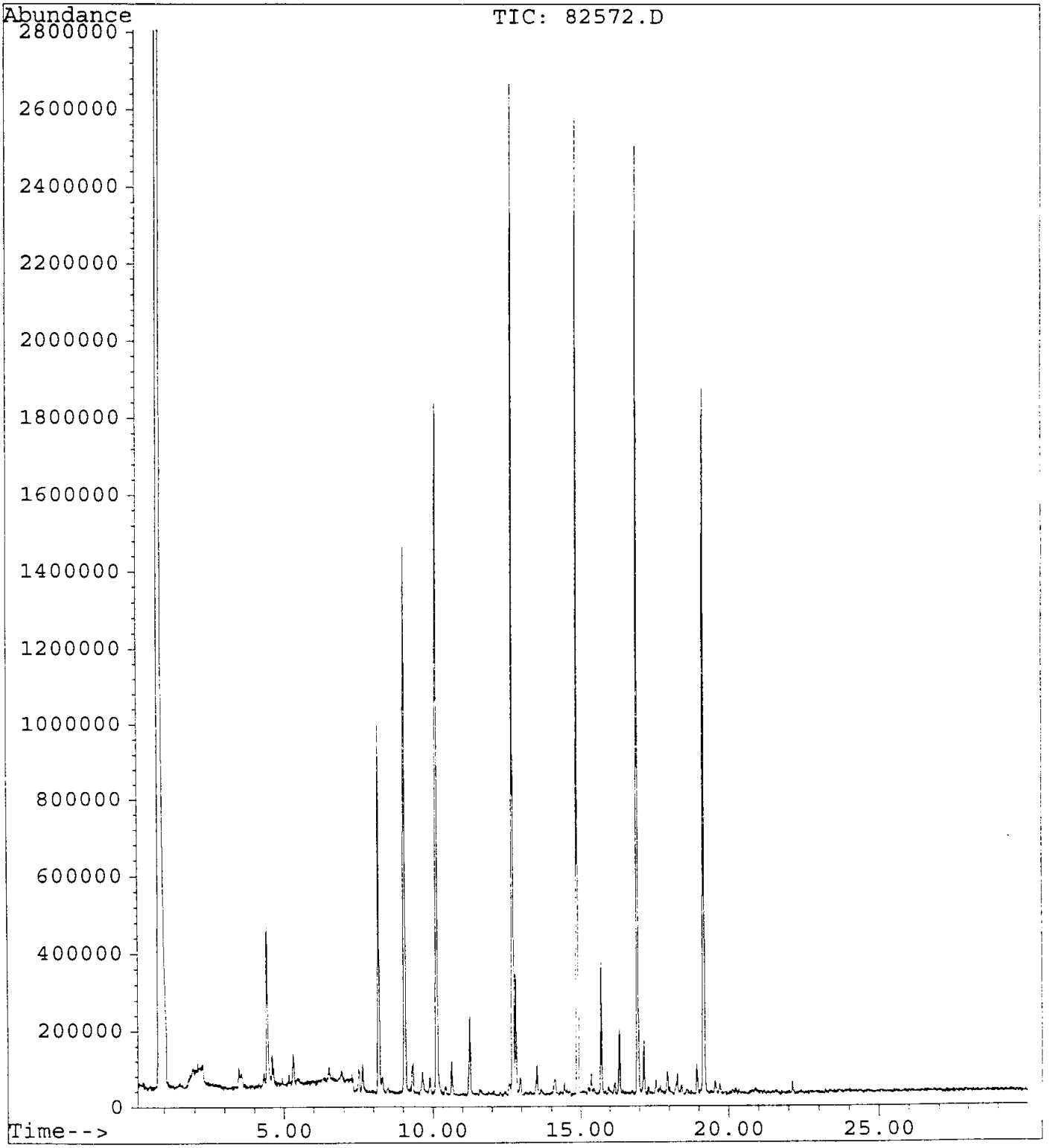
File Name	82572.D
Data Path	C:\HPCHEM\1\DATA\0718\
Operator	CHARLES M. JOHNSON
Date/Time	7/18/95 20:22
Method	8260LLS
Misc Info	82572 5.0 g COMPOSITE OF 9 0718
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.055	168.00	Pentafluorobenzene	14895484	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.412	50.00	Chloromethane (SPCC)	30229	0.15	ug/kg	
4	1.854	62.00	Vinyl Chloride (CCC)	33916	0.25	ug/kg	
5	2.479	94.00	Bromomethane	31312	0.54	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.849	101.00	Trichlorofluoromethane	20361	0.08	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.962	61.00	1,1-Dichloroethylene (CCC)	32002	0.12	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.431	43.00	Acetone	10697123	157.31	ug/kg	
13	5.317	49.00	Dichloromethane	825651	-3.99	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.314	53.00	Acrylonitrile	17119	0.39	ug/kg	
16	6.900	63.00	1,1-Dichloroethane (SPCC)	34775	0.12	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.667	61.00	cis-1,2-Dichloroethylene	30728	0.09	ug/kg	
20	7.651	72.00	Methyl Ethyl Ketone	168140	10.07	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	7.994	83.00	Chloroform (CCC)		50415	0.11	ug/kg	
23	8.980	97.00	1,1,1-Trichloroethane		95886	0.23	ug/kg	
24	8.181	113.00	Dibromofluoromethane (SURR)		8929128	40.43	ug/kg	
25	10.142	114.00	1,4-Difluorobenzene		19270161	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.580	78.00	Benzene		76648	0.13	ug/kg	
29	9.041	62.00	1,2-Dichloroethane		49551	0.18	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.872	43.00	4-Methyl-2-Pentanone		49889	0.15	ug/kg	
37	12.713	98.00	Toluene-d8 (SURR)		23584297	40.69	ug/kg	
38	12.815	91.00	Toluene (CCC)		3031175	3.89	ug/kg	
39	11.764	75.00	cis-1,3-Dichloropropene		26956	0.11	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.889	54.00	Chlorobenzene-d5		6963350	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	13.421	107.00	1,2-Dibromoethane		13871	0.07	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.363	91.00	Ethylbenzene (CCC)		575933	0.59	ug/kg	
51	15.711	106.00	m,p-Xylene		1363979	4.22	ug/kg	
52	16.324	91.00	o-Xylene		1571546	1.87	ug/kg	
53	16.321	104.00	Styrene		34717	0.07	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.175	152.00	1,4-Dichlorobenzene-d4		9658568	40.00	ug/kg	ISTD
56	16.960	105.00	Isopropylbenzene		148433	0.19	ug/kg	
57	16.933	95.00	4-Bromofluorobenzene (SURR)		10733645	38.63	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.701	91.00	n-Propylbenzene		237458	0.16	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.950	91.00	4-Chlorotoluene		97687	0.17	ug/kg	
65	18.287	105.00	1,3,5-Trimethylbenzene		467337	0.81	ug/kg	
66	18.658	119.00	tert-Butylbenzene		25003	0.06	ug/kg	
67	18.937	120.00	1,2,4-Trimethylbenzene		330721	1.41	ug/kg	
68	19.095	105.00	sec-Butylbenzene		50380	0.09	ug/kg	
69	19.064	146.00	1,3-Dichlorobenzene		10464	0.03	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.543	119.00	p-Isopropyltoluene		66110	0.14	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.203	91.00	n-Butylbenzene		75647	0.18	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		9133	0.11	ug/kg	

File : C:\HPCHEM\1\DATA\0718\82572.D
Operator : CHARLES M. JOHNSON
Acquired : 18 Jul 95 8:22 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82572 5.0 g COMPOSITE OF 9
Misc Info : 82572 5.0 g COMPOSITE OF 9 0718
Vial Number: 1

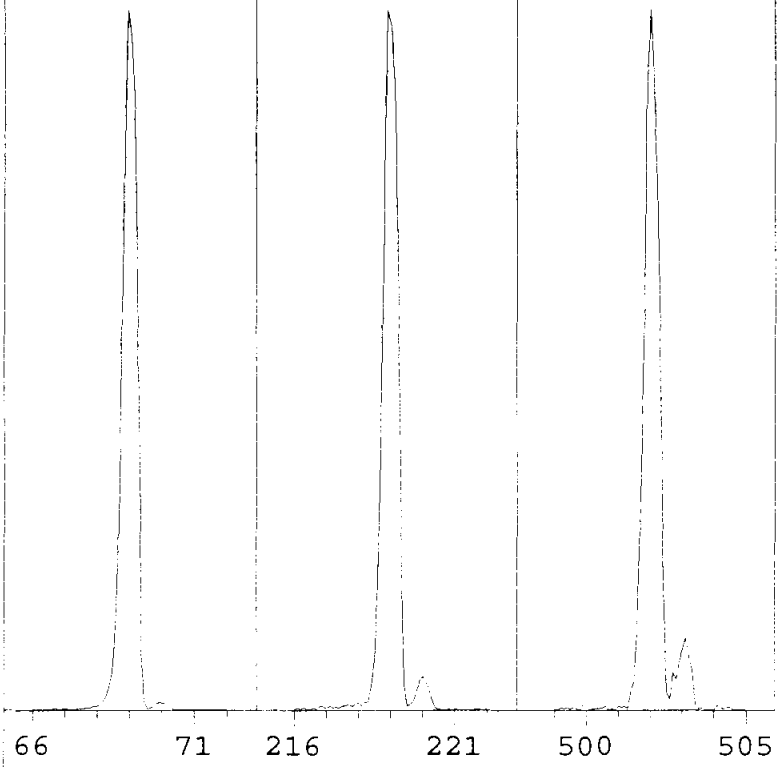


HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Jul 31 09:16:42 1995 C:\HPCHEM\1\5970\ATUNE.U

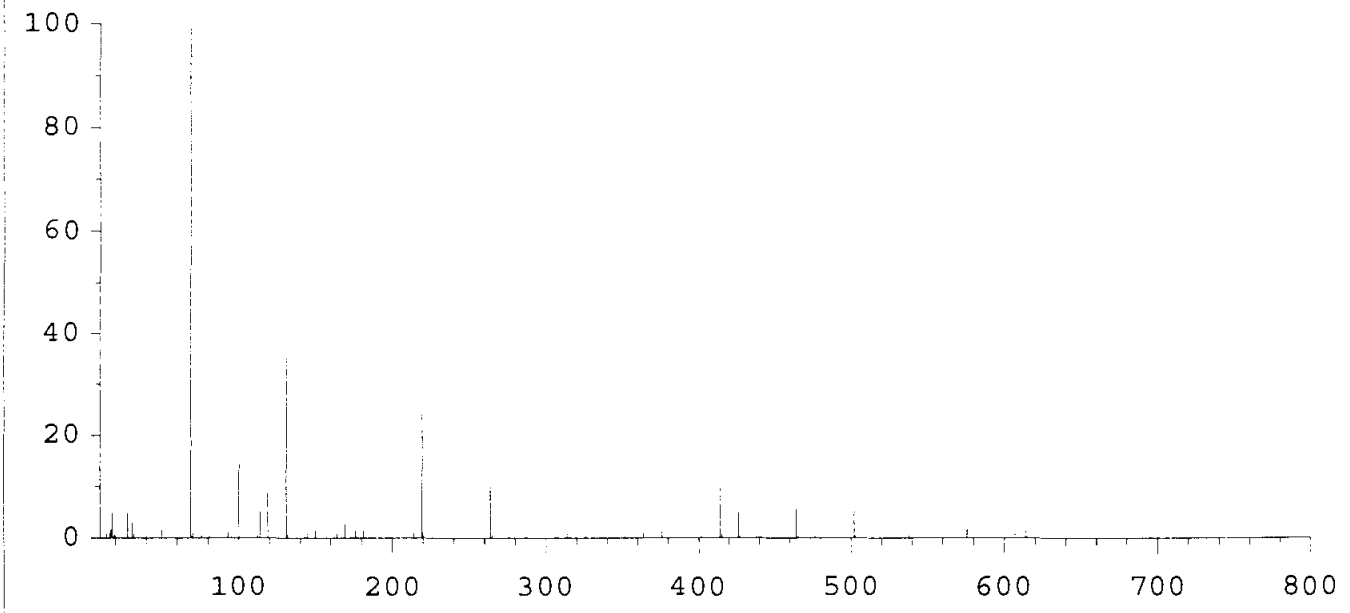
Mass	69.00	Mass	218.90	Mass	502.00
Ab	2236701	%	29.01	%	6.92
Pw50	0.53	Pw50	0.51	Pw50	0.50



EMVolts	2600	AmuGain	88
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	58
MassGain	-207		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

463 peaks Base: 69.05 Abundance: 1964032



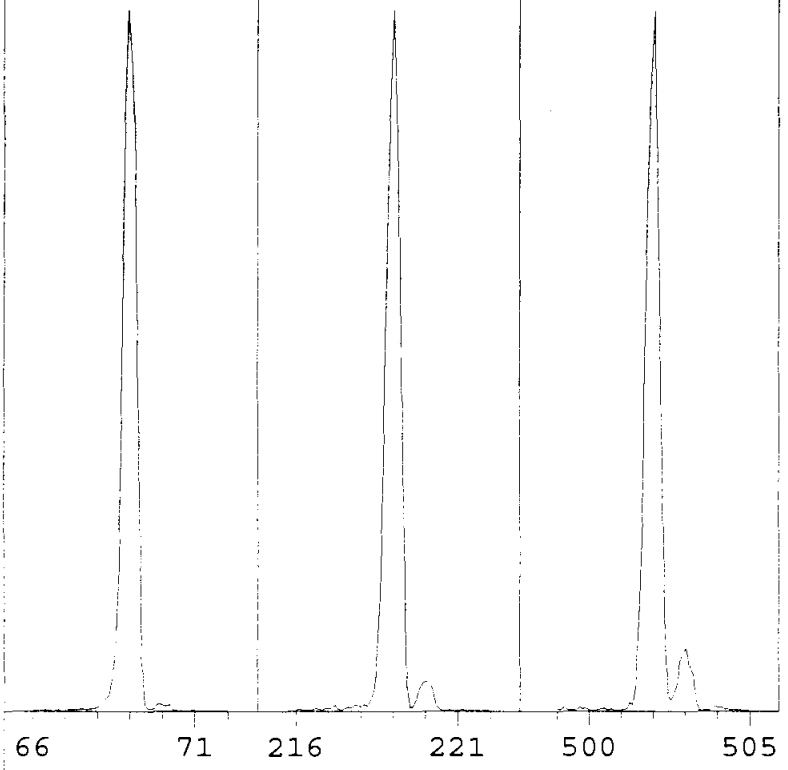
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	1964032	100.00	70.05	18712	0.95
218.95	482944	24.59	220.05	21216	4.39
502.05	112688	5.74	502.95	10228	9.08

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Jul 31 09:18:39 1995 C:\HPCHEM\1\5970\ATUNE.U

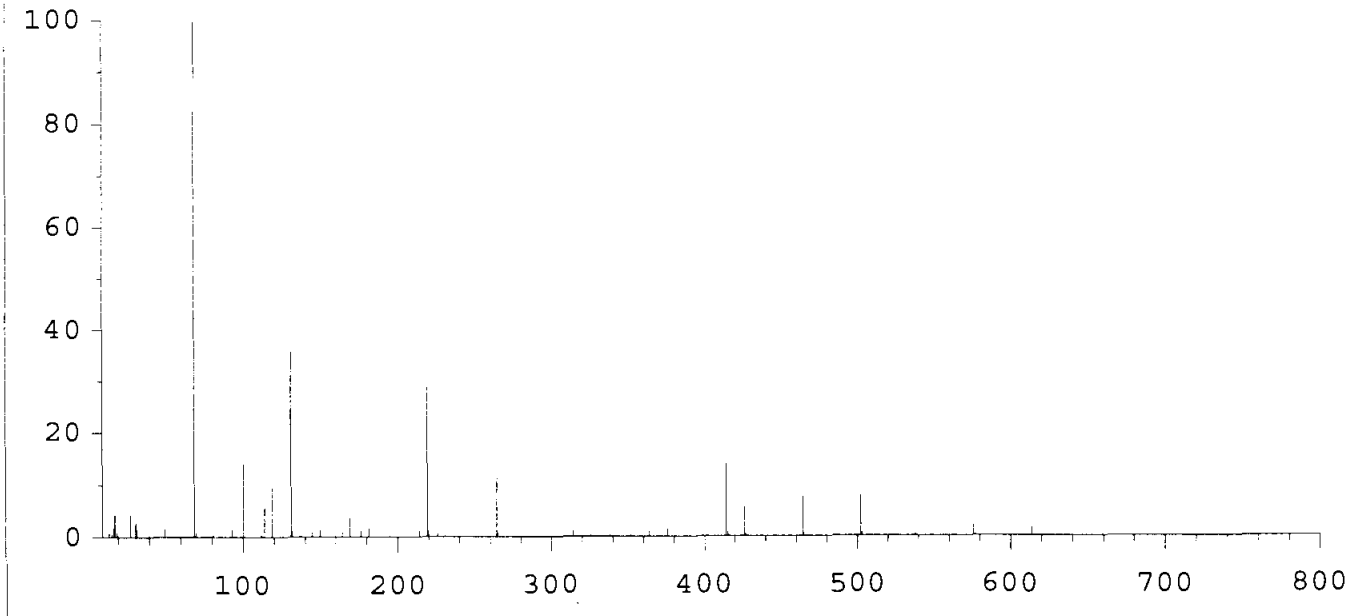
Mass	69.00	Mass	219.00	Mass	502.05
Ab	2007098	%	31.81	%	8.73
Pw50	0.48	Pw50	0.48	Pw50	0.49



EMVolts	2600	AmuGain	85
Xray	52.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	58
MassGain	-212		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

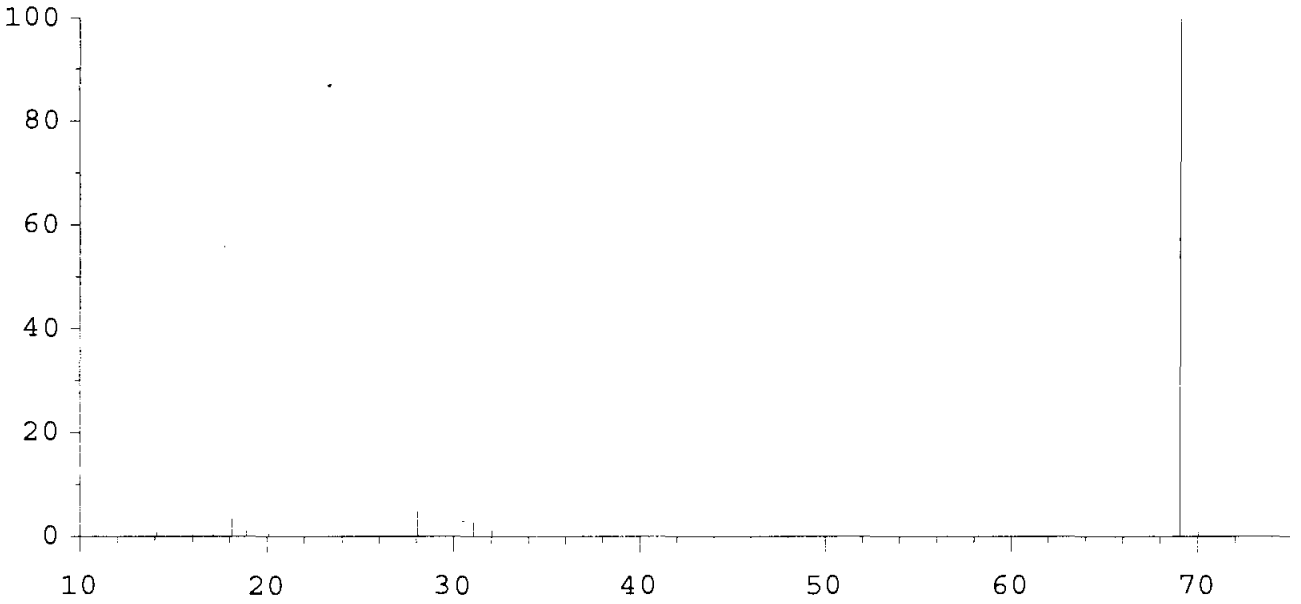
445 peaks Base: 69.00 Abundance: 1660416



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1660416	100.00	70.00	15878	0.96
219.00	481600	29.00	220.00	20816	4.32
501.95	133312	8.03	502.95	13692	10.27

HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Mon Jul 31 09:35:11 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
56 peaks Base: 69.05 Abundance: 2322944



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2322944	100.00	70.05	26976	1.16
18.10	82264	3.54	18.90	34664	42.14
28.05	117048	5.04	28.95	975	0.83

HP 5970 Air and Water Check : Mon Jul 31 09:35:12 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 55.0
EMV = 2800
Relative abundances:

18/69 =	3.54	Water%
28/69 =	5.04	Nitrogen%
32/69 =	1.53	Oxygen%
44/69 =	0.09	Carbon Dioxide%
18/28 =	70.28	Water/Nitrogen%

4- Bromofluorobenzene Check Sample

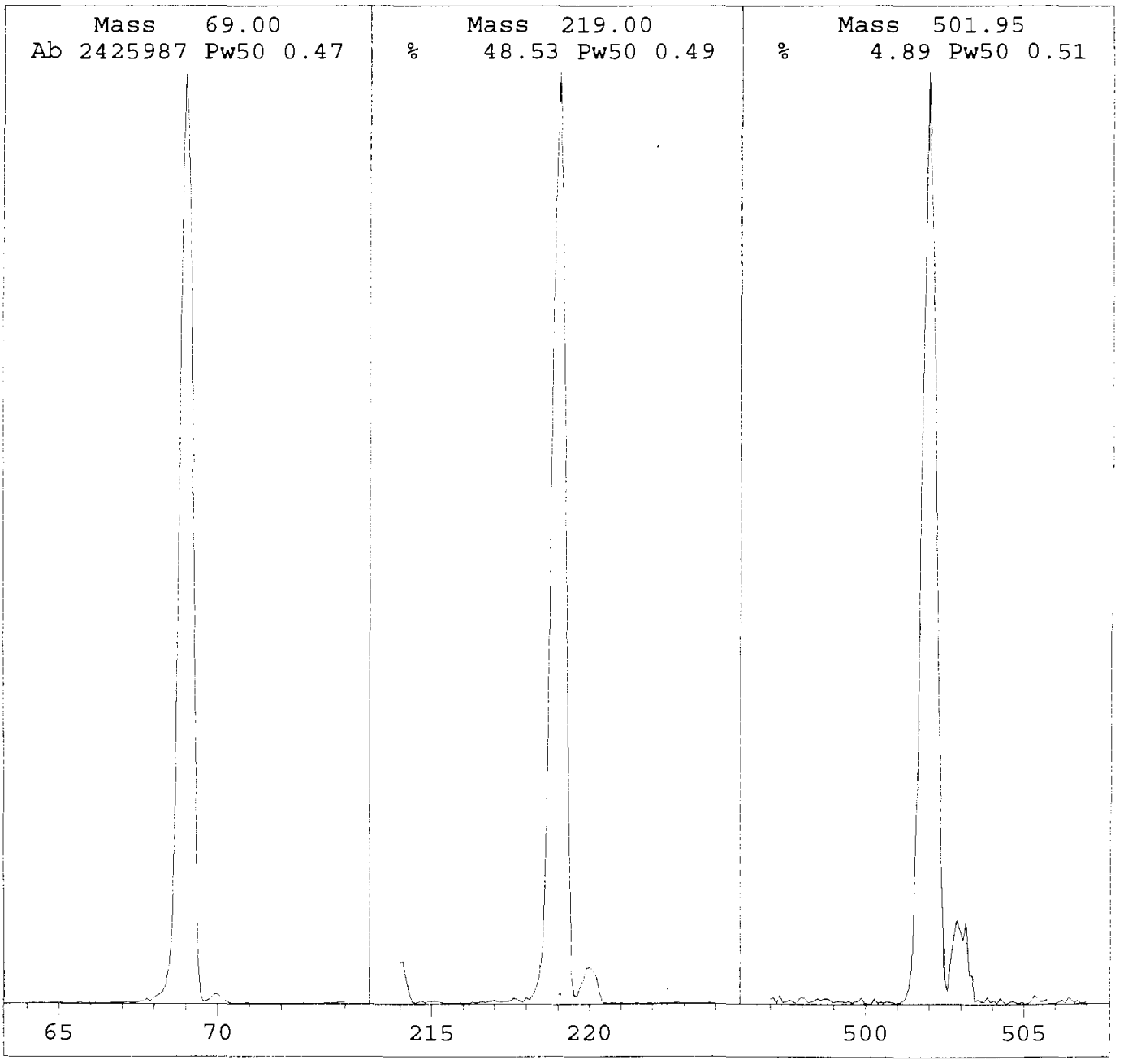
File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0731\
Operator	CHARLES M. JOHNSON
Date/Time	7/31/95 9:40
Method	BFB
Misc Info	BFB CHECK 0731
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	2641146	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	643667	24.37	%	
3	6.903	75.00	30% to 60% of 95	1344230	50.89	%	
4	6.903	96.00	5% to 9% of 95	188079	7.12	%	
5	6.920	174.00	> 50% of 95	2747809	104.04	%	
6	6.920	174.00		2747809	100.00	%	ISTD
7	6.903	173.00	< 2% of 174	54256	1.98	%	
8	6.920	175.00	5% to 9% of 174	235226	8.56	%	
9	6.920	176.00	>95% , <101% of 174	2741912	99.79	%	
10	6.920	176.00		2741912	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	183097	6.68	%	

000783

Instrument: 5970 - Instrument1
Mon Jul 31 09:33:50 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2600	AmuGain	85
Xray	52.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	75
MassGain	-212		
MassOffs	15		



Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 7/31/95

Compound	Conc.	Area	RF
Chloromethane	41.88	10666623	0.3569
1,1 Dichloroethane	51.81	22155866	0.5993
Chlorobenzene	52.90	53027611	1.1144
Bromoform	46.01	26943768	0.4904
1,1,2,2-Tetrachloroethane	51.77	28134833	0.8617

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	28544236	111.9499
1,4 Difluorobenzene	40	35980164	117.5151
Chlorobenzene - d5	40	11649224	116.9694
1,4-Dichlorobenzene-d4	40	25225957	123.2758

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 07/31/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	48.13	3.74
1,1-Dichloroethylene	51.21	2.42
Chloroform	52.83	5.66
1,2-Dichloropropane	48.21	3.58
Toluene	51.67	3.34
Ethyl Benzene	53.59	7.18

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 11:25 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (20-500 PPB)
Misc Info : LEVEL 4 STANDARD (20-500 PPB) 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	62.9 ug/kg	
3	Chloromethane (SPCC)	1.43	41.9 ug/kg	
4	Vinyl Chloride (CCC)	1.78	48.1 ug/kg	
5	Bromomethane	2.49	53.0 ug/kg	
6	Chloroethane	2.87	58.4 ug/kg	
7	Trichlorofluoromethane	3.97	47.1 ug/kg	
8	Acrolein	4.17	438.3 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	51.2 ug/kg	
10	Carbon Disulfide	5.18	522.8 ug/kg	
11	Iodomethane	4.81	574.1 ug/kg	
12	Acetone	4.53	473.1 ug/kg	
13	Dichloromethane	5.34	56.4 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	47.2 ug/kg	
15	Acrylonitrile	5.34	483.9 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.77	51.8 ug/kg	
17	Vinyl Acetate	7.33	443.2 ug/kg	
18	2,2-Dichloropropane	8.04	52.3 ug/kg	
19	cis-1,2-Dichloroethylene	7.67	48.6 ug/kg	
20	Methyl Ethyl Ketone	7.65	468.1 ug/kg	
21	Bromochloromethane	7.87	51.4 ug/kg	
22	Chloroform (CCC)	8.02	52.8 ug/kg	
23	1,1,1-Trichloroethane	8.99	52.9 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	40.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	47.6 ug/kg	

000792

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 11:25 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (20-200 PPB)
Misc Info : LEVEL 4 STANDARD (20-200 PPB) 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	50.4 ug/kg	
28	Benzene	9.59	50.6 ug/kg	
29	1,2-Dichloroethane	8.91	54.8 ug/kg	
30	Trichloroethylene	10.58	49.5 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	48.2 ug/kg	
32	Dibromomethane	10.41	39.2 ug/kg	#
33	Dichlorobromomethane	10.65	49.8 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	521.0 ug/kg	
35	trans-1,3-Dichloropropene	12.41	48.0 ug/kg	
36	4-Methyl-2-Pentanone	12.01	472.1 ug/kg	
37	Toluene-d8 (SURR)	12.72	41.8 ug/kg	
38	Toluene (CCC)	12.82	51.7 ug/kg	
39	cis-1,3-Dichloropropene	11.70	47.0 ug/kg	
40	Ethyl Methacrylate	13.28	482.6 ug/kg	
41	1,1,2-Trichloroethane	12.55	52.7 ug/kg	
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	43.1 ug/kg	
44	1,3-Dichloropropane	12.92	50.0 ug/kg	
45	2-Hexanone	13.36	502.3 ug/kg	
46	Dibromochloromethane	13.20	50.1 ug/kg	
47	1,2-Dibromoethane	13.55	52.9 ug/kg	
48	Chlorobenzene (SPCC)	14.95	52.9 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	53.0 ug/kg	
50	Ethylbenzene (CCC)	15.37	53.6 ug/kg	
51	m,p-Xylene	15.72	113.4 ug/kg	
52	o-Xylene	16.33	55.5 ug/kg	
53	Styrene	16.22	57.9 ug/kg	
54	Bromoform (SPCC)	15.66	46.0 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	53.6 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	40.6 ug/kg	
58	Bromobenzene	17.18	48.9 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	51.8 ug/kg	
60	1,2,3-Trichloropropane	16.54	48.9 ug/kg	
61	n-Propylbenzene	17.70	54.4 ug/kg	
62	2-Chlorotoluene	17.75	55.0 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	484.0 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 11:25 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD (20-200 PPB)
Misc Info : LEVEL 4 STANDARD (20-200 PPB) 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	53.8 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	59.4 ug/kg	
66	tert-Butylbenzene	18.68	54.2 ug/kg	
67	1,2,4-Trimethylbenzene	18.94	56.0 ug/kg	
68	sec-Butylbenzene	19.10	58.9 ug/kg	
69	1,3-Dichlorobenzene	19.07	54.1 ug/kg	
70	1,4-Dichlorobenzene	19.23	52.8 ug/kg	
71	p-Isopropyltoluene	19.55	56.6 ug/kg	
72	1,2-Dichlorobenzene	19.85	54.3 ug/kg	
73	n-Butylbenzene	20.24	54.6 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	53.9 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

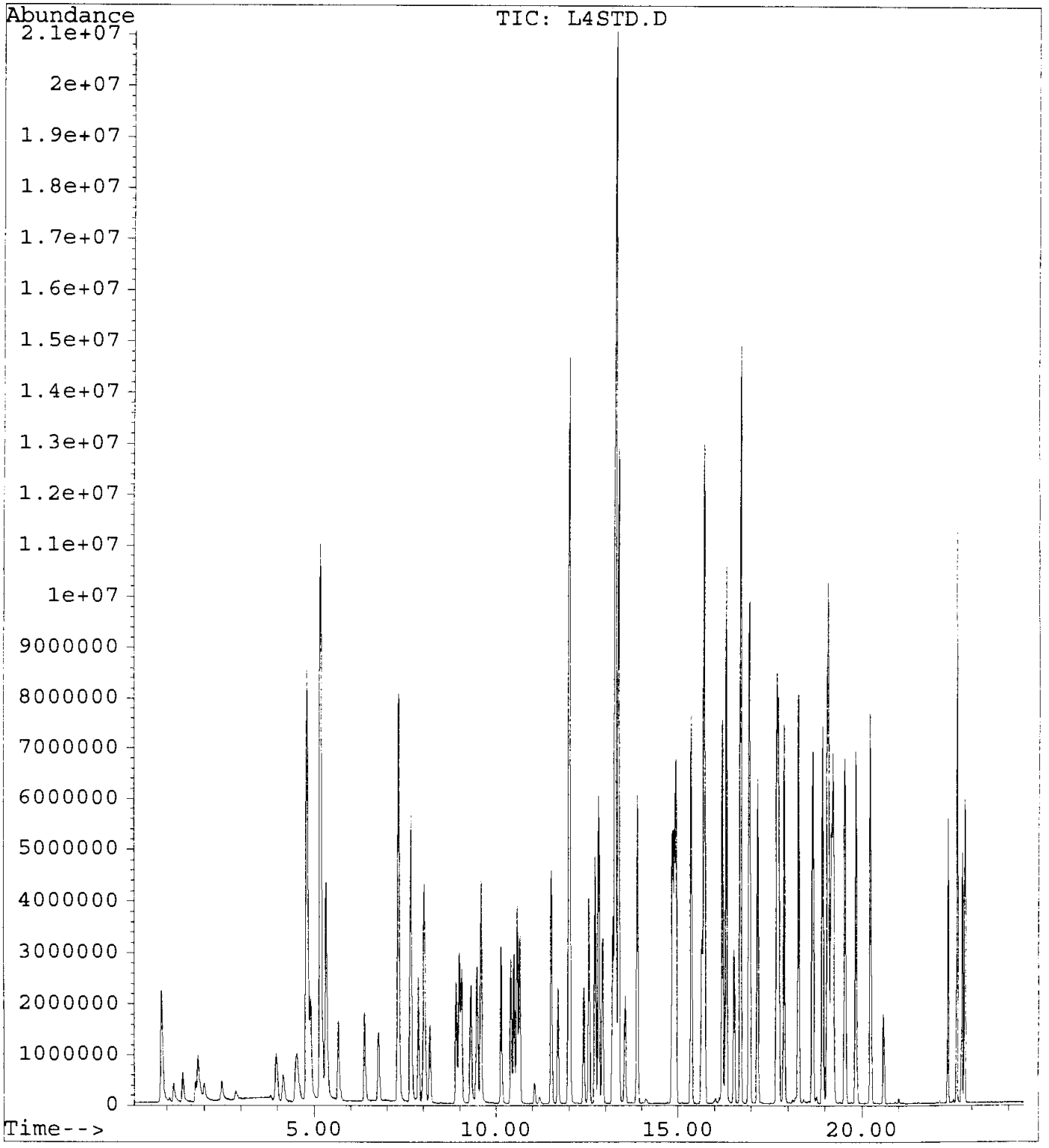
File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0731\
Operator	CHARLES M. JOHNSON
Date/Time	7/31/95 11:25
Method	8260LLS
Misc Info	LEVEL 4 STANDARD (~~20-200~~ PPB) 0731
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	28544236	40.00	ug/kg	*ISTD
2	1.191	85.00	Dichlorodifluoromethane	7302766	62.92	ug/kg	
3	1.432	50.00	Chloromethane (SPCC)	10666623	41.88	ug/kg	
4	1.780	62.00	Vinyl Chloride (CCC)	8466037	48.13	ug/kg	
5	2.487	94.00	Bromomethane	4519506	53.01	ug/kg	
6	2.872	64.00	Chloroethane	2235894	58.38	ug/kg	
7	3.973	101.00	Trichlorofluoromethane	17935945	47.06	ug/kg	
8	4.165	56.00	Acrolein	10835716	438.31	ug/kg	
9	4.917	61.00	1,1-Dichloroethylene (CCC)	20627178	51.21	ug/kg	
10	5.181	78.00	Carbon Disulfide	29140152	522.84	ug/kg	
11	4.811	127.00	Iodomethane	1.25E+08	574.13	ug/kg	
12	4.531	43.00	Acetone	50846636	473.07	ug/kg	
13	5.337	49.00	Dichloromethane	23248652	56.44	ug/kg	
14	6.387	61.00	trans-1,2-Dichloroethylene	16520738	47.18	ug/kg	
15	5.338	53.00	Acrylonitrile	35363216	483.95	ug/kg	
16	6.775	63.00	1,1-Dichloroethane (SPCC)	22155866	51.81	ug/kg	
17	7.330	86.00	Vinyl Acetate	5295889	443.24	ug/kg	
18	8.044	77.00	2,2-Dichloropropane	23463845	52.29	ug/kg	
19	7.675	61.00	cis-1,2-Dichloroethylene	24125510	48.58	ug/kg	
20	7.652	72.00	Methyl Ethyl Ketone	12402772	468.14	ug/kg	

21	7.874	130.00	Bromochloromethane	9775784	51.38	ug/kg	
22	8.017	83.00	Chloroform (CCC)	32578077	52.83	ug/kg	
23	8.994	97.00	1,1,1-Trichloroethane	31807353	52.88	ug/kg	
24	8.190	113.00	Dibromofluoromethane (SURR)	13508206	40.11	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene	35980164	40.00	ug/kg	ISTD
26	9.314	75.00	1,1-Dichloropropene	21956193	47.57	ug/kg	
27	9.482	117.00	Carbon Tetrachloride	27056143	50.45	ug/kg	
28	9.590	78.00	Benzene	56019326	50.62	ug/kg	
29	8.909	62.00	1,2-Dichloroethane	31827069	54.81	ug/kg	
30	10.580	130.00	Trichloroethylene	18165868	49.46	ug/kg	
31	10.495	63.00	1,2-Dichloropropane (CCC)	17865344	48.21	ug/kg	
32	10.411	174.00	Dibromomethane	15422807	39.15	ug/kg	
33	10.648	83.00	Dichlorobromomethane	29679800	49.82	ug/kg	
34	11.516	63.00	2-Chloroethyl Vinyl Ether	27170559	520.96	ug/kg	
35	12.406	75.00	trans-1,3-Dichloropropene	23058259	47.96	ug/kg	
36	12.006	43.00	4-Methyl-2-Pentanone	2.29E+08	472.09	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)	45187678	41.75	ug/kg	
38	12.818	91.00	Toluene (CCC)	68167260	51.67	ug/kg	
39	11.698	75.00	cis-1,3-Dichloropropene	24657088	46.97	ug/kg	
40	13.278	99.00	Ethyl Methacrylate	47137242	482.60	ug/kg	
41	12.551	97.00	1,1,2-Trichloroethane	18114232	52.67	ug/kg	
42	14.894	54.00	Chlorobenzene-d5	11649224	40.00	ug/kg	ISTD
43	13.884	166.00	Tetrachloroethylene	30452151	43.12	ug/kg	
44	12.924	76.00	1,3-Dichloropropane	26449876	50.02	ug/kg	
45	13.364	43.00	2-Hexanone	1.77E+08	502.34	ug/kg	
46	13.203	129.00	Dibromochloromethane	25738535	50.08	ug/kg	
47	13.546	107.00	1,2-Dibromoethane	20001834	52.89	ug/kg	
48	14.946	112.00	Chlorobenzene (SPCC)	53027611	52.90	ug/kg	

49	14.849	131.00	1,1,1,2-Tetrachloroethane	24986185	53.05	ug/kg	
50	15.367	91.00	Ethylbenzene (CCC)	90163461	53.59	ug/kg	
51	15.721	106.00	m,p-Xylene	61007081	113.44	ug/kg	
52	16.326	91.00	o-Xylene	78086515	55.48	ug/kg	
53	16.220	104.00	Styrene	52364791	57.86	ug/kg	
54	15.656	173.00	Bromoform (SPCC)	26943768	46.01	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4	25225957	40.00	ug/kg	ISTD
56	16.965	105.00	Isopropylbenzene	83754234	53.56	ug/kg	
57	16.938	95.00	4-Bromofluorobenzene (SURR)	23784193	40.58	ug/kg	
58	17.184	158.00	Bromobenzene	29620830	48.95	ug/kg	
59	16.313	83.00	1,1,2,2-Tetrachloroethane (SPCC)	28134833	51.77	ug/kg	
60	16.536	75.00	1,2,3-Trichloropropane	23324209	48.94	ug/kg	
61	17.705	91.00	n-Propylbenzene	1.76E+08	54.40	ug/kg	
62	17.749	126.00	2-Chlorotoluene	23178706	54.96	ug/kg	
63	16.712	75.00	1,4-Dichloro-2-Butene	65635445	483.95	ug/kg	
64	17.899	91.00	4-Chlorotoluene	70325198	53.82	ug/kg	
65	18.288	105.00	1,3,5-Trimethylbenzene	79250241	59.43	ug/kg	
66	18.676	119.00	tert-Butylbenzene	59272446	54.24	ug/kg	
67	18.943	120.00	1,2,4-Trimethylbenzene	31245249	55.96	ug/kg	
68	19.101	105.00	sec-Butylbenzene	87516624	58.87	ug/kg	
69	19.074	146.00	1,3-Dichlorobenzene	48632379	54.10	ug/kg	
70	19.228	146.00	1,4-Dichlorobenzene	48884243	52.76	ug/kg	
71	19.547	119.00	p-Isopropyltoluene	69255040	56.57	ug/kg	
72	19.845	146.00	1,2-Dichlorobenzene	46706809	54.28	ug/kg	
73	20.236	91.00	n-Butylbenzene	66107161	54.55	ug/kg	
74	20.593	157.00	1,2-Dibromo-3-Chloropropane	8618831	53.86	ug/kg	

File : C:\HPCHEM\1\DATA\0731\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 11:25 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD (20-200 PPB)
Misc Info : LEVEL 4 STANDARD (20-200 PPB) 0731
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Attn: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 18-Jul-95 10:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50
Styrene	<	5	5

1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	93.5 %	80 - 120
Toluene-d8	103.0 %	81 - 117
4-Bromofluorobenzene	87.8 %	74 - 121

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 10:23 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.45	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.84	0.5 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.79	0.4 ug/kg	#
12	Acetone	4.47	8.0 ug/kg	
13	Dichloromethane	5.33	-6.3 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.22	0.8 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.27	6.3 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	#
23	1,1,1-Trichloroethane	***** NOT FOUND *****		
24	Dibromofluoromethane (SURR)	8.19	37.0 ug/kg	
25	1,4-Difluorobenzene	I0.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.24	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 10:23 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.63	0.0 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.89	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	40.5 ug/kg	
38	Toluene (CCC)	12.80	0.1 ug/kg	#
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.86	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	13.20	0.0 ug/kg	#
47	1,2-Dibromoethane	13.44	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	15.71	0.1 ug/kg	
52	o-Xylene	***** NOT FOUND *****		
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	42.5 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 10:23 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.57	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0731\
Operator	CHARLES M. JOHNSON
Date/Time	7/31/95 10:23
Method	8260LLS
Misc Info	BLANK 0731
Bottle Number	1
Number of Compounds	74

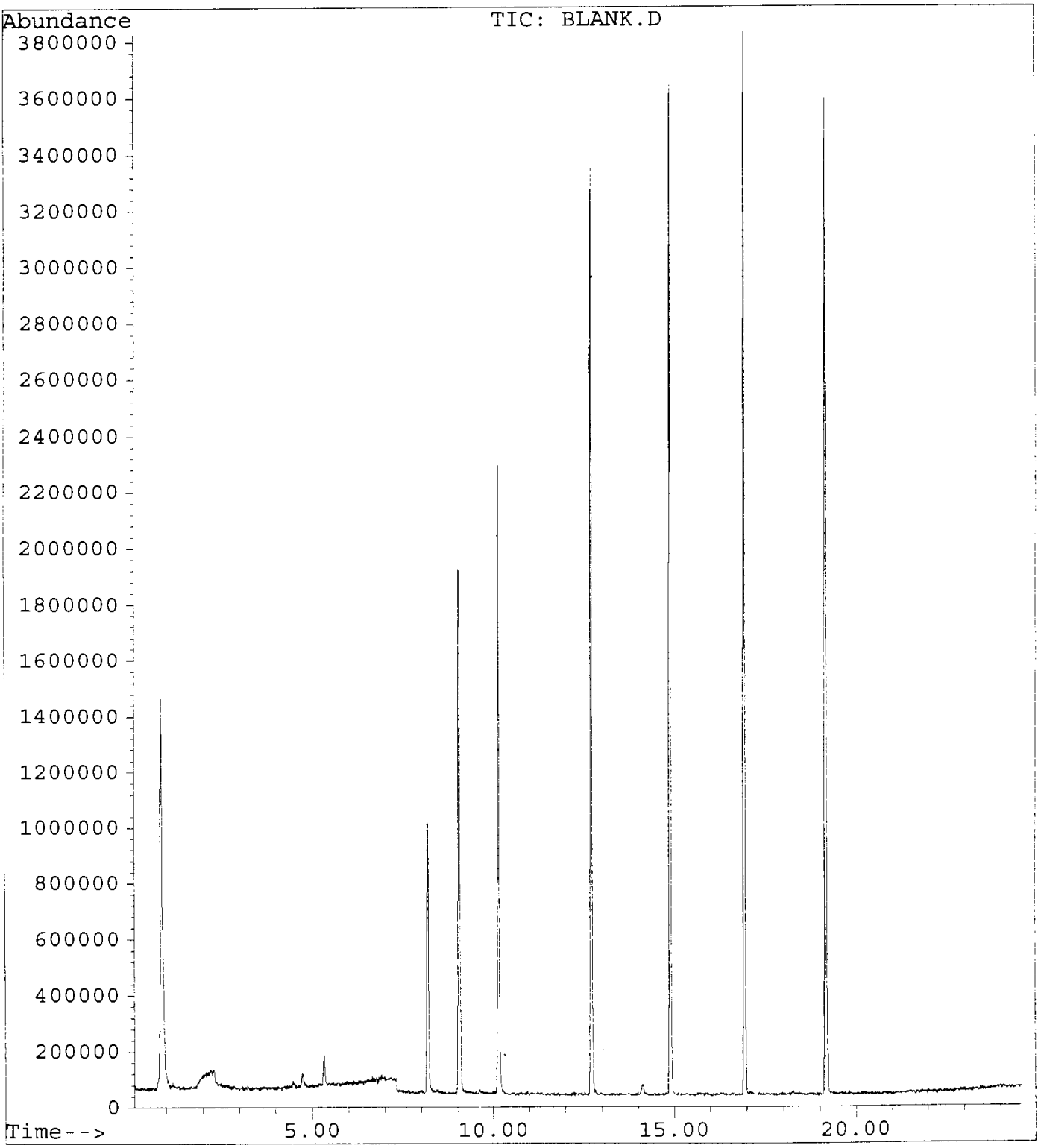
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.059	168.00	Pentafluorobenzene	21163172	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.454	50.00	Chloromethane (SPCC)	25903	0.12	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.841	64.00	Chloroethane	16849	0.52	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.789	127.00	Iodomethane	46321	0.37	ug/kg	
12	4.472	43.00	Acetone	563172	8.01	ug/kg	
13	5.326	49.00	Dichloromethane	1182011	-6.27	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.221	53.00	Acrylonitrile	36878	0.78	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.275	86.00	Vinyl Acetate	37220	6.26	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.007	83.00	Chloroform (CCC)		51174	0.10	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane		0	0.00	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		9247818	37.03	ug/kg	
25	10.144	114.00	1,4-Difluorobenzene		26667521	40.00	ug/kg	ISTD
26	9.244	75.00	1,1-Dichloropropene		20874	0.06	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.628	78.00	Benzene		33276	0.04	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.895	43.00	4-Methyl-2-Pentanone		40697	0.09	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		32478005	40.49	ug/kg	
38	12.802	91.00	Toluene (CCC)		55277	0.05	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.891	54.00	Chlorobenzene-d5		8703721	40.00	ug/kg	ISTD
43	13.861	166.00	Tetrachloroethylene		21446	0.04	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	13.205	129.00	Dibromochloromethane		10969	0.03	ug/kg	
47	13.445	107.00	1,2-Dibromoethane		20128	0.08	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

000805

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.359	91.00	Ethylbenzene (CCC)		31659	0.03	ug/kg	
51	15.706	106.00	m,p-Xylene		25483	0.06	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.174	152.00	1,4-Dichlorobenzene-d4		18045802	40.00	ug/kg	ISTD
56	16.946	105.00	Isopropylbenzene		65698	0.05	ug/kg	
57	16.934	95.00	4-Bromofluorobenzene (SURR)		17833622	42.54	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.231	91.00	n-Butylbenzene		21890	0.03	ug/kg	
74	20.571	157.00	1,2-Dibromo-3-Chloropropane		19005	0.14	ug/kg	

File : C:\HPCHEM\1\DATA\0731\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 10:23 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0731
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0017(A-E)
Control No.: 82631
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 31-Jul-95 13:21
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	55	55
Acrolein	<	55	55
Acrylonitrile	<	55	55
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	55	55
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	55	55
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	55	55

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	100.4 %	80 - 120
Toluene-d8	108.9 %	81 - 117
4-Bromofluorobenzene	109.4 %	74 - 121

Percent Solids	91.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\82631.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 1:21 pm using AcqMethod 8260LLS
Sample Name: 82631 COMPOSITE OF 5
Misc Info : 82631 COMPOSITE OF 5 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	0.3 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	3.00	0.5 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.21	2.0 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.06	0.7 ug/kg	#
11	Iodomethane	4.83	0.4 ug/kg	#
12	Acetone	4.48	44.8 ug/kg	
13	Dichloromethane	5.34	-10.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.52	0.1 ug/kg	#
15	Acrylonitrile	5.24	0.6 ug/kg	#
16	1,1-Dichloroethane (SPCC)	7.05	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.65	1.9 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.1 ug/kg	
23	1,1,1-Trichloroethane	9.00	0.4 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	40.2 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\82631.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 1:21 pm using AcqMethod 8260LLS
Sample Name: 82631 COMPOSITE OF 5
Misc Info : 82631 COMPOSITE OF 5 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.58	0.1 ug/kg	#
29	1,2-Dichloroethane	9.05	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	0.1 ug/kg	
37	Toluene-d8 (SURR)	12.72	43.6 ug/kg	
38	Toluene (CCC)	12.82	1.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.19	0.1 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	13.19	0.1 ug/kg	#
47	1,2-Dibromoethane	13.51	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	14.85	0.0 ug/kg	#
50	Ethylbenzene (CCC)	15.37	0.2 ug/kg	
51	m,p-Xylene	15.72	1.5 ug/kg	
52	o-Xylene	16.32	0.6 ug/kg	
53	Styrene	16.23	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	43.8 ug/kg	
[illegible]	Bromobenzene	***** NOT FOUND *****		
	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
[illegible]	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	0.2 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0731\82631.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 1:21 pm using AcqMethod 8260LLS
Sample Name: 82631 COMPOSITE OF 5
Misc Info : 82631 COMPOSITE OF 5 0731
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.96	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	0.9 ug/kg	
66	tert-Butylbenzene	18.66	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.94	2.0 ug/kg	
68	sec-Butylbenzene	19.09	0.2 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.1 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.1 ug/kg	#
73	n-Butylbenzene	20.24	0.4 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.55	0.2 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

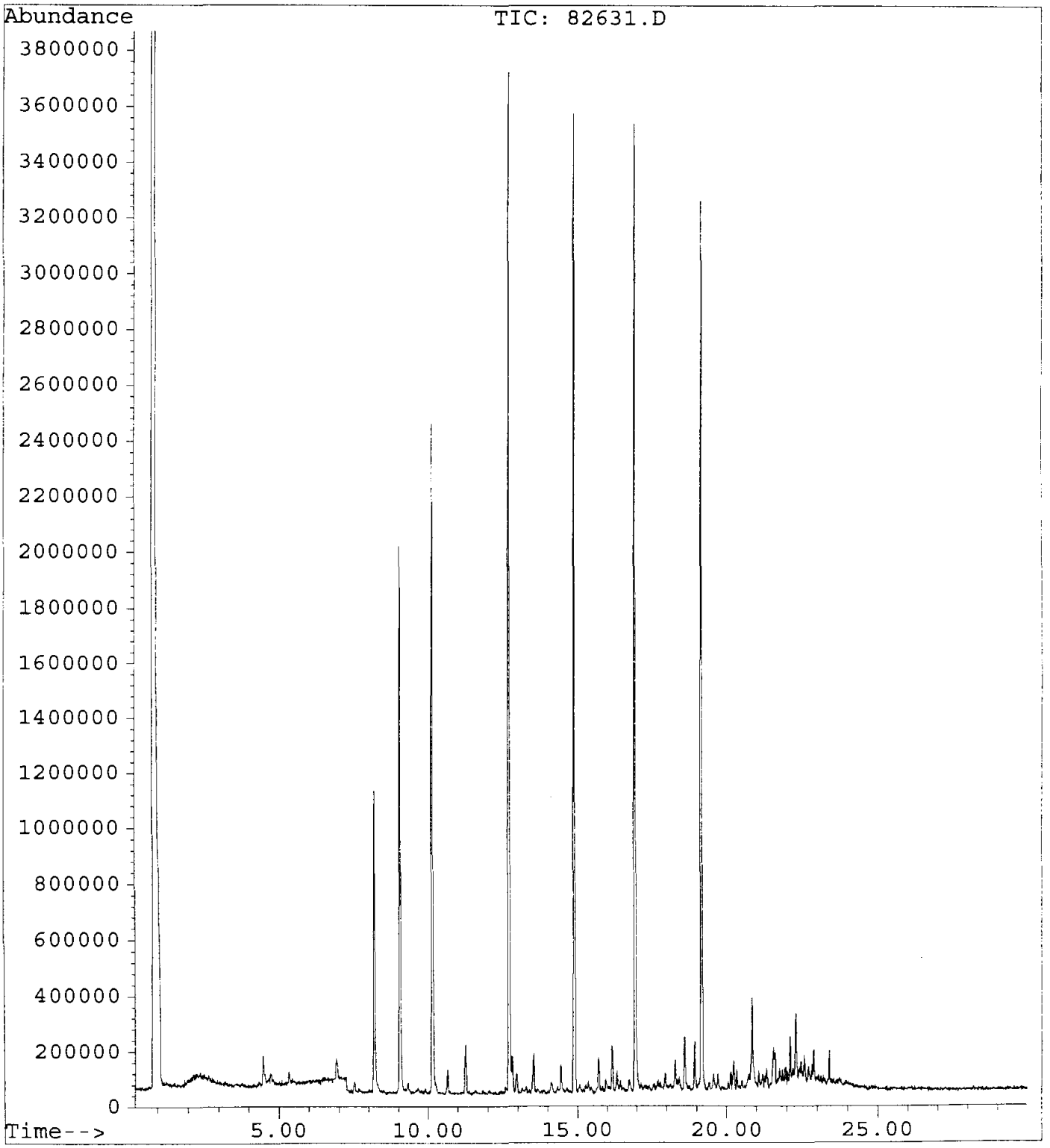
File Name	82631.D
Data Path	C:\HPCHEM\1\DATA\0731\
Operator	CHARLES M. JOHNSON
Date/Time	7/31/95 13:21
Method	8260LLS
Misc Info	82631 COMPOSITE OF 5 0731
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.064	168.00	Pentafluorobenzene	22291597	40.00	ug/kg	*ISTD
2	1.195	85.00	Dichlorodifluoromethane	31986	0.32	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.995	64.00	Chloroethane	17971	0.52	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.212	56.00	Acrolein	36137	2.03	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.059	78.00	Carbon Disulfide	33305	0.72	ug/kg	
11	4.827	127.00	Iodomethane	55390	0.42	ug/kg	
12	4.484	43.00	Acetone	3356908	44.84	ug/kg	
13	5.337	49.00	Dichloromethane	483442	-9.97	ug/kg	
14	6.521	61.00	trans-1,2-Dichloroethylene	22926	0.09	ug/kg	
15	5.237	53.00	Acrylonitrile	32354	0.65	ug/kg	
16	7.049	63.00	1,1-Dichloroethane (SPCC)	44395	0.13	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.653	72.00	Methyl Ethyl Ketone	35836	1.90	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.022	83.00	Chloroform (CCC)		47537	0.09	ug/kg	
23	8.997	97.00	1,1,1-Trichloroethane		193449	0.41	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		10563508	40.16	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		27324655	40.00	ug/kg	ISTD
26	9.300	75.00	1,1-Dichloropropene		20193	0.06	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.577	78.00	Benzene		120937	0.14	ug/kg	
29	9.049	62.00	1,2-Dichloroethane		33397	0.08	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.031	43.00	4-Methyl-2-Pentanone		30641	0.07	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		35803220	43.56	ug/kg	
38	12.819	91.00	Toluene (CCC)		1153416	1.04	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.185	99.00	Ethyl Methacrylate		7032	0.08	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		8832757	40.00	ug/kg	ISTD
43	13.878	166.00	Tetrachloroethylene		24903	0.04	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	13.193	129.00	Dibromochloromethane		24417	0.06	ug/kg	
47	13.511	107.00	1,2-Dibromoethane		26486	0.10	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

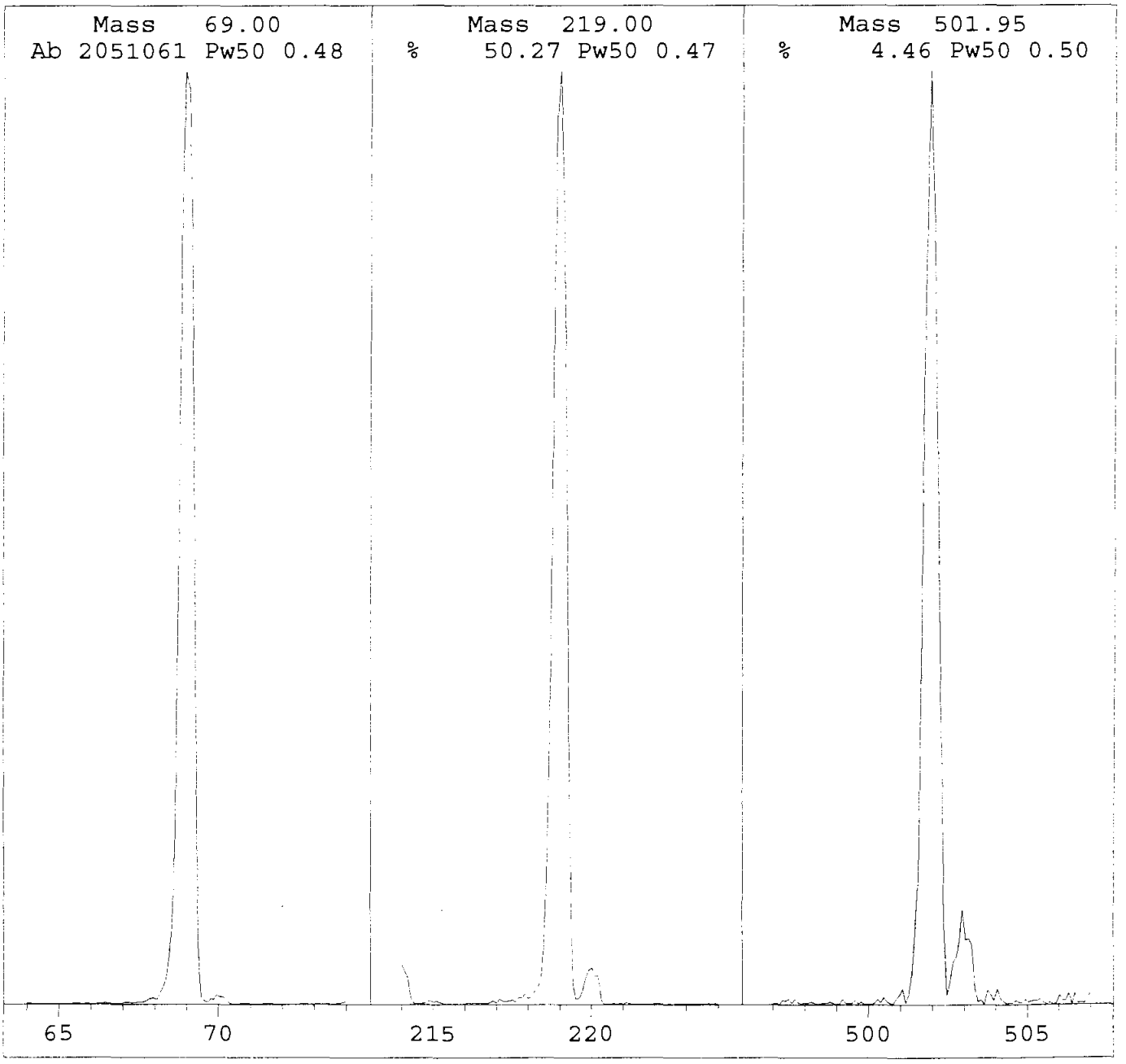
49	14.845	131.00	1,1,1,2-Tetrachloroethane		16563	0.05	ug/kg	
50	15.372	91.00	Ethylbenzene (CCC)		285803	0.23	ug/kg	
51	15.719	106.00	m,p-Xylene		594585	1.45	ug/kg	
52	16.321	91.00	o-Xylene		599379	0.56	ug/kg	
53	16.235	104.00	Styrene		51202	0.08	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.175	152.00	1,4-Dichlorobenzene-d4		16235941	40.00	ug/kg	ISTD
56	16.962	105.00	Isopropylbenzene		174859	0.15	ug/kg	
57	16.935	95.00	4-Bromofluorobenzene (SURR)		16503768	43.75	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.692	91.00	n-Propylbenzene		373500	0.17	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.956	91.00	4-Chlorotoluene		126721	0.14	ug/kg	
65	18.283	105.00	1,3,5-Trimethylbenzene		806702	0.92	ug/kg	
66	18.665	119.00	tert-Butylbenzene		21558	0.03	ug/kg	
67	18.943	120.00	1,2,4-Trimethylbenzene		704192	1.97	ug/kg	
68	19.092	105.00	sec-Butylbenzene		147133	0.16	ug/kg	
69	19.066	146.00	1,3-Dichlorobenzene		46207	0.08	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.541	119.00	p-Isopropyltoluene		129928	0.18	ug/kg	
72	19.845	146.00	1,2-Dichlorobenzene		47803	0.09	ug/kg	
73	20.238	91.00	n-Butylbenzene		278295	0.42	ug/kg	
74	20.548	157.00	1,2-Dibromo-3-Chloropropane		19017	0.16	ug/kg	

File : C:\HPCHEM\1\DATA\0731\82631.D
Operator : CHARLES M. JOHNSON
Acquired : 31 Jul 95 1:21 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82631 COMPOSITE OF 5
Misc Info : 82631 COMPOSITE OF 5 0731
Vial Number: 1



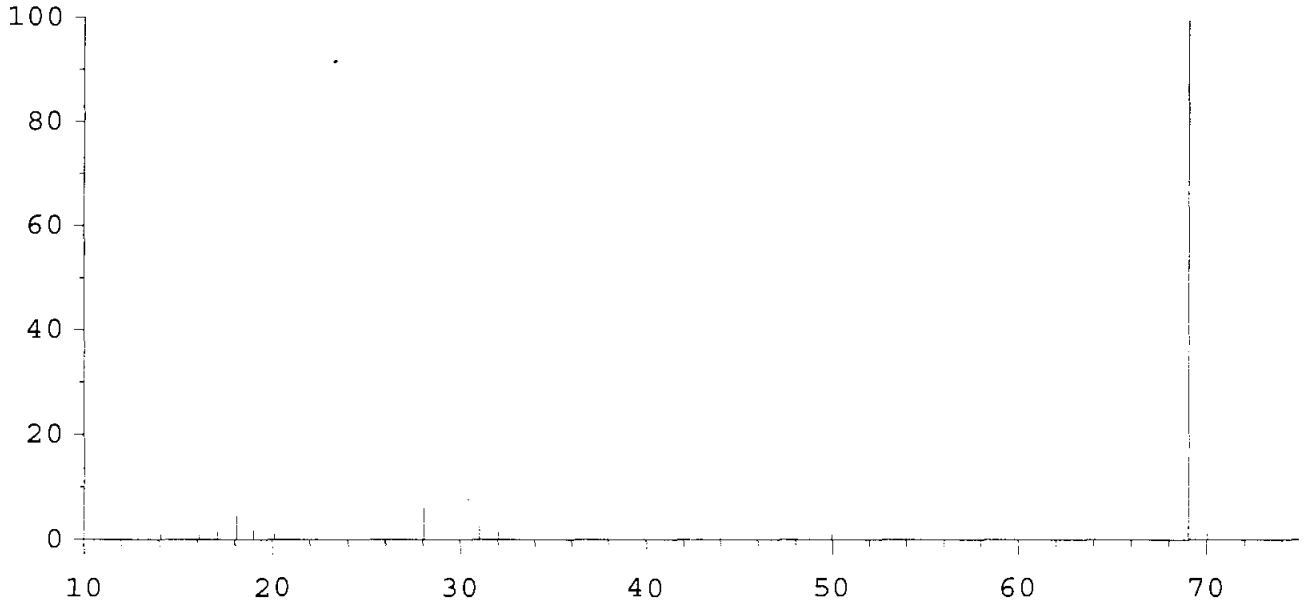
Instrument: 5970 - Instrument1
Tue Aug 01 08:42:47 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2600	AmuGain	88
Xray	52.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	80
MassGain	-212		
MassOffs	15		



HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Tue Aug 01 08:44:10 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
64 peaks Base: 69.05 Abundance: 2089984



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2089984	100.00	70.05	27048	1.29
18.10	100008	4.79	19.00	38864	38.86
28.05	131520	6.29	28.95	3088	2.35

HP 5970 Air and Water Check : Tue Aug 01 08:44:11 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 55.0
EMV = 2800
Relative abundances:

18/69 =	4.79	Water%
28/69 =	6.29	Nitrogen%
32/69 =	1.77	Oxygen%
44/69 =	0.35	Carbon Dioxide%
18/28 =	76.04	Water/Nitrogen%

4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 8:51
Method	BFB
Misc Info	BFB CHECK 0801
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	2566730	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	620569	24.18	%	
3	6.903	75.00	30% to 60% of 95	1294016	50.41	%	
4	6.903	96.00	5% to 9% of 95	183259	7.14	%	
5	6.903	174.00	> 50% of 95	2724211	106.13	%	
6	6.903	174.00		2724211	100.00	%	ISTD
7	6.903	173.00	< 2% of 174	54029	1.98	%	
8	6.903	175.00	5% to 9% of 174	236690	8.69	%	
9	6.920	176.00	>95% , <101% of 174	2736173	100.44	%	
10	6.920	176.00		2736173	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	187721	6.86	%	

Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/1/95

Compound	Conc.	Area	RF
Chloromethane	40.58	10547486	0.3583
1,1 Dichloroethane	48.96	21269227	0.5989
Chlorobenzene	52.76	51650649	1.0644
Bromoform	49.37	28465572	0.4944
1,1,2,2-Tetrachloroethane	50.18	26824441	0.8658

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	29015244	113.7972
1,4 Difluorobenzene	40	36790855	120.1629
Chlorobenzene - d5	40	11376801	114.2340
1,4-Dichlorobenzene-d4	40	24697087	120.6913

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/01/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	45.25	9.5
1,1-Dichloroethylene	48.16	3.68
Chloroform	53.91	7.82
1,2-Dichloropropane	48.39	3.22
Toluene	49.93	0.14
Ethyl Benzene	53.62	7.24

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 10:23 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	60.4 ug/kg	
3	Chloromethane (SPCC)	1.44	40.6 ug/kg	
4	Vinyl Chloride (CCC)	1.79	45.2 ug/kg	
5	Bromomethane	2.50	36.3 ug/kg	
6	Chloroethane	2.88	36.3 ug/kg	
7	Trichlorofluoromethane	3.98	47.5 ug/kg	
8	Acrolein	4.17	453.2 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.93	48.2 ug/kg	
10	Carbon Disulfide	5.19	513.0 ug/kg	
11	Iodomethane	4.82	531.6 ug/kg	
12	Acetone	4.50	522.4 ug/kg	
13	Dichloromethane	5.35	45.7 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	49.1 ug/kg	
15	Acrylonitrile	5.34	508.4 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	49.0 ug/kg	
17	Vinyl Acetate	7.33	429.0 ug/kg	
18	2,2-Dichloropropane	8.05	48.9 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	49.7 ug/kg	
20	Methyl Ethyl Ketone	7.65	511.7 ug/kg	
21	Bromochloromethane	7.88	51.2 ug/kg	
22	Chloroform (CCC)	8.02	53.9 ug/kg	
23	1,1,1-Trichloroethane	9.00	50.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	39.8 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	48.3 ug/kg	

000823

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 10:23 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	49.4 ug/kg	
28	Benzene	9.59	51.2 ug/kg	
29	1,2-Dichloroethane	8.91	52.3 ug/kg	
30	Trichloroethylene	10.58	52.2 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	48.4 ug/kg	
32	Dibromomethane	10.41	42.5 ug/kg	#
33	Dichlorobromomethane	10.65	50.8 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	679.9 ug/kg	
35	trans-1,3-Dichloropropene	12.41	45.7 ug/kg	
36	4-Methyl-2-Pentanone	12.01	460.7 ug/kg	
37	Toluene-d8 (SURR)	12.72	40.1 ug/kg	
38	Toluene (CCC)	12.82	49.9 ug/kg	
39	cis-1,3-Dichloropropene	11.70	45.7 ug/kg	
40	Ethyl Methacrylate	13.28	456.3 ug/kg	
41	1,1,2-Trichloroethane	12.55	49.3 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	44.5 ug/kg	
44	1,3-Dichloropropane	12.92	49.0 ug/kg	
45	2-Hexanone	13.37	534.5 ug/kg	
46	Dibromochloromethane	13.21	53.8 ug/kg	
47	1,2-Dibromoethane	13.55	52.6 ug/kg	
48	Chlorobenzene (SPCC)	14.95	52.8 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	53.8 ug/kg	
50	Ethylbenzene (CCC)	15.37	53.6 ug/kg	
51	m,p-Xylene	15.72	116.3 ug/kg	
52	o-Xylene	16.33	54.2 ug/kg	
53	Styrene	16.22	56.8 ug/kg	
54	Bromoform (SPCC)	15.66	49.4 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	53.0 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	38.6 ug/kg	
58	Bromobenzene	17.18	50.2 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	50.2 ug/kg	
60	1,2,3-Trichloropropane	16.54	47.6 ug/kg	
61	n-Propylbenzene	17.71	54.4 ug/kg	
62	2-Chlorotoluene	17.75	54.2 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	499.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 10:23 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	54.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	58.9 ug/kg	
66	tert-Butylbenzene	18.68	55.2 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	55.2 ug/kg	
68	sec-Butylbenzene	19.10	59.0 ug/kg	
69	1,3-Dichlorobenzene	19.08	52.0 ug/kg	
70	1,4-Dichlorobenzene	19.23	51.4 ug/kg	
71	p-Isopropyltoluene	19.55	55.7 ug/kg	
72	1,2-Dichlorobenzene	19.85	53.5 ug/kg	
73	n-Butylbenzene	20.24	54.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	55.5 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

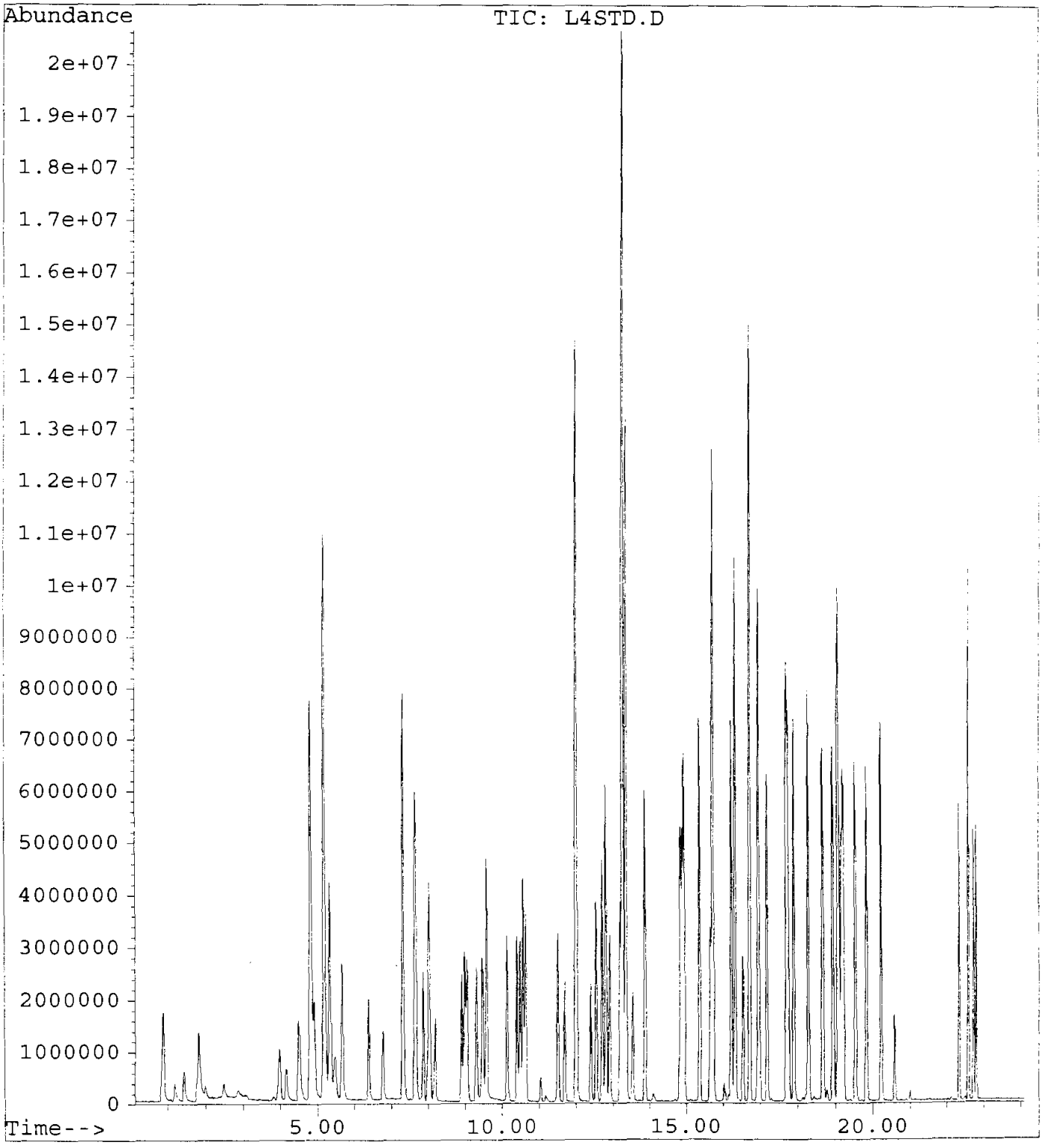
File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 10:23
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 50-500 PPB 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.064	168.00	Pentafluorobenzene	29015244	40.00	ug/kg	*ISTD
2	1.195	85.00	Dichlorodifluoromethane	7155943	60.44	ug/kg	
3	1.437	50.00	Chloromethane (SPCC)	10547486	40.58	ug/kg	
4	1.787	62.00	Vinyl Chloride (CCC)	8139011	45.25	ug/kg	
5	2.499	94.00	Bromomethane	3144567	36.31	ug/kg	
6	2.883	64.00	Chloroethane	1491280	36.25	ug/kg	
7	3.982	101.00	Trichlorofluoromethane	18409116	47.53	ug/kg	
8	4.167	56.00	Acrolein	11418707	453.18	ug/kg	
9	4.925	61.00	1,1-Dichloroethylene (CCC)	19709003	48.16	ug/kg	
10	5.186	78.00	Carbon Disulfide	29096606	512.99	ug/kg	
11	4.820	127.00	Iodomethane	1.16E+08	531.59	ug/kg	
12	4.502	43.00	Acetone	57786719	522.41	ug/kg	
13	5.347	49.00	Dichloromethane	19150946	45.67	ug/kg	
14	6.391	61.00	trans-1,2-Dichloroethylene	17514432	49.11	ug/kg	
15	5.337	53.00	Acrylonitrile	38000700	508.41	ug/kg	
16	6.780	63.00	1,1-Dichloroethane (SPCC)	21269227	48.96	ug/kg	
17	7.325	86.00	Vinyl Acetate	5153858	428.96	ug/kg	
18	8.050	77.00	2,2-Dichloropropane	22115433	48.90	ug/kg	
19	7.676	61.00	cis-1,2-Dichloroethylene	25059652	49.67	ug/kg	
20	7.651	72.00	Methyl Ethyl Ketone	13894897	511.65	ug/kg	

21	7.878	130.00	Bromochloromethane		9907502	51.23	ug/kg	
22	8.020	83.00	Chloroform (CCC)		33740863	53.91	ug/kg	
23	8.996	97.00	1,1,1-Trichloroethane		31075295	50.81	ug/kg	
24	8.193	113.00	Dibromofluoromethane (SURR)		13628047	39.81	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		36790855	40.00	ug/kg	ISTD
26	9.316	75.00	1,1-Dichloropropene		22817709	48.33	ug/kg	
27	9.483	117.00	Carbon Tetrachloride		27011557	49.36	ug/kg	
28	9.593	78.00	Benzene		57965682	51.23	ug/kg	
29	8.911	62.00	1,2-Dichloroethane		30885284	52.27	ug/kg	
30	10.581	130.00	Trichloroethylene		19623368	52.25	ug/kg	
31	10.495	63.00	1,2-Dichloropropane (CCC)		18333098	48.39	ug/kg	
32	10.412	174.00	Dibromomethane		17095839	42.47	ug/kg	
33	10.649	83.00	Dichlorobromomethane		30956811	50.79	ug/kg	
34	11.517	63.00	2-Chloroethyl Vinyl Ether		18798863	679.94	ug/kg	
35	12.406	75.00	trans-1,3-Dichloropropene		22222454	45.68	ug/kg	
36	12.007	43.00	4-Methyl-2-Pentanone		2.3E+08	460.75	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)		44327673	40.05	ug/kg	
38	12.819	91.00	Toluene (CCC)		67601552	49.93	ug/kg	
39	11.699	75.00	cis-1,3-Dichloropropene		24414162	45.68	ug/kg	
40	13.280	99.00	Ethyl Methacrylate		45915509	456.26	ug/kg	
41	12.554	97.00	1,1,2-Trichloroethane		17387584	49.27	ug/kg	
42	14.897	54.00	Chlorobenzene-d5		11376801	40.00	ug/kg	ISTD
43	13.884	166.00	Tetrachloroethylene		30656545	44.53	ug/kg	
44	12.925	76.00	1,3-Dichloropropane		25321213	49.04	ug/kg	
45	13.365	43.00	2-Hexanone		1.83E+08	534.54	ug/kg	
46	13.206	129.00	Dibromochloromethane		27062081	53.82	ug/kg	
47	13.548	107.00	1,2-Dibromoethane		19411617	52.59	ug/kg	
48	14.946	112.00	Chlorobenzene (SPCC)		51650649	52.76	ug/kg	

49	14.850	131.00	1,1,1,2-Tetrachloroethane	24725607	53.77	ug/kg	
50	15.367	91.00	Ethylbenzene (CCC)	88112039	53.62	ug/kg	
51	15.722	106.00	m,p-Xylene	61085307	116.32	ug/kg	
52	16.328	91.00	o-Xylene	74513529	54.20	ug/kg	
53	16.220	104.00	Styrene	50118040	56.78	ug/kg	
54	15.658	173.00	Bromoform (SPCC)	28465572	49.37	ug/kg	
55	19.179	152.00	1,4-Dichlorobenzene-d4	24697087	40.00	ug/kg	ISTD
56	16.966	105.00	Isopropylbenzene	81232931	52.98	ug/kg	
57	16.938	95.00	4-Bromofluorobenzene (SURR)	22149157	38.60	ug/kg	
58	17.184	158.00	Bromobenzene	29697533	50.24	ug/kg	
59	16.315	83.00	1,1,2,2-Tetrachloroethane (SPCC)	26824441	50.18	ug/kg	
60	16.538	75.00	1,2,3-Trichloropropane	22275216	47.60	ug/kg	
61	17.705	91.00	n-Propylbenzene	1.73E+08	54.43	ug/kg	
62	17.749	126.00	2-Chlorotoluene	22428876	54.23	ug/kg	
63	16.715	75.00	1,4-Dichloro-2-Butene	66653430	499.13	ug/kg	
64	17.901	91.00	4-Chlorotoluene	69345218	54.23	ug/kg	
65	18.289	105.00	1,3,5-Trimethylbenzene	76871497	58.86	ug/kg	
66	18.678	119.00	tert-Butylbenzene	59058276	55.18	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene	30192492	55.24	ug/kg	
68	19.101	105.00	sec-Butylbenzene	85874955	59.00	ug/kg	
69	19.076	146.00	1,3-Dichlorobenzene	45812082	51.99	ug/kg	
70	19.229	146.00	1,4-Dichlorobenzene	46659351	51.44	ug/kg	
71	19.548	119.00	p-Isopropyltoluene	66729532	55.75	ug/kg	
72	19.847	146.00	1,2-Dichlorobenzene	45063743	53.51	ug/kg	
73	20.237	91.00	n-Butylbenzene	64377833	54.30	ug/kg	
74	20.594	157.00	1,2-Dibromo-3-Chloropropane	8644060	55.46	ug/kg	

File : C:\HPCHEM\1\DATA\0801\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 10:23 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 9:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	98.3 %	80 - 120
Toluene-d8	108.8 %	81 - 117
4-Bromofluorobenzene	90.3 %	74 - 121

Approved by: Jung Hamworth

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 9:39 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.08	1.6 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.52	2.5 ug/kg	
13	Dichloromethane	5.34	0.6 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.85	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	0.1 ug/kg	
23	1,1,1-Trichloroethane	***** NOT FOUND *****		
24	Dibromofluoromethane (SURR)	8.20	39.3 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 9:39 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.0 ug/kg	#
29	1,2-Dichloroethane	9.06	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.72	43.5 ug/kg	
38	Toluene (CCC)	12.83	0.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	13.24	0.0 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.91	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	16.33	0.0 ug/kg	#
53	Styrene	16.12	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	36.1 ug/kg	
58	Bromobenzene	17.19	0.0 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 9:39 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	19.84	0.0 ug/kg	#
73	n-Butylbenzene	20.20	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.56	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

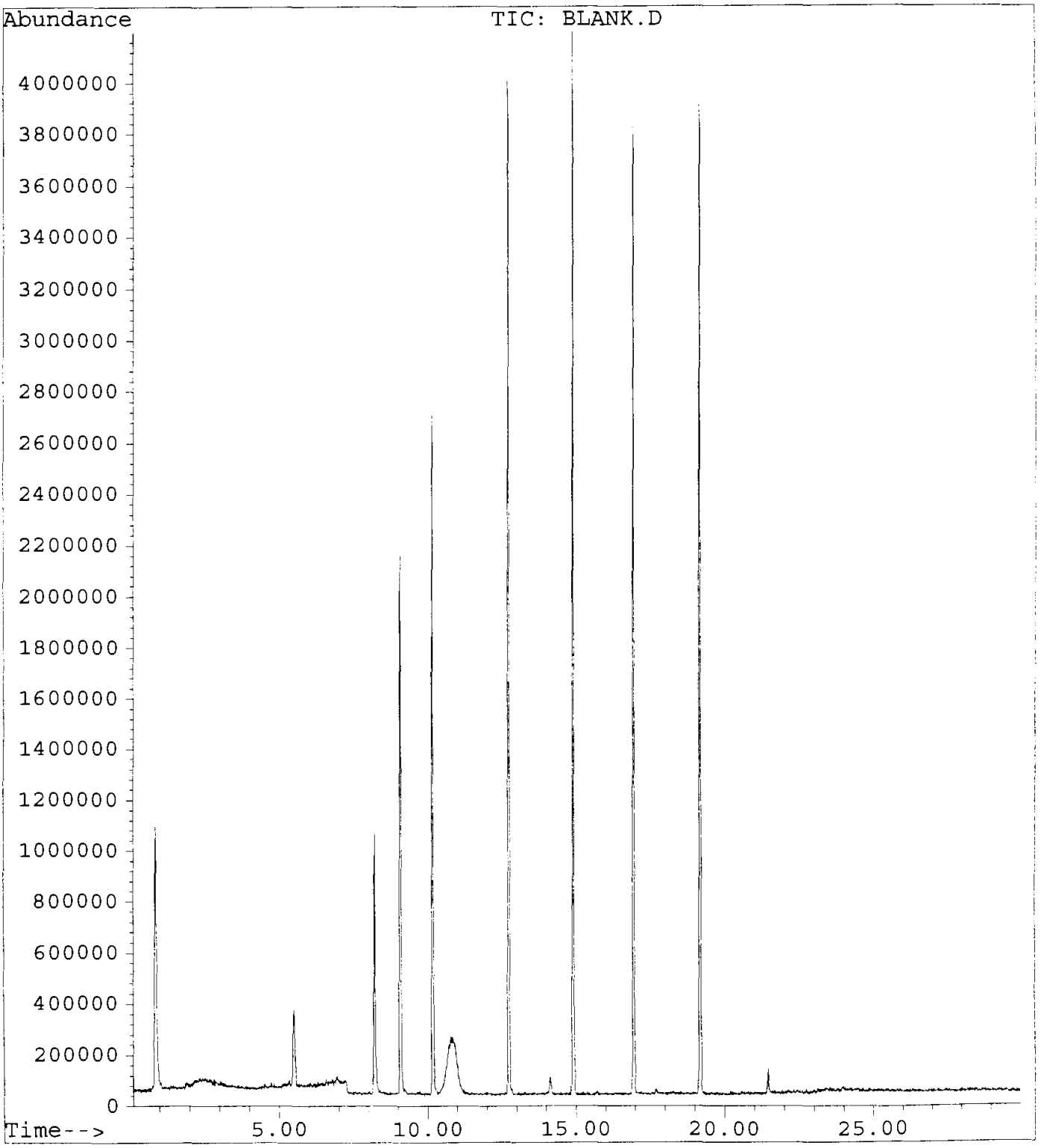
File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 9:39
Method	8260LLS
Misc Info	BLANK 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.069	168.00	Pentafluorobenzene	24482351	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.079	56.00	Acrolein	31779	1.63	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.522	43.00	Acetone	204312	2.51	ug/kg	
13	5.341	49.00	Dichloromethane	219485	0.57	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.852	61.00	cis-1,2-Dichloroethylene	22615	0.05	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.031	83.00	Chloroform (CCC)	74707	0.13	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane	0	0.00	ug/kg	
24	8.198	113.00	Dibromofluoromethane (SURR)	9876386	39.32	ug/kg	
25	10.152	114.00	1,4-Difluorobenzene	30627537	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene	0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.593	78.00	Benzene	23614	0.02	ug/kg	
29	9.062	62.00	1,2-Dichloroethane	35807	0.08	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone	0	0.00	ug/kg	
37	12.723	98.00	Toluene-d8 (SURR)	40113616	43.54	ug/kg	
38	12.826	91.00	Toluene (CCC)	171754	0.14	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.900	54.00	Chlorobenzene-d5	9857560	40.00	ug/kg	ISTD
43	13.888	166.00	Tetrachloroethylene	25135	0.04	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone	0	0.00	ug/kg	
46	13.238	129.00	Dibromochloromethane	13254	0.03	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.910	112.00	Chlorobenzene (SPCC)	30384	0.04	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.356	91.00	Ethylbenzene (CCC)	39877	0.03	ug/kg	
51	0.000	106.00	m,p-Xylene	0	0.00	ug/kg	
52	16.327	91.00	o-Xylene	20895	0.02	ug/kg	
53	16.122	104.00	Styrene	17885	0.03	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.181	152.00	1,4-Dichlorobenzene-d4	20799291	40.00	ug/kg	ISTD
56	16.955	105.00	Isopropylbenzene	81236	0.06	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)	17446722	36.10	ug/kg	
58	17.185	158.00	Bromobenzene	11777	0.02	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene	0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene	0	0.00	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene	0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene	0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene	0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene	0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene	0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene	0	0.00	ug/kg	
72	19.842	146.00	1,2-Dichlorobenzene	16519	0.02	ug/kg	
73	20.203	91.00	n-Butylbenzene	14796	0.02	ug/kg	
74	20.560	157.00	1,2-Dibromo-3-Chloropropane	5009	0.03	ug/kg	

File : C:\HPCHEM\1\DATA\0801\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 9:39 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0005(A-E)
Control No.: 82633
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 11:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	52	52
Acrolein	<	52	52
Acrylonitrile	<	52	52
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	52	52
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	52	52
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	52	52

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	99.4 %	80 - 120
Toluene-d8	100.4 %	81 - 117
4-Bromofluorobenzene	101.2 %	74 - 121

Percent Solids	96.0 %

Approved by:

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82633.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 11:39 am using AcqMethod 8260LLS
Sample Name: 82633 COMPOSITE OF 5
Misc Info : 82633 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	0.4 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.2 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.13	0.4 ug/kg	#
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.47	37.9 ug/kg	
13	Dichloromethane	5.33	-10.5 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.65	4.3 ug/kg	
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	#
23	1,1,1-Trichloroethane	9.00	1.0 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	39.8 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82633.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 11:39 am using AcqMethod 8260LLS
Sample Name: 82633 COMPOSITE OF 5
Misc Info : 82633 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.47	0.1 ug/kg	#
28	Benzene	9.59	0.1 ug/kg	#
29	1,2-Dichloroethane	9.05	0.2 ug/kg	#
30	Trichloroethylene	10.61	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.79	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.38	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	12.00	0.3 ug/kg	#
37	Toluene-d8 (SURR)	12.72	40.1 ug/kg	
38	Toluene (CCC)	12.82	4.3 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	1.1 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.5 ug/kg	
51	m,p-Xylene	15.72	3.6 ug/kg	
52	o-Xylene	16.33	1.5 ug/kg	
53	Styrene	16.22	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	40.5 ug/kg	
58	Bromobenzene	17.19	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	16.18	0.1 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.1 ug/kg	#
62	2-Chlorotoluene	17.73	0.2 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82633.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 11:39 am using AcqMethod 8260LLS
Sample Name: 82633 COMPOSITE OF 5
Misc Info : 82633 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	0.5 ug/kg	
66	tert-Butylbenzene	18.67	0.2 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	1.1 ug/kg	
68	sec-Butylbenzene	19.07	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.21	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.2 ug/kg	
73	n-Butylbenzene	20.24	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.62	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

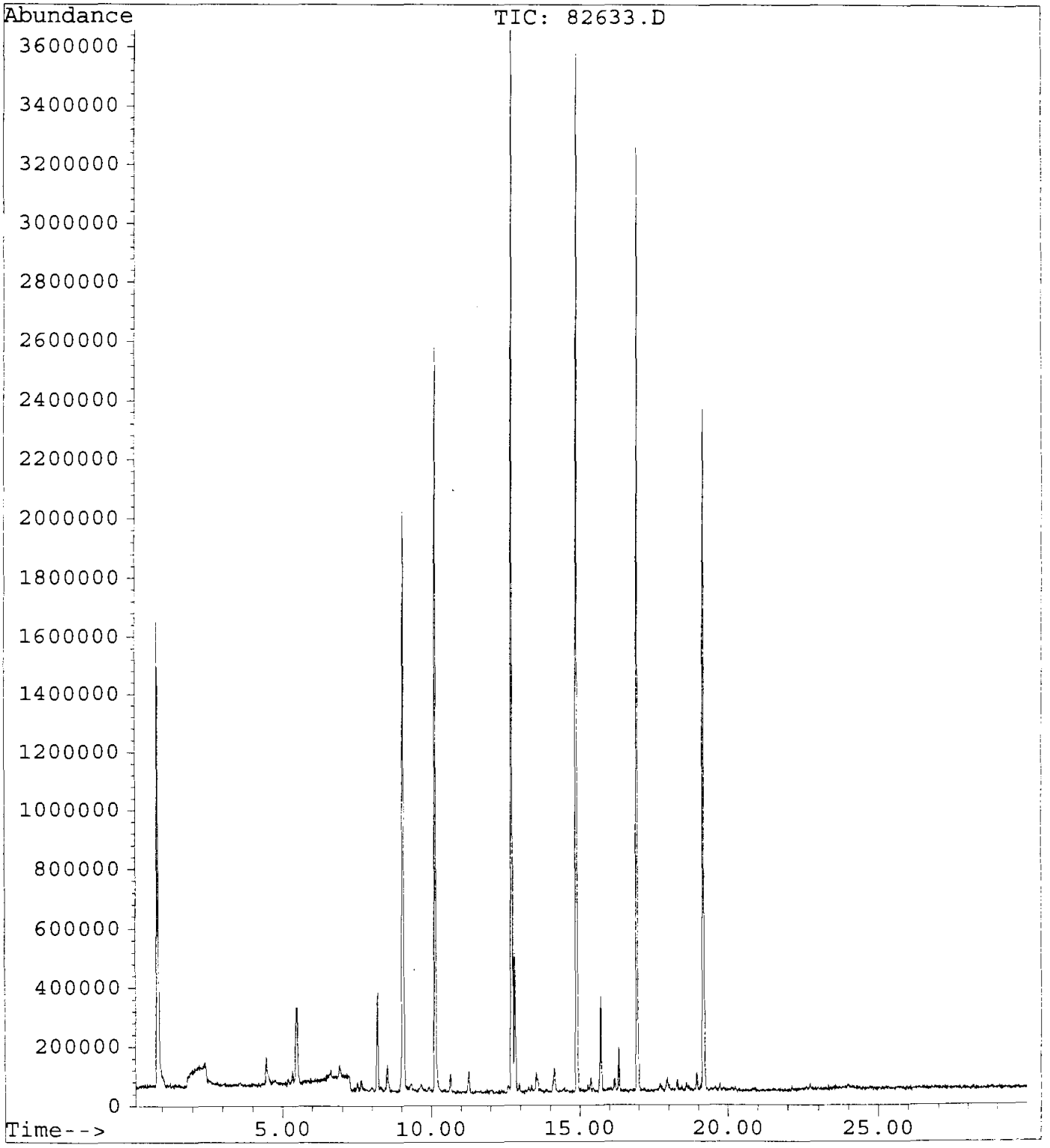
File Name	82633.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 11:39
Method	8260LLS
Misc Info	82633 COMPOSITE OF 5 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	23186808	40.00	ug/kg	*ISTD
2	1.184	85.00	Dichlorodifluoromethane	42062	0.41	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.974	101.00	Trichlorofluoromethane	51216	0.16	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.128	78.00	Carbon Disulfide	18154	0.38	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.470	43.00	Acetone	2943484	37.87	ug/kg	
13	5.332	49.00	Dichloromethane	400823	-10.45	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.647	72.00	Methyl Ethyl Ketone	84438	4.31	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.009	83.00	Chloroform (CCC)	110925	0.21	ug/kg	
23	9.002	97.00	1,1,1-Trichloroethane	480997	0.98	ug/kg	
24	8.187	113.00	Dibromofluoromethane (SURR)	3113728	39.76	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene	29103304	40.00	ug/kg	ISTD
26	9.298	75.00	1,1-Dichloropropene	101155	0.28	ug/kg	
27	9.474	117.00	Carbon Tetrachloride	25917	0.07	ug/kg	
28	9.588	78.00	Benzene	100227	0.11	ug/kg	
29	9.052	62.00	1,2-Dichloroethane	63386	0.15	ug/kg	
30	10.610	130.00	Trichloroethylene	31584	0.11	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	10.791	83.00	Dichlorobromomethane	14146	0.03	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	12.377	75.00	trans-1,3-Dichloropropene	32274	0.11	ug/kg	
36	11.996	43.00	4-Methyl-2-Pentanone	148780	0.30	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)	35145029	40.14	ug/kg	
38	12.820	91.00	Toluene (CCC)	5099230	4.34	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5	8475486	40.00	ug/kg	ISTD
43	13.880	166.00	Tetrachloroethylene	65840	0.12	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.372	43.00	2-Hexanone	302034	1.09	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.945	112.00	Chlorobenzene (SPCC)	54582	0.08	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.374	91.00	Ethylbenzene (CCC)	588143	0.50	ug/kg	
51	15.716	106.00	m,p-Xylene	1407888	3.58	ug/kg	
52	16.325	91.00	o-Xylene	1487393	1.45	ug/kg	
53	16.224	104.00	Styrene	50519	0.08	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.178	152.00	1,4-Dichlorobenzene-d4	12233899	40.00	ug/kg	ISTD
56	16.965	105.00	Isopropylbenzene	171834	0.20	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)	14205203	40.46	ug/kg	
58	17.187	158.00	Bromobenzene	28071	0.09	ug/kg	
59	16.182	83.00	1,1,2,2-Tetrachloroethane (SPCC)	20568	0.07	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.707	91.00	n-Propylbenzene	142833	0.09	ug/kg	
62	17.731	126.00	2-Chlorotoluene	55935	0.24	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.707	91.00	4-Chlorotoluene	142770	0.22	ug/kg	
65	18.291	105.00	1,3,5-Trimethylbenzene	353365	0.53	ug/kg	
66	18.668	119.00	tert-Butylbenzene	102227	0.20	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene	289963	1.08	ug/kg	
68	19.075	105.00	sec-Butylbenzene	10526	0.02	ug/kg	
69	19.067	146.00	1,3-Dichlorobenzene	47337	0.11	ug/kg	
70	19.213	146.00	1,4-Dichlorobenzene	59824	0.13	ug/kg	
71	19.555	119.00	p-Isopropyltoluene	113213	0.21	ug/kg	
72	19.840	146.00	1,2-Dichlorobenzene	86567	0.21	ug/kg	
73	20.243	91.00	n-Butylbenzene	116790	0.23	ug/kg	
74	20.624	157.00	1,2-Dibromo-3-Chloropropane	11137	0.12	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82633.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 11:39 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82633 COMPOSITE OF 5
Misc Info : 82633 COMPOSITE OF 5 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0007(A-E)
Control No.: 82635
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 11:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	64	64
Acrolein	<	64	64
Acrylonitrile	<	64	64
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	64	64
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	26	26
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	64	64
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	64	64

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1;2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	100.0 %	80 - 120
Toluene-d8	107.5 %	81 - 117
4-Bromofluorobenzene	99.3 %	74 - 121

Percent Solids	78.0 %

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82635.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 12:42 pm using AcqMethod 8260LLS
Sample Name: 82635 COMPOSITE OF 5
Misc Info : 82635 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.44	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.89	0.2 ug/kg	#
5	Bromomethane	2.47	0.6 ug/kg	#
6	Chloroethane	2.88	0.6 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.79	0.5 ug/kg	
12	Acetone	4.47	19.1 ug/kg	
13	Dichloromethane	5.32	-9.4 ug/kg	
14	trans-1,2-Dichloroethylene	6.32	0.1 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	7.01	0.1 ug/kg	#
17	Vinyl Acetate	7.25	4.6 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.67	2.2 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	#
23	1,1,1-Trichloroethane	8.99	1.5 ug/kg	
24	Dibromofluoromethane (SURR)	8.18	40.0 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82635.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 12:42 pm using AcqMethod 8260LLS
Sample Name: 82635 COMPOSITE OF 5
Misc Info : 82635 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.2 ug/kg	
29	1,2-Dichloroethane	9.05	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.71	43.0 ug/kg	
38	Toluene (CCC)	12.81	2.8 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.90	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	
51	m,p-Xylene	15.72	0.2 ug/kg	#
52	o-Xylene	16.33	0.1 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	43.4 ug/kg	
58	Bromobenzene	17.17	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.73	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82635.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 12:42 pm using AcqMethod 8260LLS
Sample Name: 82635 COMPOSITE OF 5
Misc Info : 82635 COMPOSITE OF 5 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.89	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	0.1 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.94	0.1 ug/kg	#
68	sec-Butylbenzene	19.08	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	19.82	0.0 ug/kg	#
73	n-Butylbenzene	20.23	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.57	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

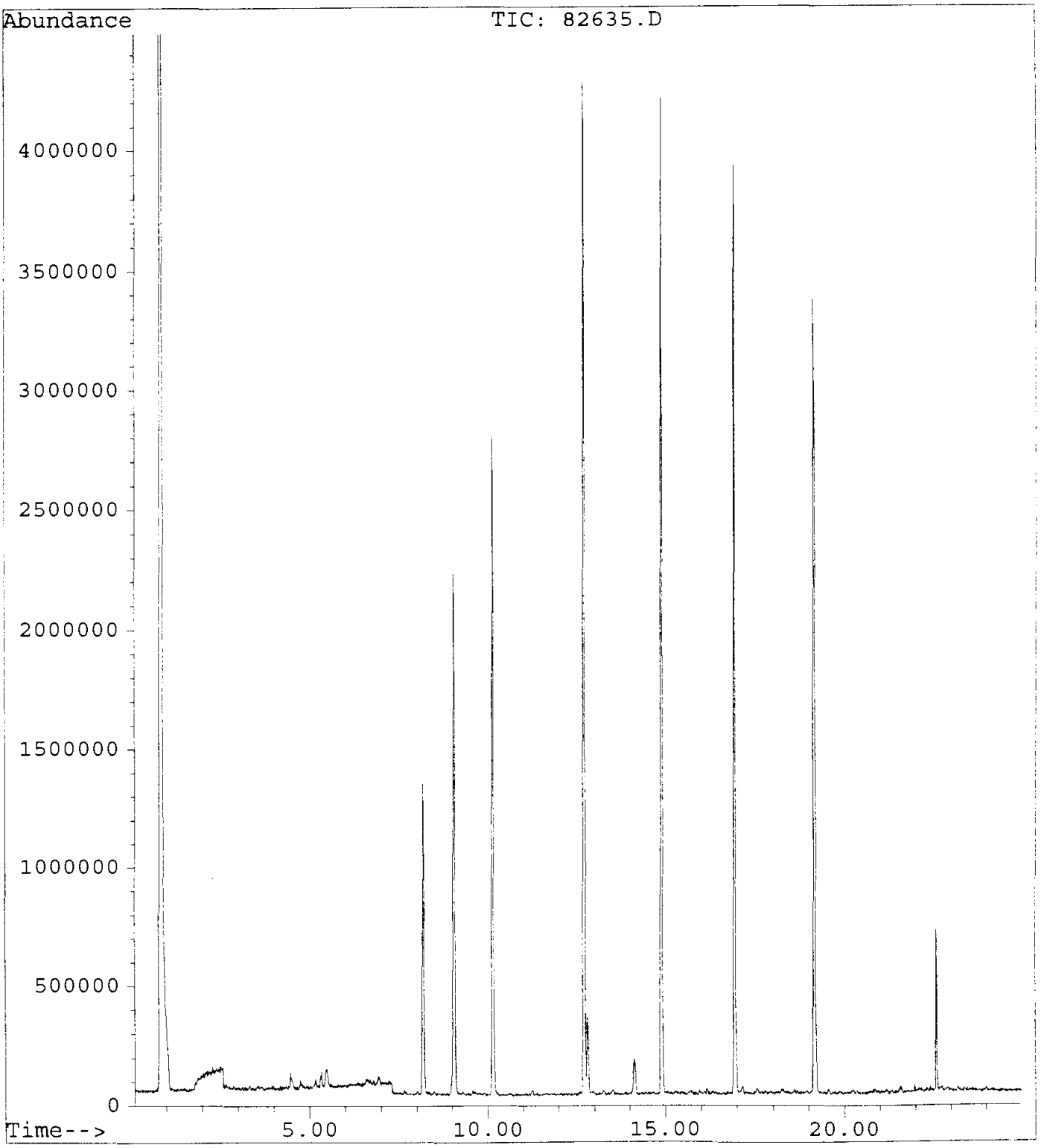
File Name	82635.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 12:42
Method	8260LLS
Misc Info	82635 COMPOSITE OF 5 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.057	168.00	Pentafluorobenzene	24517949	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.440	50.00	Chloromethane (SPCC)	39536	0.16	ug/kg	
4	1.889	62.00	Vinyl Chloride (CCC)	29714	0.18	ug/kg	
5	2.472	94.00	Bromomethane	44857	0.61	ug/kg	
6	2.881	64.00	Chloroethane	22088	0.59	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.788	127.00	Iodomethane	66245	0.46	ug/kg	
12	4.473	43.00	Acetone	1561122	19.10	ug/kg	
13	5.324	49.00	Dichloromethane	655664	-9.41	ug/kg	
14	6.317	61.00	trans-1,2-Dichloroethylene	27659	0.10	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	7.014	63.00	1,1-Dichloroethane (SPCC)	42632	0.12	ug/kg	
17	7.247	86.00	Vinyl Acetate	31798	4.63	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.666	72.00	Methyl Ethyl Ketone	45140	2.18	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.006	83.00	Chloroform (CCC)	126419	0.22	ug/kg	
23	8.994	97.00	1,1,1-Trichloroethane	763322	1.47	ug/kg	
24	8.184	113.00	Dibromofluoromethane (SURR)	11572737	40.00	ug/kg	
25	10.142	114.00	1,4-Difluorobenzene	31237673	40.00	ug/kg	ISTD
26	9.296	75.00	1,1-Dichloropropene	74528	0.19	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.589	78.00	Benzene	177298	0.18	ug/kg	
29	9.046	62.00	1,2-Dichloroethane	41638	0.09	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone	0	0.00	ug/kg	
37	12.712	98.00	Toluene-d8 (SURR)	40384002	42.98	ug/kg	
38	12.813	91.00	Toluene (CCC)	3547605	2.80	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.890	54.00	Chlorobenzene-d5	9677357	40.00	ug/kg	ISTD
43	13.901	166.00	Tetrachloroethylene	59976	0.10	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone	0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)	0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.382	91.00	Ethylbenzene (CCC)		109720	0.08	ug/kg	
51	15.722	106.00	m,p-Xylene		92306	0.21	ug/kg	
52	16.326	91.00	o-Xylene		64125	0.05	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.172	152.00	1,4-Dichlorobenzene-d4		17569507	40.00	ug/kg	ISTD
56	16.963	105.00	Isopropylbenzene		92475	0.07	ug/kg	
57	16.931	95.00	4-Bromofluorobenzene (SURR)		17730811	43.44	ug/kg	
58	17.172	158.00	Bromobenzene		29004	0.06	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.734	91.00	n-Propylbenzene		27864	0.01	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.890	91.00	4-Chlorotoluene		49440	0.05	ug/kg	
65	18.277	105.00	1,3,5-Trimethylbenzene		106155	0.11	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.937	120.00	1,2,4-Trimethylbenzene		37421	0.10	ug/kg	
68	19.083	105.00	sec-Butylbenzene		42324	0.04	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		32161	0.05	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	19.822	146.00	1,2-Dichlorobenzene		9285	0.02	ug/kg	
73	20.226	91.00	n-Butylbenzene		61117	0.08	ug/kg	
74	20.570	157.00	1,2-Dibromo-3-Chloropropane		8150	0.06	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82635.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 12:42 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82635 COMPOSITE OF 5
Misc Info : 82635 COMPOSITE OF 5 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950718-FW-IW-SL0025(A-C)
Control No.: 82637
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 13:30
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	97.8 %	80 - 120
Toluene-d8	102.5 %	81 - 117
4-Bromofluorobenzene	99.3 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hamasaki

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82637.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 1:30 pm using AcqMethod 8260LLS
Sample Name: 82637 COMPOSITE OF 3
Misc Info : 82637 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.42	0.4 ug/kg	#
6	Chloroethane	2.86	0.6 ug/kg	#
7	Trichlorofluoromethane	3.97	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.20	0.8 ug/kg	#
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.51	3.9 ug/kg	
13	Dichloromethane	5.33	-10.2 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.00	0.3 ug/kg	
23	1,1,1-Trichloroethane	9.00	0.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	39.1 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82637.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 1:30 pm using AcqMethod 8260LLS
Sample Name: 82637 COMPOSITE OF 3
Misc Info : 82637 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	0.1 ug/kg	#
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	9.06	-0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.58	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	11.38	1.1 ug/kg	#
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.71	41.0 ug/kg	
38	Toluene (CCC)	12.81	2.4 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.48	0.1 ug/kg	#
46	Dibromochloromethane	13.08	0.1 ug/kg	#
47	1,2-Dibromoethane	13.58	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.0 ug/kg	#
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	16.31	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.93	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	39.7 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.16	0.0 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82637.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 1:30 pm using AcqMethod 8260LLS
Sample Name: 82637 COMPOSITE OF 3
Misc Info : 82637 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.69	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.1 ug/kg	#
66	tert-Butylbenzene	18.53	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.10	0.0 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.55	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.1 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.57	0.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

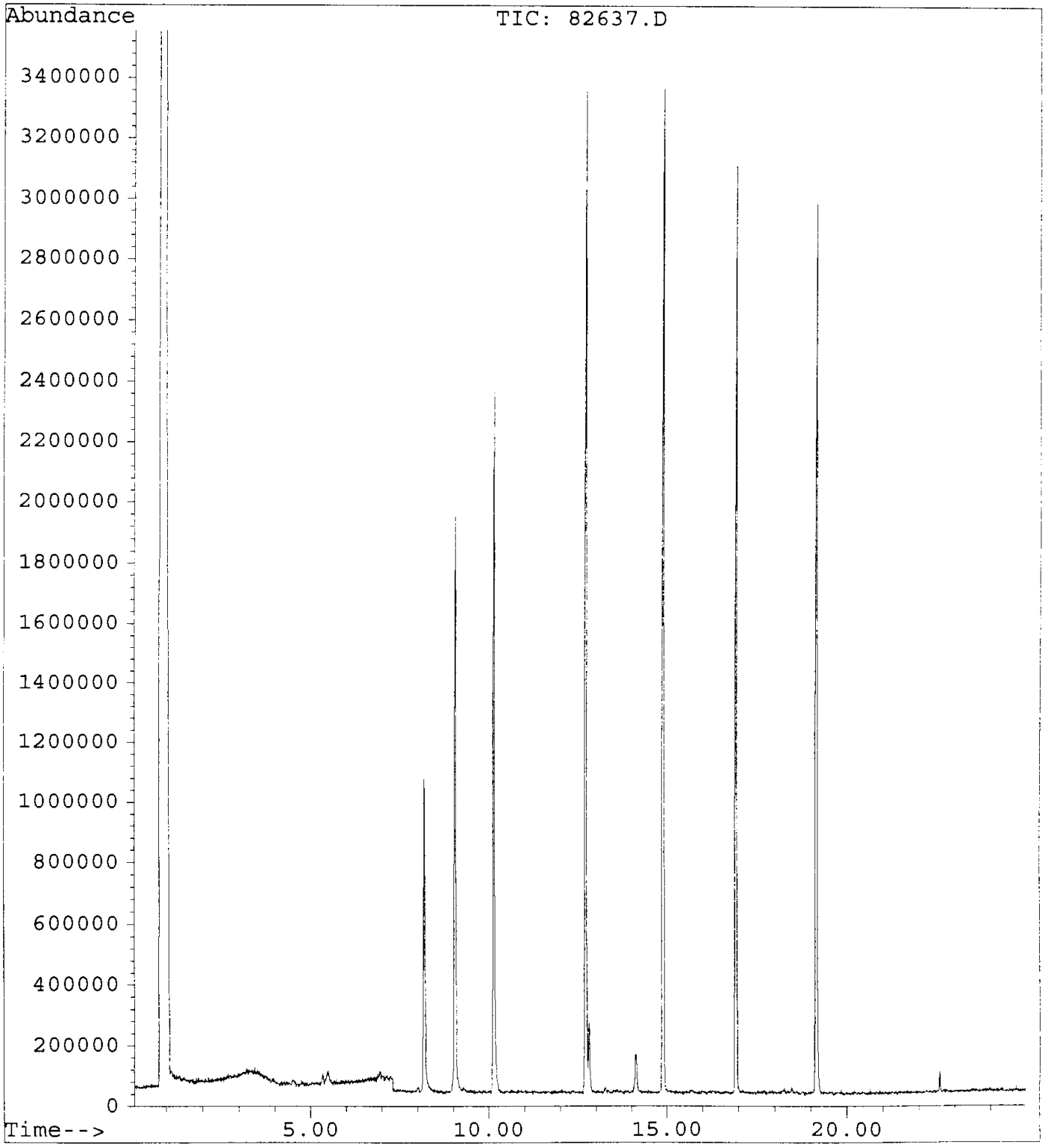
File Name	82637.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 13:30
Method	8260LLS
Misc Info	82637 COMPOSITE OF 3 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.058	168.00	Pentafluorobenzene	21752586	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.422	94.00	Bromomethane	25194	0.39	ug/kg	
6	2.863	64.00	Chloroethane	20303	0.61	ug/kg	
7	3.971	101.00	Trichlorofluoromethane	30310	0.10	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.195	78.00	Carbon Disulfide	37102	0.82	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.509	43.00	Acetone	280033	3.88	ug/kg	
13	5.332	49.00	Dichloromethane	418587	-10.24	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.004	83.00	Chloroform (CCC)	131390	0.26	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane	382751	0.83	ug/kg	
24	8.188	113.00	Dibromofluoromethane (SURR)	10038854	39.11	ug/kg	
25	10.142	114.00	1,4-Difluorobenzene	26656376	40.00	ug/kg	ISTD
26	9.298	75.00	1,1-Dichloropropene	82347	0.25	ug/kg	
27	9.478	117.00	Carbon Tetrachloride	23211	0.06	ug/kg	
28	0.000	78.00	Benzene	0	0.00	ug/kg	
29	9.056	62.00	1,2-Dichloroethane	-4021	-0.01	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	10.580	63.00	1,2-Dichloropropane (CCC)	27440	0.10	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	11.377	63.00	2-Chloroethyl Vinyl Ether	4644	1.06	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone	0	0.00	ug/kg	
37	12.711	98.00	Toluene-d8 (SURR)	32859153	40.98	ug/kg	
38	12.811	91.00	Toluene (CCC)	2600272	2.41	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.889	54.00	Chlorobenzene-d5	7921640	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene	0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.478	43.00	2-Hexanone	31443	0.12	ug/kg	
46	13.082	129.00	Dibromochloromethane	22486	0.07	ug/kg	
47	13.578	107.00	1,2-Dibromoethane	15997	0.07	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)	0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)	33076	0.03	ug/kg	
51	0.000	106.00	m,p-Xylene	0	0.00	ug/kg	
52	16.308	91.00	o-Xylene	46237	0.05	ug/kg	
53	0.000	104.00	Styrene	0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.168	152.00	1,4-Dichlorobenzene-d4	15252862	40.00	ug/kg	ISTD
56	16.931	105.00	Isopropylbenzene	57262	0.05	ug/kg	
57	16.929	95.00	4-Bromofluorobenzene (SURR)	14078131	39.73	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	16.156	83.00	1,1,2,2-Tetrachloroethane (SPCC)	10161	0.03	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.694	91.00	n-Propylbenzene	25937	0.01	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.694	91.00	4-Chlorotoluene	26949	0.03	ug/kg	
65	18.288	105.00	1,3,5-Trimethylbenzene	65214	0.08	ug/kg	
66	18.533	119.00	tert-Butylbenzene	15620	0.02	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene	0	0.00	ug/kg	
68	19.100	105.00	sec-Butylbenzene	10189	0.01	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene	0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	19.554	119.00	p-Isopropyltoluene	31257	0.05	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene	0	0.00	ug/kg	
73	20.230	91.00	n-Butylbenzene	47021	0.08	ug/kg	
74	20.572	157.00	1,2-Dibromo-3-Chloropropane	5558	0.05	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82637.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 1:30 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82637 COMPOSITE OF 3
Misc Info : 82637 COMPOSITE OF 3 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0020(A-H)
Control No.: 82684
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 14:47
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		7	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	96.3 %	80 - 120
Toluene-d8	99.9 %	81 - 117
4-Bromofluorobenzene	110.1 %	74 - 121

Percent Solids	99.6 %

Approved by: Jerry Hancastle

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82684.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 82684 COMPOSITE OF 7
Misc Info : 82684 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.41	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.98	0.5 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	5.02	0.1 ug/kg	#
10	Carbon Disulfide	5.13	0.4 ug/kg	#
11	Iodomethane	4.78	0.3 ug/kg	#
12	Acetone	4.47	3.9 ug/kg	
13	Dichloromethane	5.31	-9.2 ug/kg	
14	trans-1,2-Dichloroethylene	6.30	0.2 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	7.02	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.5 ug/kg	
23	1,1,1-Trichloroethane	8.98	3.0 ug/kg	
24	Dibromofluoromethane (SURR)	8.18	38.5 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82684.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 82684 COMPOSITE OF 7
Misc Info : 82684 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.62	0.0 ug/kg	#
29	1,2-Dichloroethane	9.02	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.28	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	11.86	0.2 ug/kg	#
37	Toluene-d8 (SURR)	12.71	40.0 ug/kg	
38	Toluene (CCC)	12.81	7.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.88	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.1 ug/kg	
51	m,p-Xylene	15.70	0.7 ug/kg	
52	o-Xylene	16.32	0.6 ug/kg	
53	Styrene	16.32	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	44.0 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	0.1 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82684.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 82684 COMPOSITE OF 7
Misc Info : 82684 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.94	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	1.2 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.92	1.4 ug/kg	
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.86	0.1 ug/kg	#
73	n-Butylbenzene	20.15	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.45	0.2 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	82684.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 14:17
Method	8260LLS
Misc Info	82684 COMPOSITE OF 7 0801
Bottle Number	1
Number of Compounds	74

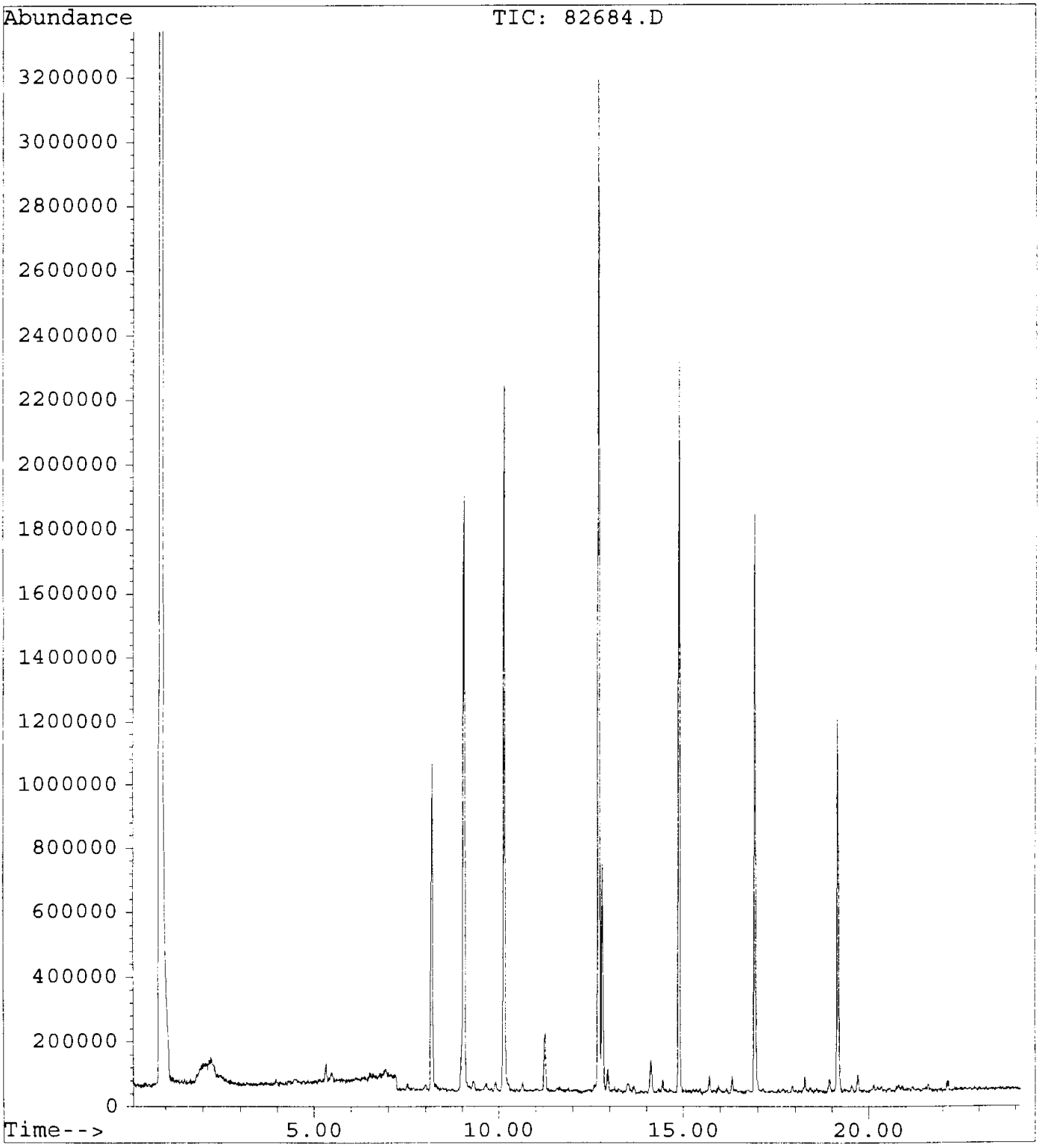
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.049	168.00	Pentafluorobenzene	21295561	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.412	50.00	Chloromethane (SPCC)	51359	0.24	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.980	101.00	Trichlorofluoromethane	144374	0.49	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	5.022	61.00	1,1-Dichloroethylene (CCC)	18568	0.06	ug/kg	
10	5.133	78.00	Carbon Disulfide	19639	0.45	ug/kg	
11	4.784	127.00	Iodomethane	42177	0.33	ug/kg	
12	4.471	43.00	Acetone	273228	3.86	ug/kg	
13	5.311	49.00	Dichloromethane	617251	-9.17	ug/kg	
14	6.299	61.00	trans-1,2-Dichloroethylene	43865	0.18	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	7.020	63.00	1,1-Dichloroethane (SPCC)	32938	0.10	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

000871

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.010	83.00	Chloroform (CCC)	232570	0.47	ug/kg	
23	8.978	97.00	1,1,1-Trichloroethane	1375500	3.04	ug/kg	
24	8.180	113.00	Dibromofluoromethane (SURR)	9673213	38.50	ug/kg	
25	10.136	114.00	1,4-Difluorobenzene	25213028	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene	0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.617	78.00	Benzene	19248	0.02	ug/kg	
29	9.024	62.00	1,2-Dichloroethane	42974	0.12	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	12.276	75.00	trans-1,3-Dichloropropene	21491	0.08	ug/kg	
36	11.862	43.00	4-Methyl-2-Pentanone	68074	0.16	ug/kg	
37	12.707	98.00	Toluene-d8 (SURR)	30317584	39.97	ug/kg	
38	12.806	91.00	Toluene (CCC)	7295823	7.21	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.885	54.00	Chlorobenzene-d5	5526677	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene	0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone	0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)	0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.367	91.00	Ethylbenzene (CCC)	89242	0.12	ug/kg	
51	15.704	106.00	m,p-Xylene	188918	0.74	ug/kg	
52	16.319	91.00	o-Xylene	399028	0.60	ug/kg	
53	16.317	104.00	Styrene	18779	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.167	152.00	1,4-Dichlorobenzene-d4	5941167	40.00	ug/kg	ISTD
56	16.947	105.00	Isopropylbenzene	94046	0.22	ug/kg	
57	16.928	95.00	4-Bromofluorobenzene (SURR)	7832189	44.05	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.691	91.00	n-Propylbenzene	87061	0.11	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.938	91.00	4-Chlorotoluene	36128	0.11	ug/kg	
65	18.279	105.00	1,3,5-Trimethylbenzene	382375	1.19	ug/kg	
66	0.000	119.00	tert-Butylbenzene	0	0.00	ug/kg	
67	18.923	120.00	1,2,4-Trimethylbenzene	183865	1.41	ug/kg	
68	0.000	105.00	sec-Butylbenzene	0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene	0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	19.535	119.00	p-Isopropyltoluene	57028	0.22	ug/kg	
72	19.859	146.00	1,2-Dichlorobenzene	11239	0.06	ug/kg	
73	20.148	91.00	n-Butylbenzene	20521	0.08	ug/kg	
74	20.451	157.00	1,2-Dibromo-3-Chloropropane	8228	0.19	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82684.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 2:17 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82684 COMPOSITE OF 7
Misc Info : 82684 COMPOSITE OF 7 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0021(A-F)
Control No.: 82686
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 14:47
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	52	52
Acrolein	<	52	52
Acrylonitrile	<	52	52
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	52	52
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	52	52
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	52	52

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	102.5 %	80 - 120
Toluene-d8	98.5 %	81 - 117
4-Bromofluorobenzene	120.5 %	74 - 121

Percent Solids	96.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82686.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:04 pm using AcqMethod 8260LLS
Sample Name: 82686 COMPOSITE OF 7
Misc Info : 82686 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.83	0.2 ug/kg	#
5	Bromomethane	2.44	0.8 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.96	0.3 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.79	0.2 ug/kg	#
12	Acetone	4.45	31.8 ug/kg	
13	Dichloromethane	5.31	-9.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.45	0.1 ug/kg	#
15	Acrylonitrile	5.23	0.9 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.20	2.0 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.63	3.4 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.3 ug/kg	
23	1,1,1-Trichloroethane	8.98	1.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.18	41.0 ug/kg	
25	1,4-Difluorobenzene	10.13	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

000827

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82686.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:04 pm using AcqMethod 8260LLS
Sample Name: 82686 COMPOSITE OF 7
Misc Info : 82686 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.39	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.66	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.39	0.0 ug/kg	#
36	4-Methyl-2-Pentanone	11.99	0.6 ug/kg	
37	Toluene-d8 (SURR)	12.71	39.4 ug/kg	
38	Toluene (CCC)	12.80	4.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.88	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.90	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.7 ug/kg	
51	m,p-Xylene	15.70	5.0 ug/kg	
52	o-Xylene	16.32	2.3 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.16	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.92	48.2 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	0.2 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82686.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:04 pm using AcqMethod 8260LLS
Sample Name: 82686 COMPOSITE OF 7
Misc Info : 82686 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.94	0.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.28	1.1 ug/kg	
66	tert-Butylbenzene	18.67	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.93	1.9 ug/kg	
68	sec-Butylbenzene	19.09	0.1 ug/kg	
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.16	0.1 ug/kg	#
71	p-Isopropyltoluene	19.39	0.2 ug/kg	
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

000879

Volatile Organics by EPA Method 8260

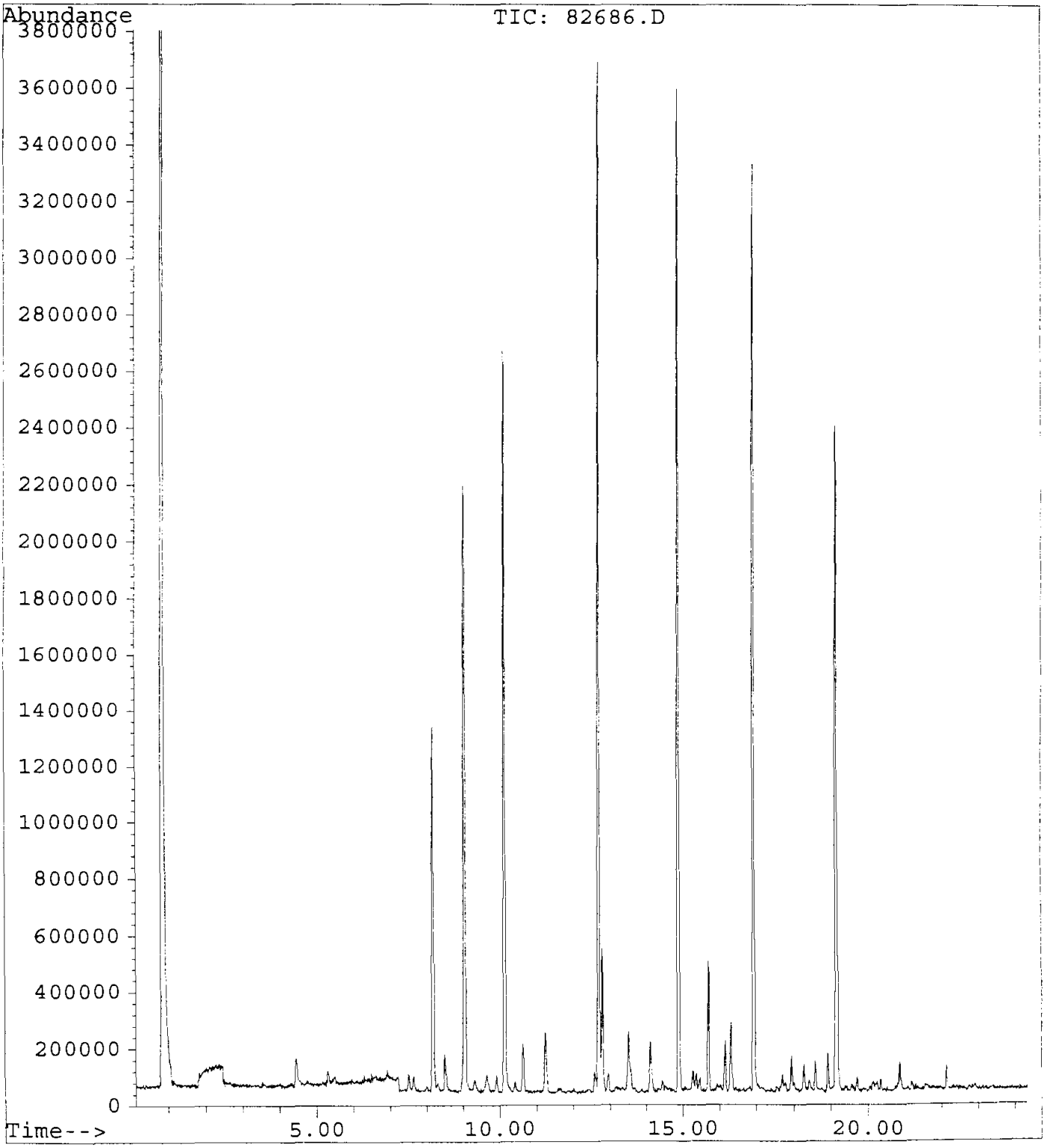
File Name	82686.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 15:04
Method	8260LLS
Misc Info	82686 COMPOSITE OF 7 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.048	168.00	Pentafluorobenzene	24627746	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.835	62.00	Vinyl Chloride (CCC)	26170	0.16	ug/kg	
5	2.436	94.00	Bromomethane	56340	0.77	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.961	101.00	Trichlorofluoromethane	93970	0.28	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.788	127.00	Iodomethane	35979	0.25	ug/kg	
12	4.453	43.00	Acetone	2622116	31.82	ug/kg	
13	5.312	49.00	Dichloromethane	553469	-9.88	ug/kg	
14	6.451	61.00	trans-1,2-Dichloroethylene	26072	0.09	ug/kg	
15	5.226	53.00	Acrylonitrile	47867	0.87	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.199	86.00	Vinyl Acetate	13981	2.03	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.631	72.00	Methyl Ethyl Ketone	71497	3.44	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.014	83.00	Chloroform (CCC)		194060	0.34	ug/kg	
23	8.978	97.00	1,1,1-Trichloroethane		712388	1.36	ug/kg	
24	8.177	113.00	Dibromofluoromethane (SURR)		11915314	41.00	ug/kg	
25	10.134	114.00	1,4-Difluorobenzene		30185901	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.586	78.00	Benzene		92381	0.10	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	10.385	63.00	1,2-Dichloropropane (CCC)		26798	0.08	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.660	83.00	Dichlorobromomethane		35947	0.07	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.387	75.00	trans-1,3-Dichloropropene		14605	0.05	ug/kg	
36	11.988	43.00	4-Methyl-2-Pentanone		287926	0.56	ug/kg	
37	12.705	98.00	Toluene-d8 (SURR)		35772410	39.40	ug/kg	
38	12.805	91.00	Toluene (CCC)		4937194	4.05	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.883	54.00	Chlorobenzene-d5		8105687	40.00	ug/kg	ISTD
43	13.866	166.00	Tetrachloroethylene		45153	0.09	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129,00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.899	112.00	Chlorobenzene (SPCC)		20225	0.03	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.361	91.00	Ethylbenzene (CCC)	801751	0.71	ug/kg	
51	15.704	106.00	m,p-Xylene	1876980	4.99	ug/kg	
52	16.315	91.00	o-Xylene	2290573	2.34	ug/kg	
53	0.000	104.00	Styrene	0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.164	152.00	1,4-Dichlorobenzene-d4	12715942	40.00	ug/kg	ISTD
56	16.955	105.00	Isopropylbenzene	241413	0.27	ug/kg	
57	16.925	95.00	4-Bromofluorobenzene (SURR)	14238480	48.19	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.691	91.00	n-Propylbenzene	394910	0.23	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.940	91.00	4-Chlorotoluene	151949	0.22	ug/kg	
65	18.277	105.00	1,3,5-Trimethylbenzene	786125	1.14	ug/kg	
66	18.668	119.00	tert-Butylbenzene	32361	0.06	ug/kg	
67	18.933	120.00	1,2,4-Trimethylbenzene	543093	1.94	ug/kg	
68	19.092	105.00	sec-Butylbenzene	74696	0.11	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene	0	0.00	ug/kg	
70	19.162	146.00	1,4-Dichlorobenzene	26781	0.06	ug/kg	
71	19.390	119.00	p-Isopropyltoluene	91520	0.16	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene	0	0.00	ug/kg	
73	20.231	91.00	n-Butylbenzene	102191	0.20	ug/kg	
74	20.592	157.00	1,2-Dibromo-3-Chloropropane	11088	0.12	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82686.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:04 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82686 COMPOSITE OF 7
Misc Info : 82686 COMPOSITE OF 7 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950719-FW-IW-SL0009(A-G)
Control No.: 82688
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 15:51
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	51	51
Acrolein	<	51	51
Acrylonitrile	<	51	51
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	51	51
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	51	51
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	51	51

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		7	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	92.1 %	80 - 120
Toluene-d8	95.2 %	81 - 117
4-Bromofluorobenzene	95.1 %	74 - 121

Percent Solids	99.0 %

Approved by: Jerry Hancastle

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82688.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:51 pm using AcqMethod 8260LLS
Sample Name: 82688 COMPOSITE OF 7
Misc Info : 82688 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.64	0.0 ug/kg	#
5	Bromomethane	2.46	0.4 ug/kg	#
6	Chloroethane	2.99	450.4 ug/kg	#
7	Trichlorofluoromethane	4.00	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.19	0.5 ug/kg	#
11	Iodomethane	4.80	0.2 ug/kg	#
12	Acetone	***** NOT FOUND *****		
13	Dichloromethane	5.33	-11.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.90	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.69	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.00	0.3 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.18	36.9 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.17	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82688.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:51 pm using AcqMethod 8260LLS
Sample Name: 82688 COMPOSITE OF 7
Misc Info : 82688 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.58	0.0 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.45	0.1 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.41	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.71	38.1 ug/kg	
38	Toluene (CCC)	12.81	6.7 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.88	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.34	0.1 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.1 ug/kg	
51	m,p-Xylene	15.70	0.6 ug/kg	
52	o-Xylene	16.31	0.4 ug/kg	
53	Styrene	16.31	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.16	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.93	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	38.0 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82688.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:51 pm using AcqMethod 8260LLS
Sample Name: 82688 COMPOSITE OF 7
Misc Info : 82688 COMPOSITE OF 7 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.3 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	0.2 ug/kg	
66	tert-Butylbenzene	18.65	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.93	1.0 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.21	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.83	0.1 ug/kg	#
73	n-Butylbenzene	20.22	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

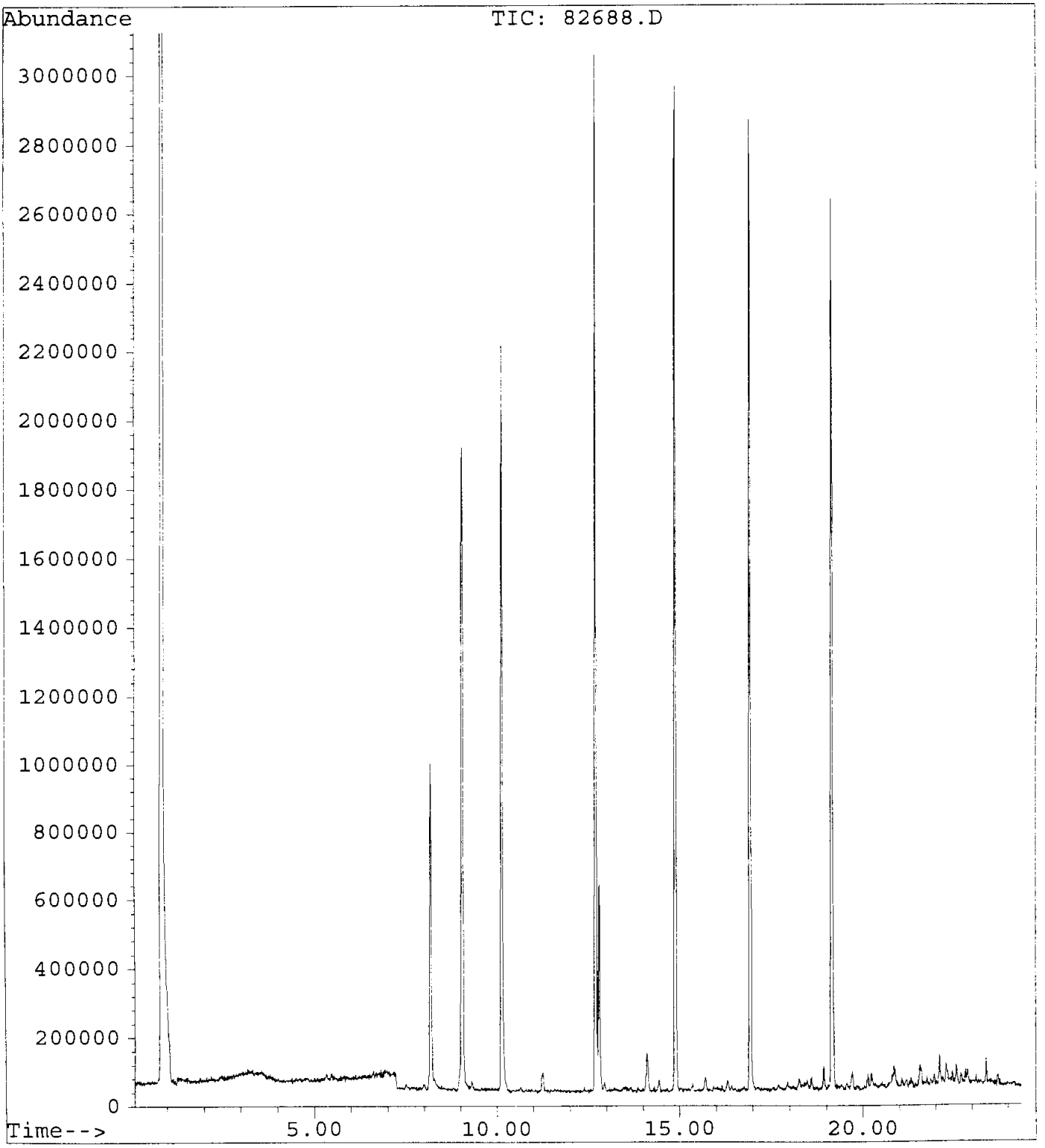
File Name	82688.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 15:51
Method	8260LLS
Misc Info	82688 COMPOSITE OF 7 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.052	168.00	Pentafluorobenzene	21853791	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.639	62.00	Vinyl Chloride (CCC)	6617	0.04	ug/kg	
5	2.464	94.00	Bromomethane	24142	0.37	ug/kg	
6	2.988	64.00	Chloroethane	-29565	450.43	ug/kg	
7	3.999	101.00	Trichlorofluoromethane	29680	0.10	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.187	78.00	Carbon Disulfide	22047	0.49	ug/kg	
11	4.804	127.00	Iodomethane	28267	0.22	ug/kg	
12	0.000	43.00	Acetone	0	0.00	ug/kg	
13	5.332	49.00	Dichloromethane	262359	-11.04	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.904	63.00	1,1-Dichloroethane (SPCC)	35709	0.11	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.691	61.00	cis-1,2-Dichloroethylene	25948	0.07	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	7.995	83.00	Chloroform (CCC)	170598	0.34	ug/kg	
23	8.985	97.00	1,1,1-Trichloroethane	652205	1.41	ug/kg	
24	8.183	113.00	Dibromofluoromethane (SURR)	9502949	36.85	ug/kg	
25	10.137	114.00	1,4-Difluorobenzene	25294538	40.00	ug/kg	ISTD
26	9.165	75.00	1,1-Dichloropropene	23902	0.08	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.581	78.00	Benzene	34820	0.04	ug/kg	
29	0.000	62.00	1,2-Dichloroethane	0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	10.448	174.00	Dibromomethane	29815	0.11	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	12.405	75.00	trans-1,3-Dichloropropene	26827	0.10	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone	0	0.00	ug/kg	
37	12.708	98.00	Toluene-d8 (SURR)	28985435	38.09	ug/kg	
38	12.808	91.00	Toluene (CCC)	6818662	6.71	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.884	54.00	Chlorobenzene-d5	6785184	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene	0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.341	43.00	2-Hexanone	22817	0.10	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)	0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.360	91.00	Ethylbenzene (CCC)		133377	0.14	ug/kg	
51	15.701	106.00	m,p-Xylene		181299	0.58	ug/kg	
52	16.312	91.00	o-Xylene		310171	0.38	ug/kg	
53	16.311	104.00	Styrene		25478	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.163	152.00	1,4-Dichlorobenzene-d4		14155844	40.00	ug/kg	ISTD
56	16.929	105.00	Isopropylbenzene		100391	0.10	ug/kg	
57	16.925	95.00	4-Bromofluorobenzene (SURR)		12513662	38.05	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.711	91.00	n-Propylbenzene		176410	0.09	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.710	91.00	4-Chlorotoluene		196025	0.26	ug/kg	
65	18.279	105.00	1,3,5-Trimethylbenzene		181993	0.24	ug/kg	
66	18.647	119.00	tert-Butylbenzene		33204	0.06	ug/kg	
67	18.930	120.00	1,2,4-Trimethylbenzene		300914	0.97	ug/kg	
68	19.097	105.00	sec-Butylbenzene		77769	0.10	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	19.211	146.00	1,4-Dichlorobenzene		43955	0.08	ug/kg	
71	19.553	119.00	p-Isopropyltoluene		71497	0.11	ug/kg	
72	19.826	146.00	1,2-Dichlorobenzene		43231	0.09	ug/kg	
73	20.223	91.00	n-Butylbenzene		138282	0.24	ug/kg	
74	20.587	157.00	1,2-Dibromo-3-Chloropropane		5935	0.06	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82688.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 3:51 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82688 COMPOSITE OF 7
Misc Info : 82688 COMPOSITE OF 7 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0008(A-C)
Control No.: 82782
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 16:38
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	62	62
Acrolein	<	62	62
Acrylonitrile	<	62	62
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	62	62
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	62	62
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	62	62

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	37	37
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	103.5 %	80 - 120
Toluene-d8	98.7 %	81 - 117
4-Bromofluorobenzene	100.0 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hamsath

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82782.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 4:38 pm using AcqMethod 8260LLS
Sample Name: 82782 COMPOSITE OF 3
Misc Info : 82782 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.43	0.4 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.46	1.1 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.4 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.79	0.7 ug/kg	#
12	Acetone	4.49	27.3 ug/kg	
13	Dichloromethane	5.32	-11.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.50	0.1 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.66	1.6 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.00	0.2 ug/kg	#
23	1,1,1-Trichloroethane	8.99	1.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	41.4 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82782.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 4:38 pm using AcqMethod 8260LLS
Sample Name: 82782 COMPOSITE OF 3
Misc Info : 82782 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.54	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	11.47	4.3 ug/kg	#
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.71	39.5 ug/kg	
38	Toluene (CCC)	12.80	1.5 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	12.45	0.1 ug/kg	#
42	Chlorobenzene-d5	14.88	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.34	0.1 ug/kg	#
51	m,p-Xylene	15.70	0.6 ug/kg	
52	o-Xylene	16.31	0.2 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	15.64	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.16	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.92	40.0 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82782.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 4:38 pm using AcqMethod 8260LLS
Sample Name: 82782 COMPOSITE OF 3
Misc Info : 82782 COMPOSITE OF 3 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	18.27	1.0 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.93	1.3 ug/kg	
68	sec-Butylbenzene	19.09	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.21	0.0 ug/kg	#
71	p-Isopropyltoluene	19.54	0.3 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.22	0.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.49	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

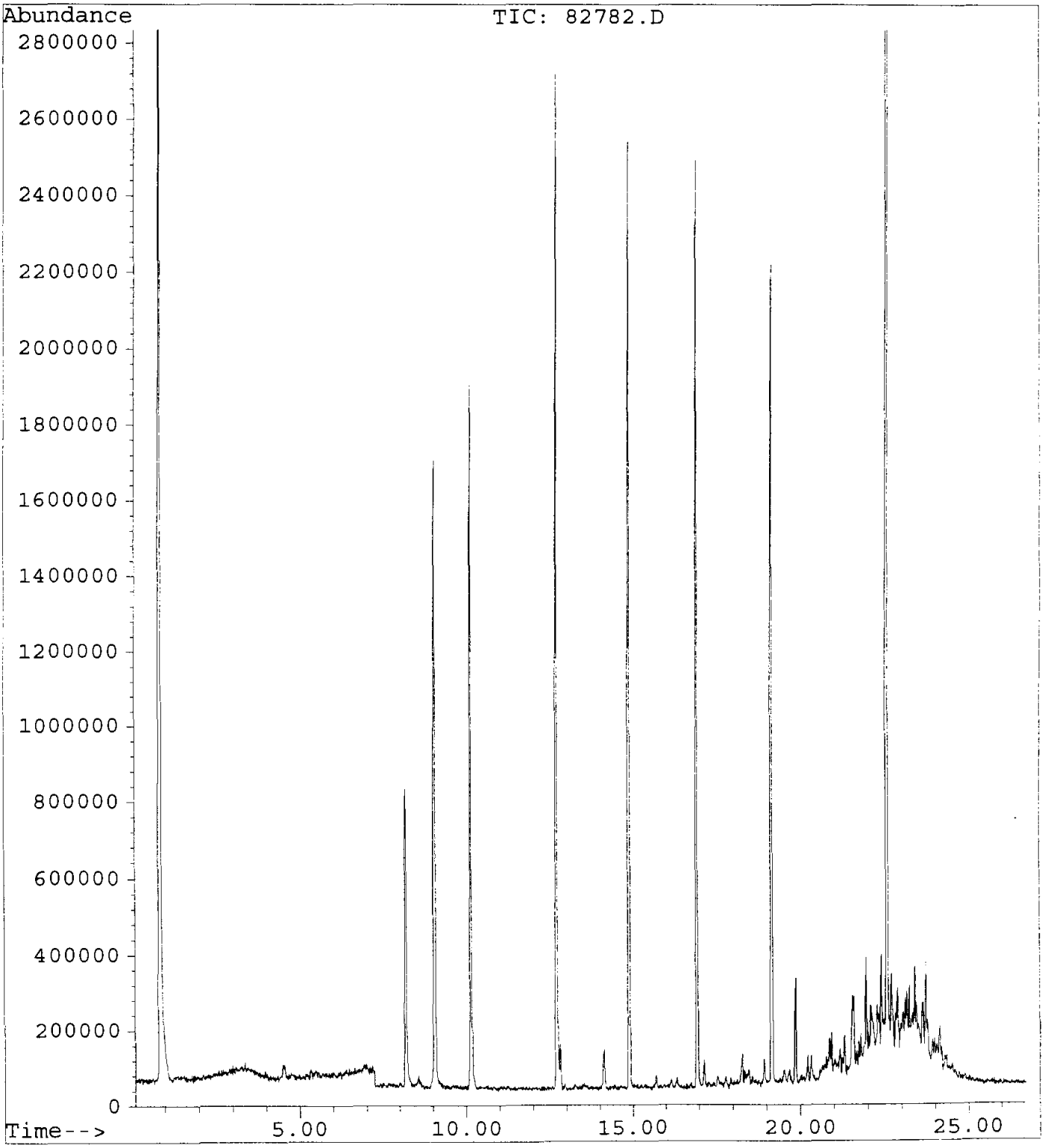
File Name	82782.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 16:38
Method	8260LLS
Misc Info	82782 COMPOSITE OF 3 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.051	168.00	Pentafluorobenzene	18815450	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.430	50.00	Chloromethane (SPCC)	69596	0.37	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.455	94.00	Bromomethane	63708	1.14	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.974	101.00	Trichlorofluoromethane	104050	0.40	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.789	127.00	Iodomethane	72917	0.65	ug/kg	
12	4.494	43.00	Acetone	1714138	27.26	ug/kg	
13	5.323	49.00	Dichloromethane	175704	-11.34	ug/kg	
14	6.497	61.00	trans-1,2-Dichloroethylene	23172	0.11	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.663	72.00	Methyl Ethyl Ketone	24710	1.56	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.002	83.00	Chloroform (CCC)		77898	0.18	ug/kg	
23	8.986	97.00	1,1,1-Trichloroethane		433533	1.09	ug/kg	
24	8.182	113.00	Dibromofluoromethane (SURR)		7659163	41.40	ug/kg	
25	10.137	114.00	1,4-Difluorobenzene		21522920	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.586	78.00	Benzene		46262	0.07	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.535	83.00	Dichlorobromomethane		14101	0.04	ug/kg	
34	11.472	63.00	2-Chloroethyl Vinyl Ether		15441	4.30	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone		0	0.00	ug/kg	
37	12.707	98.00	Toluene-d8 (SURR)		25568353	39.49	ug/kg	
38	12.804	91.00	Toluene (CCC)		1337934	1.53	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	12.451	97.00	1,1,2-Trichloroethane		27430	0.13	ug/kg	
42	14.882	54.00	Chlorobenzene-d5		6133971	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.344	91.00	Ethylbenzene (CCC)		59072	0.07	ug/kg	
51	15.699	106.00	m,p-Xylene		165035	0.58	ug/kg	
52	16.312	91.00	o-Xylene		171315	0.23	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	15.639	173.00	Bromoform (SPCC)		31400	0.11	ug/kg	
55	19.161	152.00	1,4-Dichlorobenzene-d4		11344868	40.00	ug/kg	ISTD
56	16.956	105.00	Isopropylbenzene		69206	0.09	ug/kg	
57	16.923	95.00	4-Bromofluorobenzene (SURR)		10540091	39.99	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	18.271	105.00	1,3,5-Trimethylbenzene		631678	1.03	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.934	120.00	1,2,4-Trimethylbenzene		321308	1.29	ug/kg	
68	19.091	105.00	sec-Butylbenzene		88727	0.14	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	19.211	146.00	1,4-Dichlorobenzene		6690	0.02	ug/kg	
71	19.538	119.00	p-Isopropyltoluene		130917	0.26	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.224	91.00	n-Butylbenzene		118867	0.26	ug/kg	
74	20.487	157.00	1,2-Dibromo-3-Chloropropane		4502	0.05	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82782.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 4:38 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82782 COMPOSITE OF 3
Misc Info : 82782 COMPOSITE OF 3 0801
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0013D(A-H)
Control No.: 82784
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 1-Aug-95 17:28
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	57	57
Acrolein	<	57	57
Acrylonitrile	<	57	57
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	57	57
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	23	23
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	57	57
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)		48	6
4-Methyl-2-pentanone (MIBK)	<	57	57

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	34	34
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	105.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	104.5 %	74 - 121

Percent Solids	87.0 %

Approved by: Jay Hornseth

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82784.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 5:28 pm using AcqMethod 8260LLS
Sample Name: 82784 COMPOSITE OF 8
Misc Info : 82784 COMPOSITE OF 8 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.26	0.2 ug/kg	#
3	Chloromethane (SPCC)	1.41	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.38	0.6 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.96	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.46	17.0 ug/kg	
13	Dichloromethane	5.32	-10.9 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.12	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	7.99	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.0 ug/kg	
24	Dibromofluoromethane (SURR)	8.17	42.1 ug/kg	
25	1,4-Difluorobenzene	10.13	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

000901

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82784.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 5:28 pm using AcqMethod 8260LLS
Sample Name: 82784 COMPOSITE OF 8
Misc Info : 82784 COMPOSITE OF 8 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.57	0.1 ug/kg	#
29	1,2-Dichloroethane	9.04	0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.74	0.0 ug/kg	#
37	Toluene-d8 (SURR)	12.70	42.1 ug/kg	
38	Toluene (CCC)	12.80	3.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.88	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.90	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.35	0.3 ug/kg	
51	m,p-Xylene	15.70	2.4 ug/kg	
52	o-Xylene	16.32	1.0 ug/kg	
53	Styrene	16.31	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.16	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.92	41.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.68	0.2 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0801\82784.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 5:28 pm using AcqMethod 8260LLS
Sample Name: 82784 COMPOSITE OF 8
Misc Info : 82784 COMPOSITE OF 8 0801
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.93	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	1.4 ug/kg	
66	tert-Butylbenzene	18.65	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.93	2.7 ug/kg	
68	sec-Butylbenzene	19.07	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.18	0.0 ug/kg	#
71	p-Isopropyltoluene	19.40	0.2 ug/kg	
72	1,2-Dichlorobenzene	19.84	0.0 ug/kg	#
73	n-Butylbenzene	20.22	0.3 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.61	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

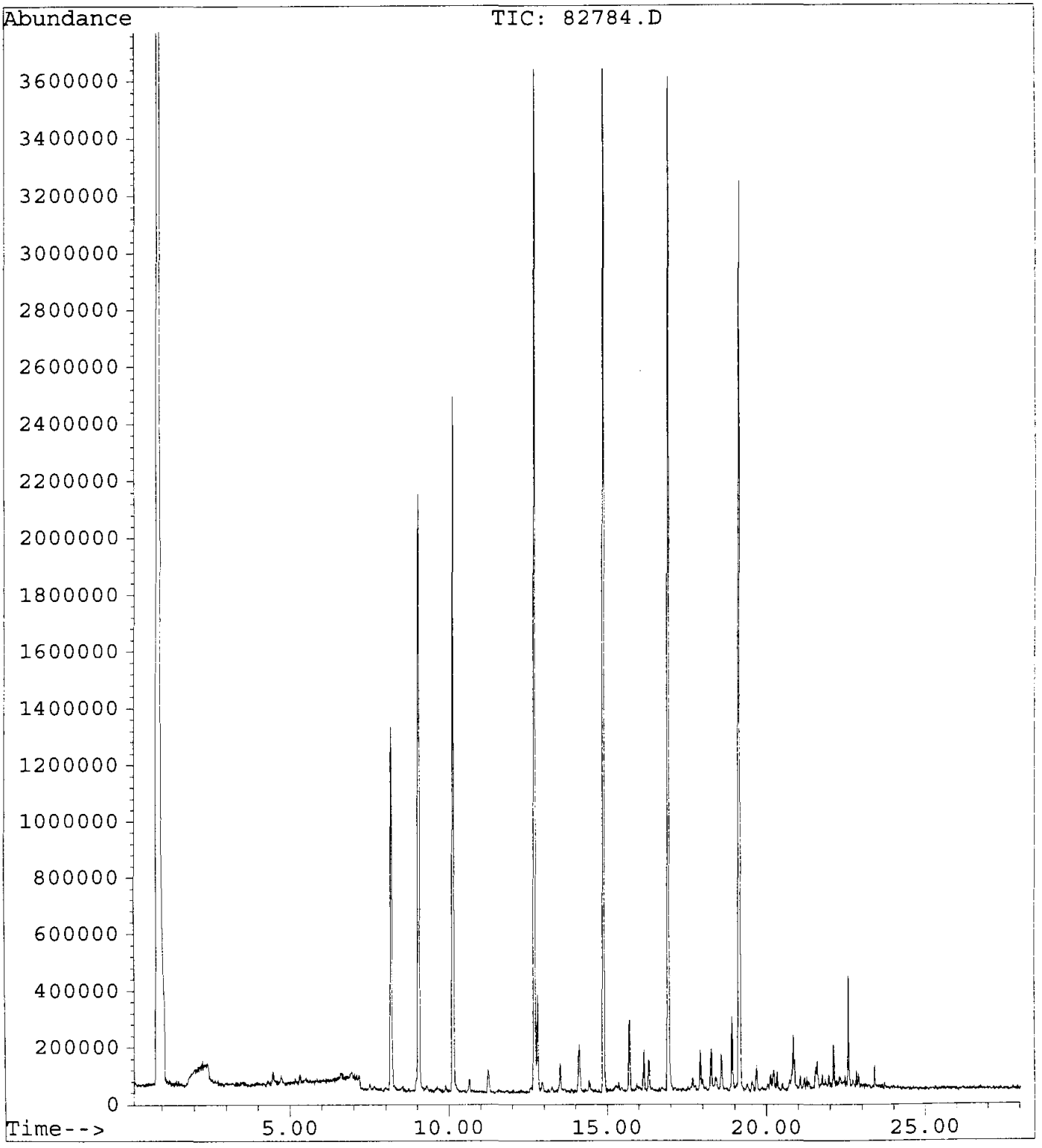
File Name	82784.D
Data Path	C:\HPCHEM\1\DATA\0801\
Operator	CHARLES M. JOHNSON
Date/Time	8/1/95 17:28
Method	8260LLS
Misc Info	82784 COMPOSITE OF 8 0801
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.047	168.00	Pentafluorobenzene	23764024	40.00	ug/kg	*ISTD
2	1.263	85.00	Dichlorodifluoromethane	18536	0.18	ug/kg	
3	1.413	50.00	Chloromethane (SPCC)	34742	0.15	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.378	94.00	Bromomethane	41076	0.58	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.963	101.00	Trichlorofluoromethane	47155	0.14	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.464	43.00	Acetone	1344356	16.98	ug/kg	
13	5.318	49.00	Dichloromethane	310384	-10.92	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.116	77.00	2,2-Dichloropropane	34786	0.11	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	7.992	83.00	Chloroform (CCC)	107496	0.19	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane	502612	1.00	ug/kg	
24	8.174	113.00	Dibromofluoromethane (SURR)	11813076	42.13	ug/kg	
25	10.132	114.00	1,4-Difluorobenzene	28000012	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene	0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.565	78.00	Benzene	118745	0.14	ug/kg	
29	9.044	62.00	1,2-Dichloroethane	7657	0.02	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	11.743	43.00	4-Methyl-2-Pentanone	19467	0.04	ug/kg	
37	12.704	98.00	Toluene-d8 (SURR)	35482075	42.13	ug/kg	
38	12.805	91.00	Toluene (CCC)	3612713	3.19	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.880	54.00	Chlorobenzene-d5	8884948	40.00	ug/kg	ISTD
43	13.868	166.00	Tetrachloroethylene	60768	0.11	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone	0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.898	112.00	Chlorobenzene (SPCC)	39709	0.05	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.354	91.00	Ethylbenzene (CCC)		410605	0.33	ug/kg	
51	15.703	106.00	m,p-Xylene		979452	2.38	ug/kg	
52	16.316	91.00	o-Xylene		1092226	1.02	ug/kg	
53	16.306	104.00	Styrene		35619	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.160	152.00	1,4-Dichlorobenzene-d4		16971989	40.00	ug/kg	ISTD
56	16.940	105.00	Isopropylbenzene		181392	0.15	ug/kg	
57	16.923	95.00	4-Bromofluorobenzene (SURR)		16475259	41.78	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.685	91.00	n-Propylbenzene		403922	0.17	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.933	91.00	4-Chlorotoluene		193784	0.21	ug/kg	
65	18.279	105.00	1,3,5-Trimethylbenzene		1260579	1.37	ug/kg	
66	18.653	119.00	tert-Butylbenzene		22753	0.03	ug/kg	
67	18.928	120.00	1,2,4-Trimethylbenzene		1010930	2.71	ug/kg	
68	19.070	105.00	sec-Butylbenzene		112357	0.12	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	19.180	146.00	1,4-Dichlorobenzene		6821	0.01	ug/kg	
71	19.399	119.00	p-Isopropyltoluene		154712	0.21	ug/kg	
72	19.842	146.00	1,2-Dichlorobenzene		25924	0.05	ug/kg	
73	20.223	91.00	n-Butylbenzene		225251	0.32	ug/kg	
74	20.606	157.00	1,2-Dibromo-3-Chloropropane		6359	0.05	ug/kg	

File : C:\HPCHEM\1\DATA\0801\82784.D
Operator : CHARLES M. JOHNSON
Acquired : 1 Aug 95 5:28 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82784 COMPOSITE OF 8
Misc Info : 82784 COMPOSITE OF 8 0801
Vial Number: 1

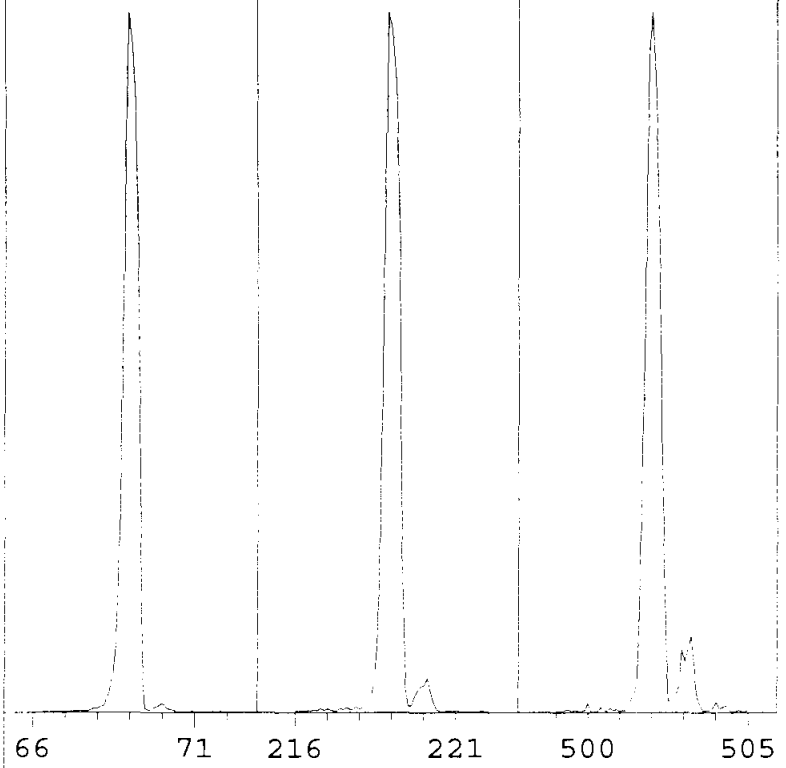


HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Wed Aug 02 09:06:29 1995 C:\HPCHEM\1\5970\ATUNE.U

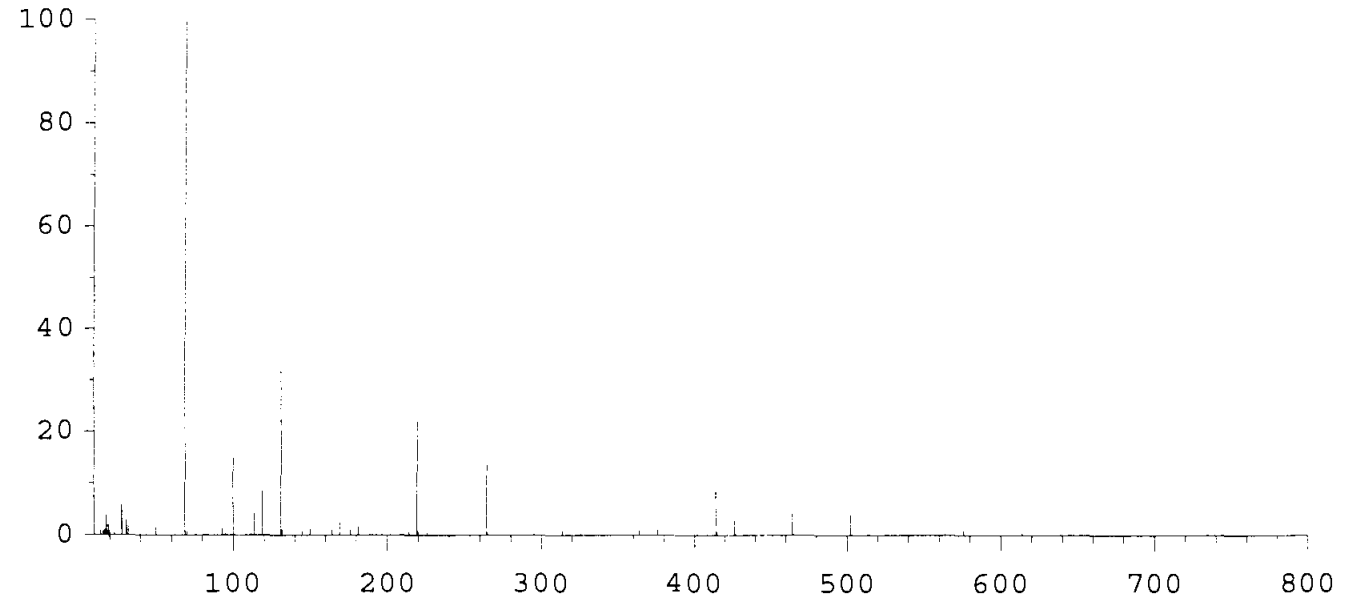
Mass	69.00	Mass	218.90	Mass	502.00
Ab	2792746	%	29.25	%	5.35
Pw50	0.52	Pw50	0.52	Pw50	0.50



EMVolts	2800	AmuGain	88
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	56
MassGain	-209		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

498 peaks Base: 69.05 Abundance: 1990656



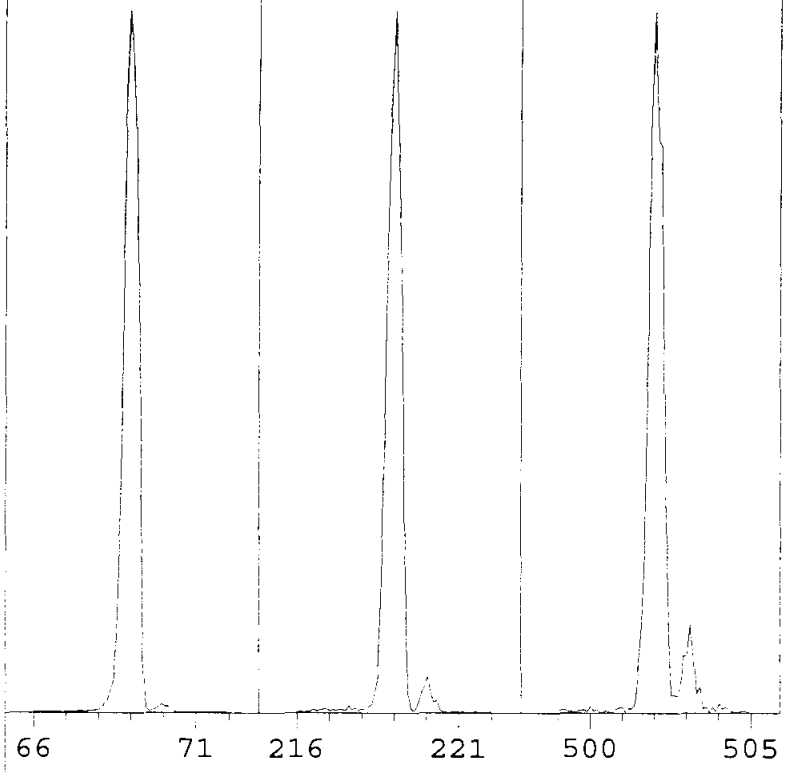
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	1990656	100.00	70.05	17184	0.86
218.95	458688	23.04	219.95	20144	4.39
502.05	90952	4.57	502.95	8908	9.79

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Wed Aug 02 09:08:53 1995 C:\HPCHEM\1\5970\ATUNE.U

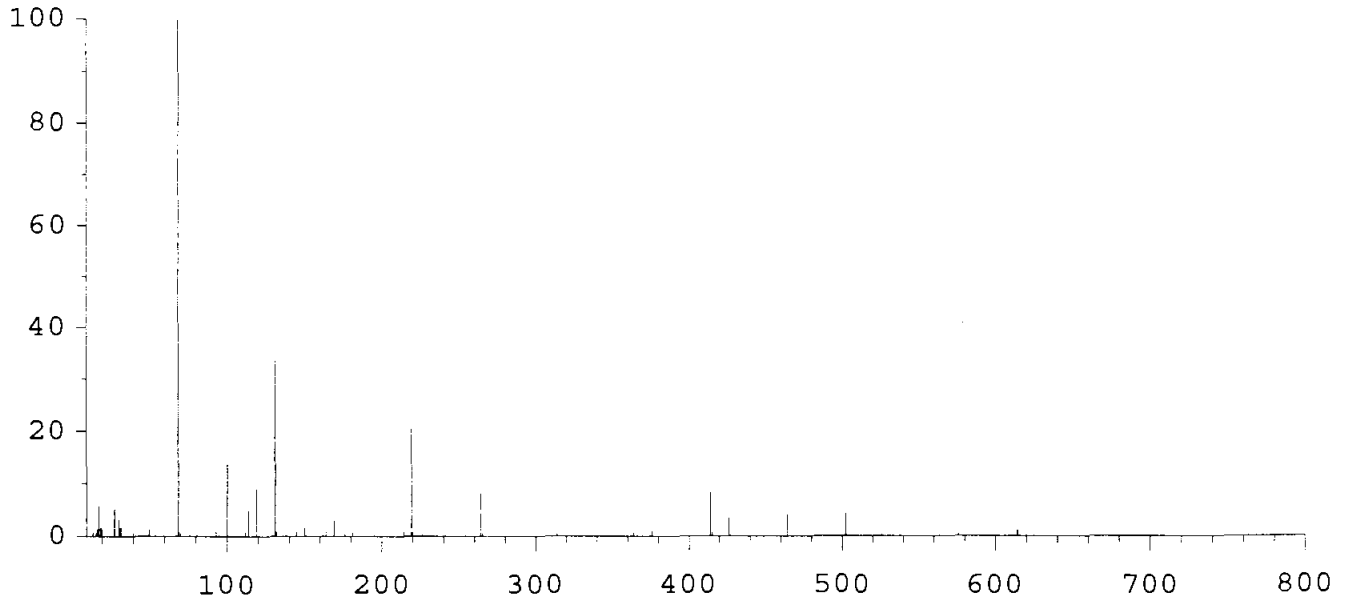
Mass	69.00	Mass	219.00	Mass	502.00
Ab	2674363	%	28.54	%	5.21
Pw50	0.53	Pw50	0.50	Pw50	0.48



EMVolts	2800	AmuGain	88
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	54
MassGain	-207		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

476 peaks Base: 69.05 Abundance: 2073088

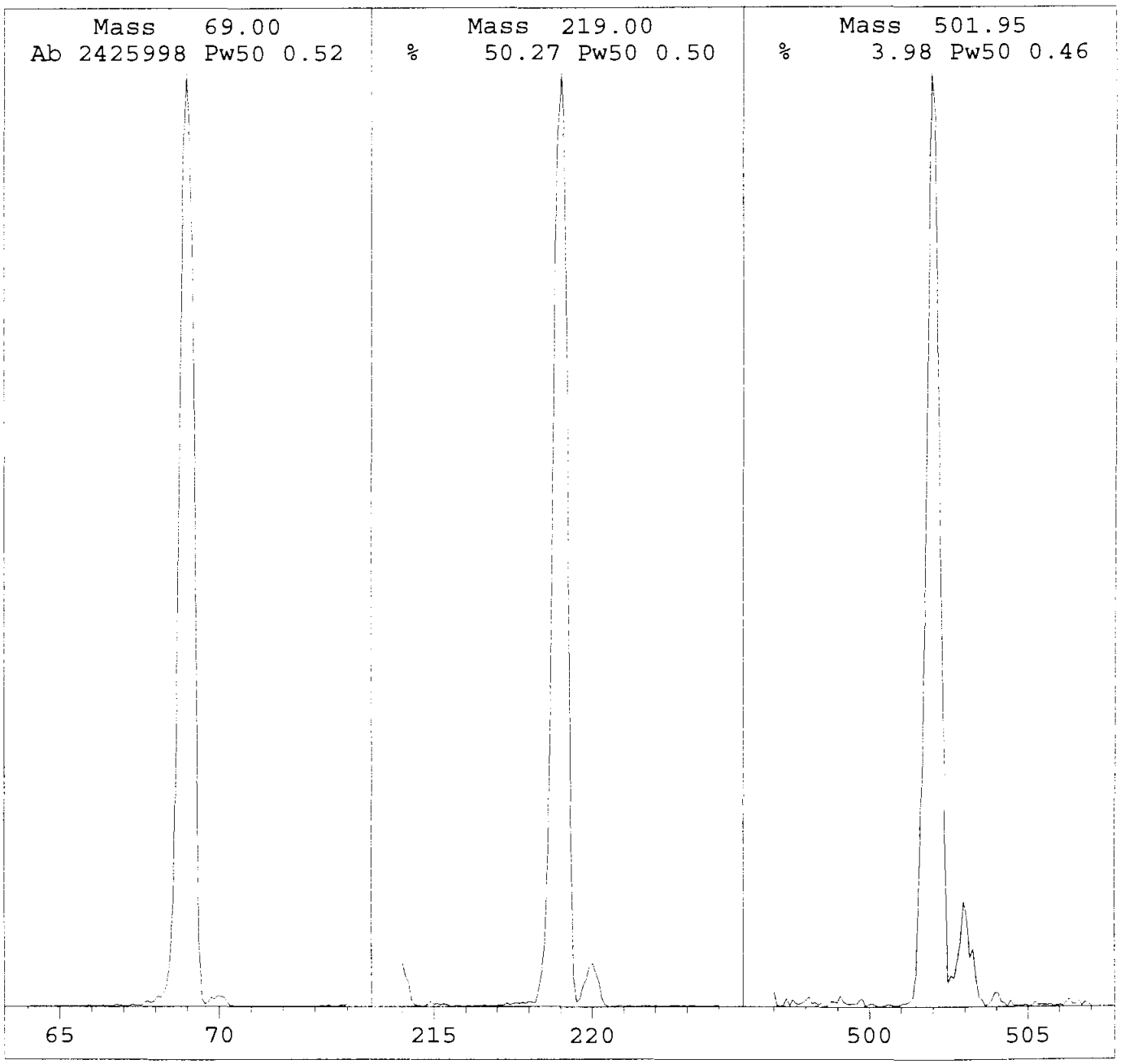


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2073088	100.00	69.95	22160	1.07
218.95	427520	20.62	219.95	19176	4.49
501.95	92192	4.45	502.95	8175	8.87

Instrument: 5970 - Instrument1
Wed Aug 02 09:19:10 1995

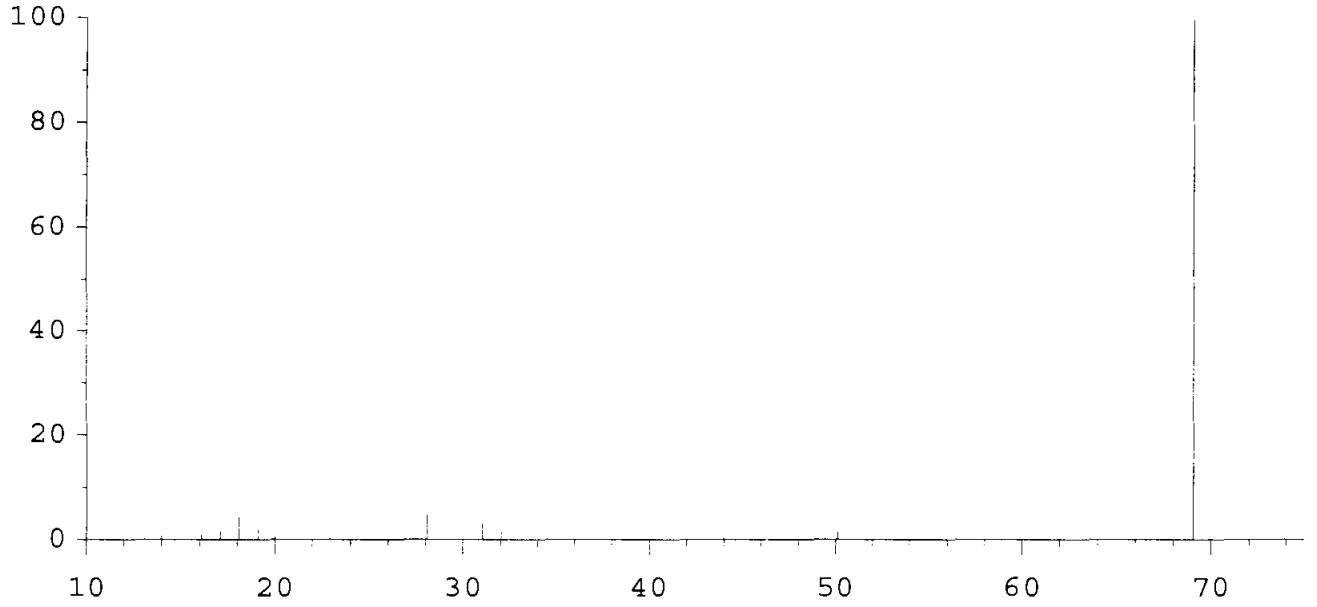
C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2600	AmuGain	88
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	77
MassGain	-207		
MassOffs	15		



HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Wed Aug 02 09:20:10 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
56 peaks Base: 69.05 Abundance: 2696192



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2696192	100.00	70.05	29592	1.10
18.10	135488	5.03	19.10	67288	49.66
28.05	131840	4.89	29.15	6156	4.67

HP 5970 Air and Water Check : Wed Aug 02 09:20:10 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 55.0
EMV = 2800
Relative abundances:
18/69 = 5.03 Water%
28/69 = 4.89 Nitrogen%
32/69 = 1.54 Oxygen%
44/69 = 0.32 Carbon Dioxide%
18/28 = 102.77 Water/Nitrogen%

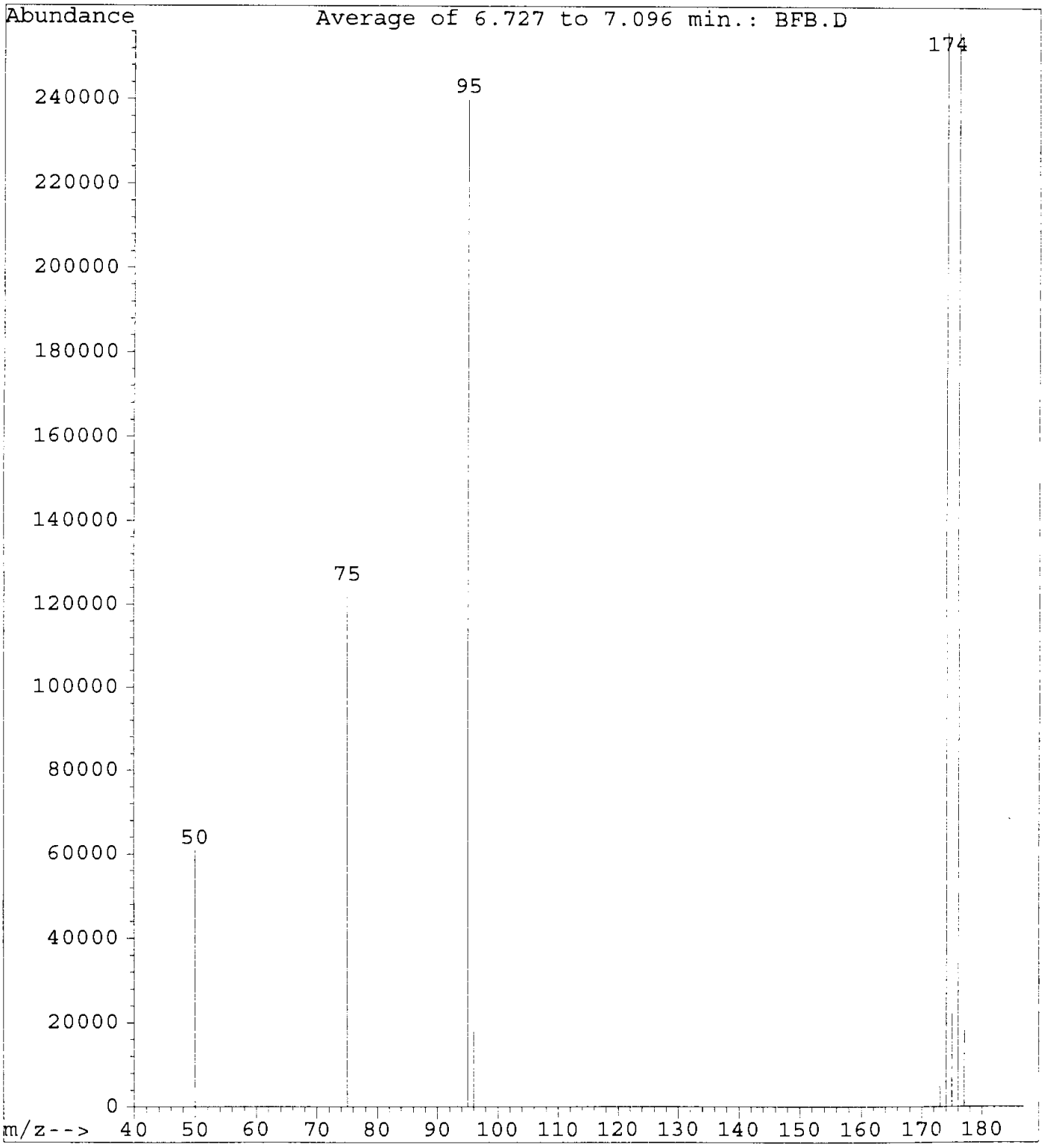
4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 9:24
Method	BFB
Misc Info	BFB CHECK 0802
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	5568802	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	1404296	25.22	%	
3	6.903	75.00	30% to 60% of 95	2875700	51.64	%	
4	6.903	96.00	5% to 9% of 95	407996	7.32	%	
5	6.903	174.00	> 50% of 95	5946974	106.79	%	
6	6.903	174.00		5946974	100.00	%	ISTD
7	6.903	173.00	< 2% of 174	113125	1.90	%	
8	6.903	175.00	5% to 9% of 174	512531	8.62	%	
9	6.920	176.00	>95% , <101% of 174	5937171	99.84	%	
10	6.920	176.00		5937171	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	415919	7.01	%	

000916

File : C:\HPCHEM\1\DATA\0802\BFB.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 9:24 am using AcqMethod BFB
Instrument : 5970 - In
Sample Name: BFB CHECK
Misc Info : BFB CHECK 0802
Vial Number: 1



Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/2/95

Compound	Conc.	Area	RF
Chloromethane	49.91	12227711	0.3480
1,1 Dichloroethane	53.03	22380155	0.5995
Chlorobenzene	50.68	52825951	1.1402
Bromoform	45.89	27957058	0.4903
1,1,2,2-Tetrachloroethane	48.34	26633241	0.8705

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	28160066	110.4432
1,4 Difluorobenzene	40	36565602	119.4272
Chlorobenzene - d5	40	12122246	121.7190
1,4-Dichlorobenzene-d4	40	25315809	123.7149

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/02/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	51.23	2.46
1,1-Dichloroethylene	52.32	4.64
Chloroform	53.19	6.38
1,2-Dichloropropane	46.40	7.2
Toluene	50.93	1.86
Ethyl Benzene	52.22	4.44

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:43 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50/500 PPB
Misc Info : LEVEL 4 STANDARD 50/500 PPB 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	65.4 ug/kg	
3	Chloromethane (SPCC)	1.43	49.9 ug/kg	
4	Vinyl Chloride (CCC)	1.77	51.2 ug/kg	
5	Bromomethane	2.48	53.1 ug/kg	
6	Chloroethane	2.88	42.1 ug/kg	
7	Trichlorofluoromethane	3.98	54.2 ug/kg	
8	Acrolein	4.18	445.7 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	52.3 ug/kg	
10	Carbon Disulfide	5.18	558.3 ug/kg	
11	Iodomethane	4.81	619.3 ug/kg	
12	Acetone	4.52	554.3 ug/kg	
13	Dichloromethane	5.34	59.6 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	50.6 ug/kg	
15	Acrylonitrile	5.34	510.8 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	53.0 ug/kg	
17	Vinyl Acetate	7.33	573.7 ug/kg	
18	2,2-Dichloropropane	8.05	58.6 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	52.3 ug/kg	
20	Methyl Ethyl Ketone	7.66	505.8 ug/kg	
21	Bromochloromethane	7.88	55.1 ug/kg	
22	Chloroform (CCC)	8.03	53.2 ug/kg	
23	1,1,1-Trichloroethane	9.00	53.9 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	43.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	49.6 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:43 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50/500 PPB
Misc Info : LEVEL 4 STANDARD 50/500 PPB 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	57.3 ug/kg	
28	Benzene	9.59	51.8 ug/kg	
29	1,2-Dichloroethane	8.91	54.8 ug/kg	
30	Trichloroethylene	10.58	46.0 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.50	46.4 ug/kg	
32	Dibromomethane	10.42	38.0 ug/kg	#
33	Dichlorobromomethane	10.65	48.8 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	391.2 ug/kg	
35	trans-1,3-Dichloropropene	12.41	53.2 ug/kg	
36	4-Methyl-2-Pentanone	12.01	465.9 ug/kg	
37	Toluene-d8 (SURR)	12.72	40.2 ug/kg	
38	Toluene (CCC)	12.82	50.9 ug/kg	
39	cis-1,3-Dichloropropene	11.70	51.4 ug/kg	
40	Ethyl Methacrylate	13.28	469.6 ug/kg	
41	1,1,2-Trichloroethane	12.56	49.6 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	41.6 ug/kg	
44	1,3-Dichloropropane	12.93	46.9 ug/kg	
45	2-Hexanone	13.37	500.2 ug/kg	
46	Dibromochloromethane	13.21	49.5 ug/kg	
47	1,2-Dibromoethane	13.55	50.7 ug/kg	
48	Chlorobenzene (SPCC)	14.95	50.7 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	48.6 ug/kg	
50	Ethylbenzene (CCC)	15.37	52.2 ug/kg	
51	m,p-Xylene	15.72	107.8 ug/kg	
52	o-Xylene	16.33	53.9 ug/kg	
53	Styrene	16.22	55.8 ug/kg	
54	Bromoform (SPCC)	15.66	45.9 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	52.9 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	40.5 ug/kg	
58	Bromobenzene	17.19	49.3 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	48.3 ug/kg	
60	1,2,3-Trichloropropane	16.54	46.6 ug/kg	
61	n-Propylbenzene	17.71	56.9 ug/kg	
62	2-Chlorotoluene	17.75	54.3 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	546.2 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:43 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50/500 PPB
Misc Info : LEVEL 4 STANDARD 50/500 PPB 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	55.7 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	60.1 ug/kg	
66	tert-Butylbenzene	18.68	58.6 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	58.4 ug/kg	
68	sec-Butylbenzene	19.10	61.8 ug/kg	
69	1,3-Dichlorobenzene	19.08	50.8 ug/kg	
70	1,4-Dichlorobenzene	19.23	50.9 ug/kg	
71	p-Isopropyltoluene	19.55	60.2 ug/kg	
72	1,2-Dichlorobenzene	19.85	50.4 ug/kg	
73	n-Butylbenzene	20.24	58.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	48.6 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

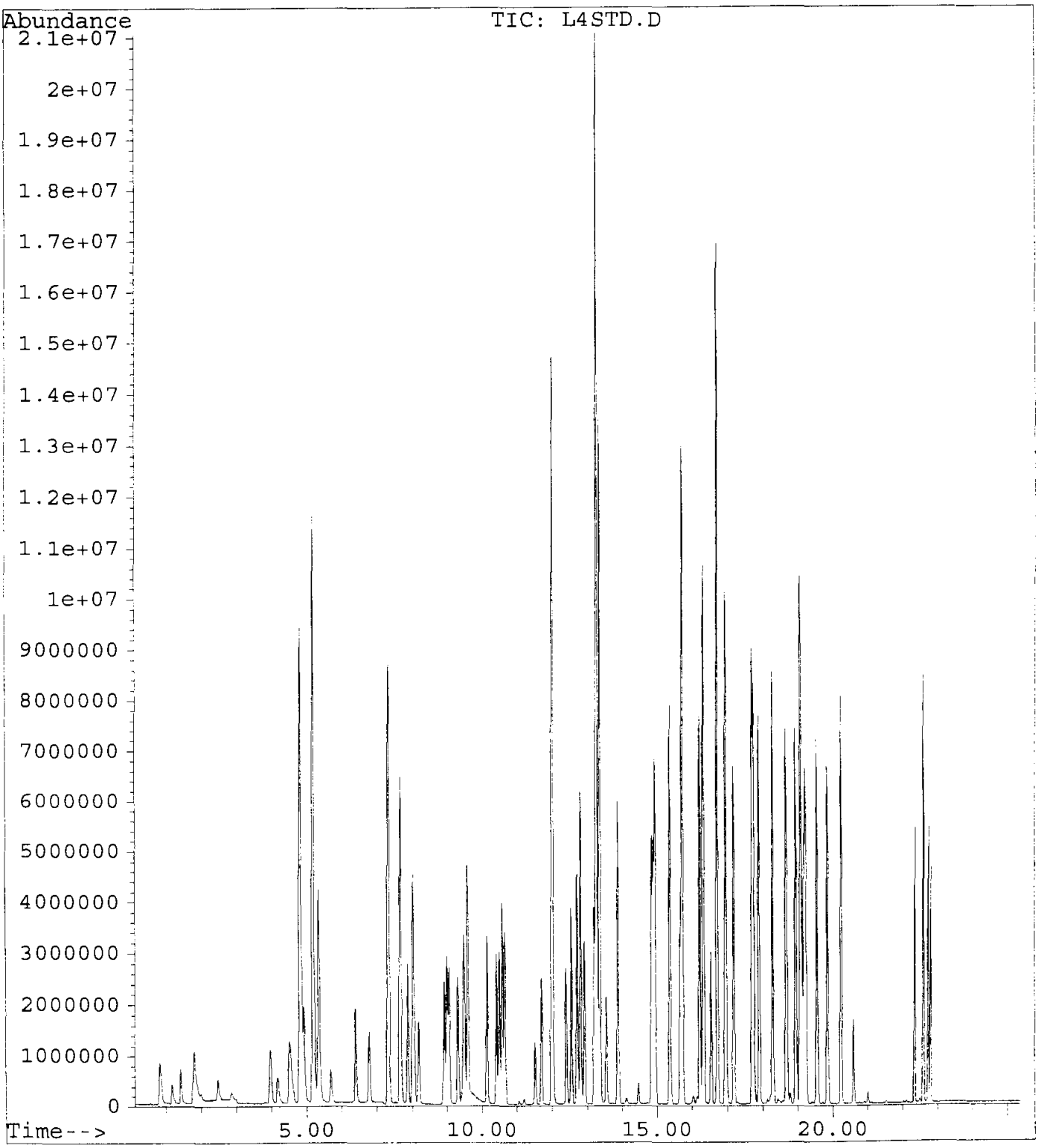
File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 10:43
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 50/500 PPB 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	28160066	40.00	ug/kg	*ISTD
2	1.181	85.00	Dichlorodifluoromethane	7465332	65.43	ug/kg	
3	1.426	50.00	Chloromethane (SPCC)	12227711	49.91	ug/kg	
4	1.774	62.00	Vinyl Chloride (CCC)	8832042	51.23	ug/kg	
5	2.485	94.00	Bromomethane	4463197	53.06	ug/kg	
6	2.879	64.00	Chloroethane	1657377	42.11	ug/kg	
7	3.978	101.00	Trichlorofluoromethane	20308228	54.23	ug/kg	
8	4.179	56.00	Acrolein	10884572	445.70	ug/kg	
9	4.922	61.00	1,1-Dichloroethylene (CCC)	20791910	52.32	ug/kg	
10	5.182	78.00	Carbon Disulfide	30568865	558.26	ug/kg	
11	4.814	127.00	Iodomethane	1.36E+08	619.30	ug/kg	
12	4.517	43.00	Acetone	59975601	554.27	ug/kg	
13	5.342	49.00	Dichloromethane	24262539	59.59	ug/kg	
14	6.394	61.00	trans-1,2-Dichloroethylene	17538375	50.60	ug/kg	
15	5.344	53.00	Acrylonitrile	37079201	510.84	ug/kg	
16	6.781	63.00	1,1-Dichloroethane (SPCC)	22380155	53.03	ug/kg	
17	7.332	86.00	Vinyl Acetate	7428084	573.74	ug/kg	
18	8.050	77.00	2,2-Dichloropropane	26345228	58.61	ug/kg	
19	7.681	61.00	cis-1,2-Dichloroethylene	25580106	52.32	ug/kg	
20	7.663	72.00	Methyl Ethyl Ketone	13315150	505.76	ug/kg	

21	7.881	130.00	Bromochloromethane	10395034	55.15	ug/kg	
22	8.026	83.00	Chloroform (CCC)	32340536	53.19	ug/kg	
23	9.000	97.00	1,1,1-Trichloroethane	32000243	53.93	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)	14497417	43.63	ug/kg	
25	10.149	114.00	1,4-Difluorobenzene	36565602	40.00	ug/kg	ISTD
26	9.319	75.00	1,1-Dichloropropene	23284815	49.59	ug/kg	
27	9.484	117.00	Carbon Tetrachloride	31669470	57.32	ug/kg	
28	9.595	78.00	Benzene	58291849	51.84	ug/kg	
29	8.915	62.00	1,2-Dichloroethane	32356621	54.82	ug/kg	
30	10.584	130.00	Trichloroethylene	17158868	45.98	ug/kg	
31	10.496	63.00	1,2-Dichloropropane (CCC)	17483514	46.40	ug/kg	
32	10.416	174.00	Dibromomethane	15217721	38.01	ug/kg	
33	10.655	83.00	Dichlorobromomethane	29545695	48.82	ug/kg	
34	11.521	63.00	2-Chloroethyl Vinyl Ether	7175400	391.22	ug/kg	
35	12.411	75.00	trans-1,3-Dichloropropene	26622537	53.20	ug/kg	
36	12.011	43.00	4-Methyl-2-Pentanone	2.3E+08	465.89	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)	44269224	40.25	ug/kg	
38	12.821	91.00	Toluene (CCC)	68389468	50.93	ug/kg	
39	11.701	75.00	cis-1,3-Dichloropropene	27810419	51.39	ug/kg	
40	13.281	99.00	Ethyl Methacrylate	46787337	469.58	ug/kg	
41	12.557	97.00	1,1,2-Trichloroethane	17389239	49.60	ug/kg	
42	14.900	54.00	Chlorobenzene-d5	12122246	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene	30619848	41.58	ug/kg	
44	12.929	76.00	1,3-Dichloropropane	25799954	46.93	ug/kg	
45	13.368	43.00	2-Hexanone	1.83E+08	500.16	ug/kg	
46	13.211	129.00	Dibromochloromethane	26451005	49.47	ug/kg	
47	13.551	107.00	1,2-Dibromoethane	19846052	50.66	ug/kg	
48	14.951	112.00	Chlorobenzene (SPCC)	52825951	50.68	ug/kg	

49	14.855	131.00	1,1,1,2-Tetrachloroethane	23839559	48.55	ug/kg	
50	15.371	91.00	Ethylbenzene (CCC)	91336489	52.22	ug/kg	
51	15.725	106.00	m,p-Xylene	60320411	107.76	ug/kg	
52	16.329	91.00	o-Xylene	78946754	53.90	ug/kg	
53	16.224	104.00	Styrene	52385756	55.76	ug/kg	
54	15.661	173.00	Bromoform (SPCC)	27957058	45.89	ug/kg	
55	19.183	152.00	1,4-Dichlorobenzene-d4	25315809	40.00	ug/kg	ISTD
56	16.968	105.00	Isopropylbenzene	83157988	52.90	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)	23846764	40.54	ug/kg	
58	17.187	158.00	Bromobenzene	29914934	49.29	ug/kg	
59	16.317	83.00	1,1,2,2-Tetrachloroethane (SPCC)	26633241	48.34	ug/kg	
60	16.539	75.00	1,2,3-Trichloropropane	22413715	46.63	ug/kg	
61	17.710	91.00	n-Propylbenzene	1.84E+08	56.89	ug/kg	
62	17.753	126.00	2-Chlorotoluene	22999234	54.25	ug/kg	
63	16.717	75.00	1,4-Dichloro-2-Butene	76089958	546.23	ug/kg	
64	17.903	91.00	4-Chlorotoluene	72918709	55.69	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene	80429626	60.12	ug/kg	
66	18.680	119.00	tert-Butylbenzene	64292739	58.55	ug/kg	
67	18.948	120.00	1,2,4-Trimethylbenzene	32712330	58.37	ug/kg	
68	19.105	105.00	sec-Butylbenzene	92512987	61.82	ug/kg	
69	19.079	146.00	1,3-Dichlorobenzene	45946550	50.84	ug/kg	
70	19.230	146.00	1,4-Dichlorobenzene	47339514	50.91	ug/kg	
71	19.552	119.00	p-Isopropyltoluene	74324210	60.16	ug/kg	
72	19.849	146.00	1,2-Dichlorobenzene	43451466	50.41	ug/kg	
73	20.239	91.00	n-Butylbenzene	71720626	58.37	ug/kg	
74	20.597	157.00	1,2-Dibromo-3-Chloropropane	7933754	48.56	ug/kg	

File : C:\HPCHEM\1\DATA\0802\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:43 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD 50/500 PPB
Misc Info : LEVEL 4 STANDARD 50/500 PPB 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 2-Aug-95 10:03
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	97.5 %	80 - 120
Toluene-d8	107.5 %	81 - 117
4-Bromofluorobenzene	101.3 %	74 - 121

Approved by: Jung Hwang

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:03 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	0.2 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.93	0.1 ug/kg	#
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.84	0.5 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.07	0.2 ug/kg	#
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.48	2.6 ug/kg	
13	Dichloromethane	5.33	-7.6 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	0.0 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.63	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	#
23	1,1,1-Trichloroethane	9.04	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	39.0 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

000929

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:03 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.86	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	43.0 ug/kg	
38	Toluene (CCC)	12.81	0.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.89	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	
52	o-Xylene	16.32	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	40.5 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:03 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	18.29	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	19.07	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.22	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.72	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

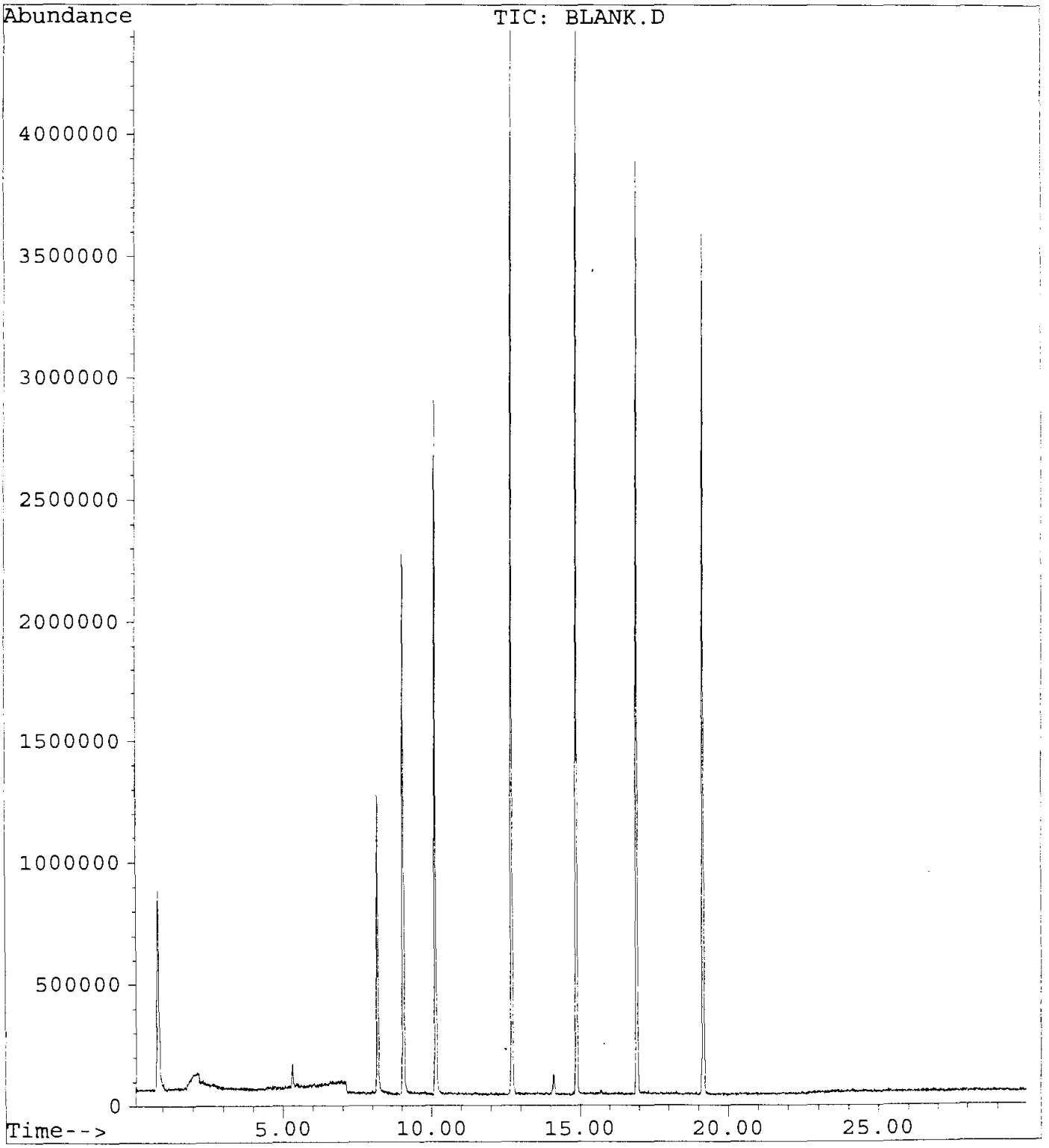
File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 10:03
Method	8260LLS
Misc Info	BLANK 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.059	168.00	Pentafluorobenzene	25163253	40.00	ug/kg	*ISTD
2	1.194	85.00	Dichlorodifluoromethane	26929	0.24	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.928	62.00	Vinyl Chloride (CCC)	8724	0.05	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.843	64.00	Chloroethane	17760	0.46	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.069	78.00	Carbon Disulfide	9753	0.19	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.485	43.00	Acetone	214754	2.57	ug/kg	
13	5.326	49.00	Dichloromethane	1102478	-7.56	ug/kg	
14	6.390	61.00	trans-1,2-Dichloroethylene	6398	0.02	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.634	61.00	cis-1,2-Dichloroethylene	46120	0.10	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.011	83.00	Chloroform (CCC)		90516	0.15	ug/kg	
23	9.036	97.00	1,1,1-Trichloroethane		44012	0.08	ug/kg	
24	8.187	113.00	Dibromofluoromethane (SURR)		11570558	38.97	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		33181935	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.857	43.00	4-Methyl-2-Pentanone		31582	0.06	ug/kg	
37	12.715	98.00	Toluene-d8 (SURR)		42946747	43.03	ug/kg	
38	12.814	91.00	Toluene (CCC)		126910	0.09	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.892	54.00	Chlorobenzene-d5		10824838	40.00	ug/kg	ISTD
43	13.871	166.00	Tetrachloroethylene		35800	0.05	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.892	112.00	Chlorobenzene (SPCC)		2214	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.375	91.00	Ethylbenzene (CCC)	40394	0.03	ug/kg	
51	15.722	106.00	m,p-Xylene	54939	0.11	ug/kg	
52	16.323	91.00	o-Xylene	38430	0.03	ug/kg	
53	0.000	104.00	Styrene	0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4	18680543	40.00	ug/kg	ISTD
56	16.950	105.00	Isopropylbenzene	110294	0.08	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)	17575410	40.49	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene	0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene	0	0.00	ug/kg	
65	18.294	105.00	1,3,5-Trimethylbenzene	27751	0.03	ug/kg	
66	0.000	119.00	tert-Butylbenzene	0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene	0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene	0	0.00	ug/kg	
69	19.073	146.00	1,3-Dichlorobenzene	6058	0.01	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene	0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene	0	0.00	ug/kg	
73	20.224	91.00	n-Butylbenzene	11661	0.02	ug/kg	
74	20.716	157.00	1,2-Dibromo-3-Chloropropane	17499	0.13	ug/kg	

File : C:\HPCHEM\1\DATA\0802\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 10:03 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0001D(A-B)
Control No.: 82786
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 2-Aug-95 12:12
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		134	65
Acrolein	<	65	65
Acrylonitrile	<	65	65
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	65	65
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	26	26
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	65	65
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	65	65

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	39	39
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	102.3 %	80 - 120
Toluene-d8	105.0 %	81 - 117
4-Bromofluorobenzene	93.3 %	74 - 121

Percent Solids 77.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82786.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 12:12 pm using AcqMethod 8260LLS
Sample Name: 82786 COMPOSITE OF 2
Misc Info : 82786 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.69	0.2 ug/kg	#
5	Bromomethane	2.54	1.0 ug/kg	
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.96	0.2 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.97	0.2 ug/kg	#
10	Carbon Disulfide	5.19	1.6 ug/kg	#
11	Iodomethane	4.83	0.6 ug/kg	#
12	Acetone	4.49	103.4 ug/kg	
13	Dichloromethane	5.35	-6.2 ug/kg	
14	trans-1,2-Dichloroethylene	6.47	0.2 ug/kg	#
15	Acrylonitrile	5.22	0.2 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.72	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.09	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.69	4.9 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	0.3 ug/kg	#
24	Dibromofluoromethane (SURR)	8.20	40.9 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82786.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 12:12 pm using AcqMethod 8260LLS
Sample Name: 82786 COMPOSITE OF 2
Misc Info : 82786 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.51	0.1 ug/kg	#
28	Benzene	9.61	0.1 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	10.70	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.62	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	11.60	5.9 ug/kg	#
35	trans-1,3-Dichloropropene	12.28	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	12.04	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.73	42.0 ug/kg	
38	Toluene (CCC)	12.83	0.5 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.28	0.2 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.39	0.8 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	14.85	0.1 ug/kg	#
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	
52	o-Xylene	16.35	0.1 ug/kg	#
53	Styrene	16.25	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	37.3 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.0 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82786.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 12:12 pm using AcqMethod 8260LLS
Sample Name: 82786 COMPOSITE OF 2
Misc Info : 82786 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	0.0 ug/kg	#
66	tert-Butylbenzene	18.71	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.93	0.1 ug/kg	#
68	sec-Butylbenzene	19.09	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.10	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.23	0.2 ug/kg	#
71	p-Isopropyltoluene	19.56	0.1 ug/kg	
72	1,2-Dichlorobenzene	19.85	0.1 ug/kg	#
73	n-Butylbenzene	20.26	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.57	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

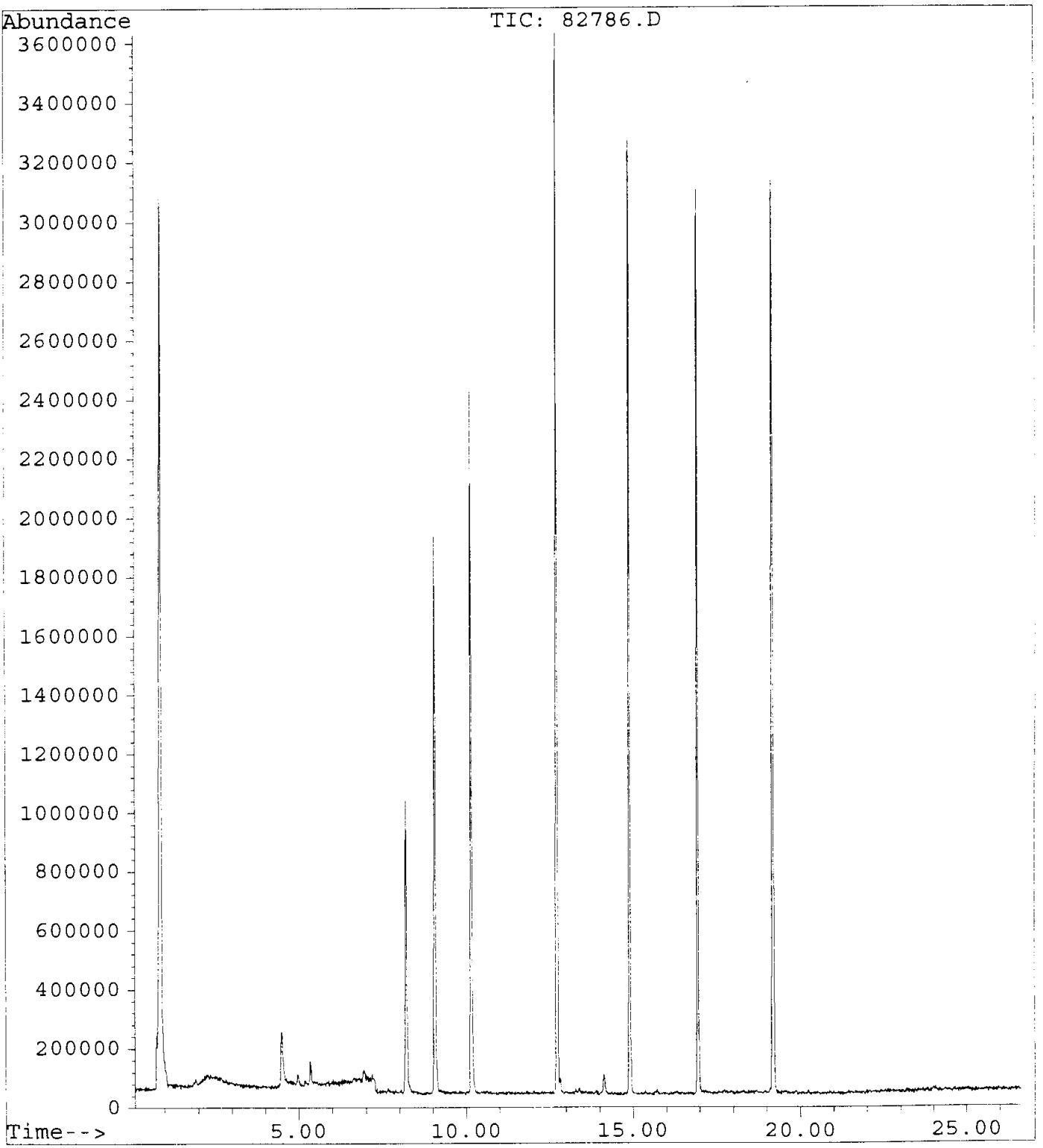
File Name	82786.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 12:12
Method	8260LLS
Misc Info	82786 COMPOSITE OF 2 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.071	168.00	Pentafluorobenzene	20457283	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.687	62.00	Vinyl Chloride (CCC)	25939	0.19	ug/kg	
5	2.540	94.00	Bromomethane	60722	1.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.962	101.00	Trichlorofluoromethane	45928	0.16	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.973	61.00	1,1-Dichloroethylene (CCC)	54547	0.19	ug/kg	
10	5.195	78.00	Carbon Disulfide	66707	1.57	ug/kg	
11	4.833	127.00	Iodomethane	68258	0.56	ug/kg	
12	4.487	43.00	Acetone	7221558	103.39	ug/kg	
13	5.347	49.00	Dichloromethane	1148979	-6.23	ug/kg	
14	6.471	61.00	trans-1,2-Dichloroethylene	41994	0.18	ug/kg	
15	5.216	53.00	Acrylonitrile	9261	0.20	ug/kg	
16	6.722	63.00	1,1-Dichloroethane (SPCC)	21841	0.07	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.085	77.00	2,2-Dichloropropane	29792	0.11	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.695	72.00	Methyl Ethyl Ketone	84314	4.88	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.022	83.00	Chloroform (CCC)	110841	0.23	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane	108878	0.25	ug/kg	
24	8.199	113.00	Dibromofluoromethane (SURR)	9878783	40.93	ug/kg	
25	10.155	114.00	1,4-Difluorobenzene	27255419	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene	0	0.00	ug/kg	
27	9.515	117.00	Carbon Tetrachloride	32124	0.09	ug/kg	
28	9.610	78.00	Benzene	53209	0.06	ug/kg	
29	0.000	62.00	1,2-Dichloroethane	0	0.00	ug/kg	
30	10.696	130.00	Trichloroethylene	15924	0.06	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	10.619	83.00	Dichlorobromomethane	34171	0.08	ug/kg	
34	11.604	63.00	2-Chloroethyl Vinyl Ether	26933	5.88	ug/kg	
35	12.282	75.00	trans-1,3-Dichloropropene	19775	0.07	ug/kg	
36	12.035	43.00	4-Methyl-2-Pentanone	55000	0.12	ug/kg	
37	12.726	98.00	Toluene-d8 (SURR)	34431561	42.00	ug/kg	
38	12.829	91.00	Toluene (CCC)	517097	0.47	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	13.283	99.00	Ethyl Methacrylate	20420	0.24	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.902	54.00	Chlorobenzene-d5	8090463	40.00	ug/kg	ISTD
43	13.882	166.00	Tetrachloroethylene	37847	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.392	43.00	2-Hexanone	203866	0.77	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)	0	0.00	ug/kg	

49	14.852	131.00	1,1,1,2-Tetrachloroethane	29114	0.09	ug/kg	
50	15.382	91.00	Ethylbenzene (CCC)	78649	0.07	ug/kg	
51	15.723	106.00	m,p-Xylene	52392	0.14	ug/kg	
52	16.346	91.00	o-Xylene	78485	0.08	ug/kg	
53	16.246	104.00	Styrene	30572	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.187	152.00	1,4-Dichlorobenzene-d4	16490357	40.00	ug/kg	ISTD
56	16.958	105.00	Isopropylbenzene	124315	0.11	ug/kg	
57	16.946	95.00	4-Bromofluorobenzene (SURR)	14284531	37.28	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.705	91.00	n-Propylbenzene	101893	0.05	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.706	91.00	4-Chlorotoluene	30283	0.03	ug/kg	
65	18.283	105.00	1,3,5-Trimethylbenzene	27036	0.03	ug/kg	
66	18.707	119.00	tert-Butylbenzene	80435	0.11	ug/kg	
67	18.926	120.00	1,2,4-Trimethylbenzene	43503	0.12	ug/kg	
68	19.093	105.00	sec-Butylbenzene	73669	0.08	ug/kg	
69	19.098	146.00	1,3-Dichlorobenzene	35445	0.06	ug/kg	
70	19.233	146.00	1,4-Dichlorobenzene	103296	0.17	ug/kg	
71	19.556	119.00	p-Isopropyltoluene	77122	0.11	ug/kg	
72	19.850	146.00	1,2-Dichlorobenzene	53889	0.10	ug/kg	
73	20.255	91.00	n-Butylbenzene	52366	0.08	ug/kg	
74	20.575	157.00	1,2-Dibromo-3-Chloropropane	20923	0.17	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82786.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 12:12 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82786 COMPOSITE OF 2
Misc Info : 82786 COMPOSITE OF 2 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0015(A-C)
Control No.: 82788
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 13:01
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	60	60
Acrolein	<	60	60
Acrylonitrile	<	60	60
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	60	60
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	30	30
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	60	60
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	60	60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	101.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	115.2 %	74 - 121

Percent Solids 84.0 %

Approved by: Jerry Hamilton

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82788.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82788 COMPOSITE OF 3
Misc Info : 82788 COMPOSITE OF 3 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	0.4 ug/kg	#
3	Chloromethane (SPCC)	1.43	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.02	1.1 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.16	0.9 ug/kg	#
11	Iodomethane	4.81	0.4 ug/kg	#
12	Acetone	4.46	22.8 ug/kg	
13	Dichloromethane	5.33	-5.4 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.82	0.1 ug/kg	#
17	Vinyl Acetate	7.24	3.0 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	#
23	1,1,1-Trichloroethane	8.99	0.6 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	40.5 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82788.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82788 COMPOSITE OF 3
Misc Info : 82788 COMPOSITE OF 3 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.3 ug/kg	#
29	1,2-Dichloroethane	9.03	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.88	0.4 ug/kg	#
37	Toluene-d8 (SURR)	12.72	42.1 ug/kg	
38	Toluene (CCC)	12.82	2.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.4 ug/kg	
51	m,p-Xylene	15.72	2.6 ug/kg	
52	o-Xylene	16.33	1.0 ug/kg	
53	Styrene	16.33	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	46.1 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.19	0.1 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	0.1 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82788.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:01 pm using AcqMethod 8260LLS
Sample Name: 82788 COMPOSITE OF 3
Misc Info : 82788 COMPOSITE OF 3 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.70	0.6 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	1.4 ug/kg	
66	tert-Butylbenzene	18.66	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	2.4 ug/kg	
68	sec-Butylbenzene	19.10	0.2 ug/kg	#
69	1,3-Dichlorobenzene	19.06	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.85	0.0 ug/kg	#
73	n-Butylbenzene	20.25	0.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

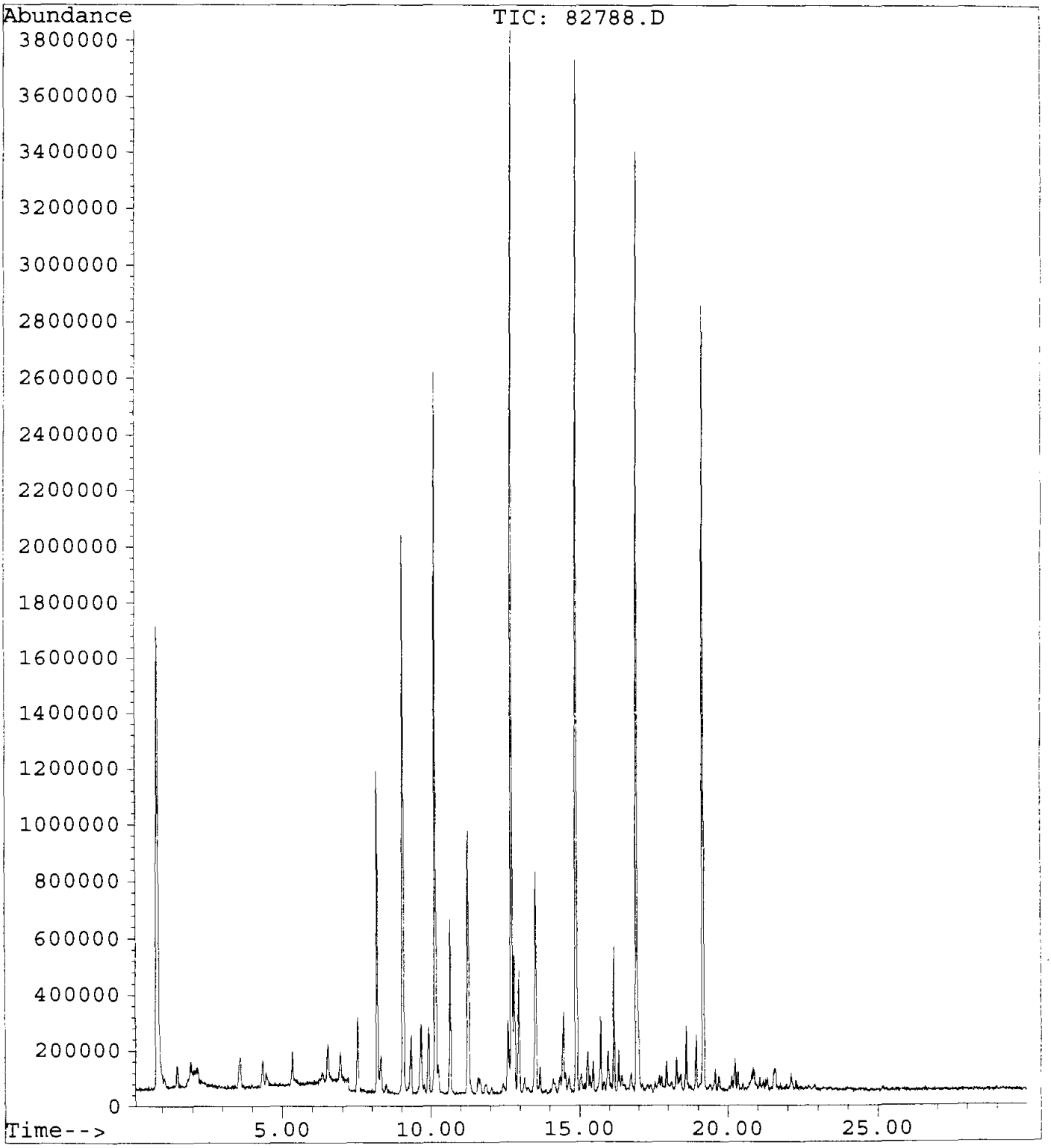
File Name	82788.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 13:01
Method	8260LLS
Misc Info	82788 COMPOSITE OF 3 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.065	168.00	Pentafluorobenzene	21520696	40.00	ug/kg	*ISTD
2	1.181	85.00	Dichlorodifluoromethane	36303	0.38	ug/kg	
3	1.432	50.00	Chloromethane (SPCC)	31997	0.15	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.017	56.00	Acrolein	19623	1.14	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.163	78.00	Carbon Disulfide	38916	0.87	ug/kg	
11	4.813	127.00	Iodomethane	54383	0.43	ug/kg	
12	4.463	43.00	Acetone	1638431	22.81	ug/kg	
13	5.332	49.00	Dichloromethane	1367867	-5.45	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.821	63.00	1,1-Dichloroethane (SPCC)	17605	0.06	ug/kg	
17	7.239	86.00	Vinyl Acetate	17987	2.99	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.015	83.00	Chloroform (CCC)		87402	0.17	ug/kg	
23	8.993	97.00	1,1,1-Trichloroethane		260548	0.57	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		10286775	40.51	ug/kg	
25	10.151	114.00	1,4-Difluorobenzene		29153155	40.00	ug/kg	ISTD
26	9.295	75.00	1,1-Dichloropropene		39405	0.11	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.595	78.00	Benzene		245806	0.27	ug/kg	
29	9.034	62.00	1,2-Dichloroethane		22588	0.05	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.883	43.00	4-Methyl-2-Pentanone		198231	0.40	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		36940032	42.12	ug/kg	
38	12.821	91.00	Toluene (CCC)		2647231	2.24	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.901	54.00	Chlorobenzene-d5		9168524	40.00	ug/kg	ISTD
43	13.887	166.00	Tetrachloroethylene		4964	0.01	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.952	112.00	Chlorobenzene (SPCC)		47991	0.06	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.365	91.00	Ethylbenzene (CCC)	457388	0.36	ug/kg	
51	15.719	106.00	m,p-Xylene	1088227	2.56	ug/kg	
52	16.331	91.00	o-Xylene	1161310	1.05	ug/kg	
53	16.334	104.00	Styrene	40979	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.184	152.00	1,4-Dichlorobenzene-d4	14914932	40.00	ug/kg	ISTD
56	16.952	105.00	Isopropylbenzene	241665	0.23	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)	15970378	46.09	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	16.188	83.00	1,1,2,2-Tetrachloroethane (SPCC)	38490	0.10	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.704	91.00	n-Propylbenzene	252350	0.12	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.705	91.00	4-Chlorotoluene	454119	0.56	ug/kg	
65	18.296	105.00	1,3,5-Trimethylbenzene	1122326	1.39	ug/kg	
66	18.663	119.00	tert-Butylbenzene	27601	0.04	ug/kg	
67	18.951	120.00	1,2,4-Trimethylbenzene	796939	2.43	ug/kg	
68	19.102	105.00	sec-Butylbenzene	157717	0.19	ug/kg	
69	19.063	146.00	1,3-Dichlorobenzene	10693	0.02	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	19.541	119.00	p-Isopropyltoluene	48782	0.07	ug/kg	
72	19.852	146.00	1,2-Dichlorobenzene	24574	0.05	ug/kg	
73	20.249	91.00	n-Butylbenzene	243390	0.40	ug/kg	
74	20.597	157.00	1,2-Dibromo-3-Chloropropane	11481	0.10	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82788.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:01 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82788 COMPOSITE OF 3
Misc Info : 82788 COMPOSITE OF 3 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0016
Control No.: 82789
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 13:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	96.0 %	80 - 120
Toluene-d8	104.5 %	81 - 117
4-Bromofluorobenzene	92.0 %	74 - 121

Percent Solids	80.0 %

Approved by: Jerry Hamsatti

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:46 pm using AcqMethod 8260LLS
Sample Name: 82789 COMPOSITE OF 1
Misc Info : 82789 COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.67	0.2 ug/kg	#
5	Bromomethane	2.48	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.94	0.0 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.84	0.2 ug/kg	#
12	Acetone	4.50	10.4 ug/kg	
13	Dichloromethane	5.34	-6.4 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.45	0.2 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	0.2 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	38.4 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:46 pm using AcqMethod 8260LLS
Sample Name: 82789 COMPOSITE OF 1
Misc Info : 82789 COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.67	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	41.8 ug/kg	
38	Toluene (CCC)	12.82	1.2 ug/kg	
39	cis-1,3-Dichloropropene	11.68	0.0 ug/kg	#
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	13.35	0.0 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.2 ug/kg	
51	m,p-Xylene	15.71	1.1 ug/kg	
52	o-Xylene	16.33	0.4 ug/kg	
53	Styrene	16.31	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	36.8 ug/kg	
58	Bromobenzene	17.12	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	0.1 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82789.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:46 pm using AcqMethod 8260LLS
Sample Name: 82789 COMPOSITE OF 1
Misc Info : 82789 COMPOSITE OF 1 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.70	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.4 ug/kg	
66	tert-Butylbenzene	18.66	-0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.94	0.9 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.19	0.0 ug/kg	#
71	p-Isopropyltoluene	19.55	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.1 ug/kg	#
73	n-Butylbenzene	20.24	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.50	0.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

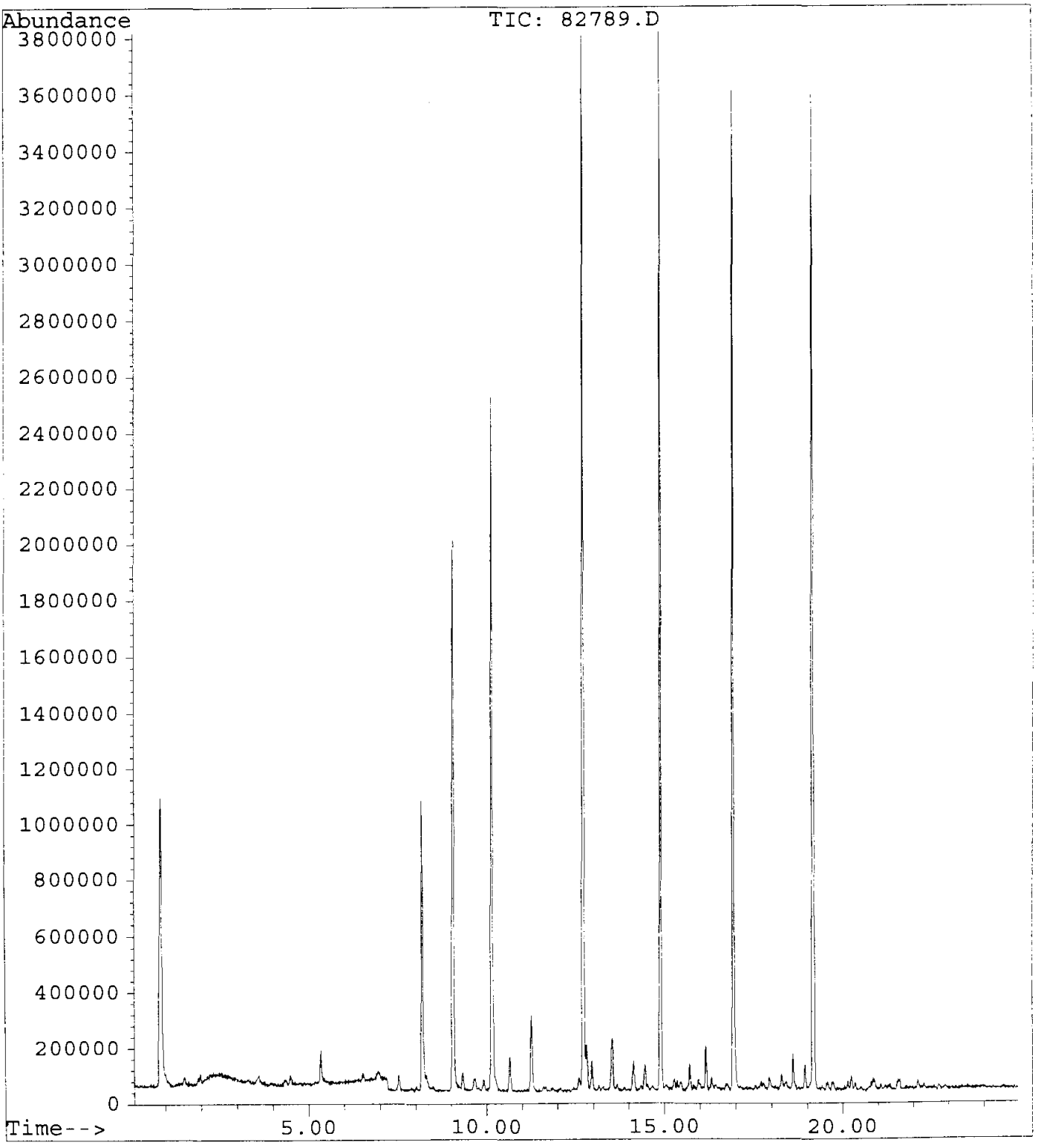
File Name	82789.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 13:46
Method	8260LLS
Misc Info	82789 COMPOSITE OF 1 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	21946663	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.668	62.00	Vinyl Chloride (CCC)	24006	0.16	ug/kg	
5	2.483	94.00	Bromomethane	32738	0.50	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.936	61.00	1,1-Dichloroethylene (CCC)	13834	0.04	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.840	127.00	Iodomethane	32176	0.25	ug/kg	
12	4.496	43.00	Acetone	758991	10.40	ug/kg	
13	5.335	49.00	Dichloromethane	1200678	-6.39	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.446	53.00	Acrylonitrile	8125	0.17	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.024	83.00	Chloroform (CCC)		125012	0.24	ug/kg	
23	8.987	97.00	1,1,1-Trichloroethane		89021	0.19	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		9951663	38.43	ug/kg	
25	10.148	114.00	1,4-Difluorobenzene		28855562	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.598	78.00	Benzene		58049	0.06	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.668	43.00	4-Methyl-2-Pentanone		60104	0.12	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		36323116	41.85	ug/kg	
38	12.817	91.00	Toluene (CCC)		1390449	1.19	ug/kg	
39	11.680	75.00	cis-1,3-Dichloropropene		9188	0.03	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		9017033	40.00	ug/kg	ISTD
43	13.891	166.00	Tetrachloroethylene		39495	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	13.351	129.00	Dibromochloromethane		9127	0.02	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.363	91.00	Ethylbenzene (CCC)		199112	0.16	ug/kg	
51	15.714	106.00	m,p-Xylene		441999	1.06	ug/kg	
52	16.326	91.00	o-Xylene		401536	0.37	ug/kg	
53	16.313	104.00	Styrene		46053	0.07	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.175	152.00	1,4-Dichlorobenzene-d4		18892482	40.00	ug/kg	ISTD
56	16.952	105.00	Isopropylbenzene		186811	0.14	ug/kg	
57	16.938	95.00	4-Bromofluorobenzene (SURR)		16158873	36.81	ug/kg	
58	17.119	158.00	Bromobenzene		34870	0.07	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.703	91.00	n-Propylbenzene		218312	0.08	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.703	91.00	4-Chlorotoluene		218260	0.21	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene		417504	0.41	ug/kg	
66	18.662	119.00	tert-Butylbenzene		-9088	-0.01	ug/kg	
67	18.942	120.00	1,2,4-Trimethylbenzene		376064	0.91	ug/kg	
68	19.095	105.00	sec-Butylbenzene		150766	0.14	ug/kg	
69	19.074	146.00	1,3-Dichlorobenzene		27513	0.04	ug/kg	
70	19.186	146.00	1,4-Dichlorobenzene		26232	0.04	ug/kg	
71	19.547	119.00	p-Isopropyltoluene		111922	0.13	ug/kg	
72	19.845	146.00	1,2-Dichlorobenzene		39367	0.06	ug/kg	
73	20.239	91.00	n-Butylbenzene		188119	0.24	ug/kg	
74	20.502	157.00	1,2-Dibromo-3-Chloropropane		6878	0.05	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82789.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 1:46 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82789 COMPOSITE OF 1
Misc Info : 82789 COMPOSITE OF 1 0802
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0012(A-B)
Control No.: 82791
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 2-Aug-95 16:28
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	51	51
Acrolein	<	51	51
Acrylonitrile	<	51	51
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	51	51
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	51	51
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)		6	5
4-Methyl-2-pentanone (MIBK)	<	51	51

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	31	31
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	98.4 %	80 - 120
Toluene-d8	88.3 %	81 - 117
4-Bromofluorobenzene	105.2 %	74 - 121

Percent Solids	98.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82791.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 4:28 pm using AcqMethod 8260LLS
Sample Name: 82791 COMPOSITE OF 2
Misc Info : 82791 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	0.4 ug/kg	#
3	Chloromethane (SPCC)	1.43	0.3 ug/kg	
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.56	0.4 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.99	0.2 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.80	0.3 ug/kg	#
12	Acetone	4.54	21.7 ug/kg	
13	Dichloromethane	5.33	6.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.33	0.1 ug/kg	#
15	Acrylonitrile	5.34	5.1 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.76	0.1 ug/kg	#
17	Vinyl Acetate	7.19	1.8 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.66	6.1 ug/kg	
21	Bromochloromethane	7.76	0.2 ug/kg	#
22	Chloroform (CCC)	8.02	0.4 ug/kg	
23	1,1,1-Trichloroethane	8.99	2.2 ug/kg	
24	Dibromofluoromethane (SURR)	8.18	39.4 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82791.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 4:28 pm using AcqMethod 8260LLS
Sample Name: 82791 COMPOSITE OF 2
Misc Info : 82791 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.58	0.1 ug/kg	#
29	1,2-Dichloroethane	9.04	0.1 ug/kg	#
30	Trichloroethylene	10.59	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	2.1 ug/kg	
37	Toluene-d8 (SURR)	12.71	35.3 ug/kg	
38	Toluene (CCC)	12.82	1.0 ug/kg	
39	cis-1,3-Dichloropropene	11.67	0.0 ug/kg	#
40	Ethyl Methacrylate	13.27	0.6 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.36	8.9 ug/kg	
46	Dibromochloromethane	13.19	0.1 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.1 ug/kg	#
51	m,p-Xylene	15.70	0.2 ug/kg	#
52	o-Xylene	16.32	0.1 ug/kg	
53	Styrene	16.21	0.0 ug/kg	#
54	Bromoform (SPCC)	15.65	0.2 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	42.1 ug/kg	
58	Bromobenzene	17.17	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	16.30	0.2 ug/kg	
60	1,2,3-Trichloropropane	16.53	0.3 ug/kg	#
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	17.75	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0802\82791.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 4:28 pm using AcqMethod 8260LLS
Sample Name: 82791 COMPOSITE OF 2
Misc Info : 82791 COMPOSITE OF 2 0802
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.89	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.26	0.1 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.94	0.2 ug/kg	
68	sec-Butylbenzene	19.09	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.2 ug/kg	#
70	1,4-Dichlorobenzene	19.21	0.3 ug/kg	#
71	p-Isopropyltoluene	19.53	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.2 ug/kg	
73	n-Butylbenzene	20.24	0.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.6 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

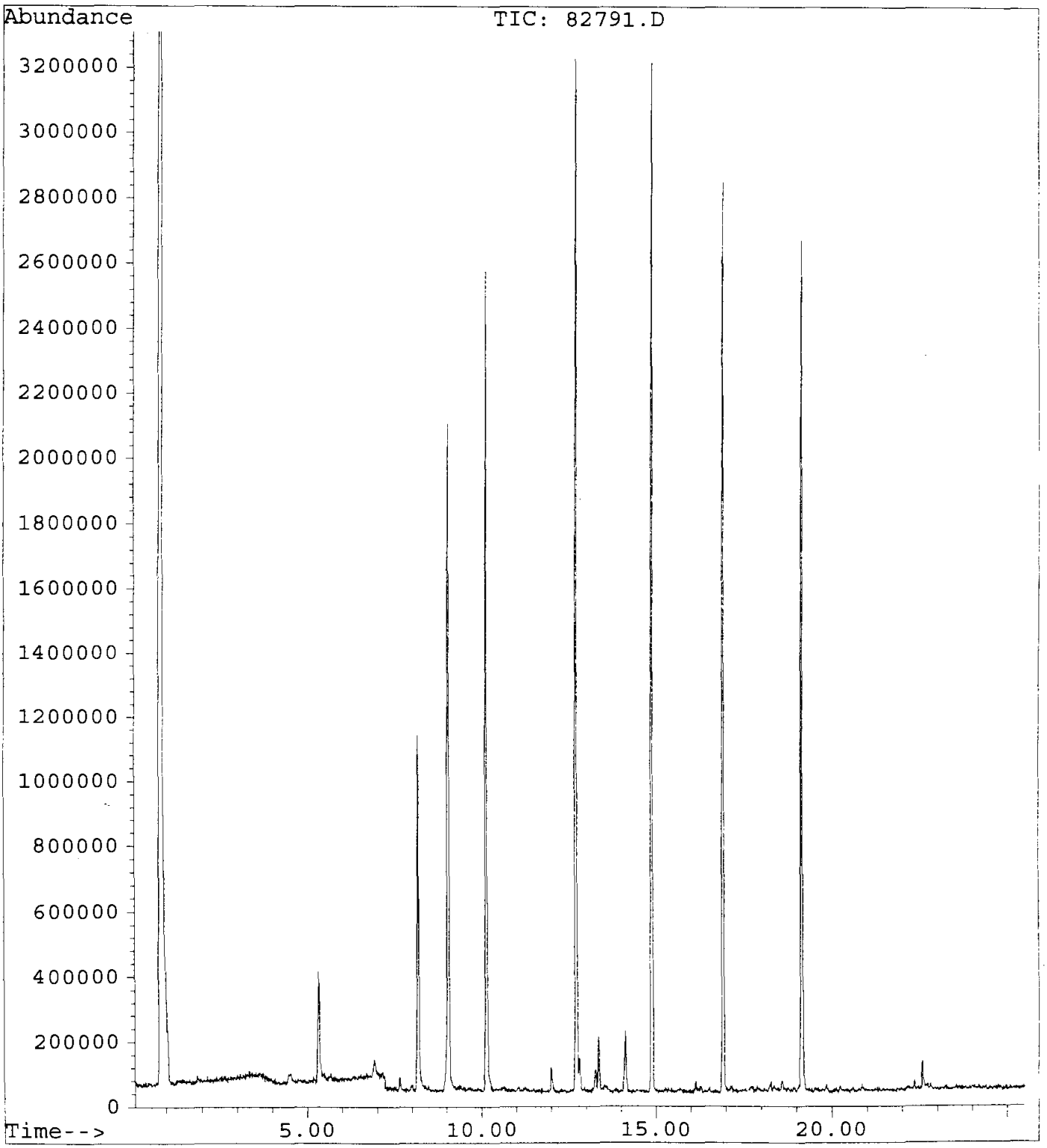
File Name	82791.D
Data Path	C:\HPCHEM\1\DATA\0802\
Operator	CHARLES M. JOHNSON
Date/Time	8/2/95 16:28
Method	8260LLS
Misc Info	82791 COMPOSITE OF 2 0802
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.057	168.00	Pentafluorobenzene	22356312	40.00	ug/kg	*ISTD
2	1.171	85.00	Dichlorodifluoromethane	37748	0.38	ug/kg	
3	1.426	50.00	Chloromethane (SPCC)	67306	0.30	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.558	94.00	Bromomethane	23974	0.36	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.995	101.00	Trichlorofluoromethane	54206	0.18	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.803	127.00	Iodomethane	34127	0.26	ug/kg	
12	4.537	43.00	Acetone	1616699	21.67	ug/kg	
13	5.332	49.00	Dichloromethane	3979372	6.05	ug/kg	
14	6.325	61.00	trans-1,2-Dichloroethylene	32183	0.12	ug/kg	
15	5.345	53.00	Acrylonitrile	254680	5.07	ug/kg	
16	6.760	63.00	1,1-Dichloroethane (SPCC)	30171	0.09	ug/kg	
17	7.189	86.00	Vinyl Acetate	11183	1.79	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.656	72.00	Methyl Ethyl Ketone	115685	6.12	ug/kg	

21	7.759	130.00	Bromochloromethane		27005	0.19	ug/kg	
22	8.015	83.00	Chloroform (CCC)		192692	0.37	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane		1062041	2.24	ug/kg	
24	8.185	113.00	Dibromofluoromethane (SURR)		10382664	39.36	ug/kg	
25	10.140	114.00	1,4-Difluorobenzene		29056037	40.00	ug/kg	ISTD
26	9.306	75.00	1,1-Dichloropropene		61166	0.17	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.576	78.00	Benzene		63889	0.07	ug/kg	
29	9.045	62.00	1,2-Dichloroethane		51726	0.12	ug/kg	
30	10.585	130.00	Trichloroethylene		15724	0.05	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.006	43.00	4-Methyl-2-Pentanone		1051886	2.13	ug/kg	
37	12.711	98.00	Toluene-d8 (SURR)		30865643	35.31	ug/kg	
38	12.818	91.00	Toluene (CCC)		1145694	0.97	ug/kg	
39	11.672	75.00	cis-1,3-Dichloropropene		4820	0.01	ug/kg	
40	13.272	99.00	Ethyl Methacrylate		53294	0.59	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.888	54.00	Chlorobenzene-d5		7809398	40.00	ug/kg	ISTD
43	13.880	166.00	Tetrachloroethylene		47657	0.10	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.358	43.00	2-Hexanone		2273134	8.92	ug/kg	
46	13.194	129.00	Dibromochloromethane		27090	0.08	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.936	112.00	Chlorobenzene (SPCC)		93530	0.14	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.363	91.00	Ethylbenzene (CCC)		92588	0.09	ug/kg	
51	15.704	106.00	m,p-Xylene		87750	0.24	ug/kg	
52	16.318	91.00	o-Xylene		108084	0.11	ug/kg	
53	16.210	104.00	Styrene		17866	0.03	ug/kg	
54	15.648	173.00	Bromoform (SPCC)		53008	0.15	ug/kg	
55	19.168	152.00	1,4-Dichlorobenzene-d4		13463307	40.00	ug/kg	ISTD
56	16.941	105.00	Isopropylbenzene		125689	0.13	ug/kg	
57	16.930	95.00	4-Bromofluorobenzene (SURR)		13156998	42.06	ug/kg	
58	17.167	158.00	Bromobenzene		34389	0.10	ug/kg	
59	16.299	83.00	1,1,2,2-Tetrachloroethane (SPCC)		58510	0.17	ug/kg	
60	16.532	75.00	1,2,3-Trichloropropane		93060	0.33	ug/kg	
61	17.706	91.00	n-Propylbenzene		118815	0.06	ug/kg	
62	17.748	126.00	2-Chlorotoluene		29847	0.12	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.893	91.00	4-Chlorotoluene		87370	0.12	ug/kg	
65	18.265	105.00	1,3,5-Trimethylbenzene		77391	0.11	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.939	120.00	1,2,4-Trimethylbenzene		61719	0.21	ug/kg	
68	19.087	105.00	sec-Butylbenzene		108360	0.15	ug/kg	
69	19.079	146.00	1,3-Dichlorobenzene		107662	0.22	ug/kg	
70	19.214	146.00	1,4-Dichlorobenzene		167416	0.34	ug/kg	
71	19.527	119.00	p-Isopropyltoluene		109064	0.18	ug/kg	
72	19.844	146.00	1,2-Dichlorobenzene		102876	0.23	ug/kg	
73	20.237	91.00	n-Butylbenzene		142774	0.26	ug/kg	
74	20.590	157.00	1,2-Dibromo-3-Chloropropane		62244	0.62	ug/kg	

File : C:\HPCHEM\1\DATA\0802\82791.D
Operator : CHARLES M. JOHNSON
Acquired : 2 Aug 95 4:28 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82791 COMPOSITE OF 2
Misc Info : 82791 COMPOSITE OF 2 0802
Vial Number: 1



Volatile Organics by EPA Method 8260

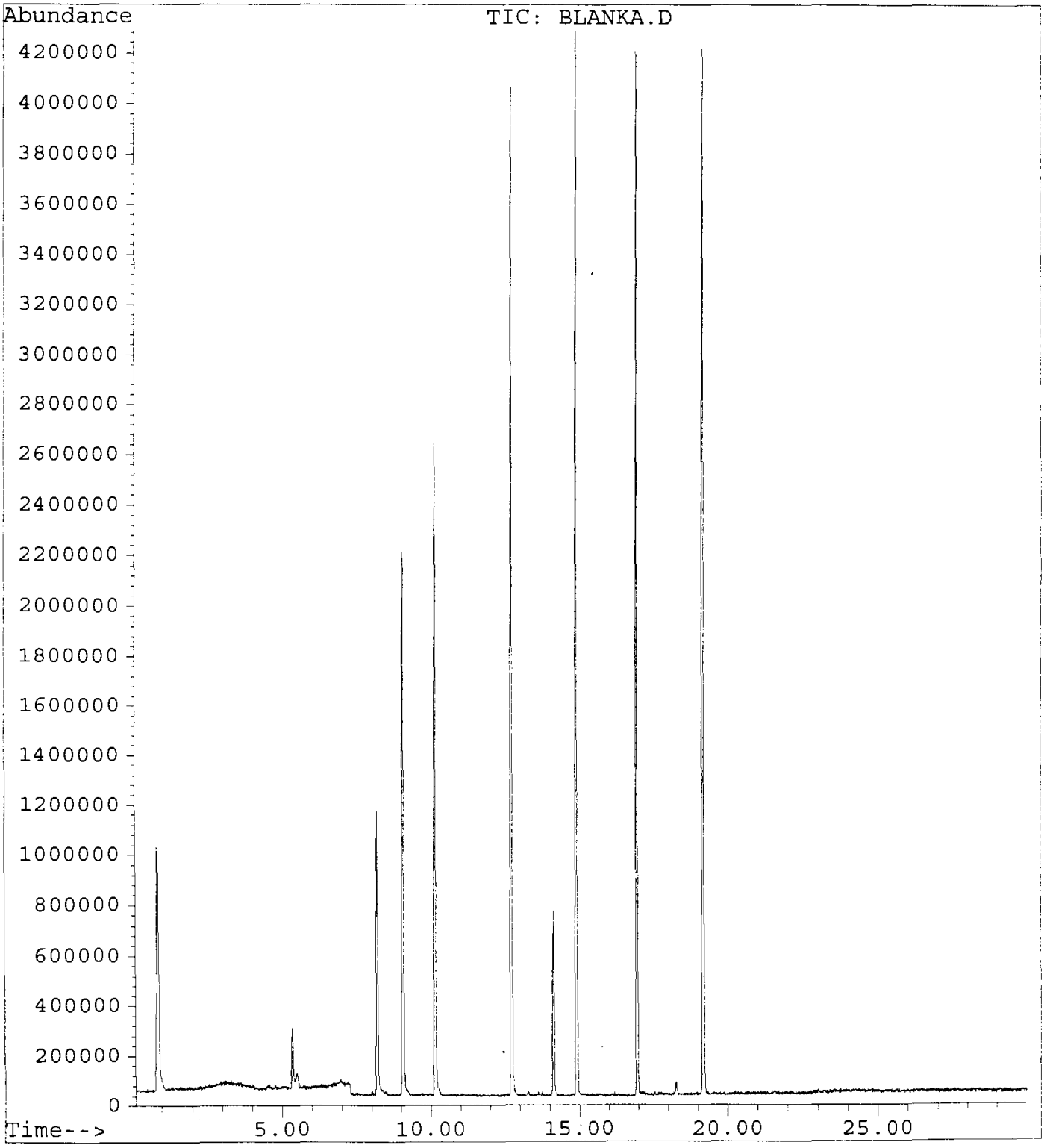
File Name	BLANKA.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 11:36
Method	8260LLS
Misc Info	BLANK A 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	24719252	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.429	50.00	Chloromethane (SPCC)	49740	0.20	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.919	61.00	1,1-Dichloroethylene (CCC)	27903	0.08	ug/kg	
10	5.045	78.00	Carbon Disulfide	18789	0.37	ug/kg	
11	4.794	127.00	Iodomethane	47358	0.32	ug/kg	
12	4.507	43.00	Acetone	-17269	-0.21	ug/kg	
13	5.340	49.00	Dichloromethane	3097364	0.90	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.372	53.00	Acrylonitrile	28771	0.52	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.180	77.00	2,2-Dichloropropane	22550	0.07	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.026	83.00	Chloroform (CCC)		124764	0.22	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane		0	0.00	ug/kg	
24	8.193	113.00	Dibromofluoromethane (SURR)		10859240	37.23	ug/kg	
25	10.151	114.00	1,4-Difluorobenzene		30860153	40.00	ug/kg	ISTD
26	9.294	75.00	1,1-Dichloropropene		17040	0.04	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.762	43.00	4-Methyl-2-Pentanone		35920	0.07	ug/kg	
37	12.723	98.00	Toluene-d8 (SURR)		38923026	41.93	ug/kg	
38	12.835	91.00	Toluene (CCC)		130083	0.10	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		10129946	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.919	112.00	Chlorobenzene (SPCC)		40017	0.05	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	0.000	91.00	Ethylbenzene (CCC)		0	0.00	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.183	152.00	1,4-Dichlorobenzene-d4		22103193	40.00	ug/kg	ISTD
56	16.951	105.00	Isopropylbenzene		64846	0.04	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		19095292	37.18	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.670	75.00	1,2,3-Trichloropropane		19104	0.04	ug/kg	
61	17.705	91.00	n-Propylbenzene		27717	0.01	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.705	91.00	4-Chlorotoluene		26367	0.02	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.935	120.00	1,2,4-Trimethylbenzene		10254	0.02	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.225	91.00	n-Butylbenzene		53087	0.06	ug/kg	
74	20.613	157.00	1,2-Dibromo-3-Chloropropane		5860	0.04	ug/kg	

File : C:\HPCHEM\1\DATA\0803\BLANKA.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 11:36 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK A
Misc Info : BLANK A 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0014(A-D)
Control No.: 82792
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 13:44
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	54	54
Acrolein	<	54	54
Acrylonitrile	<	54	54
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	54	54
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	54	54
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	54	54

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		8	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	32	32
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	86.9 %	80 - 120
Toluene-d8	104.5 %	81 - 117
4-Bromofluorobenzene	92.7 %	74 - 121

Percent Solids	93.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82792.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 1:44 pm using AcqMethod 8260LLS
Sample Name: 82792 COMPOSITE OF 4
Misc Info : 82792 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	0.3 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.64	0.1 ug/kg	#
5	Bromomethane	2.48	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.96	0.2 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.21	0.8 ug/kg	#
11	Iodomethane	4.82	0.7 ug/kg	#
12	Acetone	4.49	48.2 ug/kg	
13	Dichloromethane	5.34	-6.8 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.29	2.6 ug/kg	
18	2,2-Dichloropropane	8.04	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.68	1.6 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.3 ug/kg	
23	1,1,1-Trichloroethane	9.01	1.6 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	34.8 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	0.1 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82792.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 1:44 pm using AcqMethod 8260LLS
Sample Name: 82792 COMPOSITE OF 4
Misc Info : 82792 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.2 ug/kg	#
29	1,2-Dichloroethane	9.00	0.1 ug/kg	#
30	Trichloroethylene	10.60	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.60	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.73	41.8 ug/kg	
38	Toluene (CCC)	12.83	6.7 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	0.9 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.96	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	14.78	0.1 ug/kg	#
50	Ethylbenzene (CCC)	15.38	0.4 ug/kg	
51	m,p-Xylene	15.72	2.5 ug/kg	
52	o-Xylene	16.33	1.1 ug/kg	
53	Styrene	16.24	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.98	0.2 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	37.1 ug/kg	
58	Bromobenzene	17.19	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.49	0.1 ug/kg	#
61	n-Propylbenzene	17.71	0.2 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82792.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 1:44 pm using AcqMethod 8260LLS
Sample Name: 82792 COMPOSITE OF 4
Misc Info : 82792 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.92	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.8 ug/kg	
66	tert-Butylbenzene	18.69	0.2 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	2.0 ug/kg	
68	sec-Butylbenzene	19.10	0.2 ug/kg	
69	1,3-Dichlorobenzene	19.08	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.22	0.2 ug/kg	#
71	p-Isopropyltoluene	19.56	0.2 ug/kg	
72	1,2-Dichlorobenzene	19.85	0.1 ug/kg	#
73	n-Butylbenzene	20.24	0.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

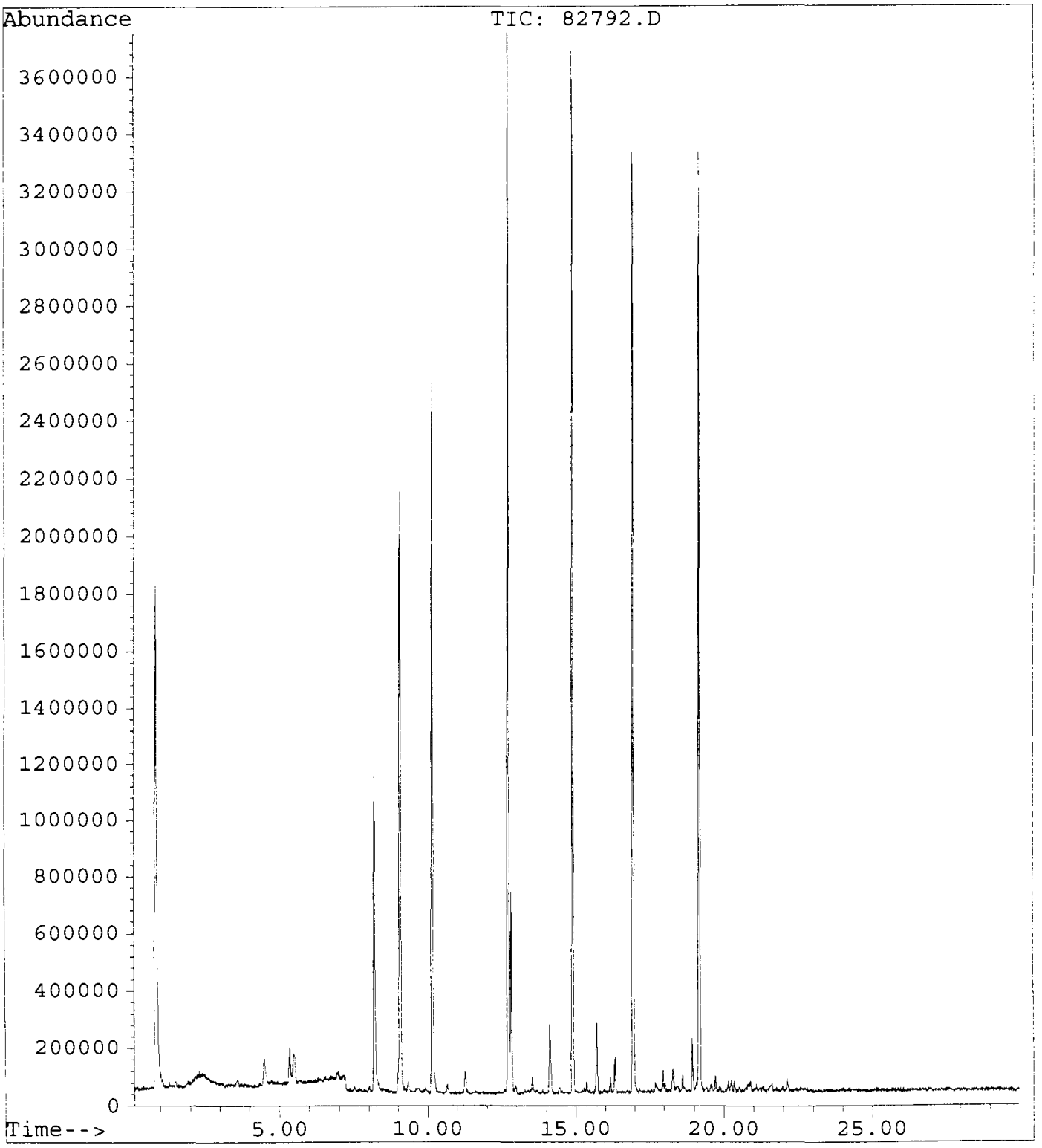
File Name	82792.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 13:44
Method	8260LLS
Misc Info	82792 COMPOSITE OF 4 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.069	168.00	Pentafluorobenzene	25469284	40.00	ug/kg	*ISTD
2	1.190	85.00	Dichlorodifluoromethane	31646	0.28	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.641	62.00	Vinyl Chloride (CCC)	23800	0.14	ug/kg	
5	2.482	94.00	Bromomethane	37933	0.50	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.962	101.00	Trichlorofluoromethane	86111	0.25	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.209	78.00	Carbon Disulfide	41297	0.78	ug/kg	
11	4.820	127.00	Iodomethane	107343	0.71	ug/kg	
12	4.491	43.00	Acetone	4128734	48.22	ug/kg	
13	5.341	49.00	Dichloromethane	1291599	-6.81	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.289	86.00	Vinyl Acetate	18394	2.58	ug/kg	
18	8.043	77.00	2,2-Dichloropropane	31676	0.09	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.679	72.00	Methyl Ethyl Ketone	34637	1.61	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	8.017	83.00	Chloroform (CCC)	164122	0.28	ug/kg	
23	9.007	97.00	1,1,1-Trichloroethane	888133	1.64	ug/kg	
24	8.198	113.00	Dibromofluoromethane (SURR)	10449943	34.77	ug/kg	
25	10.155	114.00	1,4-Difluorobenzene	28587179	40.00	ug/kg	ISTD
26	9.312	75.00	1,1-Dichloropropene	36733	0.10	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	9.598	78.00	Benzene	133107	0.15	ug/kg	
29	9.000	62.00	1,2-Dichloroethane	41416	0.10	ug/kg	
30	10.601	130.00	Trichloroethylene	37164	0.13	ug/kg	
31	10.601	63.00	1,2-Dichloropropane (CCC)	16294	0.05	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone	0	0.00	ug/kg	
37	12.727	98.00	Toluene-d8 (SURR)	35949954	41.81	ug/kg	
38	12.825	91.00	Toluene (CCC)	7729741	6.73	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.903	54.00	Chlorobenzene-d5	8861699	40.00	ug/kg	ISTD
43	13.895	166.00	Tetrachloroethylene	51810	0.09	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.374	43.00	2-Hexanone	246137	0.85	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.965	112.00	Chlorobenzene (SPCC)	87402	0.12	ug/kg	

49	14.782	131.00	1,1,1,2-Tetrachloroethane		25287	0.07	ug/kg	
50	15.380	91.00	Ethylbenzene (CCC)		436238	0.35	ug/kg	
51	15.719	106.00	m,p-Xylene		1040458	2.53	ug/kg	
52	16.335	91.00	o-Xylene		1177782	1.10	ug/kg	
53	16.237	104.00	Styrene		40811	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.188	152.00	1,4-Dichlorobenzene-d4		17882065	40.00	ug/kg	ISTD
56	16.976	105.00	Isopropylbenzene		251275	0.20	ug/kg	
57	16.945	95.00	4-Bromofluorobenzene (SURR)		15404222	37.08	ug/kg	
58	17.191	158.00	Bromobenzene		30123	0.06	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.492	75.00	1,2,3-Trichloropropane		24504	0.07	ug/kg	
61	17.712	91.00	n-Propylbenzene		386484	0.16	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.924	91.00	4-Chlorotoluene		87810	0.09	ug/kg	
65	18.303	105.00	1,3,5-Trimethylbenzene		729655	0.75	ug/kg	
66	18.689	119.00	tert-Butylbenzene		121669	0.16	ug/kg	
67	18.954	120.00	1,2,4-Trimethylbenzene		772743	1.97	ug/kg	
68	19.098	105.00	sec-Butylbenzene		176248	0.18	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		67385	0.10	ug/kg	
70	19.219	146.00	1,4-Dichlorobenzene		103294	0.16	ug/kg	
71	19.558	119.00	p-Isopropyltoluene		124927	0.16	ug/kg	
72	19.851	146.00	1,2-Dichlorobenzene		82975	0.14	ug/kg	
73	20.241	91.00	n-Butylbenzene		204598	0.28	ug/kg	
74	20.596	157.00	1,2-Dibromo-3-Chloropropane		6674	0.05	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82792.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 1:44 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82792 COMPOSITE OF 4
Misc Info : 82792 COMPOSITE OF 4 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0011
Control No.: 82794
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 14:31
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	54	54
Acrolein	<	54	54
Acrylonitrile	<	54	54
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	54	54
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	54	54
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	54	54

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene		10	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	98.9 %	80 - 120
Toluene-d8	104.1 %	81 - 117
4-Bromofluorobenzene	99.8 %	74 - 121

Percent Solids	92.0 %

Approved by: Jerry Hamilton

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82794.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82794 COMPOSITE OF 1
Misc Info : 82794 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.21	0.3 ug/kg	#
3	Chloromethane (SPCC)	1.42	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.89	0.1 ug/kg	#
5	Bromomethane	2.53	0.8 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.94	0.0 ug/kg	#
8	Acrolein	4.14	1.2 ug/kg	#
9	1,1-Dichloroethylene (CCC)	4.79	0.0 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.83	0.8 ug/kg	
12	Acetone	4.54	23.3 ug/kg	
13	Dichloromethane	5.34	1.2 ug/kg	
14	trans-1,2-Dichloroethylene	6.47	0.1 ug/kg	#
15	Acrylonitrile	5.23	0.1 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.3 ug/kg	
23	1,1,1-Trichloroethane	8.99	2.2 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	39.5 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82794.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82794 COMPOSITE OF 1
Misc Info : 82794 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.0 ug/kg	#
29	1,2-Dichloroethane	8.97	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.04	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	41.6 ug/kg	
38	Toluene (CCC)	12.82	9.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	#
44	1,3-Dichloropropane	12.99	0.0 ug/kg	#
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.1 ug/kg	
51	m,p-Xylene	15.72	0.7 ug/kg	
52	o-Xylene	16.33	0.3 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	15.61	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	39.9 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82794.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 2:31 pm using AcqMethod 8260LLS
Sample Name: 82794 COMPOSITE OF 1
Misc Info : 82794 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.4 ug/kg	
66	tert-Butylbenzene	18.68	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	0.7 ug/kg	
68	sec-Butylbenzene	19.09	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.09	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.19	0.0 ug/kg	#
71	p-Isopropyltoluene	19.56	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.85	0.1 ug/kg	
73	n-Butylbenzene	20.24	0.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

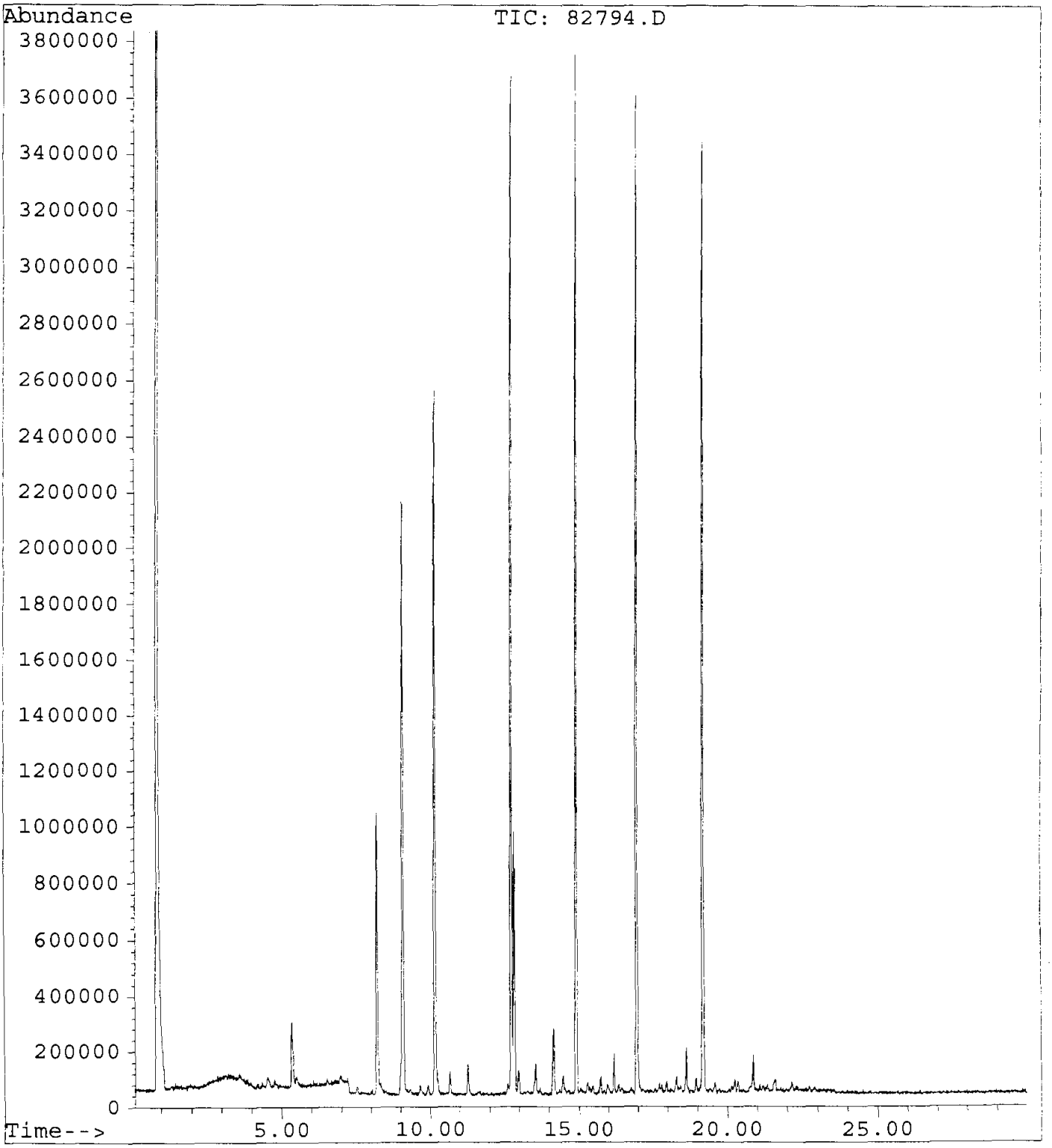
File Name	82794.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 14:31
Method	8260LLS
Misc Info	82794 COMPOSITE OF 1 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.065	168.00	Pentafluorobenzene	24398138	40.00	ug/kg	*ISTD
2	1.206	85.00	Dichlorodifluoromethane	30498	0.28	ug/kg	
3	1.425	50.00	Chloromethane (SPCC)	40550	0.16	ug/kg	
4	1.892	62.00	Vinyl Chloride (CCC)	15234	0.09	ug/kg	
5	2.530	94.00	Bromomethane	60869	0.84	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.944	101.00	Trichlorofluoromethane	10825	0.03	ug/kg	
8	4.139	56.00	Acrolein	24246	1.24	ug/kg	
9	4.791	61.00	1,1-Dichloroethylene (CCC)	16593	0.05	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.831	127.00	Iodomethane	113118	0.78	ug/kg	
12	4.540	43.00	Acetone	1896183	23.28	ug/kg	
13	5.343	49.00	Dichloromethane	3143195	1.25	ug/kg	
14	6.474	61.00	trans-1,2-Dichloroethylene	32347	0.11	ug/kg	
15	5.226	53.00	Acrylonitrile	6820	0.12	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.019	83.00	Chloroform (CCC)		151227	0.27	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane		1152474	2.23	ug/kg	
24	8.195	113.00	Dibromofluoromethane (SURR)		9443791	39.54	ug/kg	
25	10.151	114.00	1,4-Difluorobenzene		29352771	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.598	78.00	Benzene		41264	0.05	ug/kg	
29	8.970	62.00	1,2-Dichloroethane		21502	0.05	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.043	43.00	4-Methyl-2-Pentanone		34758	0.07	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		36767554	41.64	ug/kg	
38	12.821	91.00	Toluene (CCC)		10586700	9.01	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		8951155	40.00	ug/kg	ISTD
43	13.891	166.00	Tetrachloroethylene		32002	0.06	ug/kg	
44	12.991	76.00	1,3-Dichloropropane		16121	0.04	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)	180037	0.14	ug/kg	
51	15.724	106.00	m,p-Xylene	300551	0.72	ug/kg	
52	16.329	91.00	o-Xylene	297545	0.27	ug/kg	
53	0.000	104.00	Styrene	0	0.00	ug/kg	
54	15.611	173.00	Bromoform (SPCC)	25868	0.06	ug/kg	
55	19.181	152.00	1,4-Dichlorobenzene-d4	18022143	40.00	ug/kg	ISTD
56	16.950	105.00	Isopropylbenzene	130047	0.10	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)	16710871	39.91	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.705	91.00	n-Propylbenzene	241386	0.10	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.705	91.00	4-Chlorotoluene	241140	0.25	ug/kg	
65	18.293	105.00	1,3,5-Trimethylbenzene	342854	0.35	ug/kg	
66	18.685	119.00	tert-Butylbenzene	69301	0.09	ug/kg	
67	18.950	120.00	1,2,4-Trimethylbenzene	271690	0.69	ug/kg	
68	19.095	105.00	sec-Butylbenzene	135254	0.14	ug/kg	
69	19.085	146.00	1,3-Dichlorobenzene	49726	0.08	ug/kg	
70	19.189	146.00	1,4-Dichlorobenzene	32604	0.05	ug/kg	
71	19.562	119.00	p-Isopropyltoluene	84001	0.11	ug/kg	
72	19.855	146.00	1,2-Dichlorobenzene	47363	0.08	ug/kg	
73	20.243	91.00	n-Butylbenzene	159368	0.22	ug/kg	
74	20.596	157.00	1,2-Dibromo-3-Chloropropane	13432	0.10	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82794.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 2:31 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82794 COMPOSITE OF 1
Misc Info : 82794 COMPOSITE OF 1 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0010(A-B)
Control No.: 82795
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 3-Aug-95 15:13
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	89.6 %	80 - 120
Toluene-d8	98.3 %	81 - 117
4-Bromofluorobenzene	89.0 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82795.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 3:13 pm using AcqMethod 8260LLS
Sample Name: 82795 COMPOSITE OF 2
Misc Info : 82795 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	0.2 ug/kg	#
3	Chloromethane (SPCC)	1.48	0.4 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.50	9.4 ug/kg	#
13	Dichloromethane	5.34	2.7 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.85	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.5 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	35.8 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82795.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 3:13 pm using AcqMethod 8260LLS
Sample Name: 82795 COMPOSITE OF 2
Misc Info : 82795 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.61	0.0 ug/kg	#
29	1,2-Dichloroethane	9.06	-0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.69	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.29	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	39.3 ug/kg	
38	Toluene (CCC)	12.81	2.8 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	13.69	0.0 ug/kg	#
48	Chlorobenzene (SPCC)	14.90	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	
52	o-Xylene	16.32	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	15.65	0.0 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	35.6 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82795.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 3:13 pm using AcqMethod 8260LLS
Sample Name: 82795 COMPOSITE OF 2
Misc Info : 82795 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	18.42	0.0 ug/kg	#
66	tert-Butylbenzene	18.61	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.09	0.0 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.67	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

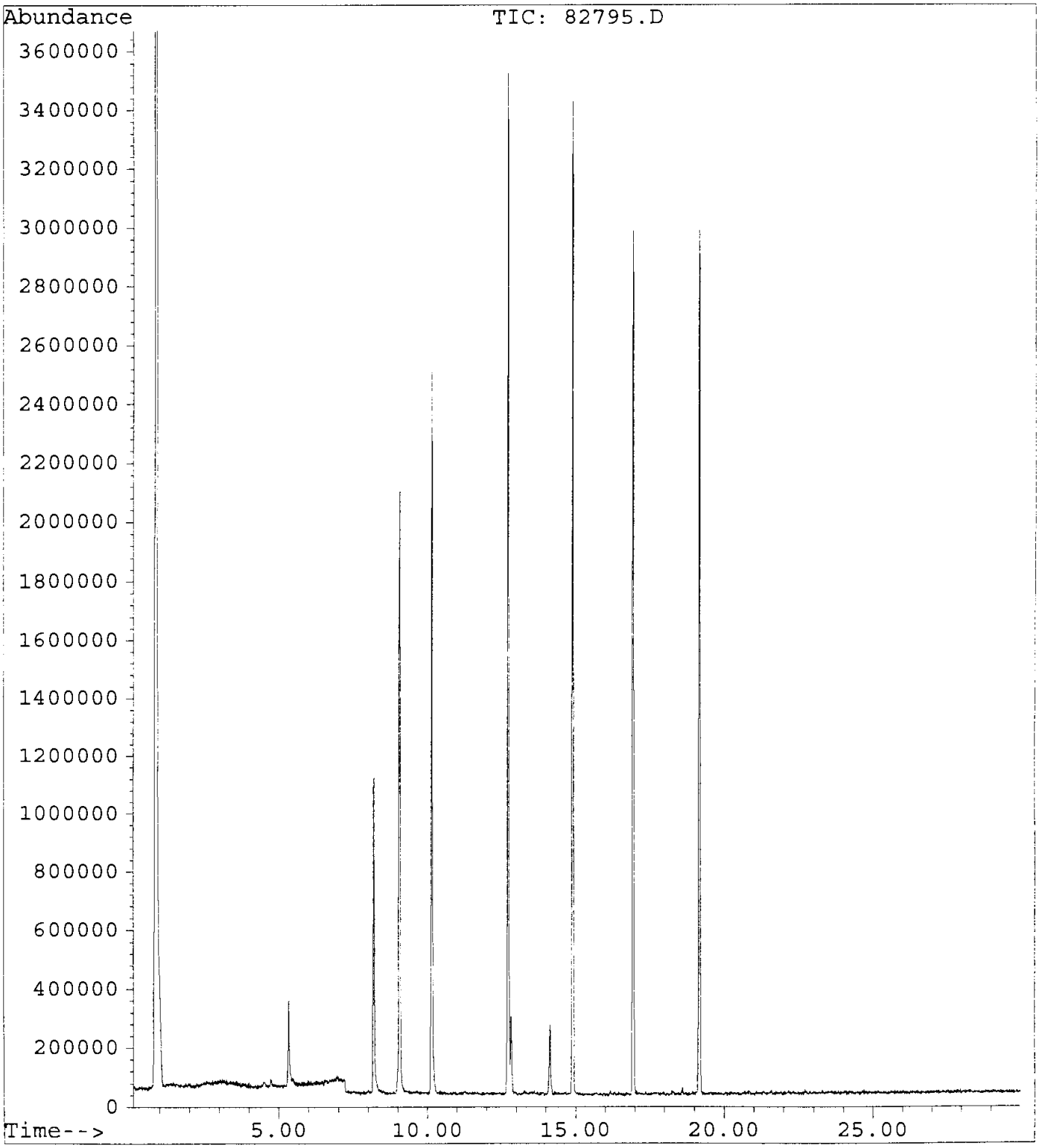
File Name	82795.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 15:13
Method	8260LLS
Misc Info	82795 COMPOSITE OF 2 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.060	168.00	Pentafluorobenzene	24595701	40.00	ug/kg	*ISTD
2	1.179	85.00	Dichlorodifluoromethane	25157	0.23	ug/kg	
3	1.477	50.00	Chloromethane (SPCC)	103537	0.42	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.968	101.00	Trichlorofluoromethane	35804	0.11	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.504	43.00	Acetone	765476	9.36	ug/kg	
13	5.336	49.00	Dichloromethane	3523707	2.68	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.852	63.00	1,1-Dichloroethane (SPCC)	32936	0.09	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.008	83.00	Chloroform (CCC)		109655	0.19	ug/kg	
23	8.986	97.00	1,1,1-Trichloroethane		761663	1.46	ug/kg	
24	8.190	113.00	Dibromofluoromethane (SURR)		10400118	35.84	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene		28515357	40.00	ug/kg	ISTD
26	9.299	75.00	1,1-Dichloropropene		41386	0.12	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.615	78.00	Benzene		38902	0.04	ug/kg	
29	9.056	62.00	1,2-Dichloroethane		-29859	-0.07	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.690	83.00	Dichlorobromomethane		15374	0.03	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.291	43.00	4-Methyl-2-Pentanone		37708	0.08	ug/kg	
37	12.717	98.00	Toluene-d8 (SURR)		33723650	39.32	ug/kg	
38	12.813	91.00	Toluene (CCC)		3207455	2.78	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.894	54.00	Chlorobenzene-d5		8170367	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	13.689	107.00	1,2-Dibromoethane		11043	0.05	ug/kg	
48	14.896	112.00	Chlorobenzene (SPCC)		19901	0.03	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.360	91.00	Ethylbenzene (CCC)		52358	0.05	ug/kg	
51	15.718	106.00	m,p-Xylene		29952	0.08	ug/kg	
52	16.316	91.00	o-Xylene		38825	0.04	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	15.652	173.00	Bromoform (SPCC)		15235	0.04	ug/kg	
55	19.176	152.00	1,4-Dichlorobenzene-d4		15697790	40.00	ug/kg	ISTD
56	16.951	105.00	Isopropylbenzene		74410	0.07	ug/kg	
57	16.935	95.00	4-Bromofluorobenzene (SURR)		12976363	35.58	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	18.417	105.00	1,3,5-Trimethylbenzene		7442	0.01	ug/kg	
66	18.606	119.00	tert-Butylbenzene		20554	0.03	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.086	105.00	sec-Butylbenzene		25861	0.03	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.230	91.00	n-Butylbenzene		13553	0.02	ug/kg	
74	20.670	157.00	1,2-Dibromo-3-Chloropropane		7484	0.06	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82795.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 3:13 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82795 COMPOSITE OF 2
Misc Info : 82795 COMPOSITE OF 2 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0022(A-B)
Control No.: 82797
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 16:05
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	53	53
Acrolein	<	53	53
Acrylonitrile	<	53	53
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	53	53
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	21	21
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	26	26
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	53	53
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	53	53

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	32	32
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	93.3 %	80 - 120
Toluene-d8	101.3 %	81 - 117
4-Bromofluorobenzene	107.0 %	74 - 121

Percent Solids	95.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82797.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:05 pm using AcqMethod 8260LLS
Sample Name: 82797 COMPOSITE OF 2
Misc Info : 82797 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.45	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.98	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.80	0.3 ug/kg	#
12	Acetone	4.49	13.9 ug/kg	
13	Dichloromethane	5.33	-2.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.87	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.67	1.2 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	0.1 ug/kg	#
23	1,1,1-Trichloroethane	9.00	0.7 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	37.3 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82797.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:05 pm using AcqMethod 8260LLS
Sample Name: 82797 COMPOSITE OF 2
Misc Info : 82797 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	8.96	0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.36	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.72	40.5 ug/kg	
38	Toluene (CCC)	12.81	1.6 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	
51	m,p-Xylene	15.72	0.6 ug/kg	
52	o-Xylene	16.32	0.2 ug/kg	
53	Styrene	16.32	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	42.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82797.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:05 pm using AcqMethod 8260LLS
Sample Name: 82797 COMPOSITE OF 2
Misc Info : 82797 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.3 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.96	0.3 ug/kg	#
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.06	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.3 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.24	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.45	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

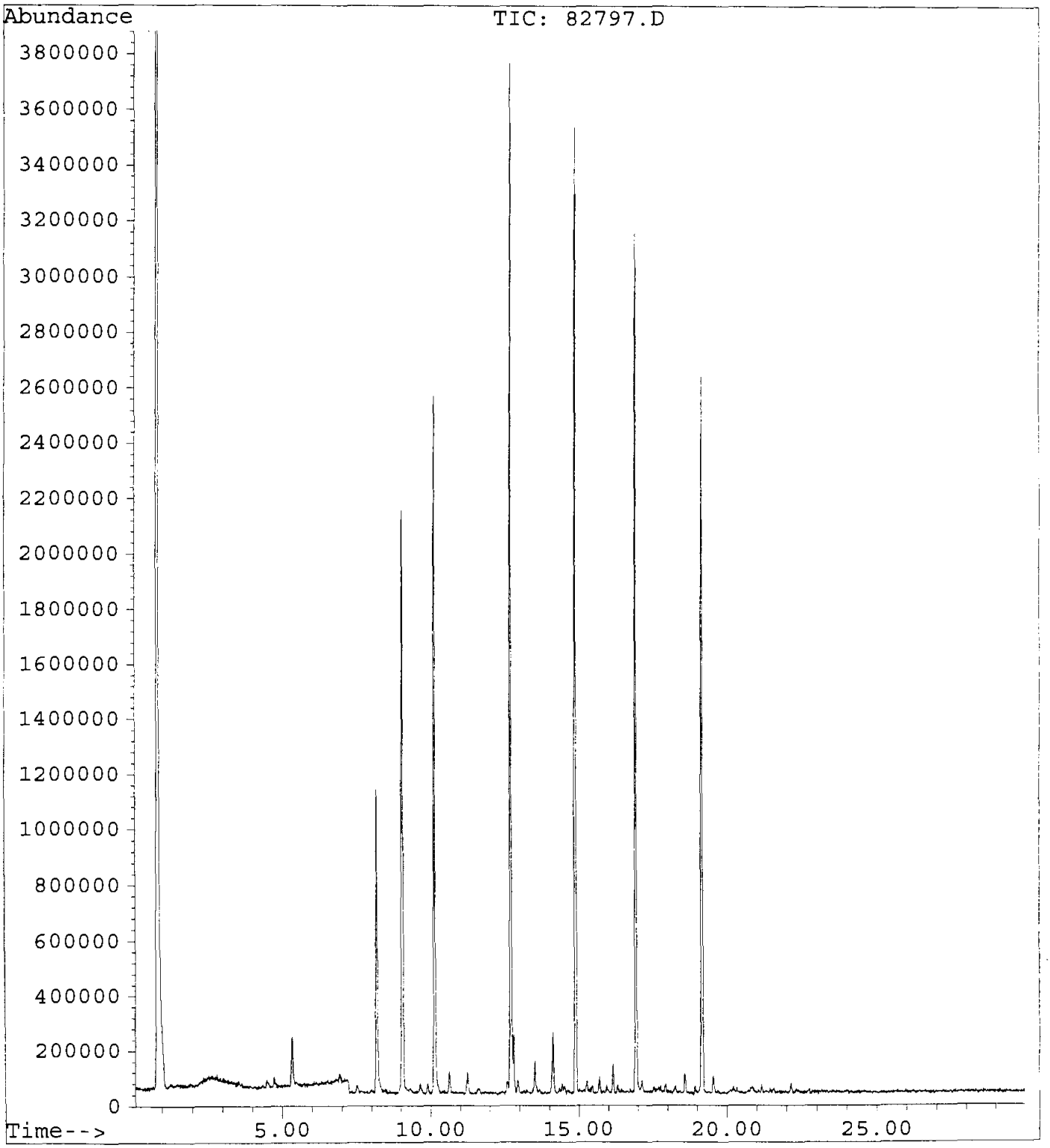
File Name	82797.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 16:05
Method	8260LLS
Misc Info	82797 COMPOSITE OF 2 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.060	168.00	Pentafluorobenzene	24333053	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.450	50.00	Chloromethane (SPCC)	33704	0.14	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.980	101.00	Trichlorofluoromethane	25353	0.08	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.803	127.00	Iodomethane	40522	0.28	ug/kg	
12	4.489	43.00	Acetone	1124762	13.88	ug/kg	
13	5.330	49.00	Dichloromethane	2358247	-1.98	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.870	61.00	cis-1,2-Dichloroethylene	23271	0.05	ug/kg	
20	7.673	72.00	Methyl Ethyl Ketone	25213	1.23	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.030	83.00	Chloroform (CCC)		52326	0.09	ug/kg	
23	9.001	97.00	1,1,1-Trichloroethane		357070	0.69	ug/kg	
24	8.189	113.00	Dibromofluoromethane (SURR)		10713514	37.31	ug/kg	
25	10.145	114.00	1,4-Difluorobenzene		29504750	40.00	ug/kg	ISTD
26	9.313	75.00	1,1-Dichloropropene		20561	0.06	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.602	78.00	Benzene		83676	0.09	ug/kg	
29	8.956	62.00	1,2-Dichloroethane		15719	0.04	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	10.355	63.00	1,2-Dichloropropane (CCC)		25747	0.08	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone		0	0.00	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		35959989	40.52	ug/kg	
38	12.813	91.00	Toluene (CCC)		1871740	1.56	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		8346090	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.942	112.00	Chlorobenzene (SPCC)		25984	0.04	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.377	91.00	Ethylbenzene (CCC)	118553	0.10	ug/kg	
51	15.715	106.00	m,p-Xylene	223967	0.58	ug/kg	
52	16.323	91.00	o-Xylene	229244	0.23	ug/kg	
53	16.323	104.00	Styrene	28218	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)	0	0.00	ug/kg	
55	19.176	152.00	1,4-Dichlorobenzene-d4	13751596	40.00	ug/kg	ISTD
56	16.940	105.00	Isopropylbenzene	109748	0.11	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)	13675433	42.80	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.706	91.00	n-Propylbenzene	70028	0.04	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.706	91.00	4-Chlorotoluene	71649	0.10	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene	206834	0.28	ug/kg	
66	0.000	119.00	tert-Butylbenzene	0	0.00	ug/kg	
67	18.955	120.00	1,2,4-Trimethylbenzene	94693	0.31	ug/kg	
68	19.096	105.00	sec-Butylbenzene	44233	0.06	ug/kg	
69	19.061	146.00	1,3-Dichlorobenzene	11049	0.02	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene	0	0.00	ug/kg	
71	19.544	119.00	p-Isopropyltoluene	167065	0.27	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene	0	0.00	ug/kg	
73	20.240	91.00	n-Butylbenzene	71366	0.13	ug/kg	
74	20.448	157.00	1,2-Dibromo-3-Chloropropane	11045	0.11	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82797.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:05 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82797 COMPOSITE OF 2
Misc Info : 82797 COMPOSITE OF 2 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0023(A-B)
Control No.: 82799
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 16:46
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	60	60
Acrolein	<	60	60
Acrylonitrile	<	60	60
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	60	60
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	30	30
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	60	60
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	60	60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	90.7 %	80 - 120
Toluene-d8	100.8 %	81 - 117
4-Bromofluorobenzene	97.2 %	74 - 121

Percent Solids	83.0 %

Approved by: Jerry Hamstra

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82799.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:46 pm using AcqMethod 8260LLS
Sample Name: 82799 COMPOSITE OF 2
Misc Info : 82799 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.99	0.3 ug/kg	
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.23	0.5 ug/kg	#
11	Iodomethane	4.80	0.2 ug/kg	#
12	Acetone	4.48	10.0 ug/kg	
13	Dichloromethane	5.33	-1.1 ug/kg	
14	trans-1,2-Dichloroethylene	6.29	0.1 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.84	0.1 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	7.95	0.1 ug/kg	#
22	Chloroform (CCC)	8.01	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	36.3 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82799.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:46 pm using AcqMethod 8260LLS
Sample Name: 82799 COMPOSITE OF 2
Misc Info : 82799 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	9.04	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.44	0.1 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.02	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	40.3 ug/kg	
38	Toluene (CCC)	12.82	3.3 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	0.1 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.89	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.1 ug/kg	#
51	m,p-Xylene	15.72	0.5 ug/kg	#
52	o-Xylene	16.31	0.2 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	***** NOT FOUND *****		
57	4-Bromofluorobenzene (SURR)	16.93	38.9 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82799.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:46 pm using AcqMethod 8260LLS
Sample Name: 82799 COMPOSITE OF 2
Misc Info : 82799 COMPOSITE OF 2 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.71	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.2 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.94	0.4 ug/kg	
68	sec-Butylbenzene	19.10	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.09	0.1 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.54	0.0 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.1 ug/kg	#
73	n-Butylbenzene	20.24	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.60	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

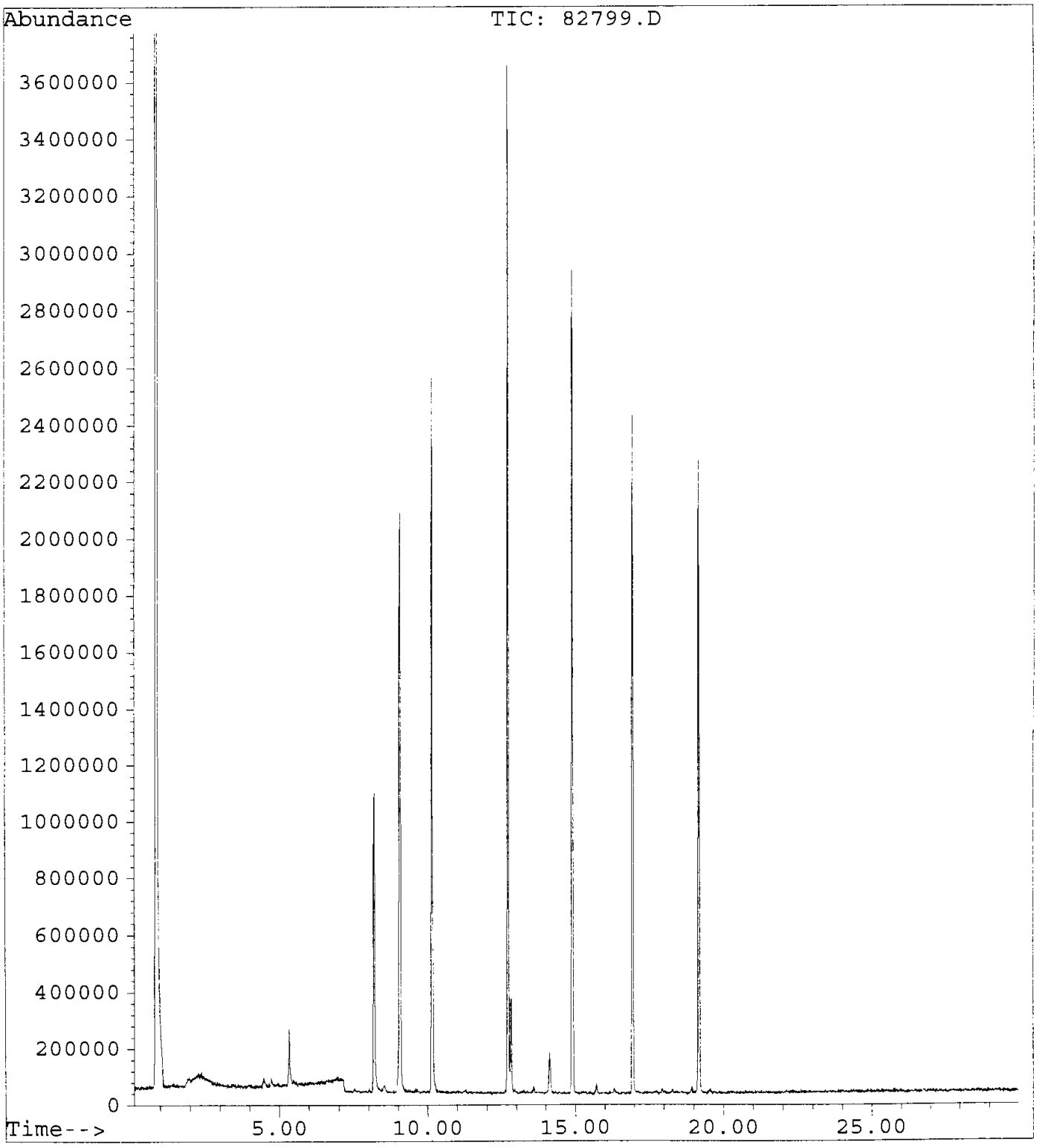
File Name	82799.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 16:46
Method	8260LLS
Misc Info	82799 COMPOSITE OF 2 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	23682853	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.991	101.00	Trichlorofluoromethane	81439	0.25	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.227	78.00	Carbon Disulfide	23576	0.48	ug/kg	
11	4.804	127.00	Iodomethane	29316	0.21	ug/kg	
12	4.478	43.00	Acetone	785568	9.97	ug/kg	
13	5.330	49.00	Dichloromethane	2502433	-1.08	ug/kg	
14	6.290	61.00	trans-1,2-Dichloroethylene	34391	0.12	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.841	63.00	1,1-Dichloroethane (SPCC)	29494	0.08	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	7.953	130.00	Bromochloromethane	21052	0.14	ug/kg	
22	8.014	83.00	Chloroform (CCC)	120971	0.22	ug/kg	
23	8.986	97.00	1,1,1-Trichloroethane	910290	1.81	ug/kg	
24	8.189	113.00	Dibromofluoromethane (SURR)	10141447	36.29	ug/kg	
25	10.145	114.00	1,4-Difluorobenzene	28578106	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene	0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride	0	0.00	ug/kg	
28	0.000	78.00	Benzene	0	0.00	ug/kg	
29	9.044	62.00	1,2-Dichloroethane	26142	0.06	ug/kg	
30	0.000	130.00	Trichloroethylene	0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	10.440	174.00	Dibromomethane	19430	0.06	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	12.015	43.00	4-Methyl-2-Pentanone	33371	0.07	ug/kg	
37	12.715	98.00	Toluene-d8 (SURR)	34649859	40.31	ug/kg	
38	12.818	91.00	Toluene (CCC)	3784301	3.27	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate	0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5	6744179	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene	0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	13.366	43.00	2-Hexanone	28288	0.13	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.895	112.00	Chlorobenzene (SPCC)	27898	0.05	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.364	91.00	Ethylbenzene (CCC)		70811	0.08	ug/kg	
51	15.715	106.00	m,p-Xylene		158640	0.51	ug/kg	
52	16.313	91.00	o-Xylene		161546	0.20	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4		11754669	40.00	ug/kg	ISTD
56	0.000	105.00	Isopropylbenzene		0	0.00	ug/kg	
57	16.934	95.00	4-Bromofluorobenzene (SURR)		10617018	38.88	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.713	91.00	n-Propylbenzene		71496	0.04	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.713	91.00	4-Chlorotoluene		30682	0.05	ug/kg	
65	18.291	105.00	1,3,5-Trimethylbenzene		110606	0.17	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.943	120.00	1,2,4-Trimethylbenzene		97689	0.38	ug/kg	
68	19.105	105.00	sec-Butylbenzene		20605	0.03	ug/kg	
69	19.086	146.00	1,3-Dichlorobenzene		25499	0.06	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.540	119.00	p-Isopropyltoluene		20649	0.04	ug/kg	
72	19.843	146.00	1,2-Dichlorobenzene		22230	0.06	ug/kg	
73	20.236	91.00	n-Butylbenzene		10396	0.02	ug/kg	
74	20.597	157.00	1,2-Dibromo-3-Chloropropane		16382	0.19	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82799.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 4:46 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82799 COMPOSITE OF 2
Misc Info : 82799 COMPOSITE OF 2 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IW-SL0024D(A-D)
Control No.: 82801
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 17:30
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	93.1 %	80 - 120
Toluene-d8	101.0 %	81 - 117
4-Bromofluorobenzene	91.8 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82801.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 5:30 pm using AcqMethod 8260LLS
Sample Name: 82801 COMPOSITE OF 4
Misc Info : 82801 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.55	0.7 ug/kg	#
6	Chloroethane	2.92	0.2 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.16	1.2 ug/kg	#
9	1,1-Dichloroethylene (CCC)	4.97	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.50	10.2 ug/kg	
13	Dichloromethane	5.33	-1.8 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.94	0.1 ug/kg	#
17	Vinyl Acetate	7.28	5.5 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	7.96	0.2 ug/kg	#
22	Chloroform (CCC)	8.02	0.1 ug/kg	#
23	1,1,1-Trichloroethane	9.00	0.5 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	37.3 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82801.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 5:30 pm using AcqMethod 8260LLS
Sample Name: 82801 COMPOSITE OF 4
Misc Info : 82801 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	#
29	1,2-Dichloroethane	9.04	0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.53	0.0 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.70	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	40.4 ug/kg	
38	Toluene (CCC)	12.82	0.9 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	***** NOT FOUND *****		
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	***** NOT FOUND *****		
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.93	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	36.7 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82801.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 5:30 pm using AcqMethod 8260LLS
Sample Name: 82801 COMPOSITE OF 4
Misc Info : 82801 COMPOSITE OF 4 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.56	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.18	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.61	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

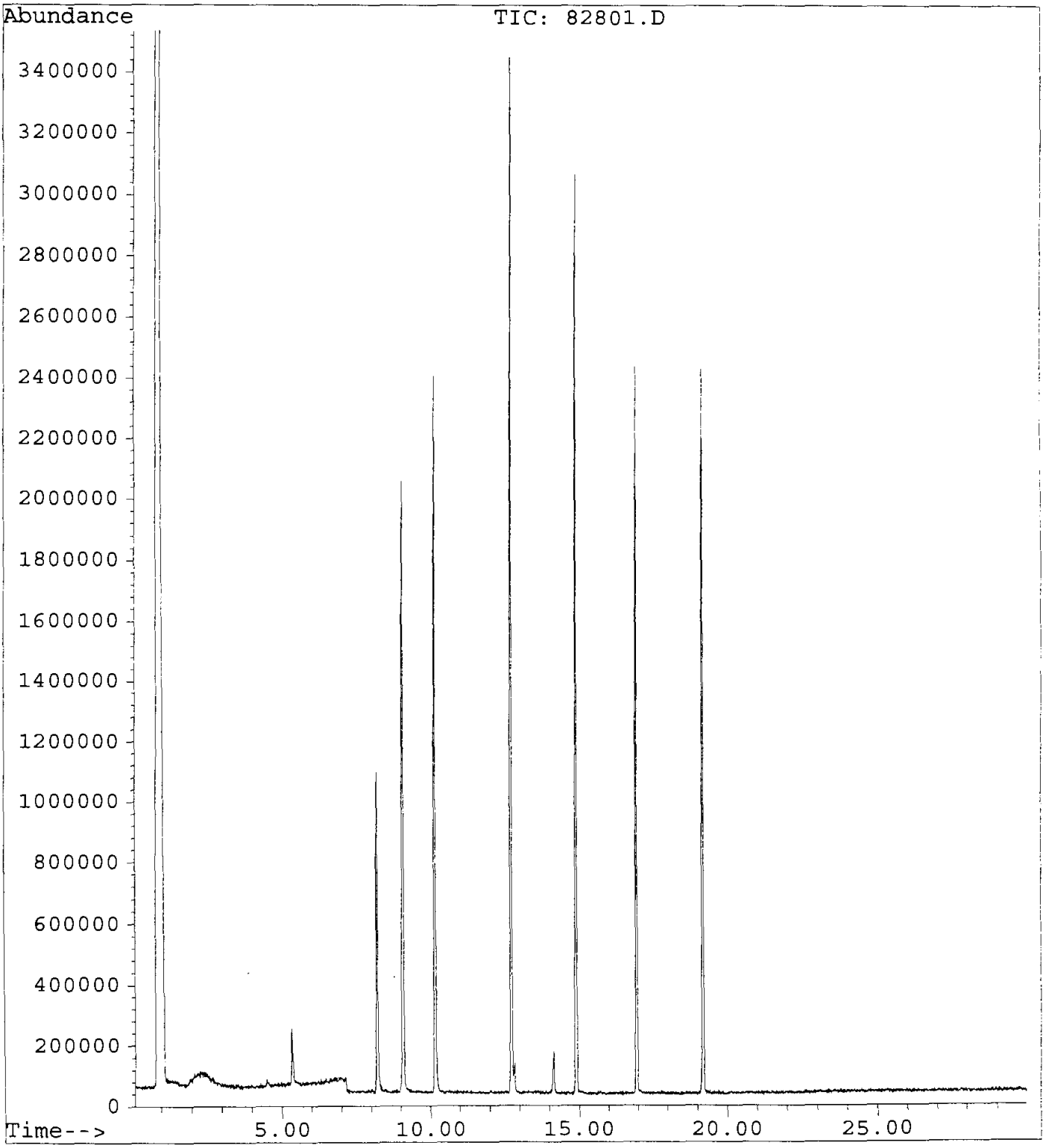
File Name	82801.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 17:30
Method	8260LLS
Misc Info	82801 COMPOSITE OF 4 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	23278560	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.548	94.00	Bromomethane	49867	0.72	ug/kg	
6	2.922	64.00	Chloroethane	8687	0.24	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.159	56.00	Acrolein	22663	1.22	ug/kg	
9	4.973	61.00	1,1-Dichloroethylene (CCC)	17009	0.05	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.498	43.00	Acetone	791478	10.22	ug/kg	
13	5.332	49.00	Dichloromethane	2293167	-1.81	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.943	63.00	1,1-Dichloroethane (SPCC)	20151	0.06	ug/kg	
17	7.281	86.00	Vinyl Acetate	35830	5.49	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	7.963	130.00	Bromochloromethane		22635	0.15	ug/kg	
22	8.023	83.00	Chloroform (CCC)		57274	0.11	ug/kg	
23	9.001	97.00	1,1,1-Trichloroethane		248314	0.50	ug/kg	
24	8.189	113.00	Dibromofluoromethane (SURR)		10231438	37.25	ug/kg	
25	10.146	114.00	1,4-Difluorobenzene		27467247	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.589	78.00	Benzene		54911	0.06	ug/kg	
29	9.040	62.00	1,2-Dichloroethane		16187	0.04	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.533	174.00	Dibromomethane		12422	0.04	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.696	43.00	4-Methyl-2-Pentanone		24910	0.05	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		33391571	40.41	ug/kg	
38	12.821	91.00	Toluene (CCC)		969652	0.87	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.895	54.00	Chlorobenzene-d5		7297834	40.00	ug/kg	ISTD
43	13.884	166.00	Tetrachloroethylene		32515	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	0.000	91.00	Ethylbenzene (CCC)		0	0.00	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.174	152.00	1,4-Dichlorobenzene-d4		12776109	40.00	ug/kg	ISTD
56	16.929	105.00	Isopropylbenzene		60719	0.07	ug/kg	
57	16.936	95.00	4-Bromofluorobenzene (SURR)		10896235	36.71	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.563	119.00	p-Isopropyltoluene		23605	0.04	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.181	91.00	n-Butylbenzene		5666	0.01	ug/kg	
74	20.606	157.00	1,2-Dibromo-3-Chloropropane		10664	0.11	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82801.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 5:30 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82801 COMPOSITE OF 4
Misc Info : 82801 COMPOSITE OF 4 0803
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950720-FW-IWSL0024S
Control No.: 82803
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 3-Aug-95 18:13
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	76	76
Acrolein	<	76	76
Acrylonitrile	<	76	76
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	76	76
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	30	30
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	38	38
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	76	76
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	76	76

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	45	45
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	93.5 %	80 - 120
Toluene-d8	103.8 %	81 - 117
4-Bromofluorobenzene	86.0 %	74 - 121

Percent Solids	66.0 %

Approved by: Jerry Hancotte

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82803.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 6:13 pm using AcqMethod 8260LLS
Sample Name: 82803 COMPOSITE OF 1
Misc Info : 82803 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.45	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.94	0.6 ug/kg	#
7	Trichlorofluoromethane	3.98	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.32	0.5 ug/kg	#
11	Iodomethane	4.83	0.2 ug/kg	#
12	Acetone	4.51	12.1 ug/kg	
13	Dichloromethane	5.34	-5.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.45	0.1 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.1 ug/kg	
23	1,1,1-Trichloroethane	9.06	0.0 ug/kg	#
24	Dibromofluoromethane (SURR)	8.20	37.4 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

001060

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82803.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 6:13 pm using AcqMethod 8260LLS
Sample Name: 82803 COMPOSITE OF 1
Misc Info : 82803 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.57	0.0 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	11.48	6.4 ug/kg	#
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.67	0.1 ug/kg	
37	Toluene-d8 (SURR)	12.72	41.5 ug/kg	
38	Toluene (CCC)	12.81	0.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	***** NOT FOUND *****		
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	***** NOT FOUND *****		
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	***** NOT FOUND *****		
57	4-Bromofluorobenzene (SURR)	16.94	34.4 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0803\82803.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 6:13 pm using AcqMethod 8260LLS
Sample Name: 82803 COMPOSITE OF 1
Misc Info : 82803 COMPOSITE OF 1 0803
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.99	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	19.10	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.18	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.18	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.48	0.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

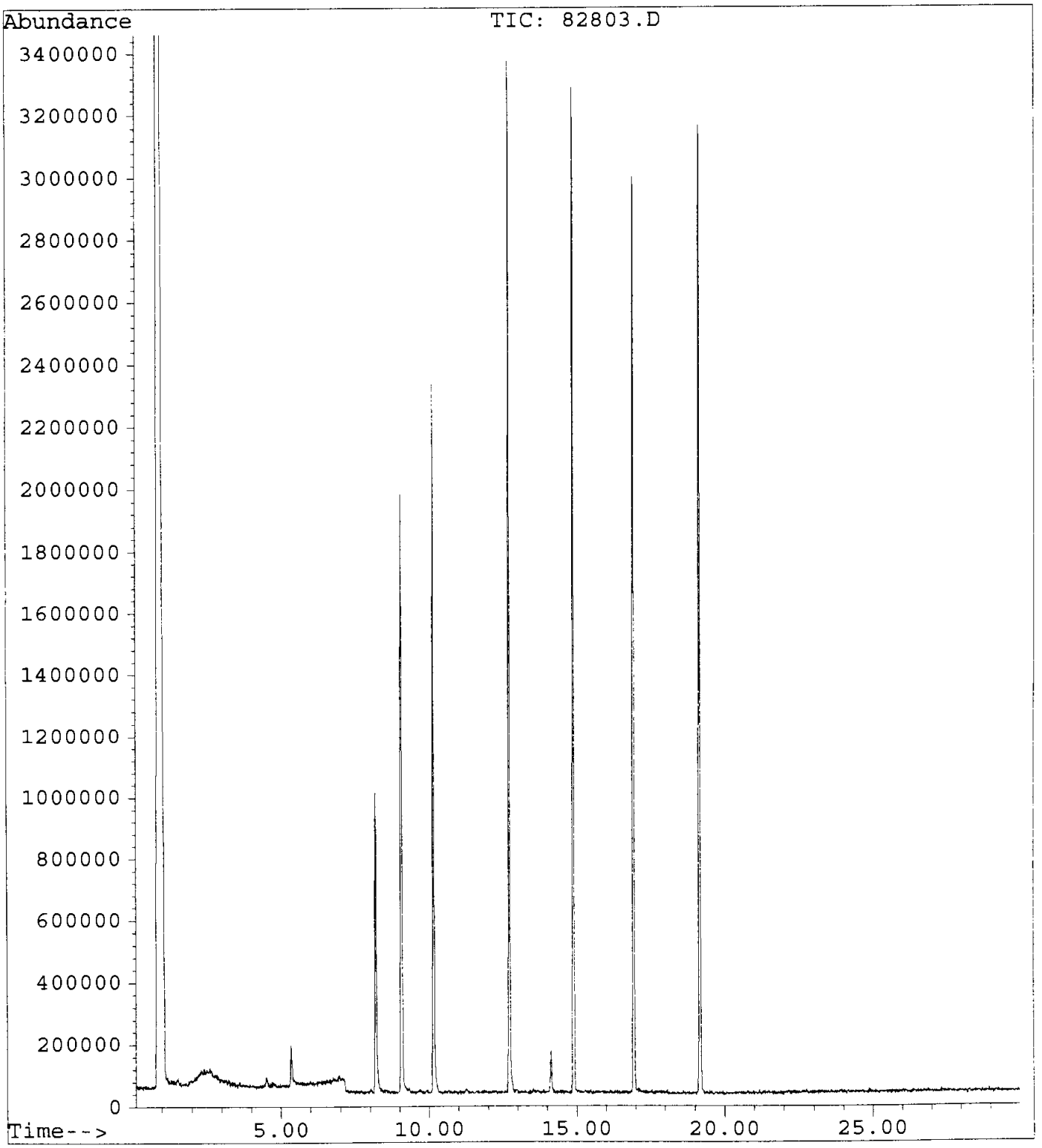
File Name	82803.D
Data Path	C:\HPCHEM\1\DATA\0803\
Operator	CHARLES M. JOHNSON
Date/Time	8/3/95 18:13
Method	8260LLS
Misc Info	82803 COMPOSITE OF 1 0803
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.066	168.00	Pentafluorobenzene	22261607	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.452	50.00	Chloromethane (SPCC)	47330	0.21	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.937	64.00	Chloroethane	22258	0.65	ug/kg	
7	3.981	101.00	Trichlorofluoromethane	31680	0.10	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.320	78.00	Carbon Disulfide	24205	0.52	ug/kg	
11	4.827	127.00	Iodomethane	31895	0.24	ug/kg	
12	4.514	43.00	Acetone	894946	12.08	ug/kg	
13	5.341	49.00	Dichloromethane	1440717	-5.33	ug/kg	
14	6.454	61.00	trans-1,2-Dichloroethylene	15474	0.06	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.017	83.00	Chloroform (CCC)		77590	0.15	ug/kg	
23	9.061	97.00	1,1,1-Trichloroethane		21185	0.04	ug/kg	
24	8.195	113.00	Dibromofluoromethane (SURR)		9830202	37.42	ug/kg	
25	10.148	114.00	1,4-Difluorobenzene		26142393	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.575	78.00	Benzene		32242	0.04	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	11.478	63.00	2-Chloroethyl Vinyl Ether		28357	6.44	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.665	43.00	4-Methyl-2-Pentanone		44550	0.10	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)		32670189	41.54	ug/kg	
38	12.812	91.00	Toluene (CCC)		156482	0.15	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.897	54.00	Chlorobenzene-d5		7577207	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

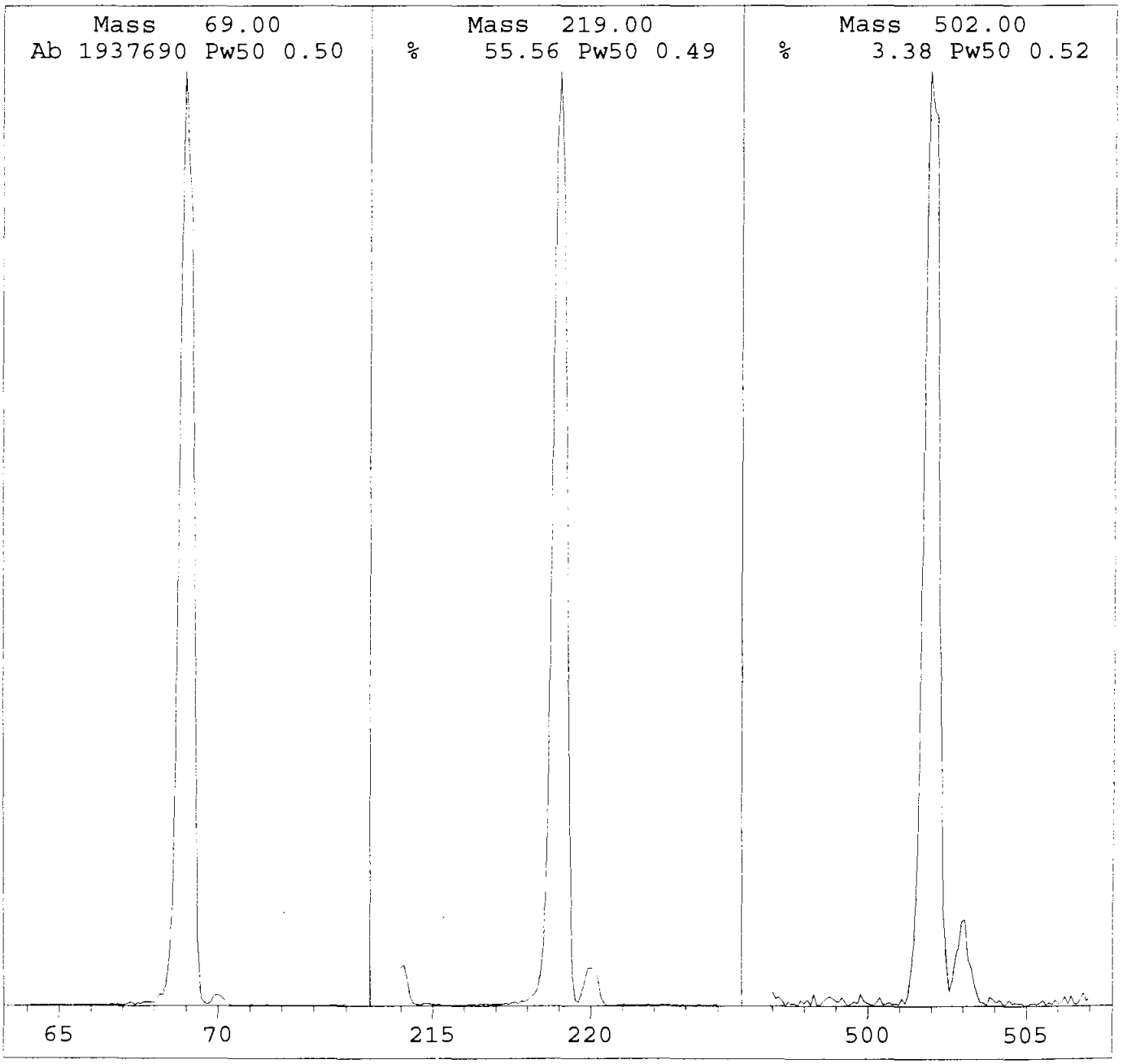
49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	0.000	91.00	Ethylbenzene (CCC)		0	0.00	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.178	152.00	1,4-Dichlorobenzene-d4		16839238	40.00	ug/kg	ISTD
56	0.000	105.00	Isopropylbenzene		0	0.00	ug/kg	
57	16.938	95.00	4-Bromofluorobenzene (SURR)		13475911	34.44	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.692	91.00	n-Propylbenzene		41915	0.02	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.985	91.00	4-Chlorotoluene		28182	0.03	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		17754	0.02	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	19.096	146.00	1,3-Dichlorobenzene		4694	0.01	ug/kg	
70	19.183	146.00	1,4-Dichlorobenzene		56960	0.09	ug/kg	
71	19.550	119.00	p-Isopropyltoluene		25383	0.03	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.183	91.00	n-Butylbenzene		21491	0.03	ug/kg	
74	20.479	157.00	1,2-Dibromo-3-Chloropropane		2655	0.02	ug/kg	

File : C:\HPCHEM\1\DATA\0803\82803.D
Operator : CHARLES M. JOHNSON
Acquired : 3 Aug 95 6:13 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 82803 COMPOSITE OF 1
Misc Info : 82803 COMPOSITE OF 1 0803
Vial Number: 1



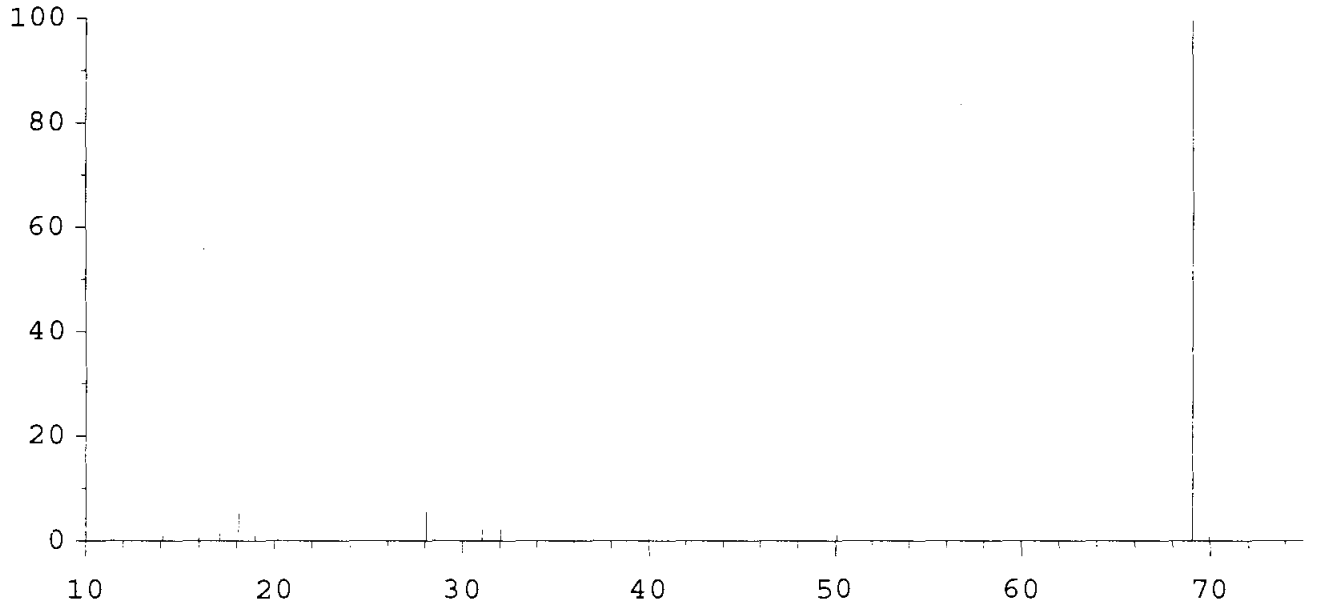
Instrument: 5970 - Instrument1
Fri Aug 04 09:08:51 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2600	AmuGain	89
Xray	56.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	4.0
StepSize	0.10	EntLens	83
MassGain	-211		
MassOffs	15		



HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Fri Aug 04 09:09:56 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
63 peaks Base: 69.05 Abundance: 1810432



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	1810432	100.00	69.95	17376	0.96
18.10	97336	5.38	19.00	34952	35.91
28.05	102488	5.66	29.15	2431	2.37

HP 5970 Air and Water Check : Fri Aug 04 09:09:58 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 60.0
EMV = 2800
Relative abundances:

18/69 =	5.38	Water%
28/69 =	5.66	Nitrogen%
32/69 =	2.29	Oxygen%
44/69 =	0.08	Carbon Dioxide%
18/28 =	94.97	Water/Nitrogen%

4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 9:13
Method	BFB
Misc Info	BFB CHECK
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	2937268	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	705782	24.03	%	
3	6.903	75.00	30% to 60% of 95	1472248	50.12	%	
4	6.903	96.00	5% to 9% of 95	217876	7.42	%	
5	6.920	174.00	> 50% of 95	3404318	115.90	%	
6	6.920	174.00		3404318	100.00	%	ISTD
7	6.920	173.00	< 2% of 174	60619	1.78	%	
8	6.920	175.00	5% to 9% of 174	294158	8.64	%	
9	6.920	176.00	>95% , <101% of 174	3417862	100.40	%	
10	6.920	176.00		3417862	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	236302	6.91	%	

001070

Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/4/95

Compound	Conc.	Area	RF
Chloromethane	39.45	11064350	0.3596
1,1 Dichloroethane	46.36	21642530	0.5985
Chlorobenzene	49.61	54695624	1.1170
Bromoform	46.62	30099152	0.4911
1,1,2,2-Tetrachloroethane	52.87	27444892	0.8590

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	31200408	122.3673
1,4 Difluorobenzene	40	39479675	128.9449
Chlorobenzene - d5	40	12825609	128.7814
1,4-Dichlorobenzene-d4	40	24172843	118.1294

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/04/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	43.74	12.52
1,1-Dichloroethylene	44.38	11.24
Chloroform	48.63	2.74
1,2-Dichloropropane	46.04	7.92
Toluene	50.67	1.34
Ethyl Benzene	50.16	0.32

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:51 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	46.2 ug/kg	
3	Chloromethane (SPCC)	1.44	39.4 ug/kg	
4	Vinyl Chloride (CCC)	1.79	43.7 ug/kg	
5	Bromomethane	2.50	61.9 ug/kg	
6	Chloroethane	2.88	44.7 ug/kg	
7	Trichlorofluoromethane	3.99	42.4 ug/kg	
8	Acrolein	4.17	357.8 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.93	44.4 ug/kg	
10	Carbon Disulfide	5.19	438.3 ug/kg	
11	Iodomethane	4.82	538.9 ug/kg	
12	Acetone	4.50	454.2 ug/kg	
13	Dichloromethane	5.34	50.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	41.8 ug/kg	
15	Acrylonitrile	5.34	410.5 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	46.4 ug/kg	
17	Vinyl Acetate	7.33	502.4 ug/kg	
18	2,2-Dichloropropane	8.05	50.8 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	44.5 ug/kg	
20	Methyl Ethyl Ketone	7.65	442.4 ug/kg	
21	Bromochloromethane	7.88	51.5 ug/kg	
22	Chloroform (CCC)	8.02	48.6 ug/kg	
23	1,1,1-Trichloroethane	9.00	47.6 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	40.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	44.5 ug/kg	

001073

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:51 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	51.9 ug/kg	
28	Benzene	9.60	48.3 ug/kg	
29	1,2-Dichloroethane	8.92	47.7 ug/kg	
30	Trichloroethylene	10.59	49.4 ug/kg	#
31	1,2-Dichloropropane (CCC)	10.50	46.0 ug/kg	
32	Dibromomethane	10.42	40.9 ug/kg	
33	Dichlorobromomethane	10.66	49.4 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	585.9 ug/kg	
35	trans-1,3-Dichloropropene	12.42	49.3 ug/kg	
36	4-Methyl-2-Pentanone	12.01	421.1 ug/kg	
37	Toluene-d8 (SURR)	12.73	42.8 ug/kg	
38	Toluene (CCC)	12.83	50.7 ug/kg	
39	cis-1,3-Dichloropropene	11.71	49.2 ug/kg	
40	Ethyl Methacrylate	13.29	450.1 ug/kg	
41	1,1,2-Trichloroethane	12.56	48.3 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	42.3 ug/kg	
44	1,3-Dichloropropane	12.93	48.5 ug/kg	
45	2-Hexanone	13.37	442.4 ug/kg	
46	Dibromochloromethane	13.21	51.6 ug/kg	
47	1,2-Dibromoethane	13.56	50.7 ug/kg	
48	Chlorobenzene (SPCC)	14.95	49.6 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	51.8 ug/kg	
50	Ethylbenzene (CCC)	15.38	50.2 ug/kg	
51	m,p-Xylene	15.73	104.4 ug/kg	
52	o-Xylene	16.33	50.9 ug/kg	
53	Styrene	16.23	52.4 ug/kg	
54	Bromoform (SPCC)	15.66	46.6 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	50.1 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	41.1 ug/kg	
58	Bromobenzene	17.19	50.5 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	52.9 ug/kg	
60	1,2,3-Trichloropropane	16.54	50.3 ug/kg	
61	n-Propylbenzene	17.71	51.7 ug/kg	
62	2-Chlorotoluene	17.76	52.1 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	515.2 ug/kg	

001071

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:51 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	51.5 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	55.1 ug/kg	
66	tert-Butylbenzene	18.68	51.9 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	52.0 ug/kg	
68	sec-Butylbenzene	19.11	53.9 ug/kg	
69	1,3-Dichlorobenzene	19.08	50.2 ug/kg	
70	1,4-Dichlorobenzene	19.24	49.4 ug/kg	
71	p-Isopropyltoluene	19.55	50.8 ug/kg	
72	1,2-Dichlorobenzene	19.85	51.1 ug/kg	
73	n-Butylbenzene	20.24	51.2 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	54.4 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 10:51
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 50-500 PPB 0804
Bottle Number	1
Number of Compounds	74

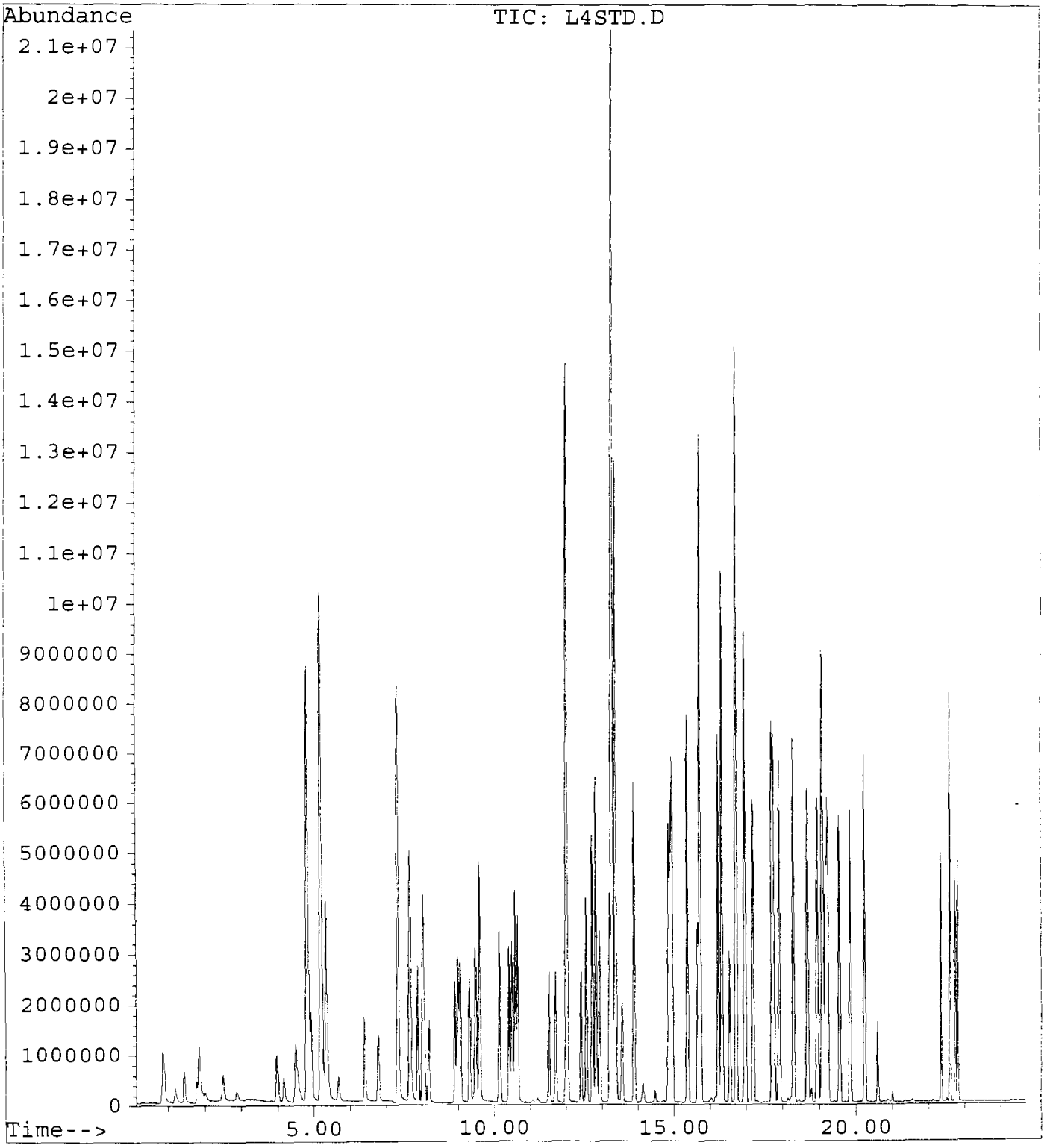
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.069	168.00	Pentafluorobenzene	31200408	40.00	ug/kg	*ISTD
2	1.194	85.00	Dichlorodifluoromethane	5998758	46.18	ug/kg	
3	1.436	50.00	Chloromethane (SPCC)	11064350	39.45	ug/kg	
4	1.786	62.00	Vinyl Chloride (CCC)	8487248	43.74	ug/kg	
5	2.496	94.00	Bromomethane	5770280	61.89	ug/kg	
6	2.884	64.00	Chloroethane	1935317	44.66	ug/kg	
7	3.988	101.00	Trichlorofluoromethane	17720378	42.43	ug/kg	
8	4.166	56.00	Acrolein	9528940	357.79	ug/kg	
9	4.926	61.00	1,1-Dichloroethylene (CCC)	19525079	44.38	ug/kg	
10	5.193	78.00	Carbon Disulfide	26965020	438.31	ug/kg	
11	4.819	127.00	Iodomethane	1.27E+08	538.89	ug/kg	
12	4.503	43.00	Acetone	53109199	454.22	ug/kg	
13	5.342	49.00	Dichloromethane	22610365	50.27	ug/kg	
14	6.395	61.00	trans-1,2-Dichloroethylene	15921702	41.82	ug/kg	
15	5.339	53.00	Acrylonitrile	32171650	410.51	ug/kg	
16	6.780	63.00	1,1-Dichloroethane (SPCC)	21642530	46.36	ug/kg	
17	7.329	86.00	Vinyl Acetate	6853323	502.37	ug/kg	
18	8.054	77.00	2,2-Dichloropropane	24807404	50.77	ug/kg	
19	7.681	61.00	cis-1,2-Dichloroethylene	24187795	44.46	ug/kg	
20	7.654	72.00	Methyl Ethyl Ketone	12747775	442.40	ug/kg	

001076

21	7.883	130.00	Bromochloromethane		10716609	51.52	ug/kg	
22	8.023	83.00	Chloroform (CCC)		32981770	48.63	ug/kg	
23	9.002	97.00	1,1,1-Trichloroethane		31302135	47.57	ug/kg	
24	8.197	113.00	Dibromofluoromethane (SURR)		14734288	40.02	ug/kg	
25	10.153	114.00	1,4-Difluorobenzene		39479675	40.00	ug/kg	ISTD
26	9.322	75.00	1,1-Dichloropropene		22474952	44.45	ug/kg	
27	9.490	117.00	Carbon Tetrachloride		30632147	51.90	ug/kg	
28	9.600	78.00	Benzene		58718017	48.34	ug/kg	
29	8.916	62.00	1,2-Dichloroethane		29940714	47.66	ug/kg	
30	10.589	130.00	Trichloroethylene		19907656	49.40	ug/kg	
31	10.501	63.00	1,2-Dichloropropane (CCC)		18733764	46.04	ug/kg	
32	10.421	174.00	Dibromomethane		17687455	40.94	ug/kg	
33	10.656	83.00	Dichlorobromomethane		32308457	49.43	ug/kg	
34	11.524	63.00	2-Chloroethyl Vinyl Ether		15499351	585.89	ug/kg	
35	12.415	75.00	trans-1,3-Dichloropropene		26202518	49.35	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		2.3E+08	421.11	ug/kg	
37	12.727	98.00	Toluene-d8 (SURR)		50802876	42.78	ug/kg	
38	12.828	91.00	Toluene (CCC)		73495071	50.67	ug/kg	
39	11.706	75.00	cis-1,3-Dichloropropene		28537875	49.19	ug/kg	
40	13.286	99.00	Ethyl Methacrylate		48689492	450.08	ug/kg	
41	12.560	97.00	1,1,2-Trichloroethane		18298422	48.27	ug/kg	
42	14.904	54.00	Chlorobenzene-d5		12825609	40.00	ug/kg	ISTD
43	13.893	166.00	Tetrachloroethylene		32901652	42.27	ug/kg	
44	12.932	76.00	1,3-Dichloropropane		28235075	48.52	ug/kg	
45	13.371	43.00	2-Hexanone		1.73E+08	442.38	ug/kg	
46	13.213	129.00	Dibromochloromethane		29223355	51.61	ug/kg	
47	13.556	107.00	1,2-Dibromoethane		21013925	50.69	ug/kg	
48	14.955	112.00	Chlorobenzene (SPCC)		54695624	49.61	ug/kg	

49	14.858	131.00	1,1,1,2-Tetrachloroethane	26863982	51.78	ug/kg	
50	15.376	91.00	Ethylbenzene (CCC)	92698682	50.16	ug/kg	
51	15.729	106.00	m,p-Xylene	61861589	104.44	ug/kg	
52	16.334	91.00	o-Xylene	78912425	50.92	ug/kg	
53	16.227	104.00	Styrene	51827406	52.35	ug/kg	
54	15.665	173.00	Bromoform (SPCC)	30099152	46.62	ug/kg	
55	19.185	152.00	1,4-Dichlorobenzene-d4	24172843	40.00	ug/kg	ISTD
56	16.972	105.00	Isopropylbenzene	75721416	50.08	ug/kg	
57	16.945	95.00	4-Bromofluorobenzene (SURR)	23078116	41.09	ug/kg	
58	17.192	158.00	Bromobenzene	29217152	50.53	ug/kg	
59	16.321	83.00	1,1,2,2-Tetrachloroethane (SPCC)	27444892	52.87	ug/kg	
60	16.544	75.00	1,2,3-Trichloropropane	22889615	50.26	ug/kg	
61	17.711	91.00	n-Propylbenzene	1.61E+08	51.74	ug/kg	
62	17.757	126.00	2-Chlorotoluene	21190762	52.09	ug/kg	
63	16.720	75.00	1,4-Dichloro-2-Butene	67743916	515.19	ug/kg	
64	17.907	91.00	4-Chlorotoluene	64625880	51.51	ug/kg	
65	18.296	105.00	1,3,5-Trimethylbenzene	70567671	55.12	ug/kg	
66	18.684	119.00	tert-Butylbenzene	54273942	51.86	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene	27788994	51.97	ug/kg	
68	19.109	105.00	sec-Butylbenzene	76364236	53.89	ug/kg	
69	19.083	146.00	1,3-Dichlorobenzene	43348958	50.22	ug/kg	
70	19.236	146.00	1,4-Dichlorobenzene	43875418	49.41	ug/kg	
71	19.555	119.00	p-Isopropyltoluene	59001260	50.75	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene	42031190	51.05	ug/kg	
73	20.243	91.00	n-Butylbenzene	58868842	51.17	ug/kg	
74	20.601	157.00	1,2-Dibromo-3-Chloropropane	8323168	54.37	ug/kg	

File : C:\HPCHEM\1\DATA\0804\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:51 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 12:45
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	100.5 %	80 - 120
Toluene-d8	103.8 %	81 - 117
4-Bromofluorobenzene	83.8 %	74 - 121

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:08 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.22	0.3 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	4.00	0.0 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.81	0.4 ug/kg	
12	Acetone	4.51	5.8 ug/kg	#
13	Dichloromethane	5.35	-7.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.49	0.2 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.04	0.1 ug/kg	#
23	1,1,1-Trichloroethane	***** NOT FOUND *****		
24	Dibromofluoromethane (SURR)	8.20	40.2 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:08 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.0 ug/kg	#
29	1,2-Dichloroethane	9.05	-0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.57	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	11.46	4.4 ug/kg	#
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.98	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	41.5 ug/kg	
38	Toluene (CCC)	12.83	0.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	15.73	0.1 ug/kg	
52	o-Xylene	***** NOT FOUND *****		
53	Styrene	16.29	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.0 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	33.5 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:08 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	18.11	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.33	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.98	0.1 ug/kg	#
68	sec-Butylbenzene	19.25	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	19.85	0.0 ug/kg	#
73	n-Butylbenzene	20.25	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 10:08
Method	8260LLS
Misc Info	BLANK 0804
Bottle Number	1
Number of Compounds	74

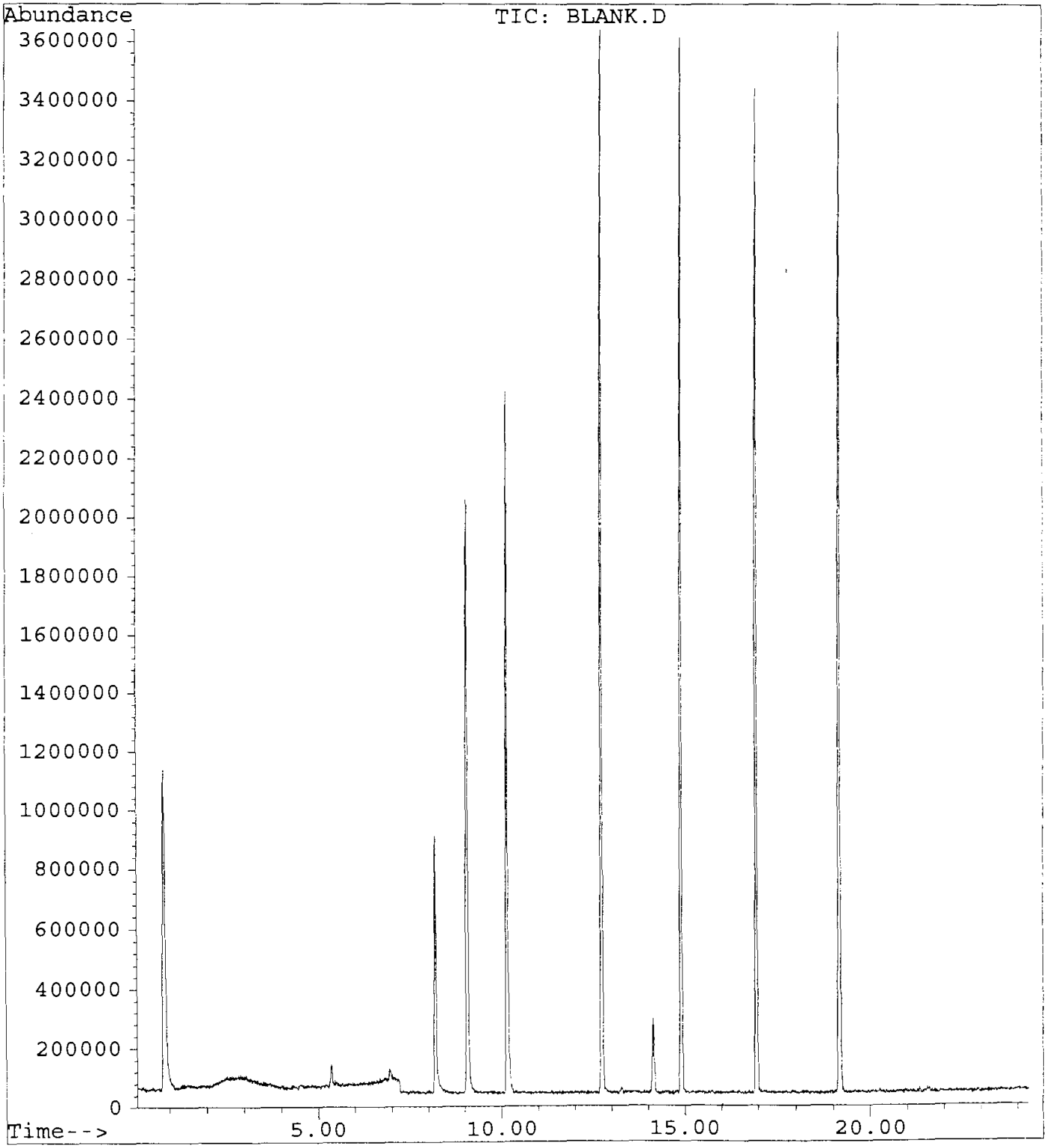
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	23564304	40.00	ug/kg	*ISTD
2	1.225	85.00	Dichlorodifluoromethane	28676	0.27	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.999	101.00	Trichlorofluoromethane	10563	0.03	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.805	127.00	Iodomethane	53513	0.38	ug/kg	
12	4.512	43.00	Acetone	455695	5.82	ug/kg	
13	5.350	49.00	Dichloromethane	1049213	-7.48	ug/kg	
14	6.490	61.00	trans-1,2-Dichloroethylene	48757	0.18	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.035	83.00	Chloroform (CCC)		70610	0.13	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane		0	0.00	ug/kg	
24	8.198	113.00	Dibromofluoromethane (SURR)		8589204	40.22	ug/kg	
25	10.151	114.00	1,4-Difluorobenzene		28709082	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.598	78.00	Benzene		36862	0.04	ug/kg	
29	9.054	62.00	1,2-Dichloroethane		-22036	-0.05	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.571	83.00	Dichlorobromomethane		29971	0.06	ug/kg	
34	11.460	63.00	2-Chloroethyl Vinyl Ether		21299	4.45	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.979	43.00	4-Methyl-2-Pentanone		25513	0.05	ug/kg	
37	12.725	98.00	Toluene-d8 (SURR)		35821234	41.48	ug/kg	
38	12.832	91.00	Toluene (CCC)		84952	0.07	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		8764690	40.00	ug/kg	ISTD
43	13.888	166.00	Tetrachloroethylene		36928	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.362	91.00	Ethylbenzene (CCC)		28826	0.02	ug/kg	
51	15.728	106.00	m,p-Xylene		29772	0.07	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	16.295	104.00	Styrene		36353	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.183	152.00	1,4-Dichlorobenzene-d4		19793686	40.00	ug/kg	ISTD
56	16.943	105.00	Isopropylbenzene		49965	0.04	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		15413329	33.52	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	18.109	91.00	4-Chlorotoluene		11814	0.01	ug/kg	
65	18.331	105.00	1,3,5-Trimethylbenzene		29504	0.03	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.983	120.00	1,2,4-Trimethylbenzene		23460	0.05	ug/kg	
68	19.249	105.00	sec-Butylbenzene		1728	0.00	ug/kg	
69	19.080	146.00	1,3-Dichlorobenzene		26446	0.04	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	19.854	146.00	1,2-Dichlorobenzene		26067	0.04	ug/kg	
73	20.249	91.00	n-Butylbenzene		48563	0.06	ug/kg	
74	20.587	157.00	1,2-Dibromo-3-Chloropropane		10099	0.07	ug/kg	

001087

File : C:\HPCHEM\1\DATA\0804\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 10:08 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0003(A-B)
Control No.: 83055
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 14:17
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	67	67
Acrolein	<	67	67
Acrylonitrile	<	67	67
Benzene	<	7	7
Bromodichloromethane	<	7	7
Bromoform	<	7	7
Bromomethane	<	7	7
2-Butanone (MEK)	<	67	67
Carbon disulfide	<	7	7
Carbon tetrachloride	<	7	7
Chlorobenzene	<	7	7
Chloroethane	<	7	7
2-Chloroethylvinyl ether	<	27	27
Chloroform	<	7	7
Chloromethane	<	7	7
Dibromochloromethane	<	7	7
1,2-Dibromoethane (EDB)	<	7	7
Dibromomethane	<	7	7
trans-1,4-Dichloro-2-butene	<	33	33
Dichlorodifluoromethane	<	7	7
1,1-Dichloroethane	<	7	7
1,2-Dichloroethane	<	7	7
trans-1,2-Dichloroethene	<	7	7
1,1-Dichloroethene	<	7	7
1,2-Dichloropropane	<	7	7
cis-1,3-Dichloropropene	<	7	7
trans-1,3-Dichloropropene	<	7	7
Ethylbenzene	<	7	7
Ethyl methacrylate	<	20	20
2-Hexanone	<	67	67
Iodomethane	<	7	7
Methylene chloride (Dichloromethane)	<	7	7
4-Methyl-2-pentanone (MIBK)	<	67	67

Styrene	<	7	7
1,1,2,2-Tetrachloroethane	<	7	7
Tetrachloroethene	<	7	7
Toluene	<	7	7
1,1,1-Trichloroethane	<	7	7
1,1,2-Trichloroethane	<	7	7
Trichloroethene	<	7	7
Trichlorofluoromethane	<	7	7
1,2,3-Trichloropropane	<	7	7
Vinyl acetate	<	40	40
Vinyl chloride	<	7	7
Xylenes	<	7	7

Surrogate Recoveries		**Range**
Dibromofluoromethane	95.2 %	80 - 120
Toluene-d8	109.5 %	81 - 117
4-Bromofluorobenzene	99.6 %	74 - 121

Percent Solids	75.0 %

Approved by:

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83055.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 83055 COMPOSITE OF 2
Misc Info : 83055 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	5.00	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.46	19.7 ug/kg	
13	Dichloromethane	5.32	0.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.38	0.1 ug/kg	#
15	Acrylonitrile	5.34	0.7 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.18	2.8 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	#
23	1,1,1-Trichloroethane	8.99	1.3 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	38.1 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83055.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 83055 COMPOSITE OF 2
Misc Info : 83055 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.58	0.0 ug/kg	#
29	1,2-Dichloroethane	9.05	0.1 ug/kg	#
30	Trichloroethylene	10.58	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.68	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.72	43.8 ug/kg	
38	Toluene (CCC)	12.82	1.6 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.38	0.9 ug/kg	
46	Dibromochloromethane	13.27	0.1 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.5 ug/kg	
52	o-Xylene	16.32	0.1 ug/kg	#
53	Styrene	16.24	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	39.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83055.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:17 pm using AcqMethod 8260LLS
Sample Name: 83055 COMPOSITE OF 2
Misc Info : 83055 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	0.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	1.3 ug/kg	
66	tert-Butylbenzene	18.67	0.2 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	0.6 ug/kg	#
68	sec-Butylbenzene	19.10	1.0 ug/kg	
69	1,3-Dichlorobenzene	19.07	0.2 ug/kg	#
70	1,4-Dichlorobenzene	19.23	0.2 ug/kg	
71	p-Isopropyltoluene	19.54	0.4 ug/kg	
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

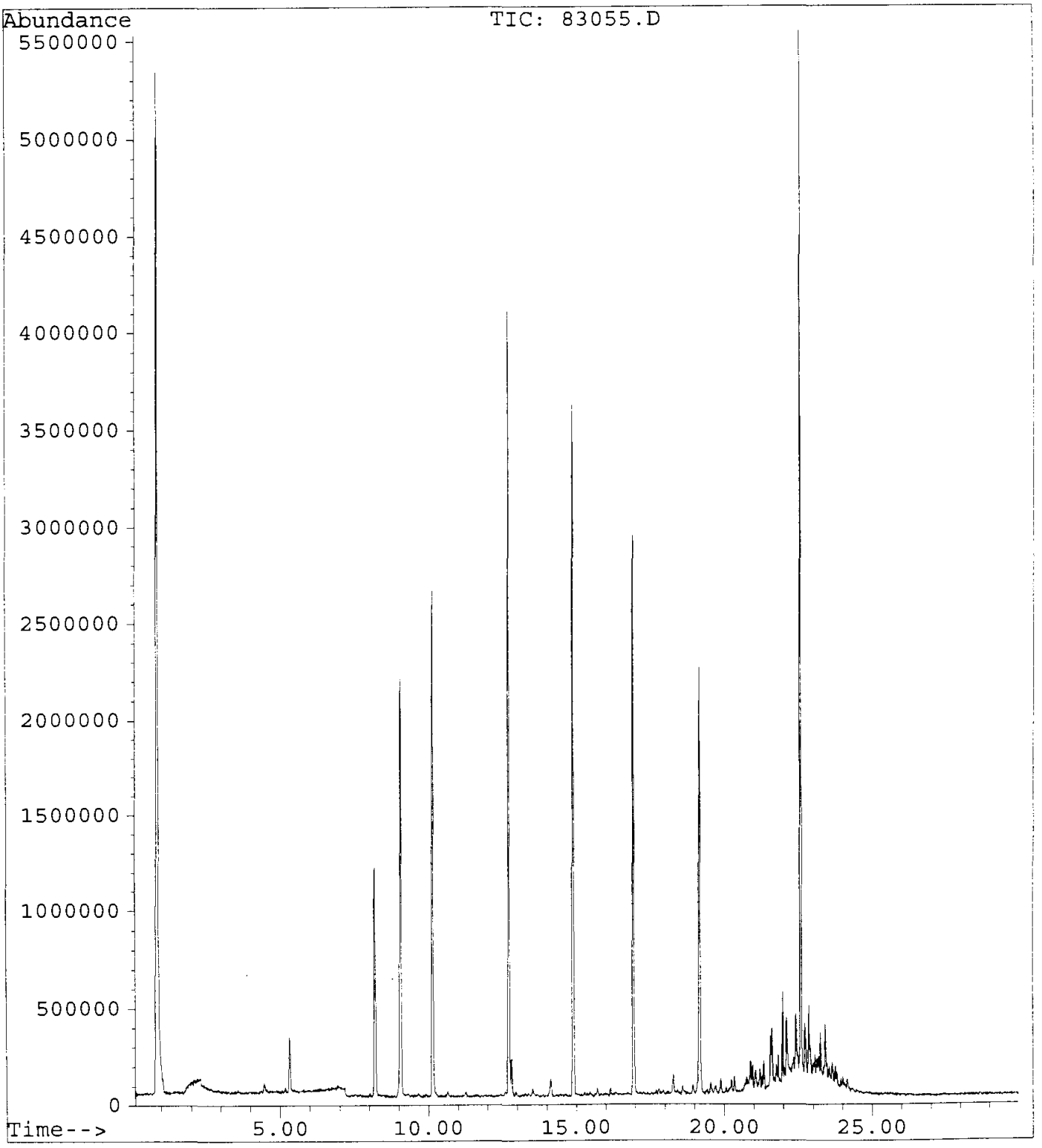
File Name	83055.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 14:17
Method	8260LLS
Misc Info	83055 COMPOSITE OF 2 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.060	168.00	Pentafluorobenzene	24622351	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	5.000	61.00	1,1-Dichloroethylene (CCC)	33176	0.10	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.465	43.00	Acetone	1621636	19.75	ug/kg	
13	5.325	49.00	Dichloromethane	2987437	0.50	ug/kg	
14	6.384	61.00	trans-1,2-Dichloroethylene	37821	0.13	ug/kg	
15	5.335	53.00	Acrylonitrile	36709	0.66	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.181	86.00	Vinyl Acetate	19402	2.82	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.011	83.00	Chloroform (CCC)		137911	0.24	ug/kg	
23	8.992	97.00	1,1,1-Trichloroethane		685478	1.31	ug/kg	
24	8.188	113.00	Dibromofluoromethane (SURR)		11056940	38.06	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		29740983	40.00	ug/kg	ISTD
26	9.290	75.00	1,1-Dichloropropene		85671	0.23	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.583	78.00	Benzene		26552	0.03	ug/kg	
29	9.047	62.00	1,2-Dichloroethane		51297	0.12	ug/kg	
30	10.577	130.00	Trichloroethylene		45044	0.15	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.681	83.00	Dichlorobromomethane		25001	0.05	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone		0	0.00	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		39191385	43.81	ug/kg	
38	12.820	91.00	Toluene (CCC)		1978198	1.64	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.897	54.00	Chlorobenzene-d5		8556421	40.00	ug/kg	ISTD
43	13.878	166.00	Tetrachloroethylene		35732	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.376	43.00	2-Hexanone		239895	0.86	ug/kg	
46	13.272	129.00	Dibromochloromethane		21145	0.06	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.952	112.00	Chlorobenzene (SPCC)		29073	0.04	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.374	91.00	Ethylbenzene (CCC)		106710	0.09	ug/kg	
51	15.725	106.00	m,p-Xylene		186701	0.47	ug/kg	
52	16.323	91.00	o-Xylene		117055	0.11	ug/kg	
53	16.236	104.00	Styrene		27697	0.04	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.179	152.00	1,4-Dichlorobenzene-d4		11552091	40.00	ug/kg	ISTD
56	16.966	105.00	Isopropylbenzene		274167	0.34	ug/kg	
57	16.938	95.00	4-Bromofluorobenzene (SURR)		13441127	39.82	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.711	91.00	n-Propylbenzene		195755	0.12	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.896	91.00	4-Chlorotoluene		94430	0.15	ug/kg	
65	18.288	105.00	1,3,5-Trimethylbenzene		811386	1.30	ug/kg	
66	18.672	119.00	tert-Butylbenzene		112581	0.23	ug/kg	
67	18.949	120.00	1,2,4-Trimethylbenzene		158268	0.62	ug/kg	
68	19.102	105.00	sec-Butylbenzene		625832	0.98	ug/kg	
69	19.070	146.00	1,3-Dichlorobenzene		74719	0.18	ug/kg	
70	19.232	146.00	1,4-Dichlorobenzene		99977	0.24	ug/kg	
71	19.543	119.00	p-Isopropyltoluene		219761	0.43	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.234	91.00	n-Butylbenzene		164941	0.35	ug/kg	
74	20.592	157.00	1,2-Dibromo-3-Chloropropane		12590	0.15	ug/kg	

File : C:\HPCHEM\1\DATA\0804\83055.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:17 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83055 COMPOSITE OF 2
Misc Info : 83055 COMPOSITE OF 2 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0004(A-B)
Control No.: 83053
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 13:31
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	56	56
Acrolein	<	56	56
Acrylonitrile	<	56	56
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	56	56
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	28	28
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	56	56
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	56	56

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	33	33
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	98.0 %	80 - 120
Toluene-d8	106.5 %	81 - 117
4-Bromofluorobenzene	134.8 %	74 - 121

Percent Solids	90.0 %

Approved by: Jerry Horvath

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 1:31 pm using AcqMethod 8260LLS
Sample Name: 83053 COMPOSITE OF 2
Misc Info : 83053 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.44	0.3 ug/kg	
4	Vinyl Chloride (CCC)	1.87	0.1 ug/kg	#
5	Bromomethane	2.55	0.4 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.94	0.2 ug/kg	
8	Acrolein	4.14	3.5 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.16	1.4 ug/kg	
11	Iodomethane	4.82	0.4 ug/kg	
12	Acetone	4.48	25.1 ug/kg	
13	Dichloromethane	5.32	-0.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.40	0.1 ug/kg	#
15	Acrylonitrile	5.33	-0.0 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.66	4.1 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.5 ug/kg	
23	1,1,1-Trichloroethane	9.00	1.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	39.2 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.2 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 1:31 pm using AcqMethod 8260LLS
Sample Name: 83053 COMPOSITE OF 2
Misc Info : 83053 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	0.1 ug/kg	#
28	Benzene	9.60	0.2 ug/kg	#
29	1,2-Dichloroethane	9.03	0.2 ug/kg	#
30	Trichloroethylene	10.60	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	1.4 ug/kg	
37	Toluene-d8 (SURR)	12.72	42.6 ug/kg	
38	Toluene (CCC)	12.82	6.9 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.29	0.9 ug/kg	
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.2 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.8 ug/kg	
51	m,p-Xylene	15.72	6.5 ug/kg	
52	o-Xylene	16.33	2.2 ug/kg	
53	Styrene	16.22	0.1 ug/kg	#
54	Bromoform (SPCC)	15.66	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.6 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	53.9 ug/kg	
58	Bromobenzene	17.18	0.2 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.53	0.1 ug/kg	#
61	n-Propylbenzene	17.71	0.6 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 1:31 pm using AcqMethod 8260LLS
Sample Name: 83053 COMPOSITE OF 2
Misc Info : 83053 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	0.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	4.3 ug/kg	
66	tert-Butylbenzene	18.67	0.2 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	6.9 ug/kg	
68	sec-Butylbenzene	19.10	0.5 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.3 ug/kg	
70	1,4-Dichlorobenzene	19.23	0.4 ug/kg	#
71	p-Isopropyltoluene	19.55	0.6 ug/kg	
72	1,2-Dichlorobenzene	19.85	0.4 ug/kg	
73	n-Butylbenzene	20.24	0.9 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.58	0.7 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

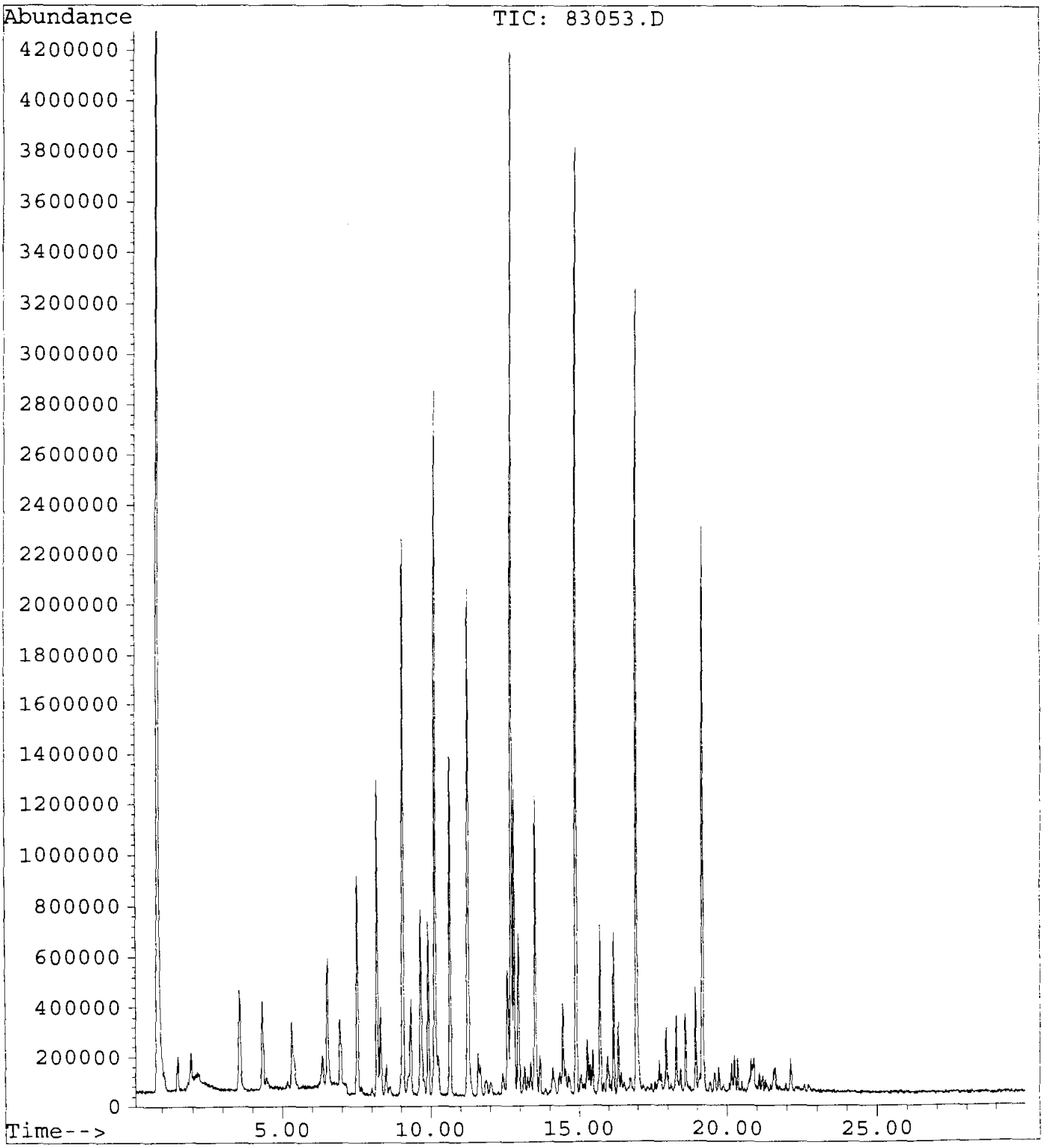
File Name	83053.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 13:31
Method	8260LLS
Misc Info	83053 COMPOSITE OF 2 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.065	168.00	Pentafluorobenzene	24897771	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.437	50.00	Chloromethane (SPCC)	64443	0.26	ug/kg	
4	1.865	62.00	Vinyl Chloride (CCC)	21717	0.13	ug/kg	
5	2.551	94.00	Bromomethane	32975	0.44	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.943	101.00	Trichlorofluoromethane	60861	0.18	ug/kg	
8	4.141	56.00	Acrolein	69517	3.50	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.163	78.00	Carbon Disulfide	72354	1.40	ug/kg	
11	4.820	127.00	Iodomethane	59122	0.40	ug/kg	
12	4.478	43.00	Acetone	2084113	25.06	ug/kg	
13	5.324	49.00	Dichloromethane	2816951	-0.33	ug/kg	
14	6.401	61.00	trans-1,2-Dichloroethylene	26164	0.09	ug/kg	
15	5.330	53.00	Acrylonitrile	-1984	-0.04	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.663	72.00	Methyl Ethyl Ketone	86639	4.12	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.018	83.00	Chloroform (CCC)		291844	0.50	ug/kg	
23	8.996	97.00	1,1,1-Trichloroethane		970865	1.84	ug/kg	
24	8.191	113.00	Dibromofluoromethane (SURR)		11522951	39.22	ug/kg	
25	10.149	114.00	1,4-Difluorobenzene		31628389	40.00	ug/kg	ISTD
26	9.292	75.00	1,1-Dichloropropene		61096	0.15	ug/kg	
27	9.489	117.00	Carbon Tetrachloride		48580	0.11	ug/kg	
28	9.599	78.00	Benzene		223050	0.23	ug/kg	
29	9.034	62.00	1,2-Dichloroethane		82167	0.18	ug/kg	
30	10.598	130.00	Trichloroethylene		29280	0.09	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.015	43.00	4-Methyl-2-Pentanone		768675	1.43	ug/kg	
37	12.720	98.00	Toluene-d8 (SURR)		40546421	42.62	ug/kg	
38	12.821	91.00	Toluene (CCC)		8761378	6.90	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.286	99.00	Ethyl Methacrylate		85493	0.87	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.899	54.00	Chlorobenzene-d5		9577147	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		104925	0.17	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.943	112.00	Chlorobenzene (SPCC)		117986	0.15	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane	0	0.00	ug/kg	
50	15.369	91.00	Ethylbenzene (CCC)	1035796	0.78	ug/kg	
51	15.716	106.00	m,p-Xylene	2874608	6.47	ug/kg	
52	16.330	91.00	o-Xylene	2559752	2.21	ug/kg	
53	16.222	104.00	Styrene	71930	0.10	ug/kg	
54	15.659	173.00	Bromoform (SPCC)	39052	0.09	ug/kg	
55	19.181	152.00	1,4-Dichlorobenzene-d4	11948343	40.00	ug/kg	ISTD
56	16.963	105.00	Isopropylbenzene	530524	0.63	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)	14965091	53.91	ug/kg	
58	17.182	158.00	Bromobenzene	59608	0.19	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)	0	0.00	ug/kg	
60	16.529	75.00	1,2,3-Trichloropropane	35431	0.14	ug/kg	
61	17.708	91.00	n-Propylbenzene	1056738	0.64	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.901	91.00	4-Chlorotoluene	130743	0.20	ug/kg	
65	18.292	105.00	1,3,5-Trimethylbenzene	2752787	4.26	ug/kg	
66	18.669	119.00	tert-Butylbenzene	121790	0.24	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene	1804856	6.87	ug/kg	
68	19.104	105.00	sec-Butylbenzene	316857	0.48	ug/kg	
69	19.080	146.00	1,3-Dichlorobenzene	125586	0.29	ug/kg	
70	19.231	146.00	1,4-Dichlorobenzene	154464	0.35	ug/kg	
71	19.549	119.00	p-Isopropyltoluene	337362	0.64	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene	149864	0.38	ug/kg	
73	20.235	91.00	n-Butylbenzene	452446	0.92	ug/kg	
74	20.575	157.00	1,2-Dibromo-3-Chloropropane	58611	0.66	ug/kg	

File : C:\HPCHEM\1\DATA\0804\83053.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 1:31 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83053 COMPOSITE OF 2
Misc Info : 83053 COMPOSITE OF 2 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0004(A-B)
Control No.: 83053A
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 14:58
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	56	56
Acrolein	<	56	56
Acrylonitrile	<	56	56
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	56	56
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	28	28
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	56	56
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	56	56

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	33	33
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	98.5 %	80 - 120
Toluene-d8	106.0 %	81 - 117
4-Bromofluorobenzene	105.3 %	74 - 121

Percent Solids	90.0 %

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:58 pm using AcqMethod 8260LLS
Sample Name: 83053A COMPOSITE OF 2
Misc Info : 83053A COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

DRAFT

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	0.3 ug/kg	#
3	Chloromethane (SPCC)	1.43	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.16	0.2 ug/kg	#
11	Iodomethane	4.80	0.3 ug/kg	#
12	Acetone	4.46	17.0 ug/kg	
13	Dichloromethane	5.32	0.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.53	0.1 ug/kg	#
15	Acrylonitrile	5.33	0.3 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.54	0.0 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.3 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	39.4 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	0.1 ug/kg	#

001100

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:58 pm using AcqMethod 8260LLS
Sample Name: 83053A COMPOSITE OF 2
Misc Info : 83053A COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	8.98	-0.2 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.62	0.1 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.67	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.89	0.3 ug/kg	#
37	Toluene-d8 (SURR)	12.72	42.4 ug/kg	
38	Toluene (CCC)	12.82	4.4 ug/kg	
39	cis-1,3-Dichloropropene	11.67	0.1 ug/kg	#
40	Ethyl Methacrylate	13.16	0.1 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	13.66	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	14.95	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.4 ug/kg	
51	m,p-Xylene	15.71	2.7 ug/kg	
52	o-Xylene	16.33	0.9 ug/kg	
53	Styrene	16.22	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	42.1 ug/kg	
58	Bromobenzene	17.19	0.1 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	16.38	0.1 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.2 ug/kg	
62	2-Chlorotoluene	17.90	0.0 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83053A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:58 pm using AcqMethod 8260LLS
Sample Name: 83053A COMPOSITE OF 2
Misc Info : 83053A COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.95	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	1.3 ug/kg	
66	tert-Butylbenzene	18.66	0.1 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	2.0 ug/kg	
68	sec-Butylbenzene	19.09	0.2 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.20	~~22881.~~7 ug/kg	#
71	p-Isopropyltoluene	19.55	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.1 ug/kg	#
73	n-Butylbenzene	20.24	0.2 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.48	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

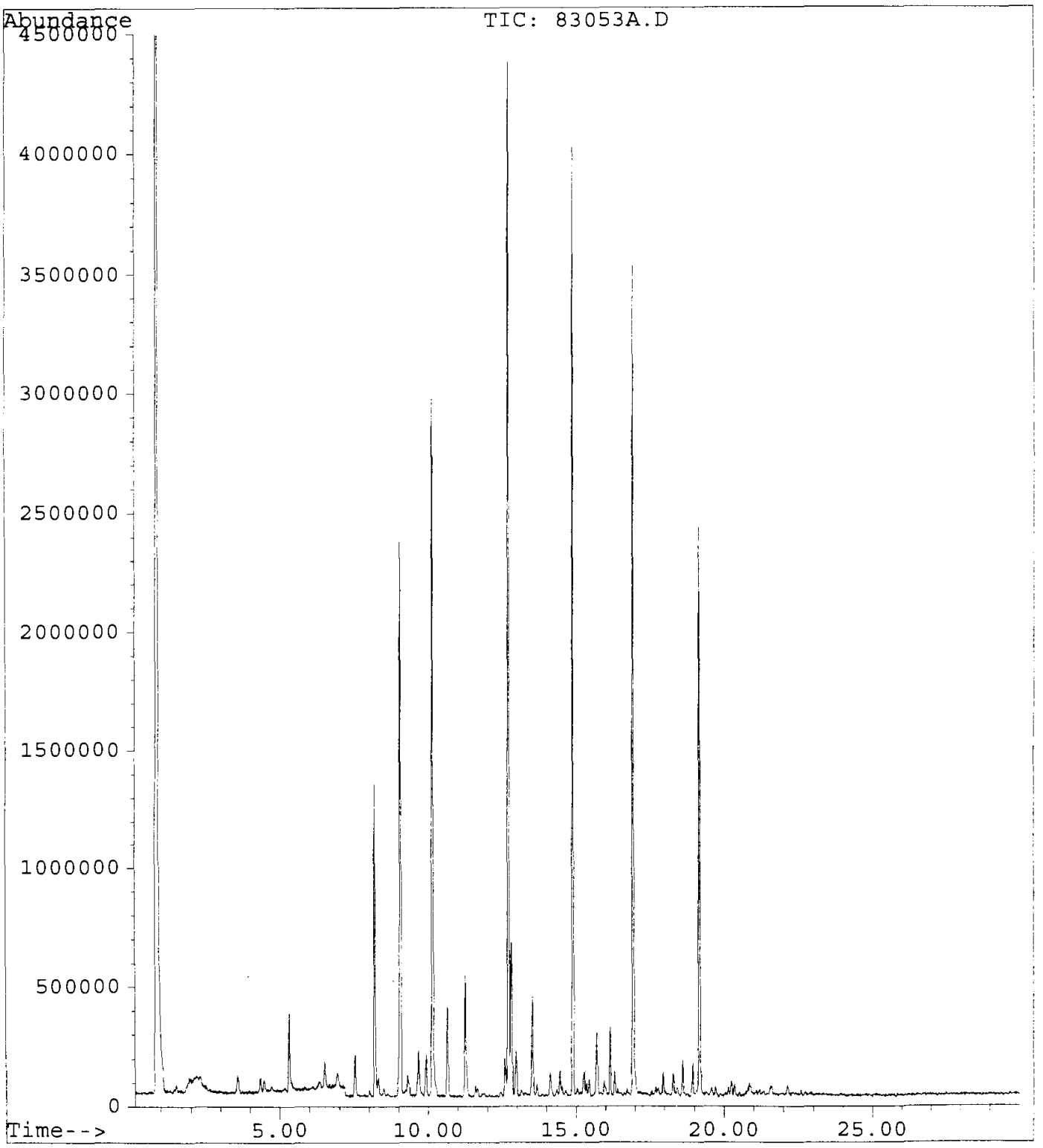
File Name	83053A.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 14:58
Method	8260LLS
Misc Info	83053A COMPOSITE OF 2 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.058	168.00	Pentafluorobenzene	26264244	40.00	ug/kg	*ISTD
2	1.193	85.00	Dichlorodifluoromethane	30021	0.26	ug/kg	
3	1.431	50.00	Chloromethane (SPCC)	48145	0.18	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.165	78.00	Carbon Disulfide	12029	0.22	ug/kg	
11	4.802	127.00	Iodomethane	52330	0.34	ug/kg	
12	4.460	43.00	Acetone	1487185	16.99	ug/kg	
13	5.320	49.00	Dichloromethane	3295678	0.91	ug/kg	
14	6.526	61.00	trans-1,2-Dichloroethylene	20659	0.07	ug/kg	
15	5.329	53.00	Acrylonitrile	14832	0.25	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.537	61.00	cis-1,2-Dichloroethylene	21894	0.05	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.008	83.00	Chloroform (CCC)		202412	0.33	ug/kg	
23	8.987	97.00	1,1,1-Trichloroethane		776506	1.39	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		12219619	39.43	ug/kg	
25	10.144	114.00	1,4-Difluorobenzene		33257295	40.00	ug/kg	ISTD
26	9.314	75.00	1,1-Dichloropropene		38634	0.09	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.596	78.00	Benzene		140265	0.14	ug/kg	
29	8.981	62.00	1,2-Dichloroethane		-86572	-0.18	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	10.621	63.00	1,2-Dichloropropane (CCC)		27613	0.08	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.671	83.00	Dichlorobromomethane		2057	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.890	43.00	4-Methyl-2-Pentanone		182993	0.32	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		42380492	42.36	ug/kg	
38	12.818	91.00	Toluene (CCC)		5891374	4.39	ug/kg	
39	11.666	75.00	cis-1,3-Dichloropropene		24309	0.06	ug/kg	
40	13.160	99.00	Ethyl Methacrylate		11884	0.12	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.894	54.00	Chlorobenzene-d5		9536955	40.00	ug/kg	ISTD
43	13.869	166.00	Tetrachloroethylene		50477	0.08	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	13.663	107.00	1,2-Dibromoethane		23334	0.08	ug/kg	
48	14.949	112.00	Chlorobenzene (SPCC)		83469	0.10	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.368	91.00	Ethylbenzene (CCC)		501246	0.38	ug/kg	
51	15.714	106.00	m,p-Xylene		1188222	2.69	ug/kg	
52	16.327	91.00	o-Xylene		1005434	0.87	ug/kg	
53	16.215	104.00	Styrene		37324	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.178	152.00	1,4-Dichlorobenzene-d4		12424303	40.00	ug/kg	ISTD
56	16.953	105.00	Isopropylbenzene		257315	0.29	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)		15935620	42.13	ug/kg	
58	17.193	158.00	Bromobenzene		25028	0.08	ug/kg	
59	16.385	83.00	1,1,2,2-Tetrachloroethane (SPCC)		25021	0.08	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.706	91.00	n-Propylbenzene		300750	0.18	ug/kg	
62	17.896	126.00	2-Chlorotoluene		6591	0.03	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.949	91.00	4-Chlorotoluene		163510	0.24	ug/kg	
65	18.291	105.00	1,3,5-Trimethylbenzene		846828	1.26	ug/kg	
66	18.663	119.00	tert-Butylbenzene		40645	0.08	ug/kg	
67	18.947	120.00	1,2,4-Trimethylbenzene		543245	1.99	ug/kg	
68	19.095	105.00	sec-Butylbenzene		132122	0.19	ug/kg	
69	19.074	146.00	1,3-Dichlorobenzene		41117	0.09	ug/kg	
70	19.200	146.00	1,4-Dichlorobenzene	(& cnt)	-1452	~~22881.74~~	ug/kg	
71	19.547	119.00	p-Isopropyltoluene		99572	0.18	ug/kg	
72	19.840	146.00	1,2-Dichlorobenzene		30881	0.07	ug/kg	
73	20.235	91.00	n-Butylbenzene		120784	0.24	ug/kg	
74	20.480	157.00	1,2-Dibromo-3-Chloropropane		11706	0.13	ug/kg	

File : C:\HPCHEM\1\DATA\0804\83053A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 2:58 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83053A COMPOSITE OF 2
Misc Info : 83053A COMPOSITE OF 2 0804
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950728-FW-IW-SL0002(A-B)
Control No.: 83057
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 4-Aug-95 15:39
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	60	60
Acrolein	<	60	60
Acrylonitrile	<	60	60
Benzene		71	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	60	60
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	30	30
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene		1723 *	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	60	60
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	60	60

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		33	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	36	36
Vinyl chloride	<	6	6
Xylenes		2456 *	5

Surrogate Recoveries		Range
Dibromofluoromethane	99.2 %	80 - 120
Toluene-d8	102.0 %	81 - 117
4-Bromofluorobenzene	117.6 %	74 - 121

Percent Solids 83.0 %

Approved by: Jerry Howcastle

* Times 25 dilution, see control # 83057B

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83057.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 3:39 pm using AcqMethod 8260LLS
Sample Name: 83057 COMPOSITE OF 2
Misc Info : 83057 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	58.9 ug/kg	
29	1,2-Dichloroethane	9.04	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.36	0.0 ug/kg	#
36	4-Methyl-2-Pentanone	12.01	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	40.8 ug/kg	
38	Toluene (CCC)	12.82	27.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	
44	1,3-Dichloropropane	12.81	0.3 ug/kg	#
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.96	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	14.72	0.1 ug/kg	#
50	Ethylbenzene (CCC)	15.37	158.0 ug/kg	
51	m,p-Xylene	15.72	257.3 ug/kg	
52	o-Xylene	16.32	93.1 ug/kg	
53	Styrene	16.22	0.8 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	85.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	47.1 ug/kg	
58	Bromobenzene	17.16	0.0 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.70	13.7 ug/kg	
62	2-Chlorotoluene	17.90	0.0 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83057.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 3:39 pm using AcqMethod 8260LLS
Sample Name: 83057 COMPOSITE OF 2
Misc Info : 83057 COMPOSITE OF 2 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.95 (Part)	25.8 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	247.1 ug/kg	
66	tert-Butylbenzene	18.68	3.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	366.8 ug/kg	
68	sec-Butylbenzene	19.10	39.7 ug/kg	
69	1,3-Dichlorobenzene	19.07	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.24	0.1 ug/kg	#
71	p-Isopropyltoluene	19.56	34.0 ug/kg	
72	1,2-Dichlorobenzene	19.85	0.1 ug/kg	
73	n-Butylbenzene	20.23 (Part)	28.2 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.60	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

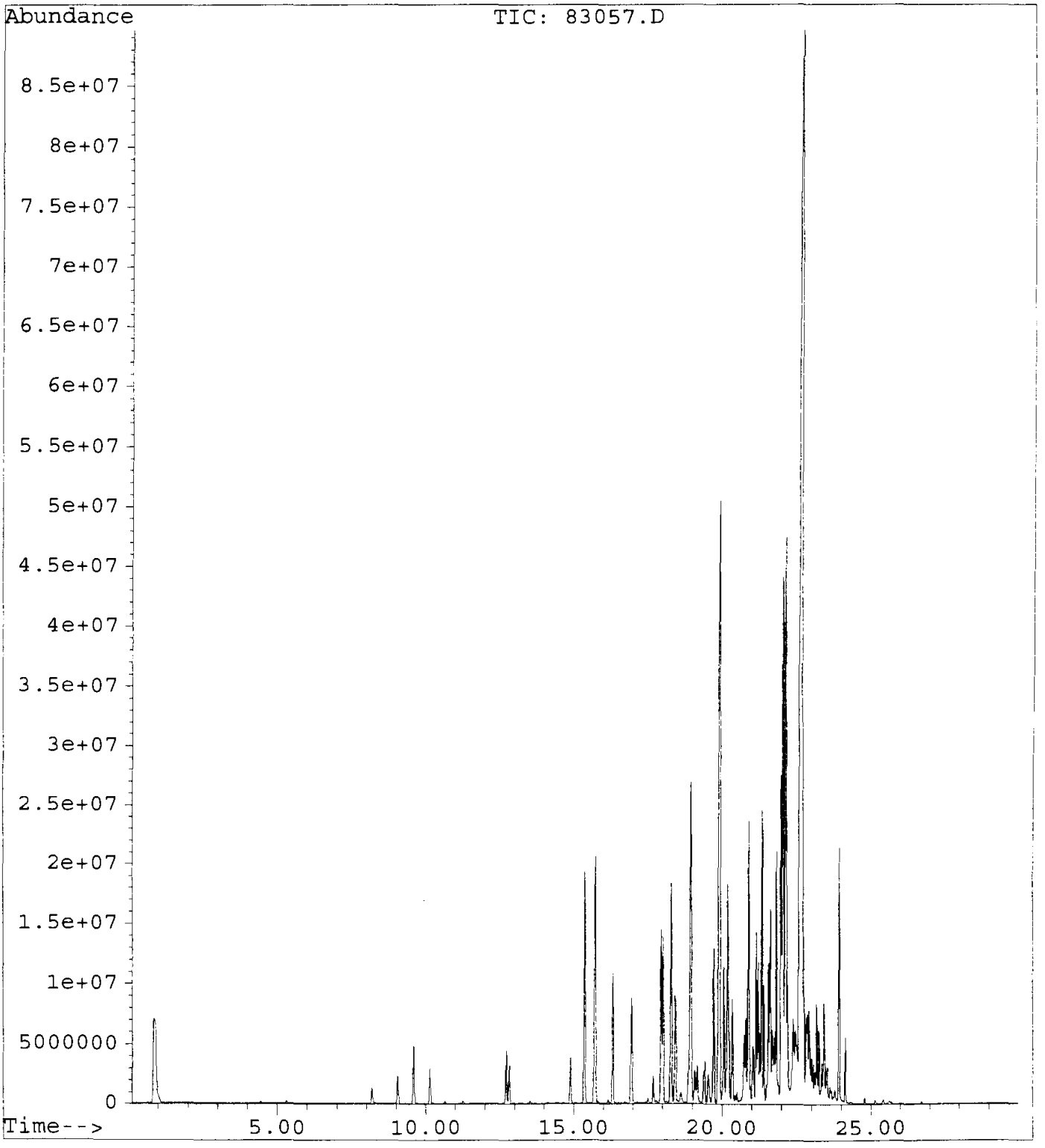
File Name	83057.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 15:39
Method	8260LLS
Misc Info	83057 COMPOSITE OF 2 0804
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.056	168.00	Pentafluorobenzene	26144727	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.458	50.00	Chloromethane (SPCC)	61315	0.23	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.242	56.00	Acrolein	15785	0.76	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.161	78.00	Carbon Disulfide	63288	1.17	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.450	43.00	Acetone	3989369	45.42	ug/kg	
13	5.319	49.00	Dichloromethane	2776537	-1.03	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.966	63.00	1,1-Dichloroethane (SPCC)	29516	0.08	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.658	72.00	Methyl Ethyl Ketone	57155	2.59	ug/kg	

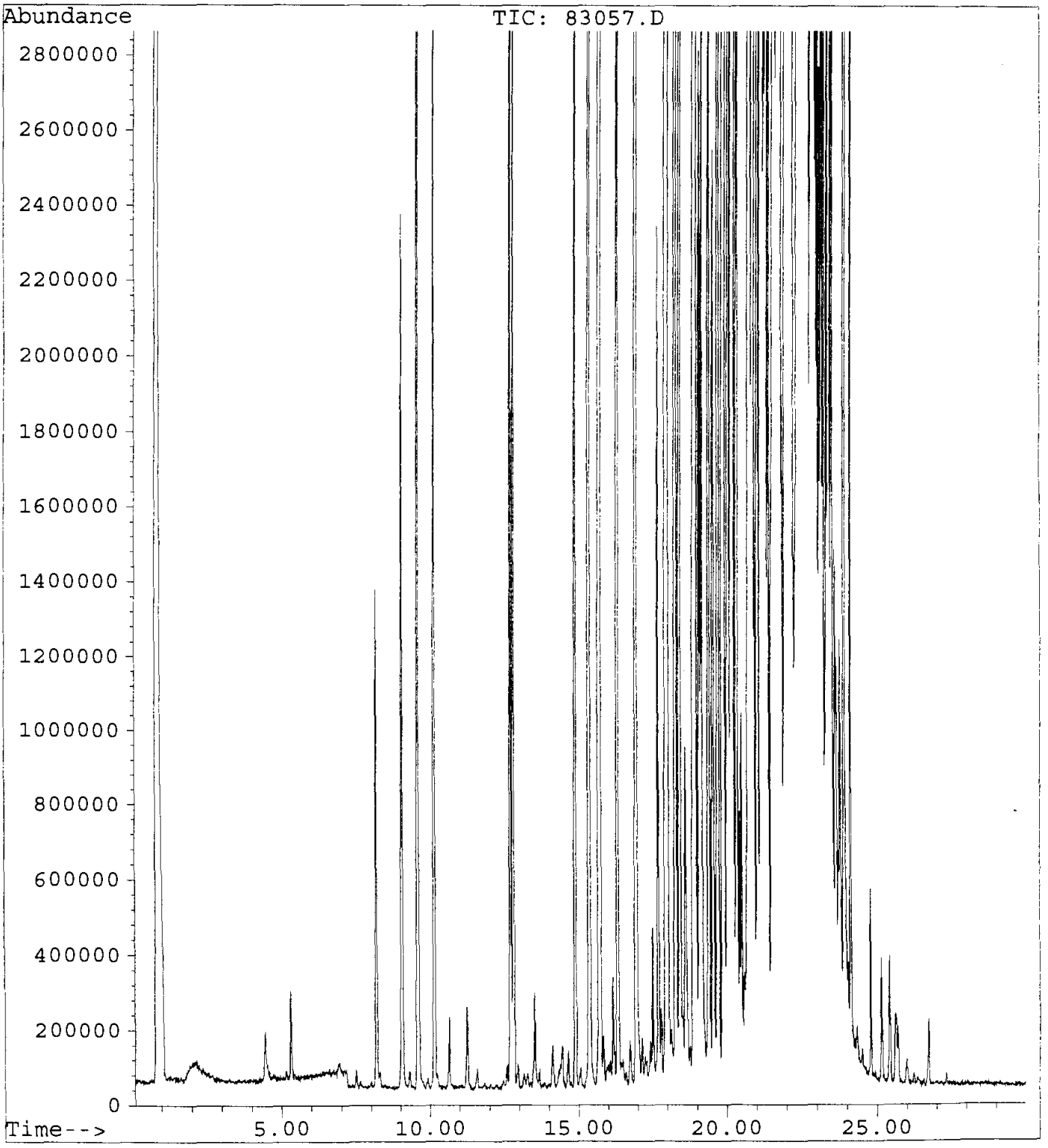
21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.013	83.00	Chloroform (CCC)		174404	0.29	ug/kg	
23	8.992	97.00	1,1,1-Trichloroethane		350280	0.63	ug/kg	
24	8.183	113.00	Dibromofluoromethane (SURR)		12244913	39.69	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		34134628	40.00	ug/kg	ISTD
26	9.253	75.00	1,1-Dichloropropene		24718	0.06	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.588	78.00	Benzene		61819236	58.95	ug/kg	
29	9.044	62.00	1,2-Dichloroethane		32442	0.07	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.364	75.00	trans-1,3-Dichloropropene		13708	0.04	ug/kg	
36	12.010	43.00	4-Methyl-2-Pentanone		38368	0.07	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		41885050	40.79	ug/kg	
38	12.815	91.00	Toluene (CCC)		35848270	27.22	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		9442642	40.00	ug/kg	ISTD
43	13.877	166.00	Tetrachloroethylene		43203	0.07	ug/kg	
44	12.814	76.00	1,3-Dichloropropane		134182	0.32	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.963	112.00	Chlorobenzene (SPCC)		57501	0.07	ug/kg	

49	14.719	131.00	1,1,1,2-Tetrachloroethane		27685	0.07	ug/kg	
50	15.370	91.00	Ethylbenzene (CCC)		2.31E+08	157.96	ug/kg	
51	15.720	106.00	m,p-Xylene		1.12E+08	257.30	ug/kg	
52	16.324	91.00	o-Xylene		1.06E+08	93.12	ug/kg	
53	16.219	104.00	Styrene		531766	0.78	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.181	152.00	1,4-Dichlorobenzene-d4		15412020	40.00	ug/kg	ISTD
56	16.961	105.00	Isopropylbenzene		74683095	85.19	ug/kg	
57	16.935	95.00	4-Bromofluorobenzene (SURR)		16847695	47.05	ug/kg	
58	17.155	158.00	Bromobenzene		5309	0.01	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.701	91.00	n-Propylbenzene		28438171	13.67	ug/kg	
62	17.902	126.00	2-Chlorotoluene		11505	0.04	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.952	91.00	4-Chlorotoluene		21096386	25.82	ug/kg	
65	18.290	105.00	1,3,5-Trimethylbenzene		1.85E+08	247.07	ug/kg	
66	18.678	119.00	tert-Butylbenzene		1963206	2.98	ug/kg	
67	18.948	120.00	1,2,4-Trimethylbenzene		1.3E+08	366.82	ug/kg	
68	19.101	105.00	sec-Butylbenzene		35361245	39.72	ug/kg	
69	19.071	146.00	1,3-Dichlorobenzene		49004	0.09	ug/kg	
70	19.241	146.00	1,4-Dichlorobenzene		81344	0.14	ug/kg	
71	19.555	119.00	p-Isopropyltoluene		24571300	34.03	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene		41602	0.08	ug/kg	
73	20.232	91.00	n-Butylbenzene		19383555	28.20	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		19225	0.17	ug/kg	

File : C:\HPCHEM\1\DATA\0804\83057.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 3:39 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057 COMPOSITE OF 2
Misc Info : 83057 COMPOSITE OF 2 0804
Vial Number: 1



File : C:\HPCHEM\1\DATA\0804\83057.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 3:39 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057 COMPOSITE OF 2
Misc Info : 83057 COMPOSITE OF 2 0804
Vial Number: 1



VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83057A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 4:53 pm using AcqMethod 8260LLS
Sample Name: 83057A COMPOSITE OF 2 X5 DIL
Misc Info : 83057A COMPOSITE OF 2 X5 DIL 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	5.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.05	200.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	1.91	0.9 ug/kg	#
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.78	0.5 ug/kg	#
12	Acetone	4.45	114.7 ug/kg	
13	Dichloromethane	5.31	4.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.18	0.2 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.00	0.9 ug/kg	
23	1,1,1-Trichloroethane	8.99	1.0 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	210.0 ug/kg	
25	1,4-Difluorobenzene	10.13	200.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.26	1.5 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83057A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 4:53 pm using AcqMethod 8260LLS
Sample Name: 83057A COMPOSITE OF 2 X5 DIL
Misc Info : 83057A COMPOSITE OF 2 X5 DIL 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.55	0.2 ug/kg	#
28	Benzene	9.58	125.3 ug/kg	
29	1,2-Dichloroethane	9.04	-0.1 ug/kg	#
30	Trichloroethylene	10.57	0.2 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.00	0.4 ug/kg	#
37	Toluene-d8 (SURR)	12.71	211.0 ug/kg	
38	Toluene (CCC)	12.81	62.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.38	0.5 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	200.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.2 ug/kg	#
49	1,1,1,2-Tetrachloroethane	14.77	0.3 ug/kg	#
50	Ethylbenzene (CCC)	15.36	506.3 ug/kg	
51	m,p-Xylene	15.71	655.9 ug/kg	
52	o-Xylene	16.32	233.8 ug/kg	
53	Styrene	16.21	1.7 ug/kg	#
54	Bromoform (SPCC)	15.63	0.2 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.17	200.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	176.6 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.93	228.5 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.35	0.3 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.69	34.0 ug/kg	
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0804\83057A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 4:53 pm using AcqMethod 8260LLS
Sample Name: 83057A COMPOSITE OF 2 X5 DIL
Misc Info : 83057A COMPOSITE OF 2 X5 DIL 0804
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.94	67.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.28	640.2 ug/kg	
66	tert-Butylbenzene	18.66	7.6 ug/kg	#
67	1,2,4-Trimethylbenzene	18.94	1035.5 ug/kg	
68	sec-Butylbenzene	19.09	112.6 ug/kg	
69	1,3-Dichlorobenzene	19.07	0.2 ug/kg	
70	1,4-Dichlorobenzene	19.21	0.3 ug/kg	#
71	p-Isopropyltoluene	19.54	96.5 ug/kg	
72	1,2-Dichlorobenzene	19.82	0.2 ug/kg	#
73	n-Butylbenzene	20.22	82.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.59	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	83057A.D
Data Path	C:\HPCHEM\1\DATA\0804\
Operator	CHARLES M. JOHNSON
Date/Time	8/4/95 16:53
Method	8260LLS
Misc Info	83057A COMPOSITE OF 2 X5 DIL 0804
Bottle Number	1
Number of Compounds	74

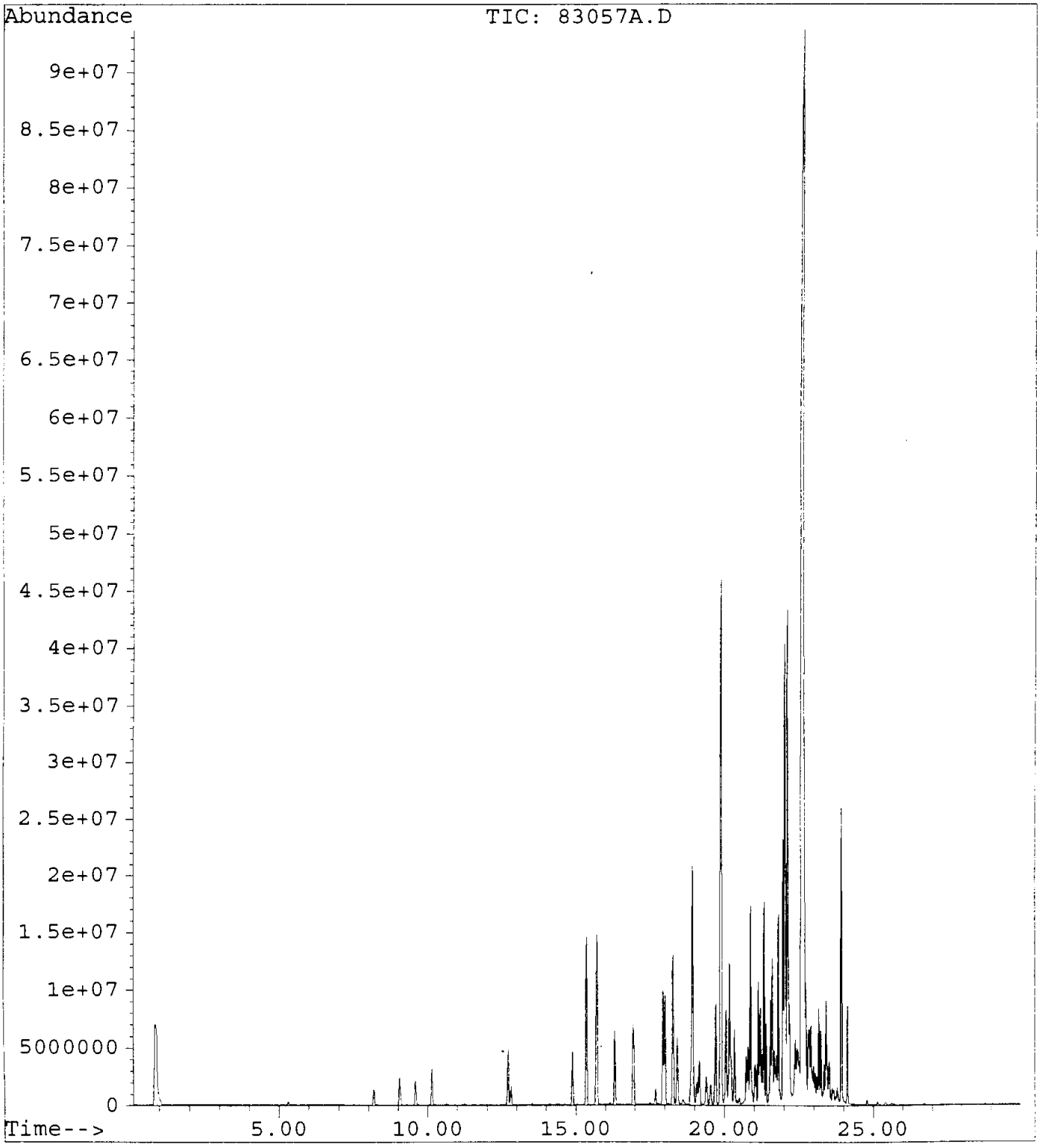
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.050	168.00	Pentafluorobenzene	27354820	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	1.910	62.00	Vinyl Chloride (CCC)	33312	0.18	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.781	127.00	Iodomethane	17041	0.11	ug/kg	
12	4.451	43.00	Acetone	2094719	22.94	ug/kg	
13	5.310	49.00	Dichloromethane	3401700	0.80	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.181	77.00	2,2-Dichloropropane	14143	0.04	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane	0	0.00	ug/kg	
22	7.999	83.00	Chloroform (CCC)	110095	0.17	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane	112215	0.19	ug/kg	
24	8.177	113.00	Dibromofluoromethane (SURR)	13558654	42.01	ug/kg	
25	10.134	114.00	1,4-Difluorobenzene	36385487	40.00	ug/kg	ISTD
26	9.259	75.00	1,1-Dichloropropene	134665	0.30	ug/kg	
27	9.551	117.00	Carbon Tetrachloride	15087	0.03	ug/kg	
28	9.581	78.00	Benzene	28143000	25.06	ug/kg	
29	9.042	62.00	1,2-Dichloroethane	-7992	-0.02	ug/kg	
30	10.568	130.00	Trichloroethylene	13897	0.04	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)	0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane	0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane	0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether	0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene	0	0.00	ug/kg	
36	11.999	43.00	4-Methyl-2-Pentanone	43559	0.07	ug/kg	
37	12.706	98.00	Toluene-d8 (SURR)	46186527	42.20	ug/kg	
38	12.807	91.00	Toluene (CCC)	17980447	12.43	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene	0	0.00	ug/kg	
40	13.382	99.00	Ethyl Methacrylate	12212	0.11	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane	0	0.00	ug/kg	
42	14.886	54.00	Chlorobenzene-d5	11459526	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene	0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane	0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone	0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane	0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane	0	0.00	ug/kg	
48	14.942	112.00	Chlorobenzene (SPCC)	41429	0.04	ug/kg	

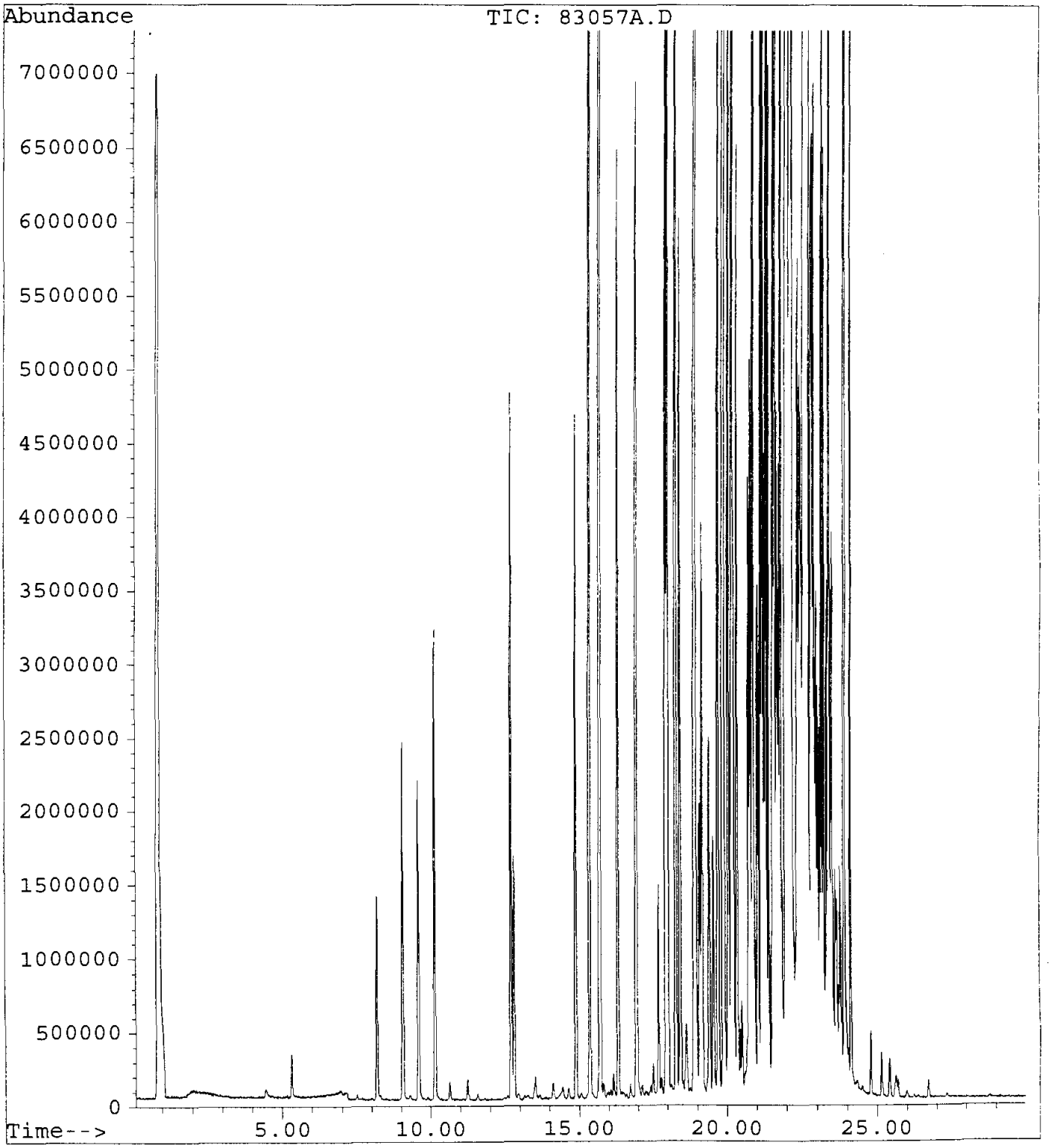
001129

49	14.773	131.00	1,1,1,2-Tetrachloroethane	28142	0.06	ug/kg	
50	15.359	91.00	Ethylbenzene (CCC)	1.73E+08	101.25	ug/kg	
51	15.709	106.00	m,p-Xylene	69344272	131.17	ug/kg	
52	16.315	91.00	o-Xylene	64752216	46.76	ug/kg	
53	16.208	104.00	Styrene	277575	0.33	ug/kg	
54	15.634	173.00	Bromoform (SPCC)	23936	0.05	ug/kg	
55	19.170	152.00	1,4-Dichlorobenzene-d4	19815309	40.00	ug/kg	ISTD
56	16.953	105.00	Isopropylbenzene	45445961	35.32	ug/kg	
57	16.927	95.00	4-Bromofluorobenzene (SURR)	21041747	45.71	ug/kg	
58	0.000	158.00	Bromobenzene	0	0.00	ug/kg	
59	16.352	83.00	1,1,2,2-Tetrachloroethane (SPCC)	32423	0.07	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane	0	0.00	ug/kg	
61	17.693	91.00	n-Propylbenzene	18326132	6.79	ug/kg	
62	0.000	126.00	2-Chlorotoluene	0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene	0	0.00	ug/kg	
64	17.942	91.00	4-Chlorotoluene	14260191	13.44	ug/kg	
65	18.281	105.00	1,3,5-Trimethylbenzene	1.3E+08	128.04	ug/kg	
66	18.663	119.00	tert-Butylbenzene	1285385	1.52	ug/kg	
67	18.937	120.00	1,2,4-Trimethylbenzene	92509580	207.10	ug/kg	
68	19.091	105.00	sec-Butylbenzene	25299033	22.52	ug/kg	
69	19.067	146.00	1,3-Dichlorobenzene	25052	0.03	ug/kg	
70	19.213	146.00	1,4-Dichlorobenzene	49009	0.07	ug/kg	
71	19.544	119.00	p-Isopropyltoluene	17496418	19.30	ug/kg	
72	19.818	146.00	1,2-Dichlorobenzene	26322	0.04	ug/kg	
73	20.224	91.00	n-Butylbenzene	13993248	16.40	ug/kg	
74	20.588	157.00	1,2-Dibromo-3-Chloropropane	3033	0.02	ug/kg	

File : C:\HPCHEM\1\DATA\0804\83057A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 4:53 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057A COMPOSITE OF 2 X5 DIL
Misc Info : 83057A COMPOSITE OF 2 X5 DIL 0804
Vial Number: 1



File : C:\HPCHEM\1\DATA\0804\83057A.D
Operator : CHARLES M. JOHNSON
Acquired : 4 Aug 95 4:53 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057A COMPOSITE OF 2 X5 DIL
Misc Info : 83057A COMPOSITE OF 2 X5 DIL 0804
Vial Number: 1

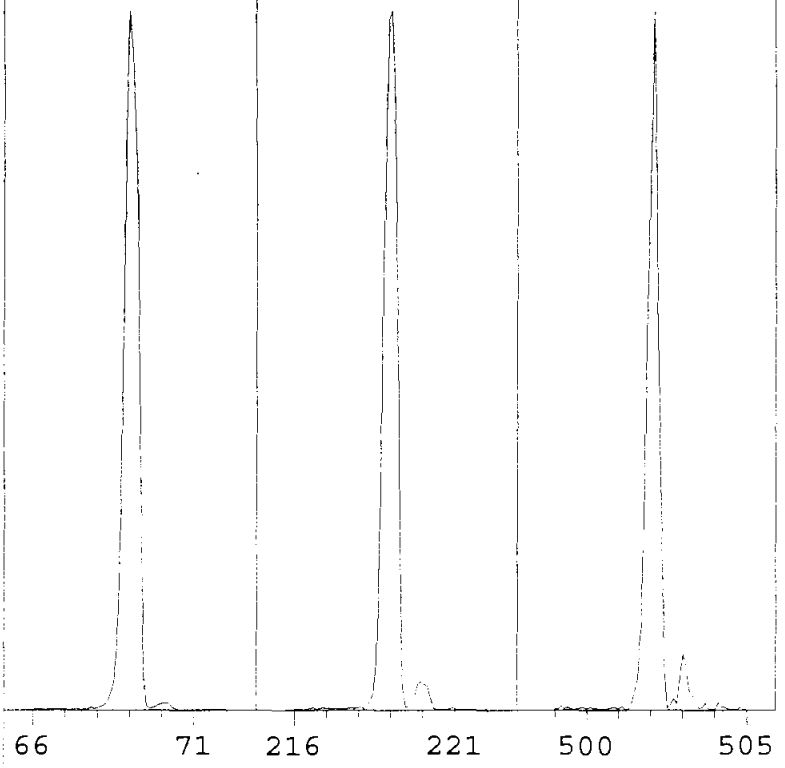


HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Aug 07 08:28:03 1995 C:\HPCHEM\1\5970\ATUNE.U

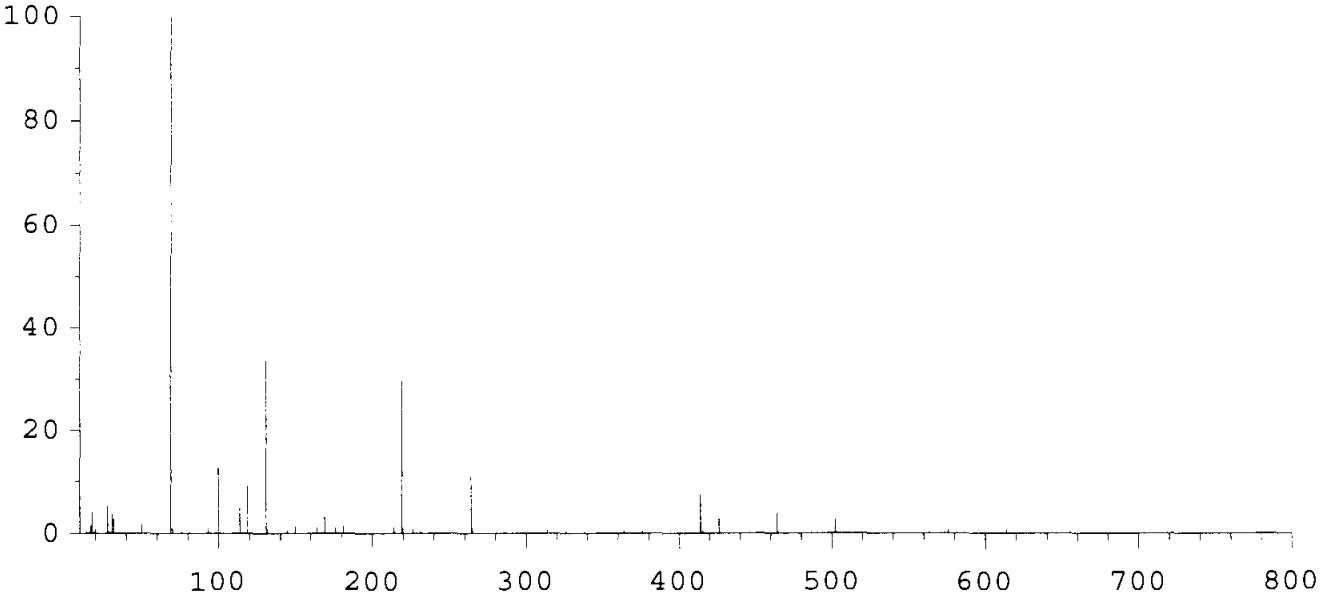
Mass	69.00	Mass	219.10	Mass	502.10
Ab	2291891	%	30.05	%	4.45
Pw50	0.49	Pw50	0.49	Pw50	0.36



EMVolts	2800	AmuGain	92
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	52
MassGain	-201		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

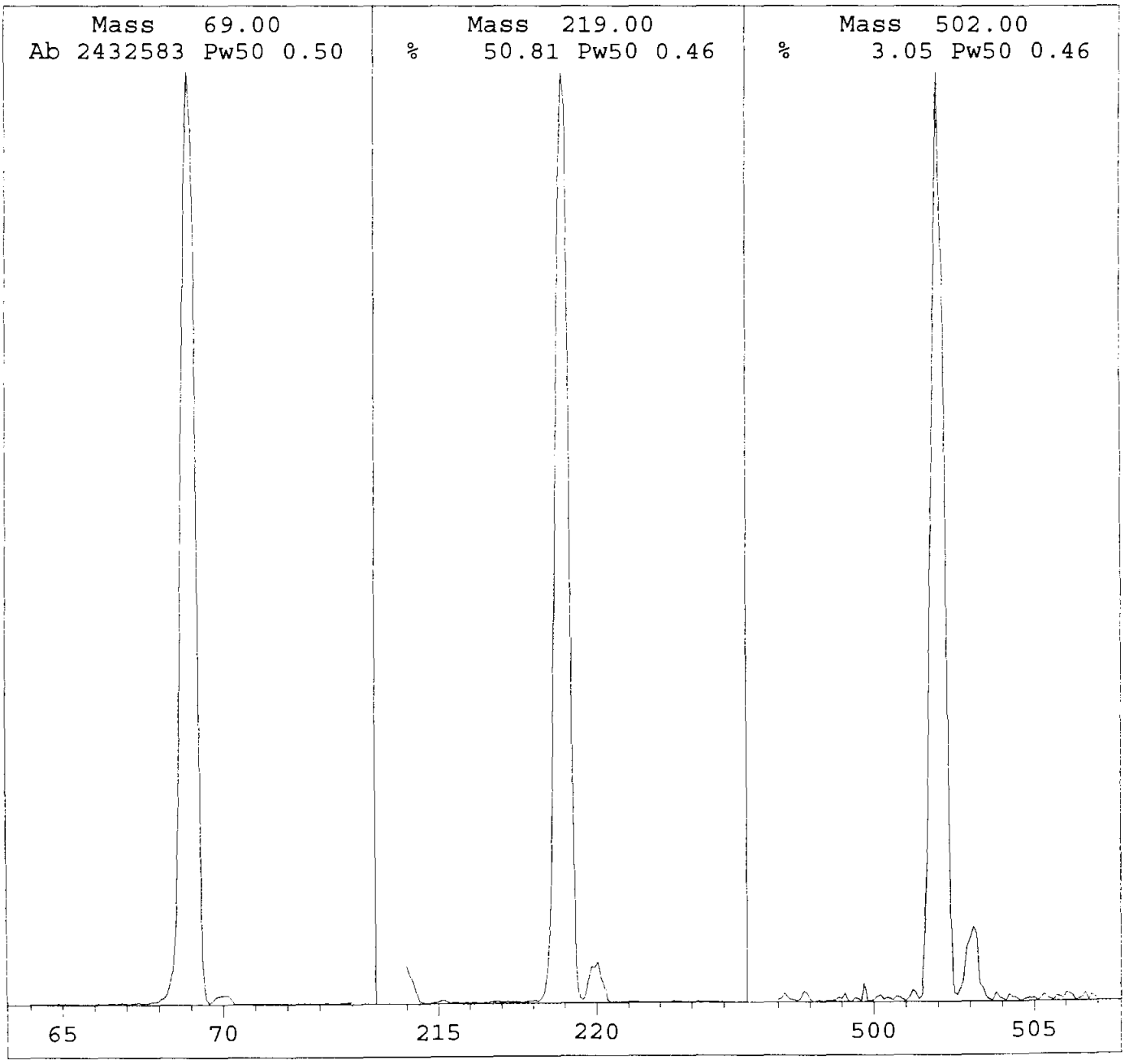
333 peaks Base: 69.05 Abundance: 1800704



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	1800704	100.00	70.05	24000	1.33
219.00	541120	30.05	220.00	19824	3.66
502.00	51432	2.86	502.90	6270	12.19

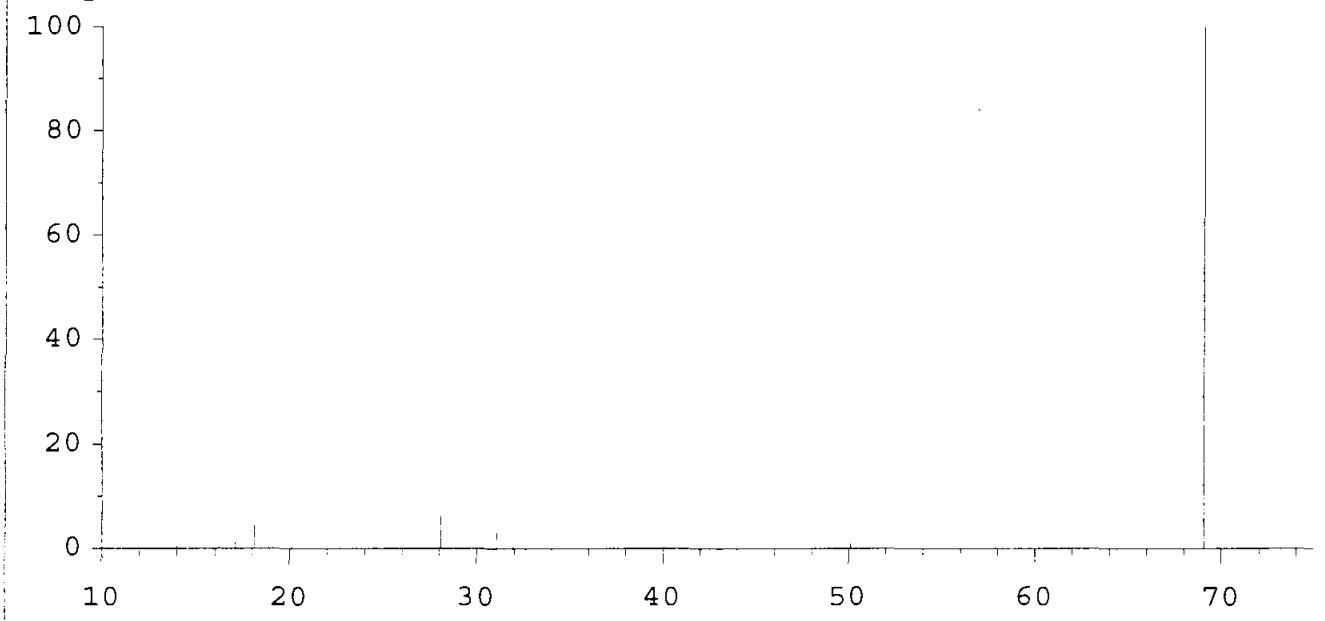
Instrument: 5970 - Instrument1
Mon Aug 07 08:31:00 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2800	AmuGain	92
Xray	60.0	AmuOffs	56
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	64
MassGain	-201		
MassOffs	15		



HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Mon Aug 07 08:31:53 1995 C:\HPCHEM\1\5970\ATUNE.U

Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
54 peaks Base: 69.05 Abundance: 2373632



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2373632	100.00	69.95	25624	1.08
18.10	124592	5.25	19.10	9688	7.78
28.05	155584	6.55	28.95	7984	5.13

HP 5970 Air and Water Check : Mon Aug 07 08:31:53 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 45.0
EMV = 3000
Relative abundances:

18/69 =	5.25	Water%
28/69 =	6.55	Nitrogen%
32/69 =	2.11	Oxygen%
44/69 =	0.38	Carbon Dioxide%
18/28 =	80.08	Water/Nitrogen%

4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0807\
Operator	CHARLES M. JOHNSON
Date/Time	8/7/95 9:23
Method	BFB
Misc Info	BFB CHECK 0807
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	3006831	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	740229	24.62	%	
3	6.903	75.00	30% to 60% of 95	1534878	51.04	%	
4	6.903	96.00	5% to 9% of 95	206968	6.88	%	
5	6.920	174.00	> 50% of 95	3411145	113.45	%	
6	6.920	174.00		3411145	100.00	%	ISTD
7	6.920	173.00	< 2% of 174	35142	1.03	%	
8	6.920	175.00	5% to 9% of 174	262415	7.69	%	
9	6.920	176.00	>95% , <101% of 174	3444747	100.99	%	
10	6.920	176.00		3444747	100.00	%	ISTD
11	6.920	177.00	5% to 9% of 176	229212	6.65	%	

001137

Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/7/95

Compound	Conc.	Area	RF
Chloromethane	37.66	14678699	0.3616
1,1 Dichloroethane	45.75	29506270	0.5984
Chlorobenzene	52.24	80890743	1.1594
Bromoform	54.67	50509932	0.5008
1,1,2,2-Tetrachloroethane	44.56	41898089	0.9234

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	43114612	169.0946
1,4 Difluorobenzene	40	53422818	174.4847
Chlorobenzene - d5	40	17997492	180.7120
1,4-Dichlorobenzene-d4	40	40732319	199.0533

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Average Area of Int. Std. from Initial Calibration Table

Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/07/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	42.71	14.58
1,1-Dichloroethylene	52.68	5.36
Chloroform	46.02	7.96
1,2-Dichloropropane	49.55	0.9
Toluene	51.28	2.56
Ethyl Benzene	53.74	7.48

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:47 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	38.2 ug/kg	
3	Chloromethane (SPCC)	1.42	37.7 ug/kg	
4	Vinyl Chloride (CCC)	1.77	42.7 ug/kg	
5	Bromomethane	2.48	36.7 ug/kg	
6	Chloroethane	2.88	44.0 ug/kg	
7	Trichlorofluoromethane	3.97	50.4 ug/kg	
8	Acrolein	4.17	511.8 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	52.7 ug/kg	
10	Carbon Disulfide	5.17	510.8 ug/kg	#
11	Iodomethane	4.81	536.1 ug/kg	
12	Acetone	4.51	637.8 ug/kg	
13	Dichloromethane	5.34	54.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.38	47.2 ug/kg	
15	Acrylonitrile	5.33	563.4 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.77	45.7 ug/kg	
17	Vinyl Acetate	7.32	490.9 ug/kg	
18	2,2-Dichloropropane	8.04	50.7 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	48.1 ug/kg	
20	Methyl Ethyl Ketone	7.66	530.3 ug/kg	
21	Bromochloromethane	7.88	46.1 ug/kg	
22	Chloroform (CCC)	8.02	46.0 ug/kg	
23	1,1,1-Trichloroethane	8.99	49.2 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	37.8 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.31	49.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:47 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.48	48.0 ug/kg	
28	Benzene	9.59	49.0 ug/kg	
29	1,2-Dichloroethane	8.91	52.0 ug/kg	
30	Trichloroethylene	10.58	48.6 ug/kg	
31	1,2-Dichloropropane (CCC)	10.49	49.6 ug/kg	
32	Dibromomethane	10.41	47.3 ug/kg	
33	Dichlorobromomethane	10.65	51.2 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	720.4 ug/kg	
35	trans-1,3-Dichloropropene	12.41	56.0 ug/kg	
36	4-Methyl-2-Pentanone	12.01	383.1 ug/kg	
37	Toluene-d8 (SURR)	12.72	42.1 ug/kg	
38	Toluene (CCC)	12.82	51.3 ug/kg	
39	cis-1,3-Dichloropropene	11.70	53.6 ug/kg	
40	Ethyl Methacrylate	13.28	525.6 ug/kg	#
41	1,1,2-Trichloroethane	12.55	51.7 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	46.6 ug/kg	
44	1,3-Dichloropropane	12.93	52.6 ug/kg	
45	2-Hexanone	13.37	435.7 ug/kg	
46	Dibromochloromethane	13.21	50.9 ug/kg	
47	1,2-Dibromoethane	13.55	54.5 ug/kg	
48	Chlorobenzene (SPCC)	14.95	52.2 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.85	54.7 ug/kg	
50	Ethylbenzene (CCC)	15.37	53.7 ug/kg	
51	m,p-Xylene	15.72	102.9 ug/kg	
52	o-Xylene	16.33	52.5 ug/kg	
53	Styrene	16.22	54.0 ug/kg	
54	Bromoform (SPCC)	15.66	54.7 ug/kg	
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	43.3 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	35.7 ug/kg	
58	Bromobenzene	17.18	47.3 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.31	44.6 ug/kg	
60	1,2,3-Trichloropropane	16.54	46.8 ug/kg	
61	n-Propylbenzene	17.71	48.7 ug/kg	
62	2-Chlorotoluene	17.75	46.7 ug/kg	
63	1,4-Dichloro-2-Butene	16.71	562.2 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:47 am using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	48.4 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	51.0 ug/kg	
66	tert-Butylbenzene	18.68	49.5 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	52.1 ug/kg	
68	sec-Butylbenzene	19.10	55.2 ug/kg	
69	1,3-Dichlorobenzene	19.07	48.7 ug/kg	
70	1,4-Dichlorobenzene	19.23	48.5 ug/kg	
71	p-Isopropyltoluene	19.55	53.7 ug/kg	
72	1,2-Dichlorobenzene	19.85	50.3 ug/kg	
73	n-Butylbenzene	20.24	53.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.59	46.4 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

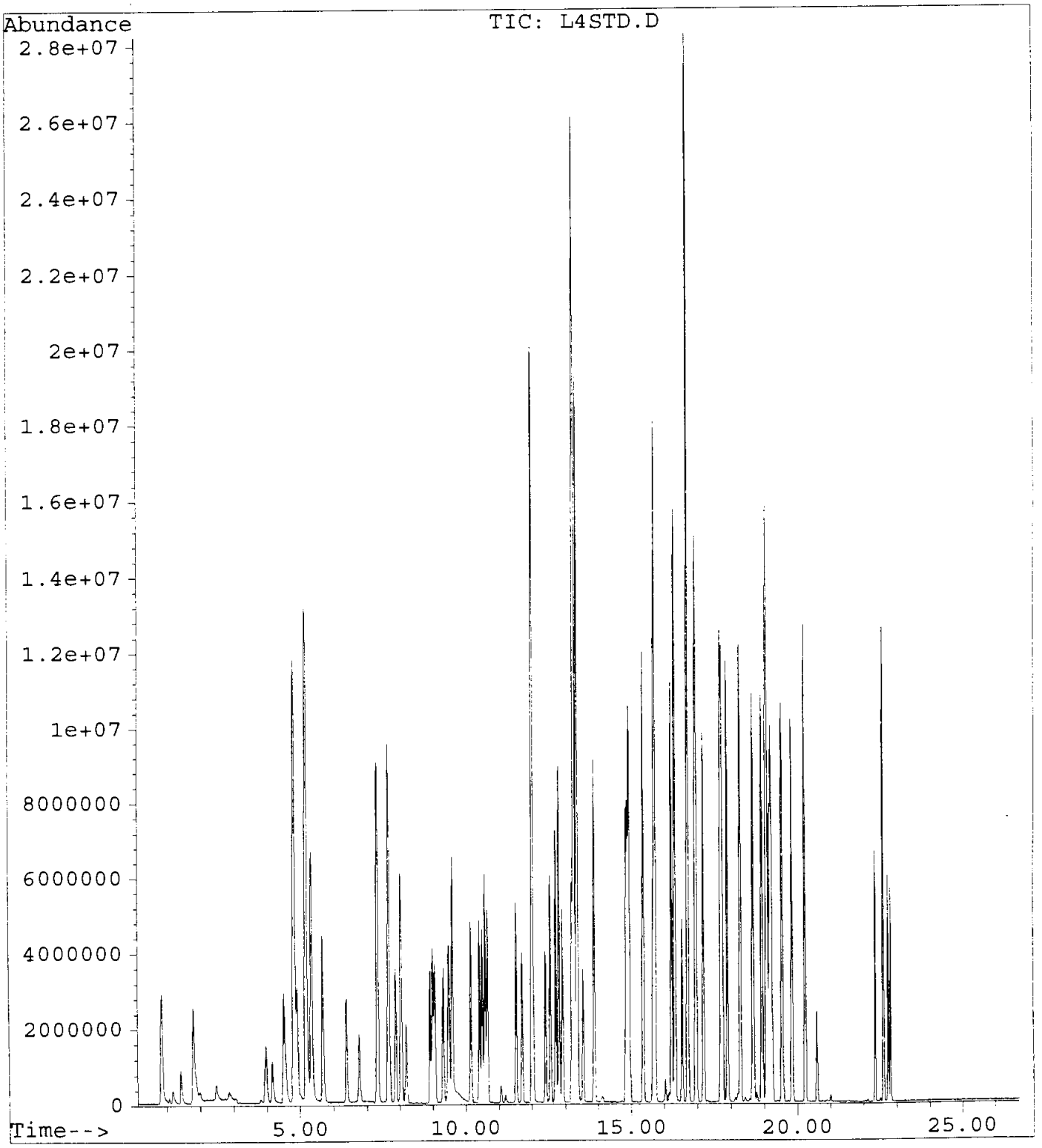
File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0807\
Operator	CHARLES M. JOHNSON
Date/Time	8/7/95 10:47
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 50-500 PPB 0807
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.061	168.00	Pentafluorobenzene	43114612	40.00	ug/kg	*ISTD
2	1.176	85.00	Dichlorodifluoromethane	6940192	38.24	ug/kg	
3	1.422	50.00	Chloromethane (SPCC)	14678699	37.66	ug/kg	
4	1.770	62.00	Vinyl Chloride (CCC)	11476492	42.71	ug/kg	
5	2.483	94.00	Bromomethane	4716344	36.65	ug/kg	
6	2.876	64.00	Chloroethane	2638316	43.99	ug/kg	
7	3.970	101.00	Trichlorofluoromethane	28987503	50.45	ug/kg	
8	4.166	56.00	Acrolein	19364657	511.85	ug/kg	
9	4.915	61.00	1,1-Dichloroethylene (CCC)	32051623	52.68	ug/kg	
10	5.174	78.00	Carbon Disulfide	43058447	510.76	ug/kg	
11	4.811	127.00	Iodomethane	1.74E+08	536.12	ug/kg	
12	4.508	43.00	Acetone	1.08E+08	637.83	ug/kg	
13	5.340	49.00	Dichloromethane	33566924	54.00	ug/kg	
14	6.385	61.00	trans-1,2-Dichloroethylene	24959718	47.19	ug/kg	
15	5.335	53.00	Acrylonitrile	63455239	563.45	ug/kg	
16	6.775	63.00	1,1-Dichloroethane (SPCC)	29506270	45.75	ug/kg	
17	7.322	86.00	Vinyl Acetate	9177182	490.88	ug/kg	
18	8.044	77.00	2,2-Dichloropropane	34245697	50.73	ug/kg	
19	7.675	61.00	cis-1,2-Dichloroethylene	36063003	48.07	ug/kg	
20	7.655	72.00	Methyl Ethyl Ketone	21475289	530.29	ug/kg	

21	7.876	130.00	Bromochloromethane		13160358	46.05	ug/kg	
22	8.020	83.00	Chloroform (CCC)		43299589	46.02	ug/kg	
23	8.991	97.00	1,1,1-Trichloroethane		44702552	49.18	ug/kg	
24	8.194	113.00	Dibromofluoromethane (SURR)		19245596	37.83	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		53422818	40.00	ug/kg	ISTD
26	9.311	75.00	1,1-Dichloropropene		33841444	49.34	ug/kg	
27	9.480	117.00	Carbon Tetrachloride		38069026	48.04	ug/kg	
28	9.588	78.00	Benzene		80572749	49.03	ug/kg	
29	8.908	62.00	1,2-Dichloroethane		44629130	52.04	ug/kg	
30	10.580	130.00	Trichloroethylene		26511556	48.62	ug/kg	
31	10.490	63.00	1,2-Dichloropropane (CCC)		27249348	49.55	ug/kg	
32	10.411	174.00	Dibromomethane		27612283	47.29	ug/kg	
33	10.650	83.00	Dichlorobromomethane		45285362	51.16	ug/kg	
34	11.515	63.00	2-Chloroethyl Vinyl Ether		30273038	720.45	ug/kg	
35	12.406	75.00	trans-1,3-Dichloropropene		41443326	55.99	ug/kg	
36	12.005	43.00	4-Methyl-2-Pentanone		2.89E+08	383.07	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		67723797	42.14	ug/kg	
38	12.815	91.00	Toluene (CCC)		1.01E+08	51.28	ug/kg	
39	11.696	75.00	cis-1,3-Dichloropropene		42684524	53.60	ug/kg	
40	13.278	99.00	Ethyl Methacrylate		75277961	525.61	ug/kg	
41	12.554	97.00	1,1,2-Trichloroethane		26446166	51.74	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		17997492	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		50660203	46.64	ug/kg	
44	12.925	76.00	1,3-Dichloropropane		43020530	52.61	ug/kg	
45	13.366	43.00	2-Hexanone		2.4E+08	435.72	ug/kg	
46	13.209	129.00	Dibromochloromethane		40448786	50.92	ug/kg	
47	13.547	107.00	1,2-Dibromoethane		31955913	54.51	ug/kg	
48	14.946	112.00	Chlorobenzene (SPCC)		80890743	52.24	ug/kg	

49	14.854	131.00	1,1,1,2-Tetrachloroethane		39764887	54.68	ug/kg	
50	15.368	91.00	Ethylbenzene (CCC)		1.4E+08	53.74	ug/kg	
51	15.722	106.00	m,p-Xylene		85498590	102.86	ug/kg	
52	16.326	91.00	o-Xylene		1.14E+08	52.47	ug/kg	
53	16.221	104.00	Styrene		75145590	53.99	ug/kg	
54	15.659	173.00	Bromoform (SPCC)		50509932	54.67	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4		42732319	40.00	ug/kg	ISTD
56	16.966	105.00	Isopropylbenzene		1.18E+08	43.26	ug/kg	
57	16.939	95.00	4-Bromofluorobenzene (SURR)		35476625	35.73	ug/kg	
58	17.185	158.00	Bromobenzene		48645970	47.31	ug/kg	
59	16.314	83.00	1,1,2,2-Tetrachloroethane (SPCC)		41898089	44.56	ug/kg	
60	16.536	75.00	1,2,3-Trichloropropane		37973280	46.82	ug/kg	
61	17.706	91.00	n-Propylbenzene		2.69E+08	48.70	ug/kg	
62	17.750	126.00	2-Chlorotoluene		33978797	46.68	ug/kg	
63	16.715	75.00	1,4-Dichloro-2-Butene		1.33E+08	562.16	ug/kg	
64	17.900	91.00	4-Chlorotoluene		1.08E+08	48.42	ug/kg	
65	18.288	105.00	1,3,5-Trimethylbenzene		1.16E+08	51.02	ug/kg	
66	18.676	119.00	tert-Butylbenzene		91499767	49.49	ug/kg	
67	18.947	120.00	1,2,4-Trimethylbenzene		49281562	52.13	ug/kg	
68	19.101	105.00	sec-Butylbenzene		1.39E+08	55.23	ug/kg	
69	19.074	146.00	1,3-Dichlorobenzene		74409897	48.72	ug/kg	
70	19.228	146.00	1,4-Dichlorobenzene		76200859	48.54	ug/kg	
71	19.548	119.00	p-Isopropyltoluene		1.11E+08	53.70	ug/kg	
72	19.846	146.00	1,2-Dichlorobenzene		73211326	50.32	ug/kg	
73	20.236	91.00	n-Butylbenzene		1.08E+08	52.99	ug/kg	
74	20.594	157.00	1,2-Dibromo-3-Chloropropane		12875496	46.36	ug/kg	

File : C:\HPCHEM\1\DATA\0807\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:47 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD 50-500 PPB
Misc Info : LEVEL 4 STANDARD 50-500 PPB 0807
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

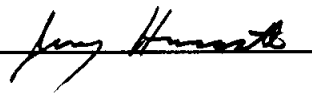
Date : 8/23/95
ID number : Blank
Control No.: Blank
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 7-Aug-95 10:07
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	88.0 %	80 - 120
Toluene-d8	103.3 %	81 - 117
4-Bromofluorobenzene	74.5 %	74 - 121

Approved by: 

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:07 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.46	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.76	0.1 ug/kg	#
5	Bromomethane	2.52	0.5 ug/kg	#
6	Chloroethane	2.95	0.8 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.07	1.1 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.79	0.2 ug/kg	#
12	Acetone	4.49	1.9 ug/kg	#
13	Dichloromethane	5.33	-10.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.40	0.1 ug/kg	#
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.79	0.0 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.63	0.0 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	0.1 ug/kg	#
23	1,1,1-Trichloroethane	9.01	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	35.2 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.18	0.1 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:07 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	11.80	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.71	41.3 ug/kg	
38	Toluene (CCC)	12.81	0.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	13.19	0.0 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.36	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	
52	o-Xylene	16.31	0.0 ug/kg	#
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.17	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.0 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.93	29.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.17	0.0 ug/kg	#
60	1,2,3-Trichloropropane	16.41	0.0 ug/kg	#
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	17.89	494.9 ug/kg	FALSE READING JAH
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:07 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0807
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	18.29	0.0 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.93	0.1 ug/kg	#
68	sec-Butylbenzene	19.10	0.0 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.22	0.0 ug/kg	#
71	p-Isopropyltoluene	19.54	0.0 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.25	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.64	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

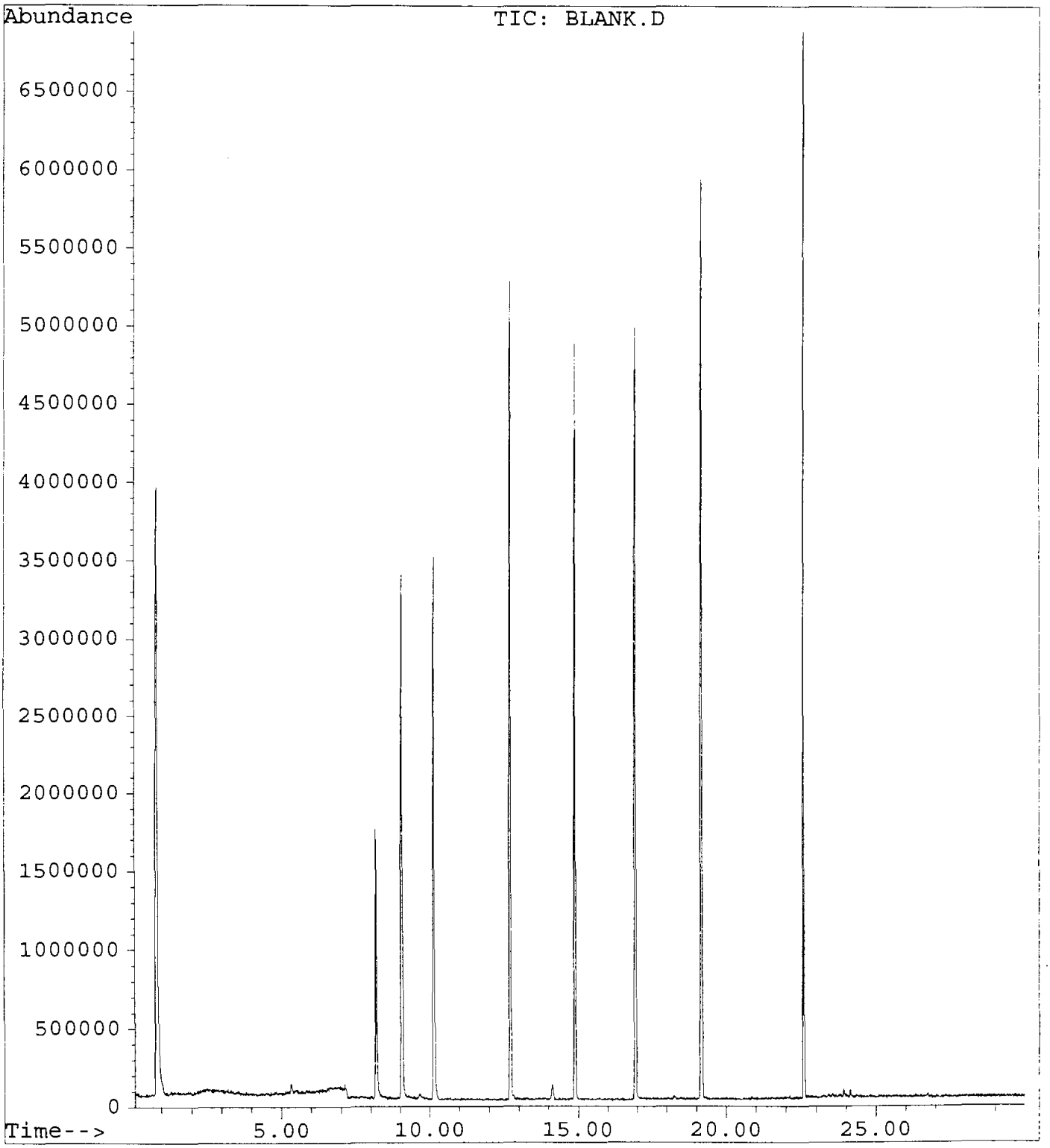
File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0807\
Operator	CHARLES M. JOHNSON
Date/Time	8/7/95 10:07
Method	8260LLS
Misc Info	BLANK 0807
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.056	168.00	Pentafluorobenzene	39707106	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.458	50.00	Chloromethane (SPCC)	63598	0.16	ug/kg	
4	1.765	62.00	Vinyl Chloride (CCC)	18483	0.07	ug/kg	
5	2.518	94.00	Bromomethane	64256	0.54	ug/kg	
6	2.955	64.00	Chloroethane	48515	0.79	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.069	56.00	Acrolein	34028	1.07	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.791	127.00	Iodomethane	37180	0.16	ug/kg	
12	4.489	43.00	Acetone	244659	1.86	ug/kg	
13	5.330	49.00	Dichloromethane	751949	-10.27	ug/kg	
14	6.398	61.00	trans-1,2-Dichloroethylene	45007	0.10	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.795	63.00	1,1-Dichloroethane (SPCC)	29371	0.05	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.634	61.00	cis-1,2-Dichloroethylene	31907	0.05	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.025	83.00	Chloroform (CCC)		77993	0.08	ug/kg	
23	9.015	97.00	1,1,1-Trichloroethane		70484	0.08	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		16492599	35.20	ug/kg	
25	10.141	114.00	1,4-Difluorobenzene		40000119	40.00	ug/kg	ISTD
26	9.182	75.00	1,1-Dichloropropene		31243	0.06	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	11.800	43.00	4-Methyl-2-Pentanone		43930	0.06	ug/kg	
37	12.714	98.00	Toluene-d8 (SURR)		49704882	41.31	ug/kg	
38	12.815	91.00	Toluene (CCC)		261017	0.16	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		12947508	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	13.194	129.00	Dibromochloromethane		12914	0.02	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.362	91.00	Ethylbenzene (CCC)		34131	0.02	ug/kg	
51	15.723	106.00	m,p-Xylene		34444	0.06	ug/kg	
52	16.306	91.00	o-Xylene		49998	0.03	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.173	152.00	1,4-Dichlorobenzene-d4		32192096	40.00	ug/kg	ISTD
56	16.935	105.00	Isopropylbenzene		59071	0.03	ug/kg	
57	16.934	95.00	4-Bromofluorobenzene (SURR)		22277723	29.79	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	16.174	83.00	1,1,2,2-Tetrachloroethane (SPCC)		12784	0.02	ug/kg	
60	16.406	75.00	1,2,3-Trichloropropane		10429	0.02	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	17.893	126.00	2-Chlorotoluene		-2653	494.90	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	18.287	105.00	1,3,5-Trimethylbenzene		69797	0.04	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.927	120.00	1,2,4-Trimethylbenzene		39178	0.06	ug/kg	
68	19.097	105.00	sec-Butylbenzene		14066	0.01	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	19.217	146.00	1,4-Dichlorobenzene		40359	0.03	ug/kg	
71	19.537	119.00	p-Isopropyltoluene		45251	0.03	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.247	91.00	n-Butylbenzene		52471	0.04	ug/kg	
74	20.644	157.00	1,2-Dibromo-3-Chloropropane		4640	0.02	ug/kg	

File : C:\HPCHEM\1\DATA\0807\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 10:07 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0807
Vial Number: 1



VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\83057B.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 12:00 pm using AcqMethod 8260LLS
Sample Name: 83057 B COMPOSITE OF 2 X 25 DIL
Misc Info : 83057 B COMPOSITE OF 2 X 25 DIL 080
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	25.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	1000.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.21	6.3 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.54	7.4 ug/kg	#
6	Chloroethane	2.96	11.6 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.17	28.4 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.17	17.3 ug/kg	#
11	Iodomethane	4.82	9.2 ug/kg	#
12	Acetone	4.49	267.0 ug/kg	
13	Dichloromethane	5.32	-143.0 ug/kg	
14	trans-1,2-Dichloroethylene	6.37	1.9 ug/kg	#
15	Acrylonitrile	5.32	11.9 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.98	2.4 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.64	21.0 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	4.5 ug/kg	#
23	1,1,1-Trichloroethane	9.00	7.2 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	1071.7 ug/kg	
25	1,4-Difluorobenzene	10.15	1000.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	4.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\83057B.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 12:00 pm using AcqMethod 8260LLS
Sample Name: 83057 B COMPOSITE OF 2 X 25 DIL
Misc Info : 83057 B COMPOSITE OF 2 X 25 DIL 080
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	226.0 ug/kg	
29	1,2-Dichloroethane	9.04	1.5 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.52	0.6 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.43	0.6 ug/kg	#
36	4-Methyl-2-Pentanone	12.04	7.0 ug/kg	#
37	Toluene-d8 (SURR)	12.72	921.2 ug/kg	
38	Toluene (CCC)	12.82	141.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	1000.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	1.2 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	34.2 ug/kg	
46	Dibromochloromethane	13.20	1.0 ug/kg	#
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	1.7 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	1427.6 ug/kg	
51	m,p-Xylene	15.72	1707.5 ug/kg	
52	o-Xylene	16.33	618.5 ug/kg	
53	Styrene	16.23	5.3 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	1000.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	399.5 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	941.1 ug/kg	
58	Bromobenzene	17.18	1.4 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	86.0 ug/kg	
62	2-Chlorotoluene	17.74	3.7 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0807\83057B.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 12:00 pm using AcqMethod 8260LLS
Sample Name: 83057 B COMPOSITE OF 2 X 25 DIL
Misc Info : 83057 B COMPOSITE OF 2 X 25 DIL 080
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.96	163.7 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	1560.3 ug/kg	
66	tert-Butylbenzene	18.69	20.6 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	2853.1 ug/kg	
68	sec-Butylbenzene	19.11	298.1 ug/kg	
69	1,3-Dichlorobenzene	19.09	2.3 ug/kg	#
70	1,4-Dichlorobenzene	19.24	3.1 ug/kg	#
71	p-Isopropyltoluene	19.56	258.9 ug/kg	
72	1,2-Dichlorobenzene	19.86	3.7 ug/kg	
73	n-Butylbenzene	20.24	220.7 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.61	1.6 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

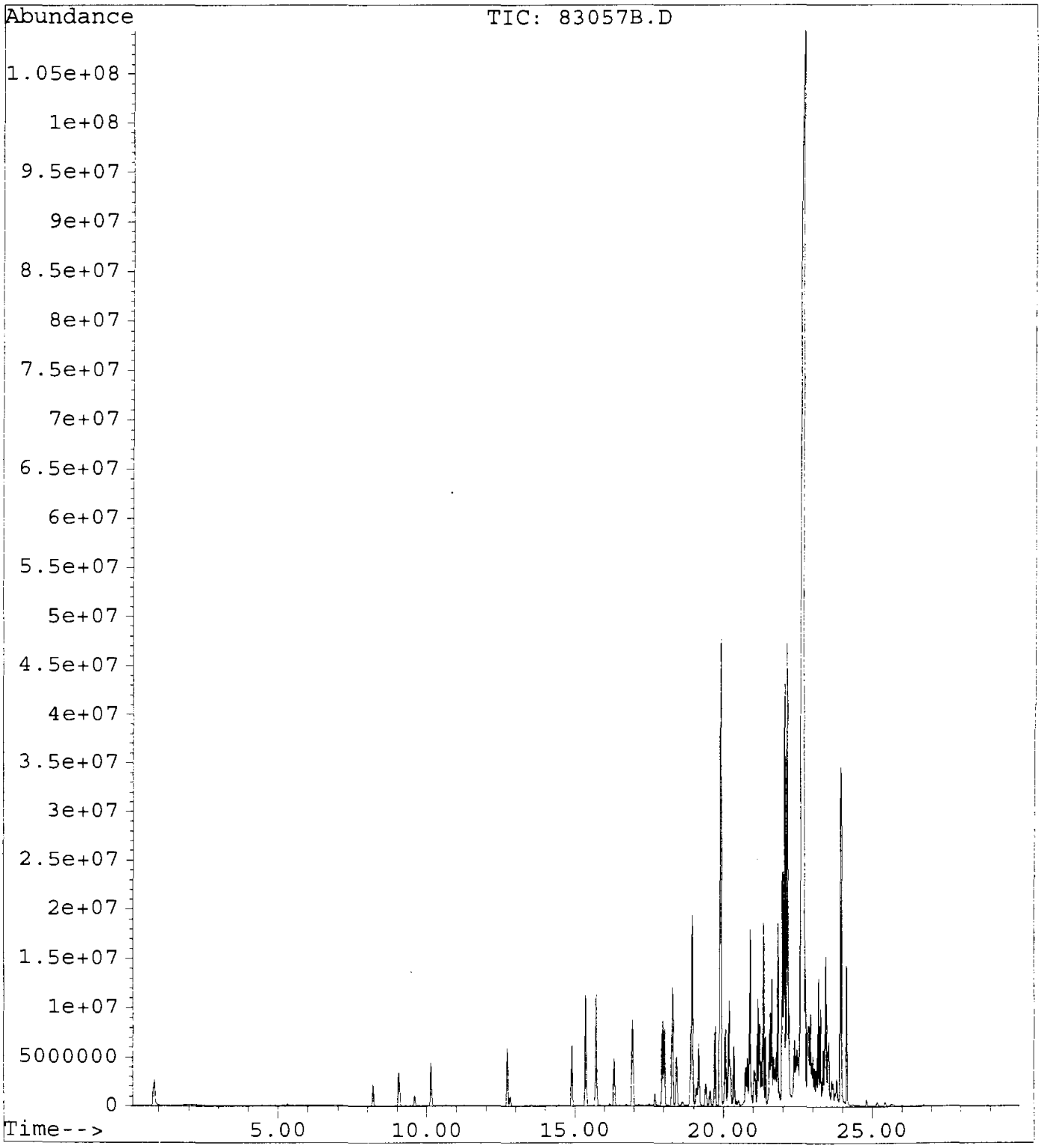
File Name	83057B.D
Data Path	C:\HPCHEM\1\DATA\0807\
Operator	CHARLES M. JOHNSON
Date/Time	8/7/95 12:00
Method	8260LLS
Misc Info	83057 B COMPOSITE OF 2 X 25 DIL 080
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.060	168.00	Pentafluorobenzene	39385303	40.00	ug/kg	*ISTD
2	1.214	85.00	Dichlorodifluoromethane	43850	0.25	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.539	94.00	Bromomethane	34586	0.29	ug/kg	
6	2.959	64.00	Chloroethane	28268	0.47	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.167	56.00	Acrolein	35723	1.14	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.171	78.00	Carbon Disulfide	56496	0.69	ug/kg	
11	4.818	127.00	Iodomethane	85459	0.37	ug/kg	
12	4.486	43.00	Acetone	1398949	10.68	ug/kg	
13	5.323	49.00	Dichloromethane	2402685	-5.72	ug/kg	
14	6.368	61.00	trans-1,2-Dichloroethylene	34244	0.07	ug/kg	
15	5.319	53.00	Acrylonitrile	42126	0.48	ug/kg	
16	6.976	63.00	1,1-Dichloroethane (SPCC)	55467	0.10	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.639	72.00	Methyl Ethyl Ketone	27937	0.84	ug/kg	

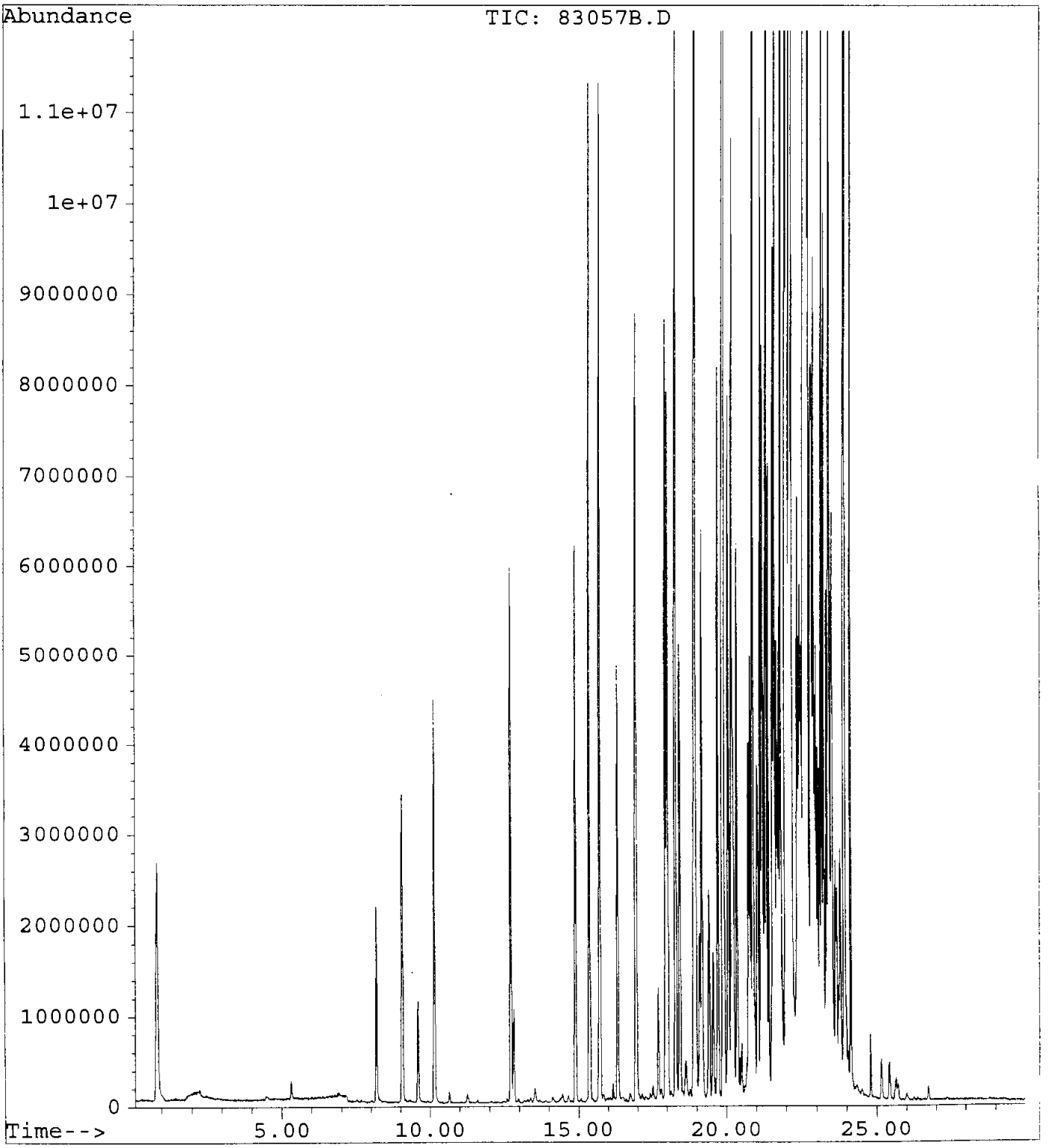
21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.029	83.00	Chloroform (CCC)		164122	0.18	ug/kg	
23	8.996	97.00	1,1,1-Trichloroethane		242049	0.29	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		19921233	42.87	ug/kg	
25	10.145	114.00	1,4-Difluorobenzene		49608042	40.00	ug/kg	ISTD
26	9.287	75.00	1,1-Dichloropropene		106358	0.17	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.595	78.00	Benzene		13866609	9.04	ug/kg	
29	9.042	62.00	1,2-Dichloroethane		42957	0.06	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.524	83.00	Dichlorobromomethane		17639	0.02	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.426	75.00	trans-1,3-Dichloropropene		13206	0.03	ug/kg	
36	12.038	43.00	4-Methyl-2-Pentanone		237855	0.28	ug/kg	
37	12.720	98.00	Toluene-d8 (SURR)		54987383	36.85	ug/kg	
38	12.821	91.00	Toluene (CCC)		11286453	5.65	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		15880331	40.00	ug/kg	ISTD
43	13.893	166.00	Tetrachloroethylene		50335	0.05	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.367	43.00	2-Hexanone		709843	1.37	ug/kg	
46	13.203	129.00	Dibromochloromethane		28035	0.04	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.954	112.00	Chlorobenzene (SPCC)		91595	0.07	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		1.31E+08	57.10	ug/kg	
51	15.723	106.00	m,p-Xylene		50162903	68.30	ug/kg	
52	16.332	91.00	o-Xylene		47491894	24.74	ug/kg	
53	16.228	104.00	Styrene		246423	0.21	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.187	152.00	1,4-Dichlorobenzene-d4		34720666	40.00	ug/kg	ISTD
56	16.969	105.00	Isopropylbenzene		37759838	15.98	ug/kg	
57	16.943	95.00	4-Bromofluorobenzene (SURR)		30367092	37.64	ug/kg	
58	17.177	158.00	Bromobenzene		49011	0.05	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.708	91.00	n-Propylbenzene		16322915	3.44	ug/kg	
62	17.742	126.00	2-Chlorotoluene		96113	0.15	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.957	91.00	4-Chlorotoluene		12244205	6.55	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		1.14E+08	62.41	ug/kg	
66	18.688	119.00	tert-Butylbenzene		1222085	0.83	ug/kg	
67	18.953	120.00	1,2,4-Trimethylbenzene		88326139	114.12	ug/kg	
68	19.107	105.00	sec-Butylbenzene		23206309	11.92	ug/kg	
69	19.089	146.00	1,3-Dichlorobenzene		117715	0.09	ug/kg	
70	19.238	146.00	1,4-Dichlorobenzene		156186	0.12	ug/kg	
71	19.555	119.00	p-Isopropyltoluene		16204097	10.35	ug/kg	
72	19.855	146.00	1,2-Dichlorobenzene		169828	0.15	ug/kg	
73	20.238	91.00	n-Butylbenzene		12896338	8.83	ug/kg	
74	20.613	157.00	1,2-Dibromo-3-Chloropropane		16096	0.06	ug/kg	

File : C:\HPCHEM\1\DATA\0807\83057B.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 12:00 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057 B COMPOSITE OF 2 X 25 DIL
Misc Info : 83057 B COMPOSITE OF 2 X 25 DIL 080
Vial Number: 1



File : C:\HPCHEM\1\DATA\0807\83057B.D
Operator : CHARLES M. JOHNSON
Acquired : 7 Aug 95 12:00 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 83057 B COMPOSITE OF 2 X 25 DIL
Misc Info : 83057 B COMPOSITE OF 2 X 25 DIL 080
Vial Number: 1

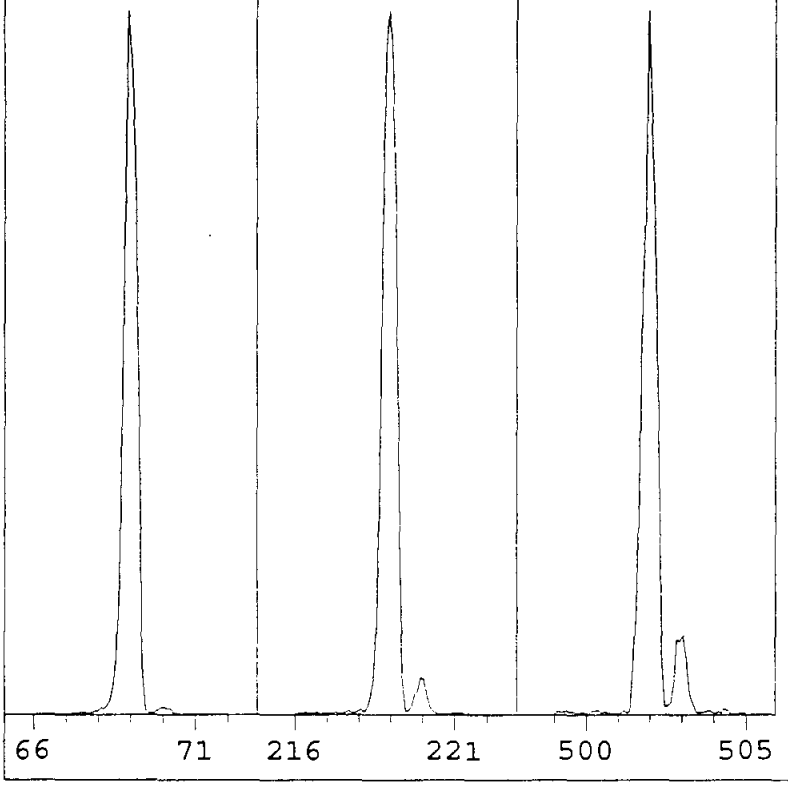


HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Aug 21 10:53:04 1995 C:\HPCHEM\1\5970\ATUNE.U

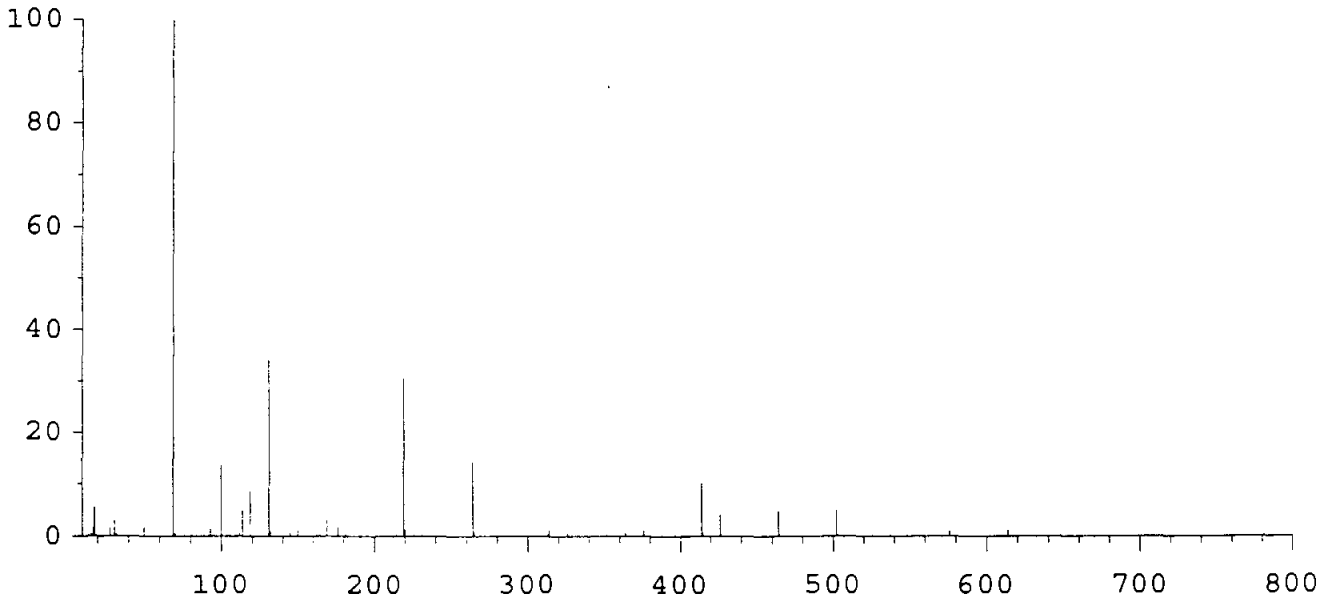
Mass	68.95	Mass	219.00	Mass	502.00
Ab	2900692	%	29.25	%	5.59
Pw50	0.48	Pw50	0.51	Pw50	0.50



EMVolts	2600	AmuGain	87
Xray	56.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	52
MassGain	-217		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

519 peaks Base: 69.00 Abundance: 2399744



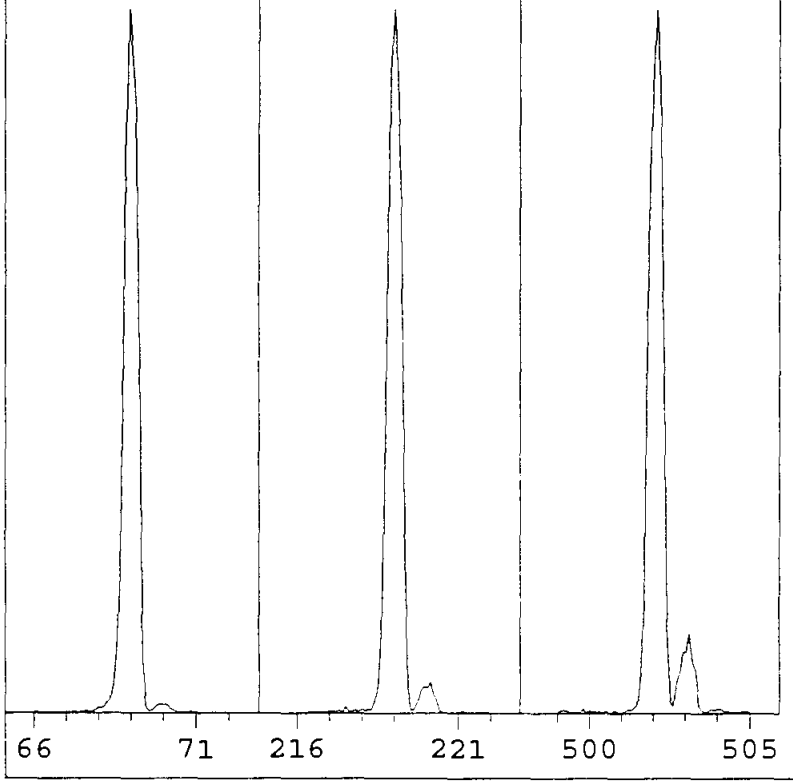
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2399744	100.00	70.10	18656	0.78
218.95	736896	30.71	220.00	34664	4.70
502.00	120272	5.01	503.00	10545	8.77

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Mon Aug 21 11:01:33 1995 C:\HPCHEM\1\5970\ATUNE.U

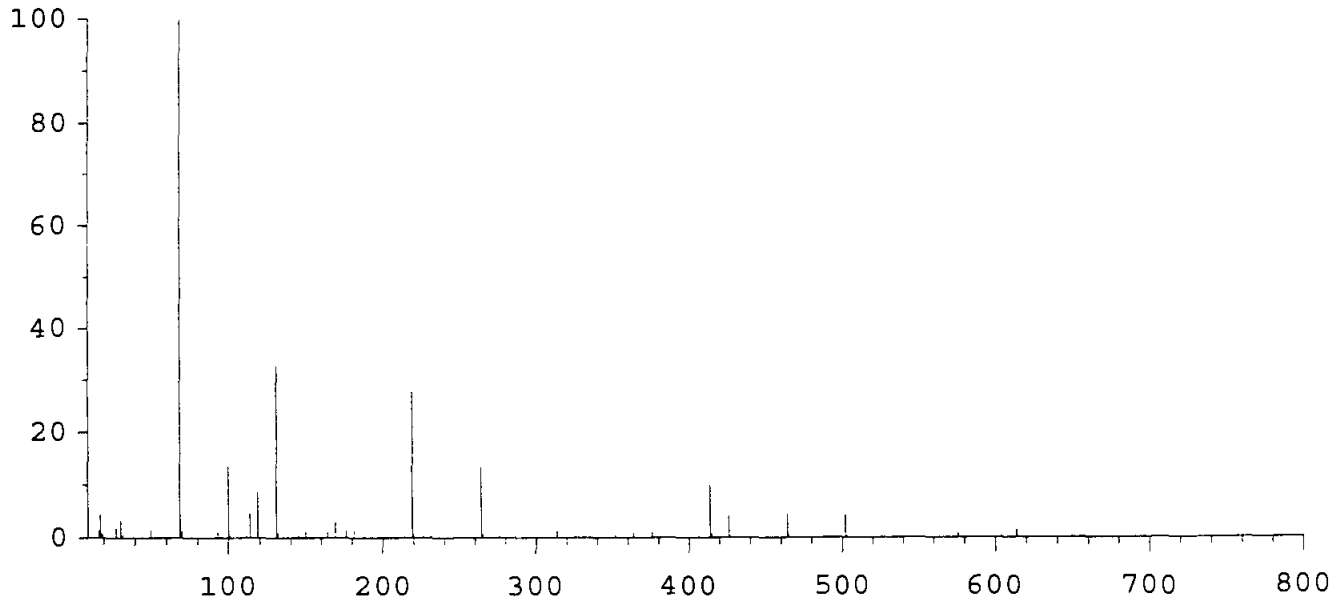
Mass	69.00	Mass	219.00	Mass	502.10
Ab	2908552	%	33.31	%	6.03
Pw50	0.50	Pw50	0.49	Pw50	0.51



EMVolts	2600	AmuGain	87
Xray	56.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	52
MassGain	-208		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

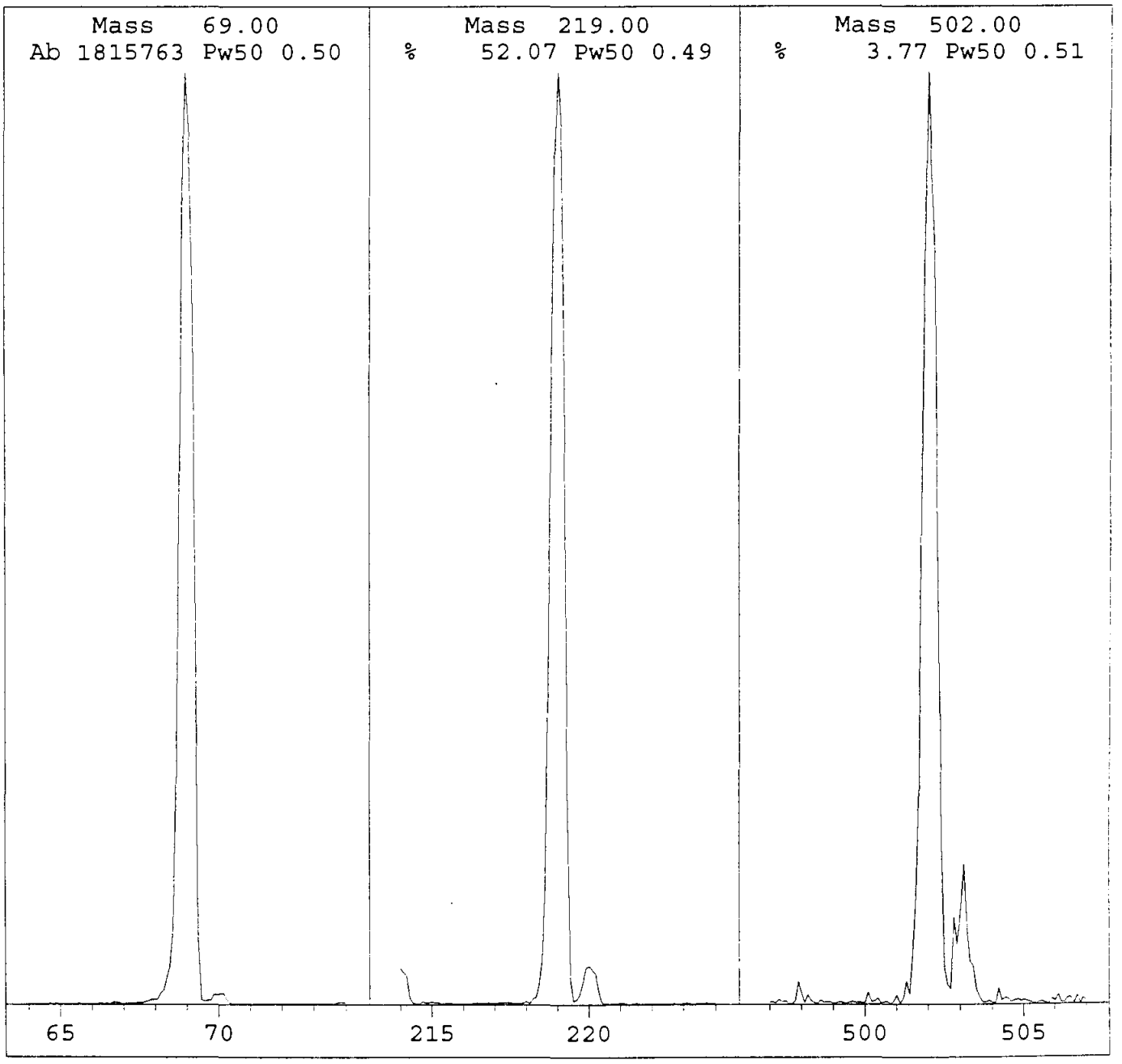
561 peaks Base: 69.05 Abundance: 2703360



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2703360	100.00	70.05	36608	1.35
218.95	757120	28.01	220.05	25128	3.32
502.05	122240	4.52	503.05	13433	10.99

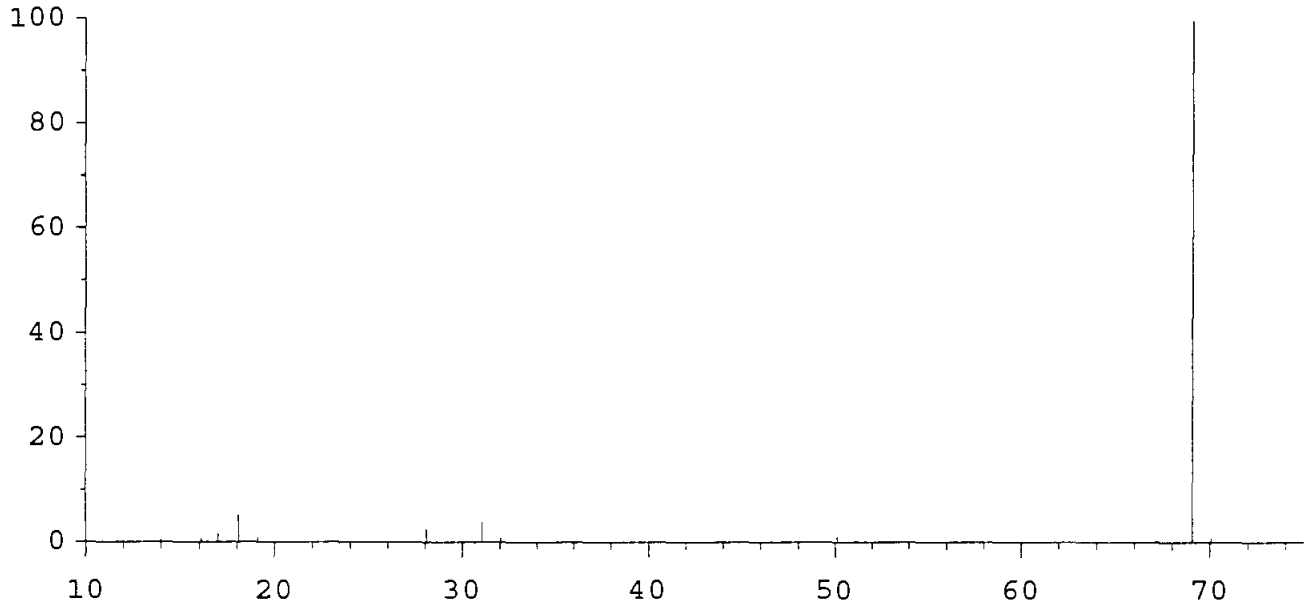
Instrument: 5970 - Instrument1
Mon Aug 21 11:06:18 1995 C:\HPCHEM\1\5970\ATUNE.U

EMVolts	2400	AmuGain	87
Xray	56.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	66
MassGain	-208		
MassOffs	15		



HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Mon Aug 21 11:08:13 1995 C:\HPCHEM\1\5970\ATUNE.U

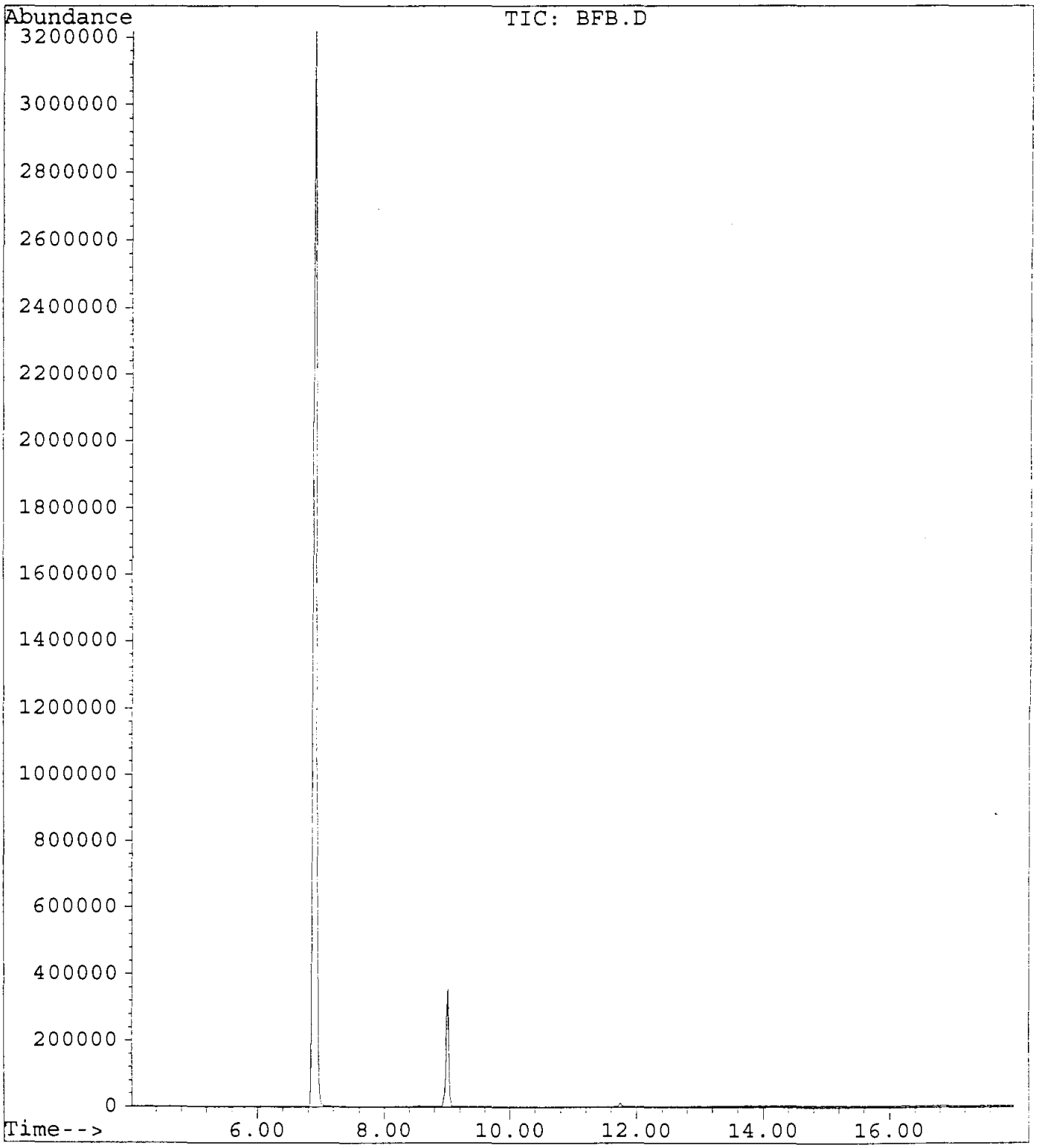
Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
57 peaks Base: 69.05 Abundance: 2567680



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2567680	100.00	70.05	25200	0.98
18.10	133632	5.20	19.10	27952	20.92
28.05	71048	2.77	0.00	0	0.00

HP 5970 Air and Water Check : Mon Aug 21 11:08:14 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 50.0
EMV = 2600
Relative abundances:
18/69 = 5.20 Water%
28/69 = 2.77 Nitrogen%
32/69 = 0.88 Oxygen%
44/69 = 0.27 Carbon Dioxide%
18/28 = 188.09 Water/Nitrogen%

File : C:\HPCHEM\1\DATA\0821\BFB.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 11:15 am using AcqMethod BFB
Instrument : 5970 - In
Sample Name: BFB CHECK
Misc Info : BFB CHECK 0821
Vial Number: 1



4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 11:15
Method	BFB
Misc Info	BFB CHECK 0821
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.902	95.00	Base Peak	2764328	100.00	%	ISTD
2	6.902	50.00	15% to 40% of 95	739171	26.74	%	
3	6.902	75.00	30% to 60% of 95	1478630	53.49	%	
4	6.902	96.00	5% to 9% of 95	198604	7.18	%	
5	6.902	174.00	> 50% of 95	2995767	108.37	%	
6	6.902	174.00		2995767	100.00	%	ISTD
7	6.902	173.00	< 2% of 174	33180	1.11	%	
8	6.902	175.00	5% to 9% of 174	236216	7.88	%	
9	6.919	176.00	>95% , <101% of 174	2984139	99.61	%	
10	6.919	176.00		2984139	100.00	%	ISTD
11	6.919	177.00	5% to 9% of 176	203278	6.81	%	

Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/21/95

Compound	Conc.	Area	RF
Chloromethane	50.01	6072788	0.3479
1,1 Dichloroethane	54.06	11314399	0.5996
Chlorobenzene	45.76	29711531	1.3811
Bromoform	41.25	15500396	0.4847
1,1,2,2-Tetrachloroethane	45.77	13645461	0.8772

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	13962244	54.7596
1,4 Difluorobenzene	40	18804419	61.4173
Chlorobenzene - d5	40	7563262	75.9424
1,4-Dichlorobenzene-d4	40	13594987	66.4368

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Area of Int. Std. from Current Table	Area
Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/21/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	51.73	3.46
1,1-Dichloroethylene	55.48	10.96
Chloroform	56.72	13.44
1,2-Dichloropropane	51.23	2.46
Toluene	56.47	12.94
Ethyl Benzene	46.92	6.16

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 12:36 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.19	78.9 ug/kg	
3	Chloromethane (SPCC)	1.43	50.0 ug/kg	
4	Vinyl Chloride (CCC)	1.78	51.7 ug/kg	
5	Bromomethane	2.49	37.2 ug/kg	
6	Chloroethane	2.89	37.8 ug/kg	
7	Trichlorofluoromethane	3.98	55.7 ug/kg	
8	Acrolein	4.17	347.6 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	55.5 ug/kg	
10	Carbon Disulfide	5.18	539.7 ug/kg	#
11	Iodomethane	4.82	587.1 ug/kg	
12	Acetone	4.52	465.2 ug/kg	
13	Dichloromethane	5.34	56.1 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	52.9 ug/kg	
15	Acrylonitrile	5.34	458.1 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	54.1 ug/kg	
17	Vinyl Acetate	7.33	555.6 ug/kg	
18	2,2-Dichloropropane	8.05	63.6 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	54.1 ug/kg	
20	Methyl Ethyl Ketone	7.66	464.0 ug/kg	
21	Bromochloromethane	7.88	52.1 ug/kg	
22	Chloroform (CCC)	8.02	56.7 ug/kg	
23	1,1,1-Trichloroethane	9.00	59.5 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	47.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	53.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 12:36 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	58.3 ug/kg	
28	Benzene	9.59	51.6 ug/kg	
29	1,2-Dichloroethane	8.91	54.4 ug/kg	
30	Trichloroethylene	10.58	51.0 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	51.2 ug/kg	
32	Dibromomethane	10.42	43.0 ug/kg	#
33	Dichlorobromomethane	10.65	55.1 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	1231.6 ug/kg	
35	trans-1,3-Dichloropropene	12.41	56.7 ug/kg	
36	4-Methyl-2-Pentanone	12.01	571.8 ug/kg	
37	Toluene-d8 (SURR)	12.72	43.7 ug/kg	
38	Toluene (CCC)	12.82	56.5 ug/kg	
39	cis-1,3-Dichloropropene	11.70	55.4 ug/kg	
40	Ethyl Methacrylate	13.28	493.7 ug/kg	
41	1,1,2-Trichloroethane	12.56	51.9 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	37.9 ug/kg	
44	1,3-Dichloropropane	12.93	43.3 ug/kg	
45	2-Hexanone	13.37	432.3 ug/kg	
46	Dibromochloromethane	13.21	42.0 ug/kg	
47	1,2-Dibromoethane	13.55	43.3 ug/kg	
48	Chlorobenzene (SPCC)	14.95	45.8 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	43.8 ug/kg	
50	Ethylbenzene (CCC)	15.37	46.9 ug/kg	
51	m,p-Xylene	15.73	91.3 ug/kg	
52	o-Xylene	16.33	47.4 ug/kg	
53	Styrene	16.23	48.3 ug/kg	
54	Bromoform (SPCC)	15.66	41.3 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	52.5 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	42.3 ug/kg	
58	Bromobenzene	17.19	53.2 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	45.8 ug/kg	
60	1,2,3-Trichloropropane	16.54	46.5 ug/kg	
61	n-Propylbenzene	17.71	59.5 ug/kg	
62	2-Chlorotoluene	17.76	57.1 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	493.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 12:36 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	58.2 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	60.6 ug/kg	
66	tert-Butylbenzene	18.68	60.9 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	60.6 ug/kg	
68	sec-Butylbenzene	19.11	60.2 ug/kg	
69	1,3-Dichlorobenzene	19.08	54.6 ug/kg	
70	1,4-Dichlorobenzene	19.24	52.6 ug/kg	
71	p-Isopropyltoluene	19.56	61.8 ug/kg	
72	1,2-Dichlorobenzene	19.85	56.0 ug/kg	
73	n-Butylbenzene	20.24	61.5 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	42.9 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	L4STD.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 12:36
Method	8260LLS
Misc Info	LEVEL 4 STANDARD 50 - 500 PPB 0821
Bottle Number	1
Number of Compounds	74

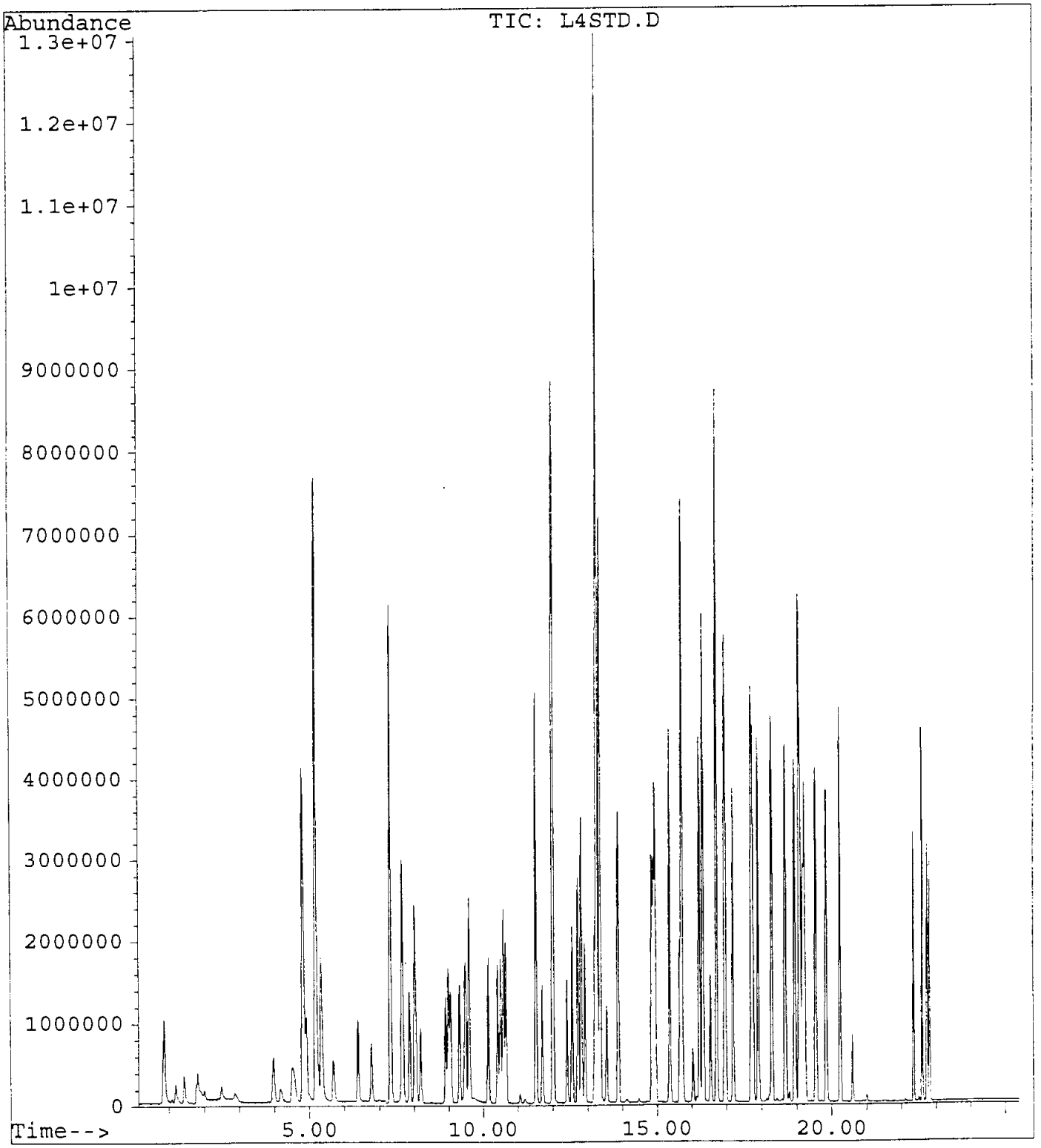
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.066	168.00	Pentafluorobenzene	13962244	40.00	ug/kg	*ISTD
2	1.192	85.00	Dichlorodifluoromethane	4378340	78.93	ug/kg	
3	1.432	50.00	Chloromethane (SPCC)	6072788	50.01	ug/kg	
4	1.780	62.00	Vinyl Chloride (CCC)	4416485	51.73	ug/kg	
5	2.494	94.00	Bromomethane	1549458	37.18	ug/kg	
6	2.888	64.00	Chloroethane	745522	37.81	ug/kg	
7	3.982	101.00	Trichlorofluoromethane	10334352	55.70	ug/kg	
8	4.171	56.00	Acrolein	4134861	347.59	ug/kg	
9	4.921	61.00	1,1-Dichloroethylene (CCC)	10934880	55.48	ug/kg	
10	5.184	78.00	Carbon Disulfide	14685595	539.74	ug/kg	
11	4.815	127.00	Iodomethane	62974673	587.08	ug/kg	
12	4.524	43.00	Acetone	24406127	465.15	ug/kg	
13	5.343	49.00	Dichloromethane	11309108	56.14	ug/kg	
14	6.390	61.00	trans-1,2-Dichloroethylene	9107220	52.87	ug/kg	
15	5.340	53.00	Acrylonitrile	16264685	458.08	ug/kg	
16	6.778	63.00	1,1-Dichloroethane (SPCC)	11314399	54.06	ug/kg	
17	7.326	86.00	Vinyl Acetate	3522346	555.63	ug/kg	
18	8.050	77.00	2,2-Dichloropropane	14340362	63.58	ug/kg	
19	7.678	61.00	cis-1,2-Dichloroethylene	13102328	54.10	ug/kg	
20	7.660	72.00	Methyl Ethyl Ketone	6008739	464.04	ug/kg	

001176

21	7.878	130.00	Bromochloromethane		4850101	52.07	ug/kg	
22	8.022	83.00	Chloroform (CCC)		17009741	56.72	ug/kg	
23	8.997	97.00	1,1,1-Trichloroethane		17491764	59.51	ug/kg	
24	8.197	113.00	Dibromofluoromethane (SURR)		7738092	46.97	ug/kg	
25	10.149	114.00	1,4-Difluorobenzene		18804419	40.00	ug/kg	ISTD
26	9.315	75.00	1,1-Dichloropropene		12885341	53.26	ug/kg	
27	9.486	117.00	Carbon Tetrachloride		16603325	58.32	ug/kg	
28	9.593	78.00	Benzene		29854443	51.62	ug/kg	
29	8.914	62.00	1,2-Dichloroethane		16509790	54.44	ug/kg	
30	10.583	130.00	Trichloroethylene		9796868	51.04	ug/kg	
31	10.496	63.00	1,2-Dichloropropane (CCC)		9911022	51.23	ug/kg	
32	10.416	174.00	Dibromomethane		8845122	43.00	ug/kg	
33	10.653	83.00	Dichlorobromomethane		17190346	55.07	ug/kg	
34	11.521	63.00	2-Chloroethyl Vinyl Ether		28463129	1231.61	ug/kg	
35	12.409	75.00	trans-1,3-Dichloropropene		14806037	56.66	ug/kg	
36	12.009	43.00	4-Methyl-2-Pentanone		1.37E+08	571.82	ug/kg	
37	12.721	98.00	Toluene-d8 (SURR)		24692491	43.65	ug/kg	
38	12.821	91.00	Toluene (CCC)		38531935	56.47	ug/kg	
39	11.702	75.00	cis-1,3-Dichloropropene		15612233	55.38	ug/kg	
40	13.280	99.00	Ethyl Methacrylate		25121261	493.70	ug/kg	
41	12.558	97.00	1,1,2-Trichloroethane		9342861	51.94	ug/kg	
42	14.900	54.00	Chlorobenzene-d5		7563262	40.00	ug/kg	ISTD
43	13.889	166.00	Tetrachloroethylene		17489050	37.89	ug/kg	
44	12.929	76.00	1,3-Dichloropropane		14824593	43.28	ug/kg	
45	13.367	43.00	2-Hexanone		99960062	432.35	ug/kg	
46	13.210	129.00	Dibromochloromethane		13943638	41.95	ug/kg	
47	13.552	107.00	1,2-Dibromoethane		10430935	43.32	ug/kg	
48	14.953	112.00	Chlorobenzene (SPCC)		29711531	45.76	ug/kg	

49	14.856	131.00	1,1,1,2-Tetrachloroethane		13429458	43.76	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		51019862	46.92	ug/kg	
51	15.727	106.00	m,p-Xylene		31901097	91.29	ug/kg	
52	16.333	91.00	o-Xylene		43330985	47.41	ug/kg	
53	16.227	104.00	Styrene		28094539	48.35	ug/kg	
54	15.665	173.00	Bromoform (SPCC)		15500396	41.25	ug/kg	
55	19.188	152.00	1,4-Dichlorobenzene-d4		13594987	40.00	ug/kg	ISTD
56	16.973	105.00	Isopropylbenzene		44340727	52.47	ug/kg	
57	16.946	95.00	4-Bromofluorobenzene (SURR)		13358515	42.29	ug/kg	
58	17.191	158.00	Bromobenzene		17213531	53.19	ug/kg	
59	16.321	83.00	1,1,2,2-Tetrachloroethane (SPCC)		13645461	45.77	ug/kg	
60	16.542	75.00	1,2,3-Trichloropropane		12016131	46.54	ug/kg	
61	17.714	91.00	n-Propylbenzene		1.03E+08	59.46	ug/kg	
62	17.758	126.00	2-Chlorotoluene		12918925	57.12	ug/kg	
63	16.720	75.00	1,4-Dichloro-2-Butene		36181406	493.28	ug/kg	
64	17.907	91.00	4-Chlorotoluene		40816391	58.17	ug/kg	
65	18.297	105.00	1,3,5-Trimethylbenzene		43544049	60.62	ug/kg	
66	18.684	119.00	tert-Butylbenzene		35909163	60.86	ug/kg	
67	18.955	120.00	1,2,4-Trimethylbenzene		18236944	60.57	ug/kg	
68	19.111	105.00	sec-Butylbenzene		48277277	60.18	ug/kg	
69	19.084	146.00	1,3-Dichlorobenzene		26439351	54.59	ug/kg	
70	19.238	146.00	1,4-Dichlorobenzene		26262885	52.60	ug/kg	
71	19.558	119.00	p-Isopropyltoluene		41098816	61.80	ug/kg	
72	19.854	146.00	1,2-Dichlorobenzene		25980718	55.98	ug/kg	
73	20.244	91.00	n-Butylbenzene		40956038	61.55	ug/kg	
74	20.602	157.00	1,2-Dibromo-3-Chloropropane		3835956	42.95	ug/kg	

File : C:\HPCHEM\1\DATA\0821\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 12:36 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0821
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: BLANK
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 11:56
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	102.5 %	80 - 120
Toluene-d8	112.5 %	81 - 117
4-Bromofluorobenzene	102.3 %	74 - 121

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 11:56 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	2.46	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.50	4.0 ug/kg	#
13	Dichloromethane	5.34	-8.8 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.00	0.2 ug/kg	#
23	1,1,1-Trichloroethane	***** NOT FOUND *****		
24	Dibromofluoromethane (SURR)	8.19	41.0 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 11:56 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	***** NOT FOUND *****		
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.27	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	12.14	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	45.0 ug/kg	
38	Toluene (CCC)	12.83	0.1 ug/kg	#
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.41	0.1 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.90	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	***** NOT FOUND *****		
51	m,p-Xylene	***** NOT FOUND *****		
52	o-Xylene	***** NOT FOUND *****		
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	***** NOT FOUND *****		
57	4-Bromofluorobenzene (SURR)	16.94	40.9 ug/kg	
58	Bromobenzene	17.07	0.0 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	***** NOT FOUND *****		
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 11:56 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	***** NOT FOUND *****		
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.13	0.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.64	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 11:56
Method	8260LLS
Misc Info	BLANK 0821
Bottle Number	1
Number of Compounds	74

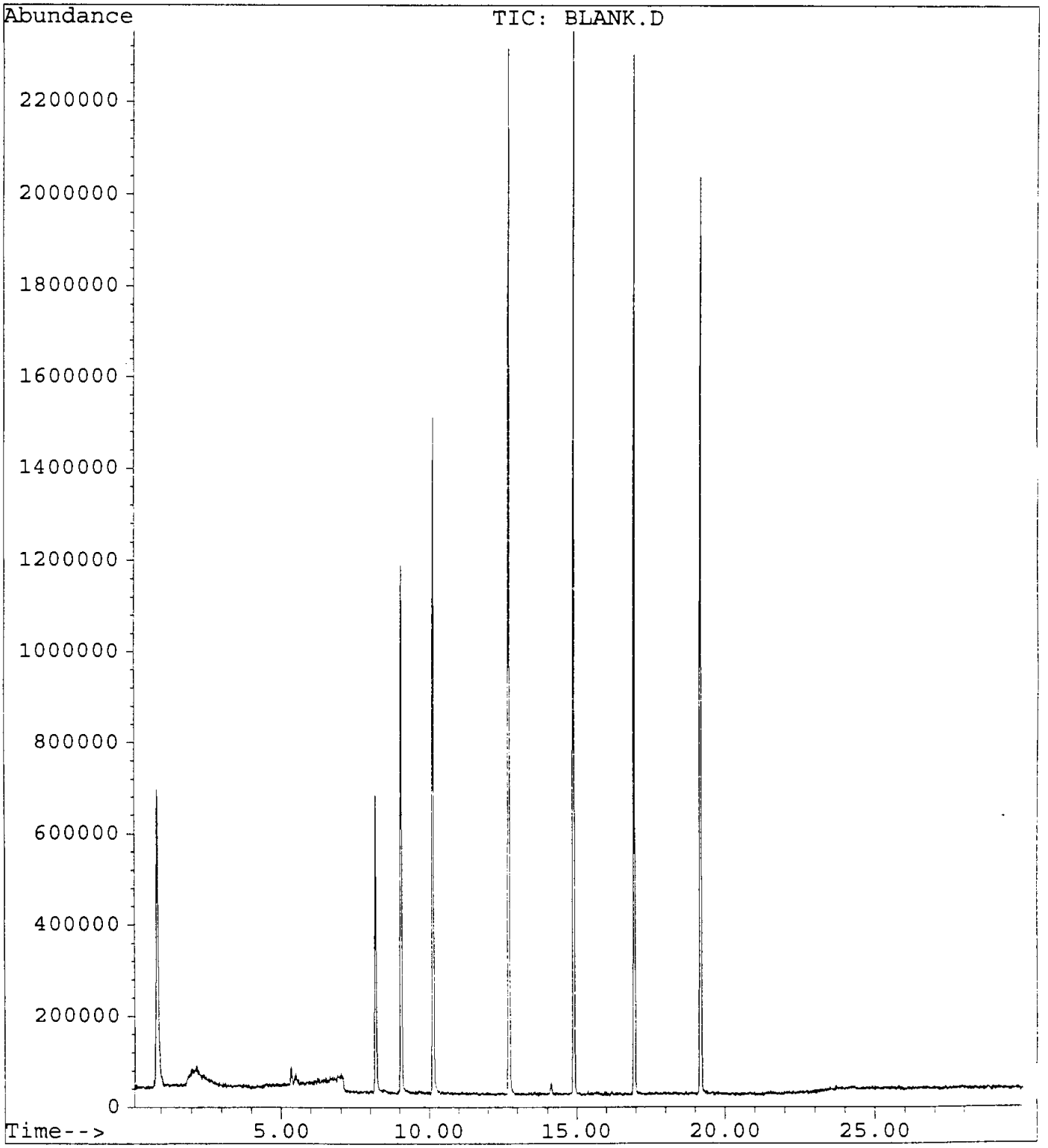
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.062	168.00	Pentafluorobenzene	12329571	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	2.463	94.00	Bromomethane	19219	0.52	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.496	43.00	Acetone	162543	3.97	ug/kg	
13	5.339	49.00	Dichloromethane	401570	-8.77	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

001185

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	7.995	83.00	Chloroform (CCC)		44944	0.16	ug/kg	
23	0.000	97.00	1,1,1-Trichloroethane		0	0.00	ug/kg	
24	8.190	113.00	Dibromofluoromethane (SURR)		5967394	41.02	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		15796633	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	0.000	78.00	Benzene		0	0.00	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.267	75.00	trans-1,3-Dichloropropene		11154	0.07	ug/kg	
36	12.139	43.00	4-Methyl-2-Pentanone		26693	0.10	ug/kg	
37	12.720	98.00	Toluene-d8 (SURR)		21360407	44.95	ug/kg	
38	12.834	91.00	Toluene (CCC)		49291	0.08	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.899	54.00	Chlorobenzene-d5		6097701	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.407	43.00	2-Hexanone		24676	0.12	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.899	112.00	Chlorobenzene (SPCC)		17202	0.03	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	0.000	91.00	Ethylbenzene (CCC)		0	0.00	ug/kg	
51	0.000	106.00	m,p-Xylene		0	0.00	ug/kg	
52	0.000	91.00	o-Xylene		0	0.00	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.188	152.00	1,4-Dichlorobenzene-d4		10600056	40.00	ug/kg	ISTD
56	0.000	105.00	Isopropylbenzene		0	0.00	ug/kg	
57	16.943	95.00	4-Bromofluorobenzene (SURR)		10069401	40.89	ug/kg	
58	17.074	158.00	Bromobenzene		9108	0.03	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	0.000	91.00	n-Propylbenzene		0	0.00	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	0.000	91.00	4-Chlorotoluene		0	0.00	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.131	91.00	n-Butylbenzene		5364	0.01	ug/kg	
74	20.644	157.00	1,2-Dibromo-3-Chloropropane		6623	0.08	ug/kg	

File : C:\HPCHEM\1\DATA\0821\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 11:56 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0821
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0001S
Control No.: 83586
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 13:42
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	62	62
Acrolein	<	62	62
Acrylonitrile	<	62	62
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	62	62
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	62	62
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	62	62

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	37	37
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	99.5 %	80 - 120
Toluene-d8	108.0 %	81 - 117
4-Bromofluorobenzene	97.0 %	74 - 121

Percent Solids	81.0 %

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815901.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 1:42 pm using AcqMethod 8260LLS
Sample Name: 50815901 (83586) COMP. OF 1
Misc Info : 50815901 (83586) COMP. OF 1 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.20	0.3 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.51	23.4 ug/kg	
13	Dichloromethane	5.35	-2.5 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.35	4.4 ug/kg	#
16	1,1-Dichloroethane (SPCC)	7.10	0.2 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.70	3.4 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	0.4 ug/kg	#
24	Dibromofluoromethane (SURR)	8.20	39.8 ug/kg	
25	1,4-Difluorobenzene	10.16	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	0.1 ug/kg	#

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815901.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 1:42 pm using AcqMethod 8260LLS
Sample Name: 50815901 (83586) COMP. OF 1
Misc Info : 50815901 (83586) COMP. OF 1 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	#
29	1,2-Dichloroethane	9.07	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.42	0.2 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	2.0 ug/kg	
37	Toluene-d8 (SURR)	12.73	43.2 ug/kg	
38	Toluene (CCC)	12.83	0.4 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.30	1.2 ug/kg	
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.38	5.0 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.39	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.2 ug/kg	#
52	o-Xylene	16.34	0.1 ug/kg	#
53	Styrene	16.23	0.1 ug/kg	#
54	Bromoform (SPCC)	15.66	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	38.8 ug/kg	
58	Bromobenzene	17.19	0.1 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.33	0.2 ug/kg	
60	1,2,3-Trichloropropane	16.56	0.3 ug/kg	#
61	n-Propylbenzene	17.75	0.1 ug/kg	#
62	2-Chlorotoluene	17.75	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815901.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 1:42 pm using AcqMethod 8260LLS
Sample Name: 50815901 (83586) COMP. OF 1
Misc Info : 50815901 (83586) COMP. OF 1 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.92	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	
66	tert-Butylbenzene	18.70	0.1 ug/kg	
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.11	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.09	0.2 ug/kg	
70	1,4-Dichlorobenzene	19.26	0.1 ug/kg	#
71	p-Isopropyltoluene	19.56	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.87	0.3 ug/kg	
73	n-Butylbenzene	20.25	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.3 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

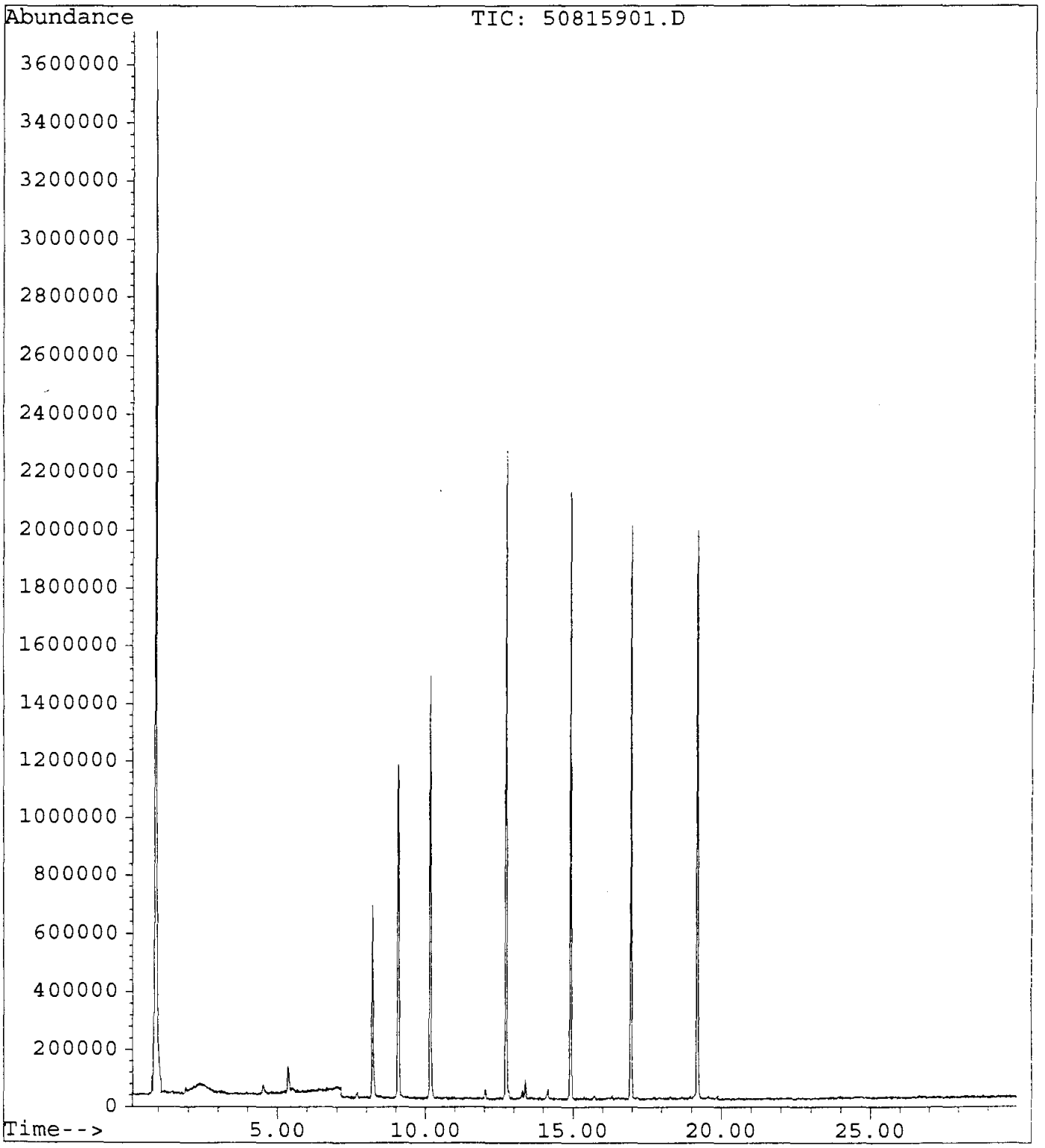
File Name	50815901.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 13:42
Method	8260LLS
Misc Info	50815901 (83586) COMP. OF 1 0821
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.071	168.00	Pentafluorobenzene	12782418	40.00	ug/kg	*ISTD
2	1.197	85.00	Dichlorodifluoromethane	18030	0.32	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.513	43.00	Acetone	999957	23.43	ug/kg	
13	5.349	49.00	Dichloromethane	1168055	-2.55	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.355	53.00	Acrylonitrile	125753	4.38	ug/kg	
16	7.098	63.00	1,1-Dichloroethane (SPCC)	47244	0.25	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.698	72.00	Methyl Ethyl Ketone	36684	3.40	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.021	83.00	Chloroform (CCC)		30169	0.10	ug/kg	
23	8.993	97.00	1,1,1-Trichloroethane		95003	0.35	ug/kg	
24	8.200	113.00	Dibromofluoromethane (SURR)		6006650	39.83	ug/kg	
25	10.155	114.00	1,4-Difluorobenzene		16033965	40.00	ug/kg	ISTD
26	9.320	75.00	1,1-Dichloropropene		23510	0.12	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.587	78.00	Benzene		45092	0.09	ug/kg	
29	9.068	62.00	1,2-Dichloroethane		17505	0.08	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.425	174.00	Dibromomethane		37201	0.21	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.027	43.00	4-Methyl-2-Pentanone		552494	2.03	ug/kg	
37	12.727	98.00	Toluene-d8 (SURR)		20832820	43.19	ug/kg	
38	12.828	91.00	Toluene (CCC)		230348	0.35	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.299	99.00	Ethyl Methacrylate		59948	1.21	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.905	54.00	Chlorobenzene-d5		5607316	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.375	43.00	2-Hexanone		911089	4.98	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.952	112.00	Chlorobenzene (SPCC)		42327	0.09	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.387	91.00	Ethylbenzene (CCC)		64840	0.08	ug/kg	
51	15.732	106.00	m,p-Xylene		55521	0.21	ug/kg	
52	16.342	91.00	o-Xylene		46575	0.07	ug/kg	
53	16.232	104.00	Styrene		31328	0.08	ug/kg	
54	15.657	173.00	Bromoform (SPCC)		29136	0.12	ug/kg	
55	19.192	152.00	1,4-Dichlorobenzene-d4		10081619	40.00	ug/kg	ISTD
56	16.962	105.00	Isopropylbenzene		67118	0.09	ug/kg	
57	16.948	95.00	4-Bromofluorobenzene (SURR)		9092329	38.82	ug/kg	
58	17.191	158.00	Bromobenzene		32009	0.12	ug/kg	
59	16.330	83.00	1,1,2,2-Tetrachloroethane (SPCC)		53633	0.21	ug/kg	
60	16.560	75.00	1,2,3-Trichloropropane		65975	0.31	ug/kg	
61	17.745	91.00	n-Propylbenzene		126259	0.09	ug/kg	
62	17.754	126.00	2-Chlorotoluene		25727	0.14	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.919	91.00	4-Chlorotoluene		67904	0.12	ug/kg	
65	18.301	105.00	1,3,5-Trimethylbenzene		76563	0.14	ug/kg	
66	18.696	119.00	tert-Butylbenzene		51778	0.12	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.115	105.00	sec-Butylbenzene		75741	0.14	ug/kg	
69	19.092	146.00	1,3-Dichlorobenzene		78856	0.21	ug/kg	
70	19.256	146.00	1,4-Dichlorobenzene		47867	0.13	ug/kg	
71	19.565	119.00	p-Isopropyltoluene		53387	0.12	ug/kg	
72	19.871	146.00	1,2-Dichlorobenzene		84611	0.25	ug/kg	
73	20.245	91.00	n-Butylbenzene		60188	0.15	ug/kg	
74	20.602	157.00	1,2-Dibromo-3-Chloropropane		24547	0.33	ug/kg	

File : C:\HPCHEM\1\DATA\0821\50815901.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 1:42 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815901 (83586) COMP. OF 1
Misc Info : 50815901 (83586) COMP. OF 1 0821
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0031 (A-C)
Control No.: 83587
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 21-Aug-95 15:49
Units - ug/Kg dw

Compounds	Results		Detection Limit
Acetone	<	55	55
Acrolein	<	55	55
Acrylonitrile	<	55	55
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	55	55
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	22	22
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	27	27
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	16	16
2-Hexanone	<	55	55
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	55	55

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	33	33
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		Range
Dibromofluoromethane	91.8 %	80 - 120
Toluene-d8	106.0 %	81 - 117
4-Bromofluorobenzene	99.0 %	74 - 121

Percent Solids	91.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815902.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:49 pm using AcqMethod 8260LLS
Sample Name: 50815902 (83587) COMP. OF 3
Misc Info : 50815902 (83587) COMP. OF 3 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.3 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.82	1.0 ug/kg	#
12	Acetone	4.56	15.3 ug/kg	
13	Dichloromethane	5.34	-7.3 ug/kg	
14	trans-1,2-Dichloroethylene	6.42	0.2 ug/kg	#
15	Acrylonitrile	5.38	1.8 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	7.20	5.6 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.67	5.0 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.2 ug/kg	
23	1,1,1-Trichloroethane	9.00	2.0 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	36.7 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.28	0.4 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815902.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:49 pm using AcqMethod 8260LLS
Sample Name: 50815902 (83587) COMP. OF 3
Misc Info : 50815902 (83587) COMP. OF 3 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.47	0.1 ug/kg	#
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	9.05	0.2 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	1.0 ug/kg	
37	Toluene-d8 (SURR)	12.71	42.4 ug/kg	
38	Toluene (CCC)	12.81	1.6 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.89	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	5.3 ug/kg	
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.95	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.1 ug/kg	
51	m,p-Xylene	15.73	0.2 ug/kg	
52	o-Xylene	16.32	0.1 ug/kg	
53	Styrene	16.24	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	39.6 ug/kg	
58	Bromobenzene	17.18	0.1 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.1 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0821\50815902.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:49 pm using AcqMethod 8260LLS
Sample Name: 50815902 (83587) COMP. OF 3
Misc Info : 50815902 (83587) COMP. OF 3 0821
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.92	0.1 ug/kg	
65	1,3,5-Trimethylbenzene	18.29	0.2 ug/kg	#
66	tert-Butylbenzene	18.68	0.1 ug/kg	
67	1,2,4-Trimethylbenzene	18.95	0.3 ug/kg	#
68	sec-Butylbenzene	19.10	0.2 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.23	0.3 ug/kg	
71	p-Isopropyltoluene	19.55	0.1 ug/kg	#
72	1,2-Dichlorobenzene	19.86	0.2 ug/kg	
73	n-Butylbenzene	20.23	0.3 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.61	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50815902.D
Data Path	C:\HPCHEM\1\DATA\0821\
Operator	CHARLES M. JOHNSON
Date/Time	8/21/95 15:49
Method	8260LLS
Misc Info	50815902 (83587) COMP. OF 3 0821
Bottle Number	1
Number of Compounds	74

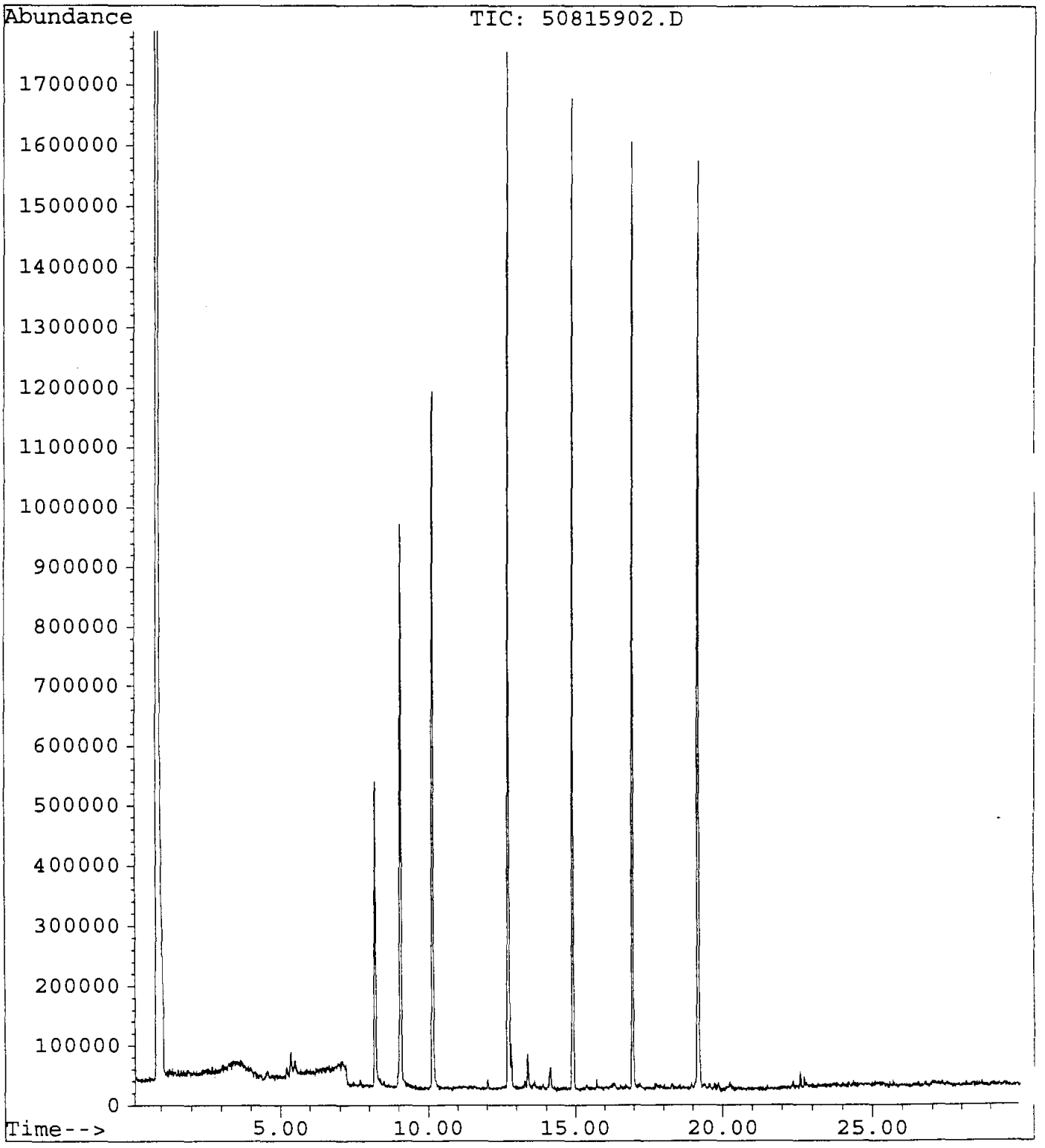
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.057	168.00	Pentafluorobenzene	10141703	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.968	101.00	Trichlorofluoromethane	43635	0.31	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.823	127.00	Iodomethane	58310	0.97	ug/kg	
12	4.560	43.00	Acetone	515687	15.27	ug/kg	
13	5.342	49.00	Dichloromethane	467432	-7.31	ug/kg	
14	6.423	61.00	trans-1,2-Dichloroethylene	24479	0.21	ug/kg	
15	5.375	53.00	Acrylonitrile	41447	1.82	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	7.203	86.00	Vinyl Acetate	15796	5.55	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.672	72.00	Methyl Ethyl Ketone	42910	5.01	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.011	83.00	Chloroform (CCC)		54718	0.23	ug/kg	
23	8.997	97.00	1,1,1-Trichloroethane		432649	2.01	ug/kg	
24	8.189	113.00	Dibromofluoromethane (SURR)		4392288	36.71	ug/kg	
25	10.141	114.00	1,4-Difluorobenzene		12920135	40.00	ug/kg	ISTD
26	9.283	75.00	1,1-Dichloropropene		58601	0.36	ug/kg	
27	9.467	117.00	Carbon Tetrachloride		20122	0.12	ug/kg	
28	9.597	78.00	Benzene		43539	0.11	ug/kg	
29	9.049	62.00	1,2-Dichloroethane		44304	0.24	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.012	43.00	4-Methyl-2-Pentanone		219070	1.00	ug/kg	
37	12.714	98.00	Toluene-d8 (SURR)		16470946	42.38	ug/kg	
38	12.814	91.00	Toluene (CCC)		825990	1.57	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.893	54.00	Chlorobenzene-d5		4387970	40.00	ug/kg	ISTD
43	13.883	166.00	Tetrachloroethylene		29406	0.10	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.365	43.00	2-Hexanone		752942	5.26	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.951	112.00	Chlorobenzene (SPCC)		34641	0.09	ug/kg	

001201

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.372	91.00	Ethylbenzene (CCC)		75635	0.12	ug/kg	
51	15.735	106.00	m,p-Xylene		43629	0.21	ug/kg	
52	16.318	91.00	o-Xylene		48317	0.09	ug/kg	
53	16.235	104.00	Styrene		27709	0.09	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.177	152.00	1,4-Dichlorobenzene-d4		7773532	40.00	ug/kg	ISTD
56	16.964	105.00	Isopropylbenzene		44700	0.08	ug/kg	
57	16.937	95.00	4-Bromofluorobenzene (SURR)		7155297	39.62	ug/kg	
58	17.182	158.00	Bromobenzene		23830	0.12	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.709	91.00	n-Propylbenzene		123132	0.12	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.917	91.00	4-Chlorotoluene		53272	0.13	ug/kg	
65	18.289	105.00	1,3,5-Trimethylbenzene		68606	0.16	ug/kg	
66	18.680	119.00	tert-Butylbenzene		43172	0.13	ug/kg	
67	18.946	120.00	1,2,4-Trimethylbenzene		45132	0.26	ug/kg	
68	19.096	105.00	sec-Butylbenzene		90621	0.21	ug/kg	
69	19.078	146.00	1,3-Dichlorobenzene		24869	0.09	ug/kg	
70	19.234	146.00	1,4-Dichlorobenzene		90737	0.32	ug/kg	
71	19.547	119.00	p-Isopropyltoluene		38793	0.11	ug/kg	
72	19.858	146.00	1,2-Dichlorobenzene		60389	0.23	ug/kg	
73	20.235	91.00	n-Butylbenzene		94678	0.30	ug/kg	
74	20.607	157.00	1,2-Dibromo-3-Chloropropane		9989	0.17	ug/kg	

File : C:\HPCHEM\1\DATA\0821\50815902.D
Operator : CHARLES M. JOHNSON
Acquired : 21 Aug 95 3:49 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815902 (83587) COMP. OF 3
Misc Info : 50815902 (83587) COMP. OF 3 0821
Vial Number: 1



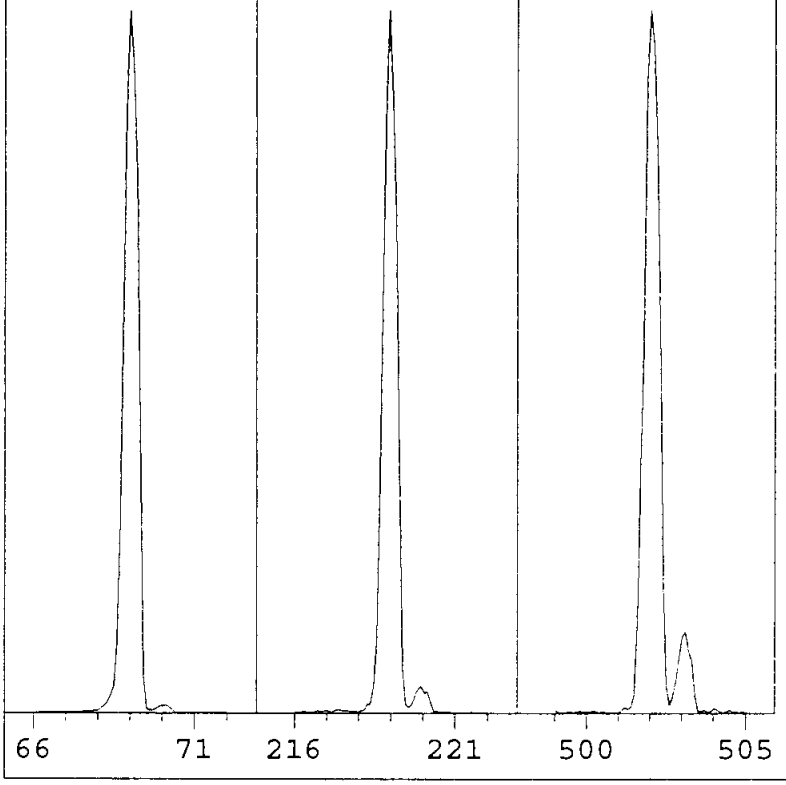
8/22/95
VOL

HP5970 Extended Autotune

Instrument: 5970 - Instrument1

Tue Aug 22 10:24:17 1995 C:\HPCHEM\1\5970\ATUNE.U

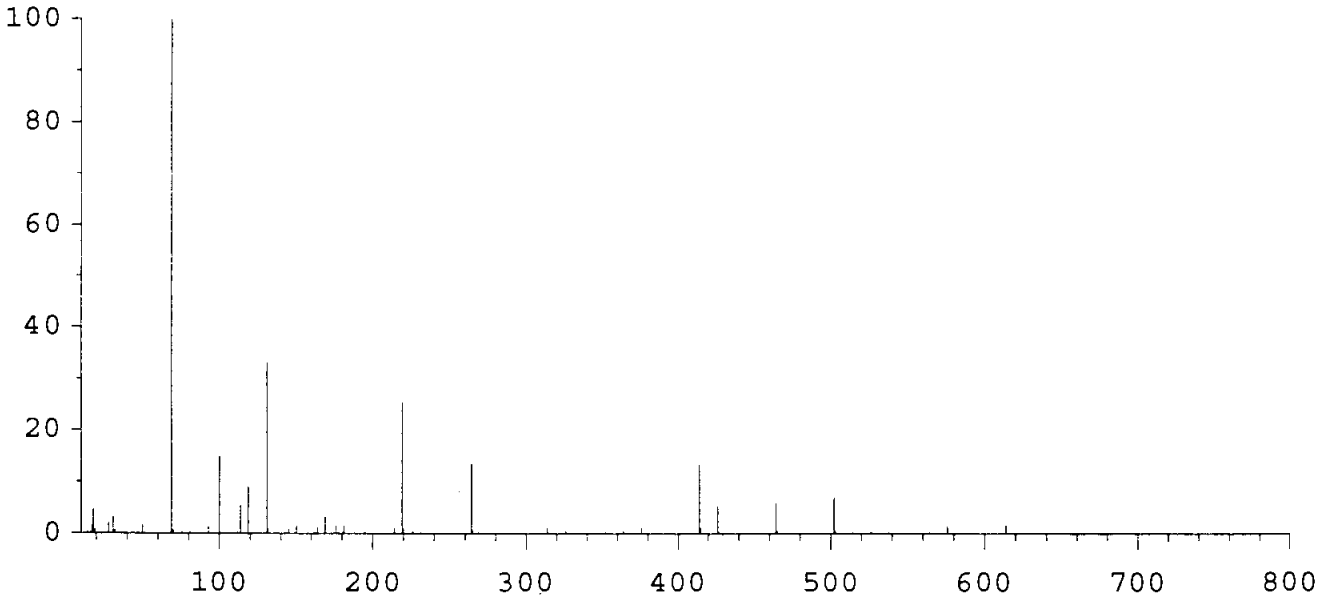
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1647076	%	31.46	%	6.99
Pw50	0.50	Pw50	0.50	Pw50	0.53



EMVolts	2400	AmuGain	87
Xray	56.0	AmuOffs	57
Emission	ON		
Samples	16	Repeller	10.20
Averages	1	IonFocus	0.0
StepSize	0.10	EntLens	52
MassGain	-203		
MassOffs	15		

Scan: 10.00 - 800.00 Samples: 16 Thresh: 500 Step: 0.10

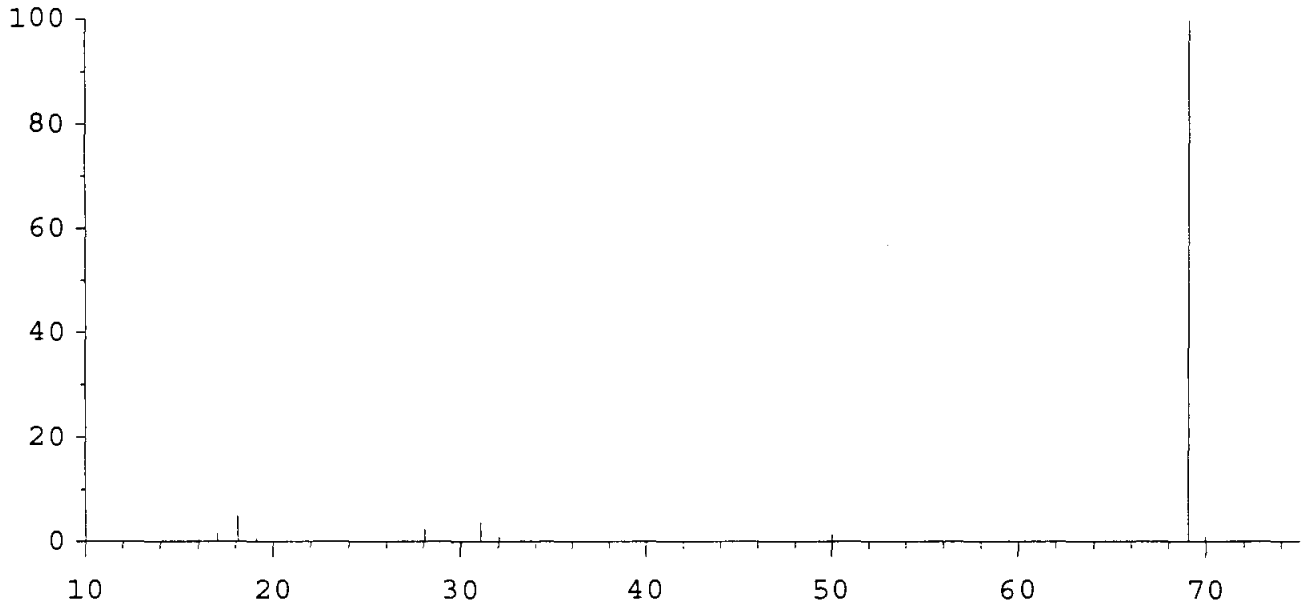
363 peaks Base: 69.00 Abundance: 1411072



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1411072	100.00	70.00	12645	0.90
219.00	357504	25.34	219.90	14868	4.16
502.05	98400	6.97	503.05	11050	11.23

HP 5970 Air and Water Check
Instrument: 5970 - Instrument1
Tue Aug 22 10:28:25 1995 C:\HPCHEM\1\5970\ATUNE.U

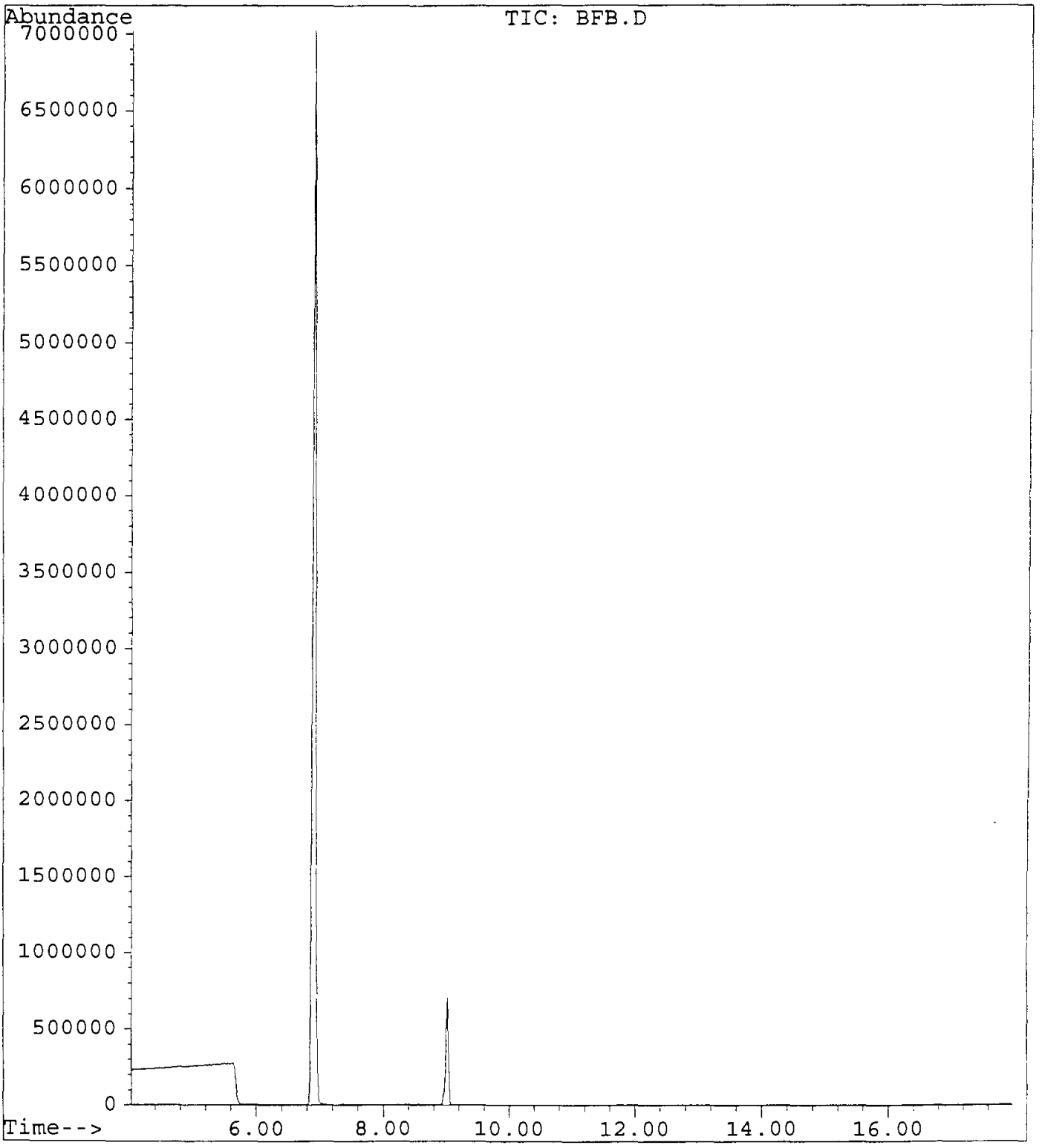
Scan: 10.00 - 75.00 Samples: 16 Thresh: 500 Step: 0.10
62 peaks Base: 69.05 Abundance: 2602496



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	2602496	100.00	69.95	28336	1.09
18.10	135104	5.19	19.10	21040	15.57
28.05	65136	2.50	29.65	1802	2.77

HP 5970 Air and Water Check : Tue Aug 22 10:28:26 1995
Instrument: 5970 - Instrument1
Standard params used
Entrance Lens = 50.0
EMV = 2600
Relative abundances:
18/69 = 5.19 Water%
28/69 = 2.50 Nitrogen%
32/69 = 1.13 Oxygen%
44/69 = 0.24 Carbon Dioxide%
18/28 = 207.42 Water/Nitrogen%

File : C:\HPCHEM\1\DATA\0822\BFB.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 10:33 am using AcqMethod BFB
Instrument : 5970 - In
Sample Name: BFB CHECK
Misc Info : BFB CHECK 0822
Vial Number: 1



4- Bromofluorobenzene Check Sample

File Name	BFB.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 10:33
Method	BFB
Misc Info	BFB CHECK 0822
Bottle Number	1
Number of Compounds	11

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	6.903	95.00	Base Peak	5812988	100.00	%	ISTD
2	6.903	50.00	15% to 40% of 95	1578284	27.15	%	
3	6.903	75.00	30% to 60% of 95	3159593	54.35	%	
4	6.903	96.00	5% to 9% of 95	428534	7.37	%	
5	6.903	174.00	> 50% of 95	6005619	103.31	%	
6	6.903	174.00		6005619	100.00	%	ISTD
7	6.903	173.00	< 2% of 174	75196	1.25	%	
8	6.903	175.00	5% to 9% of 174	498998	8.31	%	
9	6.903	176.00	>95% , <101% of 174	6015695	100.17	%	
10	6.903	176.00		6015695	100.00	%	ISTD
11	6.903	177.00	5% to 9% of 176	426774	7.09	%	

REPLACE

Method 8260 System Performance Check Compounds
And Internal Standard Checks
Low Level Soil Method

DATE: 8/22/95

Compound	Conc.	Area	RF
Chloromethane	45.89	13523385	0.3525
1,1 Dichloroethane	52.45	26282959	0.5993
Chlorobenzene	47.11	69549355	1.3027
Bromoform	46.06	39809251	0.4905
1,1,2,2-Tetrachloroethane	55.04	35880621	0.8535

Int. Std.	Conc.	Area	% of Calib
Pentafluorobenzene	40	33444610	131.1690
1,4 Difluorobenzene	40	45332369	148.0605
Chlorobenzene - d5	40	17189858	172.6026
1,4-Dichlorobenzene-d4	40	30553556	149.3111

The RF must be greater than 0.1 for all except chlorobenzene and 1,1,2,2- Tetrachloroethane at 0.3
Internal Standards must be 50 - 200 % of current calibration

Area of Int. Std. from Current Table	Area
Pentafluorobenzene	25497338
1,4 Difluorobenzene	30617473
Chlorobenzene - d5	9959210
1,4-Dichlorobenzene-d4	20463023

Method 8260 Continuing Calibration Checks (CCCs)

Date : 08/22/95

Standard Concentration : in PPBs 50.00

Compound	Amount	% Drift
Vinyl Chloride	51.03	2.06
1,1-Dichloroethylene	55.20	10.4
Chloroform	54.34	8.68
1,2-Dichloropropane	49.69	0.62
Toluene	53.70	7.4
Ethyl Benzene	48.71	2.58

Percent Drift Must Be Less Than 20%

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 12:08 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.18	64.1 ug/kg	
3	Chloromethane (SPCC)	1.43	45.9 ug/kg	
4	Vinyl Chloride (CCC)	1.78	51.0 ug/kg	
5	Bromomethane	2.49	41.4 ug/kg	
6	Chloroethane	2.89	41.3 ug/kg	
7	Trichlorofluoromethane	3.98	57.2 ug/kg	
8	Acrolein	4.18	477.7 ug/kg	
9	1,1-Dichloroethylene (CCC)	4.92	55.2 ug/kg	
10	Carbon Disulfide	5.18	519.3 ug/kg	
11	Iodomethane	4.82	595.1 ug/kg	
12	Acetone	4.52	662.9 ug/kg	
13	Dichloromethane	5.35	51.7 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	53.0 ug/kg	
15	Acrylonitrile	5.34	536.6 ug/kg	
16	1,1-Dichloroethane (SPCC)	6.78	52.4 ug/kg	
17	Vinyl Acetate	7.33	534.8 ug/kg	
18	2,2-Dichloropropane	8.05	58.2 ug/kg	
19	cis-1,2-Dichloroethylene	7.68	54.4 ug/kg	
20	Methyl Ethyl Ketone	7.66	581.2 ug/kg	
21	Bromochloromethane	7.88	51.8 ug/kg	
22	Chloroform (CCC)	8.03	54.3 ug/kg	
23	1,1,1-Trichloroethane	9.00	55.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	43.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.32	50.6 ug/kg	

001211

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 12:08 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	51.2 ug/kg	
28	Benzene	9.59	49.9 ug/kg	
29	1,2-Dichloroethane	8.92	55.9 ug/kg	
30	Trichloroethylene	10.58	50.0 ug/kg	
31	1,2-Dichloropropane (CCC)	10.50	49.7 ug/kg	
32	Dibromomethane	10.42	44.1 ug/kg	#
33	Dichlorobromomethane	10.66	53.7 ug/kg	
34	2-Chloroethyl Vinyl Ether	11.52	1189.9 ug/kg	
35	trans-1,3-Dichloropropene	12.41	58.1 ug/kg	
36	4-Methyl-2-Pentanone	12.01	447.1 ug/kg	
37	Toluene-d8 (SURR)	12.72	42.0 ug/kg	
38	Toluene (CCC)	12.82	53.7 ug/kg	
39	cis-1,3-Dichloropropene	11.70	55.3 ug/kg	
40	Ethyl Methacrylate	13.28	539.5 ug/kg	
41	1,1,2-Trichloroethane	12.56	54.1 ug/kg	
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	40.6 ug/kg	
44	1,3-Dichloropropane	12.93	46.4 ug/kg	
45	2-Hexanone	13.37	438.9 ug/kg	
46	Dibromochloromethane	13.21	47.1 ug/kg	
47	1,2-Dibromoethane	13.55	48.3 ug/kg	
48	Chlorobenzene (SPCC)	14.95	47.1 ug/kg	
49	1,1,1,2-Tetrachloroethane	14.86	46.0 ug/kg	
50	Ethylbenzene (CCC)	15.37	48.7 ug/kg	
51	m,p-Xylene	15.73	94.8 ug/kg	
52	o-Xylene	16.33	49.8 ug/kg	
53	Styrene	16.23	51.0 ug/kg	
54	Bromoform (SPCC)	15.67	46.1 ug/kg	
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	57.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	43.9 ug/kg	
58	Bromobenzene	17.19	56.5 ug/kg	
59	1,1,2,2-Tetrachloroethane (SPCC	16.32	55.0 ug/kg	
60	1,2,3-Trichloropropane	16.55	59.2 ug/kg	
61	n-Propylbenzene	17.71	63.5 ug/kg	
62	2-Chlorotoluene	17.76	59.3 ug/kg	
63	1,4-Dichloro-2-Butene	16.72	650.3 ug/kg	

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\L4STD.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 12:08 pm using AcqMethod 8260LLS
Sample Name: LEVEL 4 STANDARD 50 - 500 PPB
Misc Info : LEVEL 4 STANDARD 50 - 500 PPB 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	60.7 ug/kg	
65	1,3,5-Trimethylbenzene	18.30	65.6 ug/kg	
66	tert-Butylbenzene	18.69	64.5 ug/kg	
67	1,2,4-Trimethylbenzene	18.96	63.8 ug/kg	
68	sec-Butylbenzene	19.11	66.4 ug/kg	
69	1,3-Dichlorobenzene	19.09	57.2 ug/kg	
70	1,4-Dichlorobenzene	19.24	58.9 ug/kg	
71	p-Isopropyltoluene	19.56	67.1 ug/kg	
72	1,2-Dichlorobenzene	19.86	62.1 ug/kg	
73	n-Butylbenzene	20.24	67.0 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	48.9 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : Blank
Control No.: BLANK
Sample Date: 1/0/00
Sampled by :

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 11:24
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	50	50
Acrolein	<	50	50
Acrylonitrile	<	50	50
Benzene	<	5	5
Bromodichloromethane	<	5	5
Bromoform	<	5	5
Bromomethane	<	5	5
2-Butanone (MEK)	<	50	50
Carbon disulfide	<	5	5
Carbon tetrachloride	<	5	5
Chlorobenzene	<	5	5
Chloroethane	<	5	5
2-Chloroethylvinyl ether	<	20	20
Chloroform	<	5	5
Chloromethane	<	5	5
Dibromochloromethane	<	5	5
1,2-Dibromoethane (EDB)	<	5	5
Dibromomethane	<	5	5
trans-1,4-Dichloro-2-butene	<	25	25
Dichlorodifluoromethane	<	5	5
1,1-Dichloroethane	<	5	5
1,2-Dichloroethane	<	5	5
trans-1,2-Dichloroethene	<	5	5
1,1-Dichloroethene	<	5	5
1,2-Dichloropropane	<	5	5
cis-1,3-Dichloropropene	<	5	5
trans-1,3-Dichloropropene	<	5	5
Ethylbenzene	<	5	5
Ethyl methacrylate	<	15	15
2-Hexanone	<	50	50
Iodomethane	<	5	5
Methylene chloride (Dichloromethane)	<	5	5
4-Methyl-2-pentanone (MIBK)	<	50	50

Styrene	<	5	5
1,1,2,2-Tetrachloroethane	<	5	5
Tetrachloroethene	<	5	5
Toluene	<	5	5
1,1,1-Trichloroethane	<	5	5
1,1,2-Trichloroethane	<	5	5
Trichloroethene	<	5	5
Trichlorofluoromethane	<	5	5
1,2,3-Trichloropropane	<	5	5
Vinyl acetate	<	30	30
Vinyl chloride	<	5	5
Xylenes	<	5	5

Surrogate Recoveries		**Range**
Dibromofluoromethane	101.5 %	80 - 120
Toluene-d8	94.5 %	81 - 117
4-Bromofluorobenzene	100.8 %	74 - 121

Approved by: Jerry Hunsaker

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 11:24 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.07	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.44	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	1.78	0.1 ug/kg	#
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.52	5.2 ug/kg	#
13	Dichloromethane	5.34	-6.2 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.85	0.0 ug/kg	#
17	Vinyl Acetate	7.27	3.0 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	
23	1,1,1-Trichloroethane	9.09	0.0 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	40.6 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 11:24 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.66	0.0 ug/kg	#
29	1,2-Dichloroethane	9.04	0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	10.46	0.0 ug/kg	#
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.57	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	0.2 ug/kg	#
37	Toluene-d8 (SURR)	12.72	37.8 ug/kg	
38	Toluene (CCC)	12.83	0.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.42	0.1 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	#
52	o-Xylene	16.34	0.1 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.93	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.95	40.3 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.74	0.0 ug/kg	#
62	2-Chlorotoluene	17.69	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 11:24 am using AcqMethod 8260LLS
Sample Name: BLANK
Misc Info : BLANK 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.92	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	***** NOT FOUND *****		
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	19.85	0.0 ug/kg	#
73	n-Butylbenzene	20.24	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.46	0.0 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	BLANK.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 11:24
Method	8260LLS
Misc Info	BLANK 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.067	168.00	Pentafluorobenzene	33997502	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.443	50.00	Chloromethane (SPCC)	35989	0.11	ug/kg	
4	1.782	62.00	Vinyl Chloride (CCC)	30829	0.13	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.517	43.00	Acetone	587846	5.21	ug/kg	
13	5.341	49.00	Dichloromethane	1918951	-6.20	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.853	63.00	1,1-Dichloroethane (SPCC)	21779	0.04	ug/kg	
17	7.266	86.00	Vinyl Acetate	28092	2.95	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

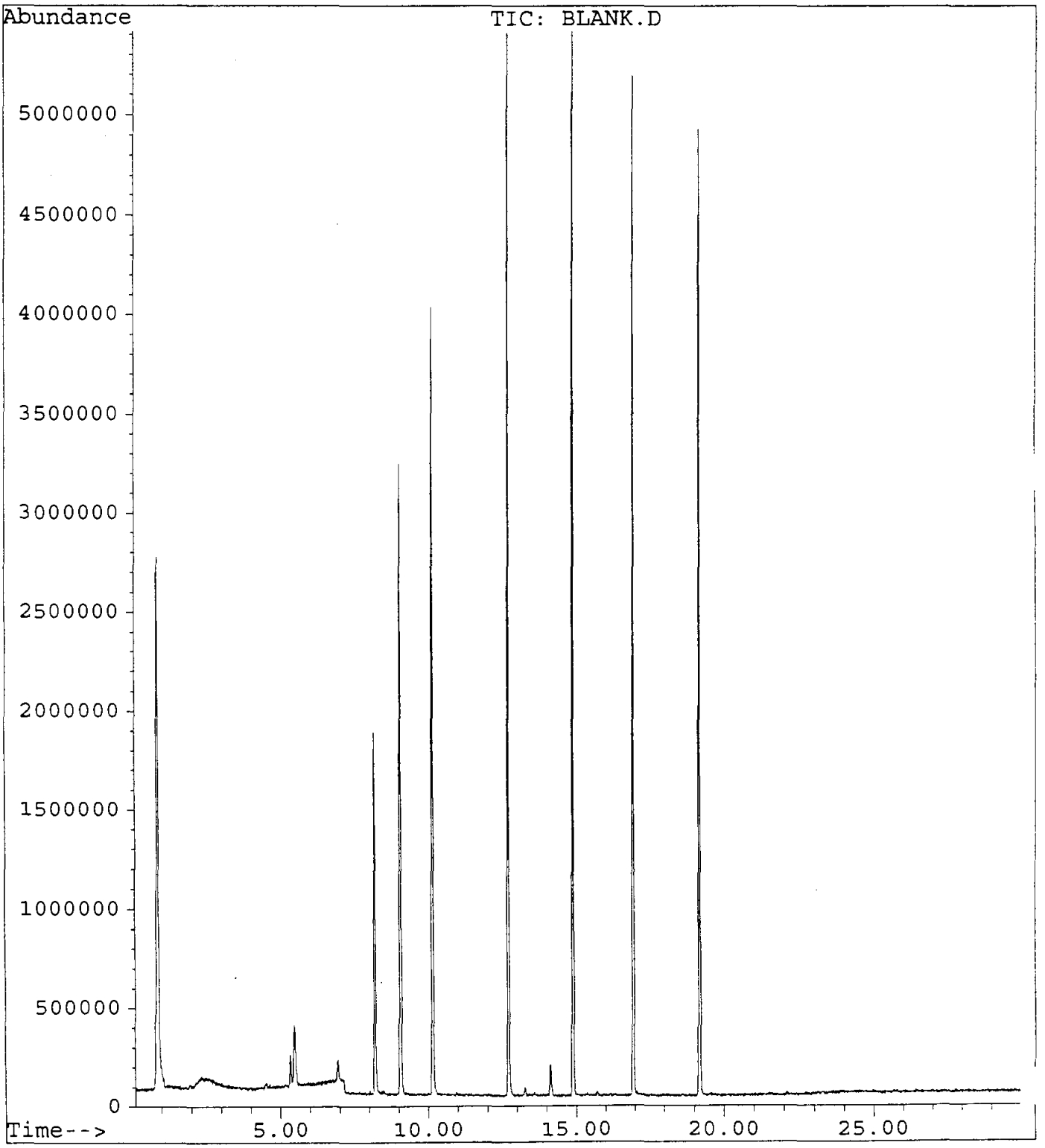
21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.014	83.00	Chloroform (CCC)		117538	0.15	ug/kg	
23	9.085	97.00	1,1,1-Trichloroethane		26479	0.04	ug/kg	
24	8.194	113.00	Dibromofluoromethane (SURR)		16285255	40.60	ug/kg	
25	10.152	114.00	1,4-Difluorobenzene		43587379	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.664	78.00	Benzene		32238	0.02	ug/kg	
29	9.045	62.00	1,2-Dichloroethane		6555	0.01	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	10.456	63.00	1,2-Dichloropropane (CCC)		17592	0.04	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.569	83.00	Dichlorobromomethane		26131	0.04	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.026	43.00	4-Methyl-2-Pentanone		147294	0.20	ug/kg	
37	12.722	98.00	Toluene-d8 (SURR)		49515801	37.77	ug/kg	
38	12.826	91.00	Toluene (CCC)		141752	0.08	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.902	54.00	Chlorobenzene-d5		13686743	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.422	43.00	2-Hexanone		47750	0.11	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

001393

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.380	91.00	Ethylbenzene (CCC)		68027	0.04	ug/kg	
51	15.725	106.00	m,p-Xylene		63964	0.10	ug/kg	
52	16.338	91.00	o-Xylene		87957	0.05	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.190	152.00	1,4-Dichlorobenzene-d4		24934069	40.00	ug/kg	ISTD
56	16.929	105.00	Isopropylbenzene		95040	0.05	ug/kg	
57	16.947	95.00	4-Bromofluorobenzene (SURR)		23322680	40.26	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.742	91.00	n-Propylbenzene		53862	0.02	ug/kg	
62	17.693	126.00	2-Chlorotoluene		24850	0.05	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.922	91.00	4-Chlorotoluene		33360	0.02	ug/kg	
65	18.294	105.00	1,3,5-Trimethylbenzene		23701	0.02	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	0.000	105.00	sec-Butylbenzene		0	0.00	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	19.850	146.00	1,2-Dichlorobenzene		14993	0.02	ug/kg	
73	20.242	91.00	n-Butylbenzene		15492	0.02	ug/kg	
74	20.461	157.00	1,2-Dibromo-3-Chloropropane		5948	0.03	ug/kg	

001221

File : C:\HPCHEM\1\DATA\0822\BLANK.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 11:24 am using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: BLANK
Misc Info : BLANK 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0029 (A-C)
Control No.: 83589
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 14:18
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	32	32
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	113.8 %	80 - 120
Toluene-d8	106.3 %	81 - 117
4-Bromofluorobenzene	105.8 %	74 - 121

Percent Solids	79.0 %

Approved by:

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.14	0.1 ug/kg	#
3	Chloromethane (SPCC)	1.42	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.73	0.1 ug/kg	#
5	Bromomethane	2.49	0.4 ug/kg	#
6	Chloroethane	2.95	0.6 ug/kg	#
7	Trichlorofluoromethane	4.01	0.2 ug/kg	
8	Acrolein	4.18	3.3 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.21	0.7 ug/kg	#
11	Iodomethane	4.82	0.5 ug/kg	#
12	Acetone	4.47	29.4 ug/kg	
13	Dichloromethane	5.33	-7.1 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.33	8.2 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.18	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	
20	Methyl Ethyl Ketone	7.64	8.1 ug/kg	
21	Bromochloromethane	7.98	0.1 ug/kg	#
22	Chloroform (CCC)	8.00	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	3.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	45.5 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.3 ug/kg	#

001223

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

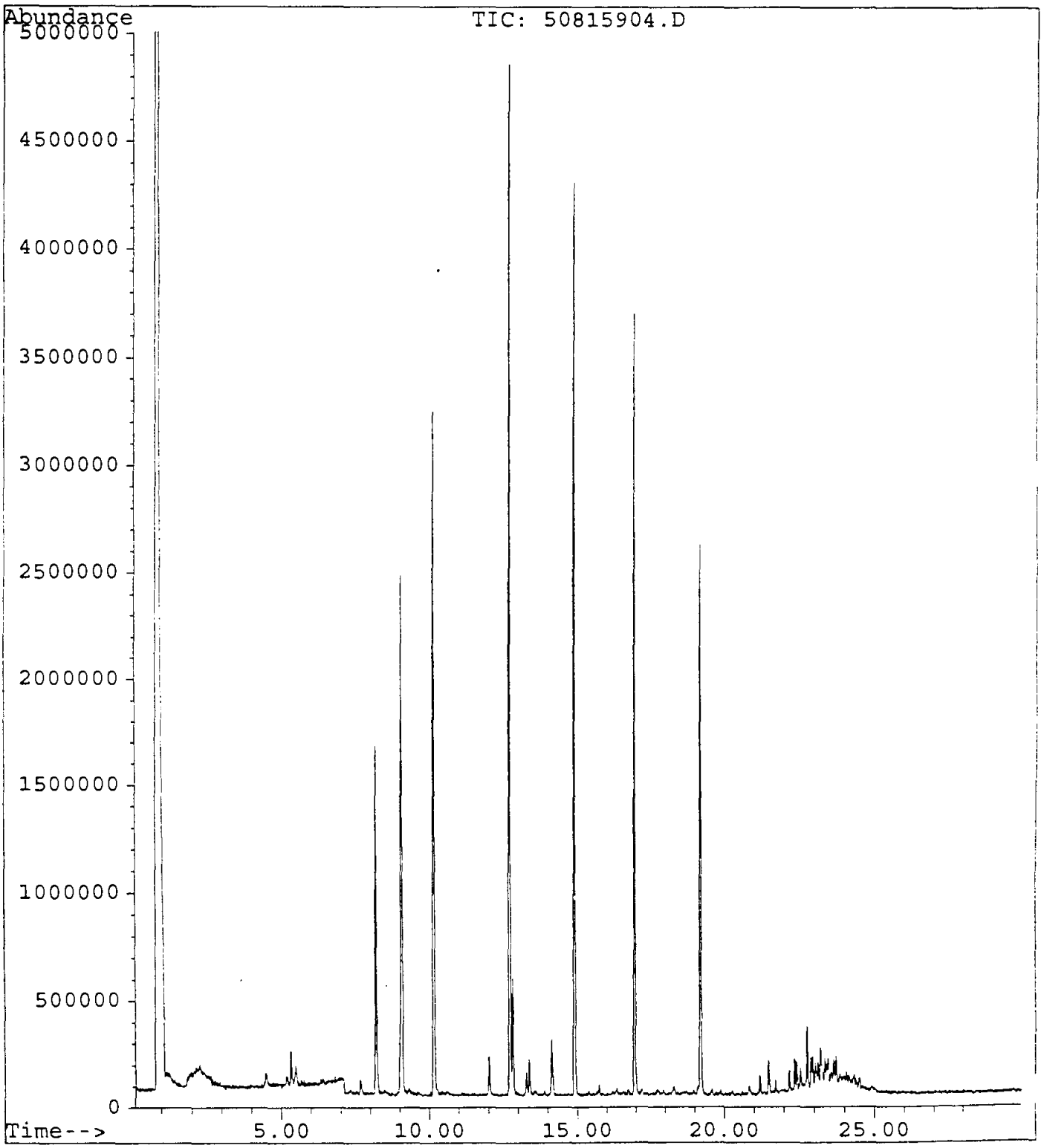
Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.3 ug/kg	
66	tert-Butylbenzene	18.69	0.2 ug/kg	
67	1,2,4-Trimethylbenzene	18.96	0.2 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.3 ug/kg	
70	1,4-Dichlorobenzene	19.22	0.3 ug/kg	#
71	p-Isopropyltoluene	19.55	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.86	0.3 ug/kg	
73	n-Butylbenzene	20.25	0.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.5 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

21	7.979	130.00	Bromochloromethane		21920	0.13	ug/kg	
22	8.004	83.00	Chloroform (CCC)		78294	0.12	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane		1925164	3.37	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		14456439	45.48	ug/kg	
25	10.150	114.00	1,4-Difluorobenzene		35334473	40.00	ug/kg	ISTD
26	9.305	75.00	1,1-Dichloropropene		129548	0.29	ug/kg	
27	9.495	117.00	Carbon Tetrachloride		32348	0.07	ug/kg	
28	9.608	78.00	Benzene		82098	0.08	ug/kg	
29	8.910	62.00	1,2-Dichloroethane		39011	0.08	ug/kg	
30	10.579	130.00	Trichloroethylene		42024	0.12	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.405	174.00	Dibromomethane		55157	0.14	ug/kg	
33	10.654	83.00	Dichlorobromomethane		45122	0.08	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.014	43.00	4-Methyl-2-Pentanone		2748179	4.58	ug/kg	
37	12.722	98.00	Toluene-d8 (SURR)		45173554	42.50	ug/kg	
38	12.820	91.00	Toluene (CCC)		5915050	4.14	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.292	99.00	Ethyl Methacrylate		195758	1.79	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.901	54.00	Chlorobenzene-d5		11337825	40.00	ug/kg	ISTD
43	13.871	166.00	Tetrachloroethylene		120428	0.17	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.367	43.00	2-Hexanone		2292209	6.20	ug/kg	
46	13.235	129.00	Dibromochloromethane		53479	0.11	ug/kg	
47	13.554	107.00	1,2-Dibromoethane		98833	0.30	ug/kg	
48	14.957	112.00	Chlorobenzene (SPCC)		91159	0.10	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1



Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		5	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	94.5 %	80 - 120
Toluene-d8	97.8 %	81 - 117
4-Bromofluorobenzene	110.5 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hamrick

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815906.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:03 pm using AcqMethod 8260LLS
Sample Name: 50815906 (83591) COMP. OF 4
Misc Info : 50815906 (83591) COMP. OF 4 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.0 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.50	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	0.2 ug/kg	
37	Toluene-d8 (SURR)	12.72	39.1 ug/kg	
38	Toluene (CCC)	12.81	1.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.38	0.2 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	#
52	o-Xylene	16.33	0.1 ug/kg	#
53	Styrene	16.26	0.0 ug/kg	#
54	Bromoform (SPCC)	15.66	0.0 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	44.2 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.48	0.2 ug/kg	#
61	n-Propylbenzene	17.73	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Volatile Organics by EPA Method 8260

File Name	50815906.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 15:03
Method	8260LLS
Misc Info	50815906 (83591) COMP. OF 4 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.062	168.00	Pentafluorobenzene	30981870	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.446	50.00	Chloromethane (SPCC)	30518	0.10	ug/kg	
4	1.927	62.00	Vinyl Chloride (CCC)	44873	0.21	ug/kg	
5	2.538	94.00	Bromomethane	22236	0.24	ug/kg	
6	2.996	64.00	Chloroethane	26933	0.56	ug/kg	
7	3.967	101.00	Trichlorofluoromethane	106174	0.25	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.916	61.00	1,1-Dichloroethylene (CCC)	43586	0.10	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.803	127.00	Iodomethane	67578	0.37	ug/kg	
12	4.505	43.00	Acetone	1114274	10.81	ug/kg	
13	5.340	49.00	Dichloromethane	888697	-9.20	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.842	63.00	1,1-Dichloroethane (SPCC)	34305	0.07	ug/kg	
17	7.376	86.00	Vinyl Acetate	27908	3.22	ug/kg	
18	8.197	77.00	2,2-Dichloropropane	7642	0.02	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.821	72.00	Methyl Ethyl Ketone	26614	1.02	ug/kg	

001240

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.368	91.00	Ethylbenzene (CCC)		65357	0.04	ug/kg	
51	15.717	106.00	m,p-Xylene		54580	0.11	ug/kg	
52	16.331	91.00	o-Xylene		74060	0.06	ug/kg	
53	16.256	104.00	Styrene		33511	0.04	ug/kg	
54	15.660	173.00	Bromoform (SPCC)		21315	0.04	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		17385577	40.00	ug/kg	ISTD
56	16.954	105.00	Isopropylbenzene		119226	0.10	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)		17853849	44.20	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.477	75.00	1,2,3-Trichloropropane		56909	0.16	ug/kg	
61	17.728	91.00	n-Propylbenzene		107151	0.04	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.909	91.00	4-Chlorotoluene		52611	0.06	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.097	105.00	sec-Butylbenzene		73187	0.08	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		55678	0.09	ug/kg	
70	19.221	146.00	1,4-Dichlorobenzene		79947	0.12	ug/kg	
71	19.553	119.00	p-Isopropyltoluene		63966	0.08	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.240	91.00	n-Butylbenzene		60423	0.08	ug/kg	
74	20.477	157.00	1,2-Dibromo-3-Chloropropane		8588	0.07	ug/kg	

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0028S(A-B)
Control No.: 83708
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 15:48
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		213	78
Acrolein	<	78	78
Acrylonitrile	<	78	78
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	78	78
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	31	31
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	39	39
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	78	78
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	78	78

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 16:16:16 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.49	0.6 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.85	0.7 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.09	0.5 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.24	0.4 ug/kg	#
11	Iodomethane	4.81	0.3 ug/kg	#
12	Acetone	4.52	136.6 ug/kg	
13	Dichloromethane	5.35	-10.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.98	0.1 ug/kg	#
17	Vinyl Acetate	7.23	5.0 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.69	7.6 ug/kg	
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	0.1 ug/kg	
23	1,1,1-Trichloroethane	9.01	0.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	39.7 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.2 ug/kg	#

Calibration Last Updated: Tue Aug 22 16:16:16 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

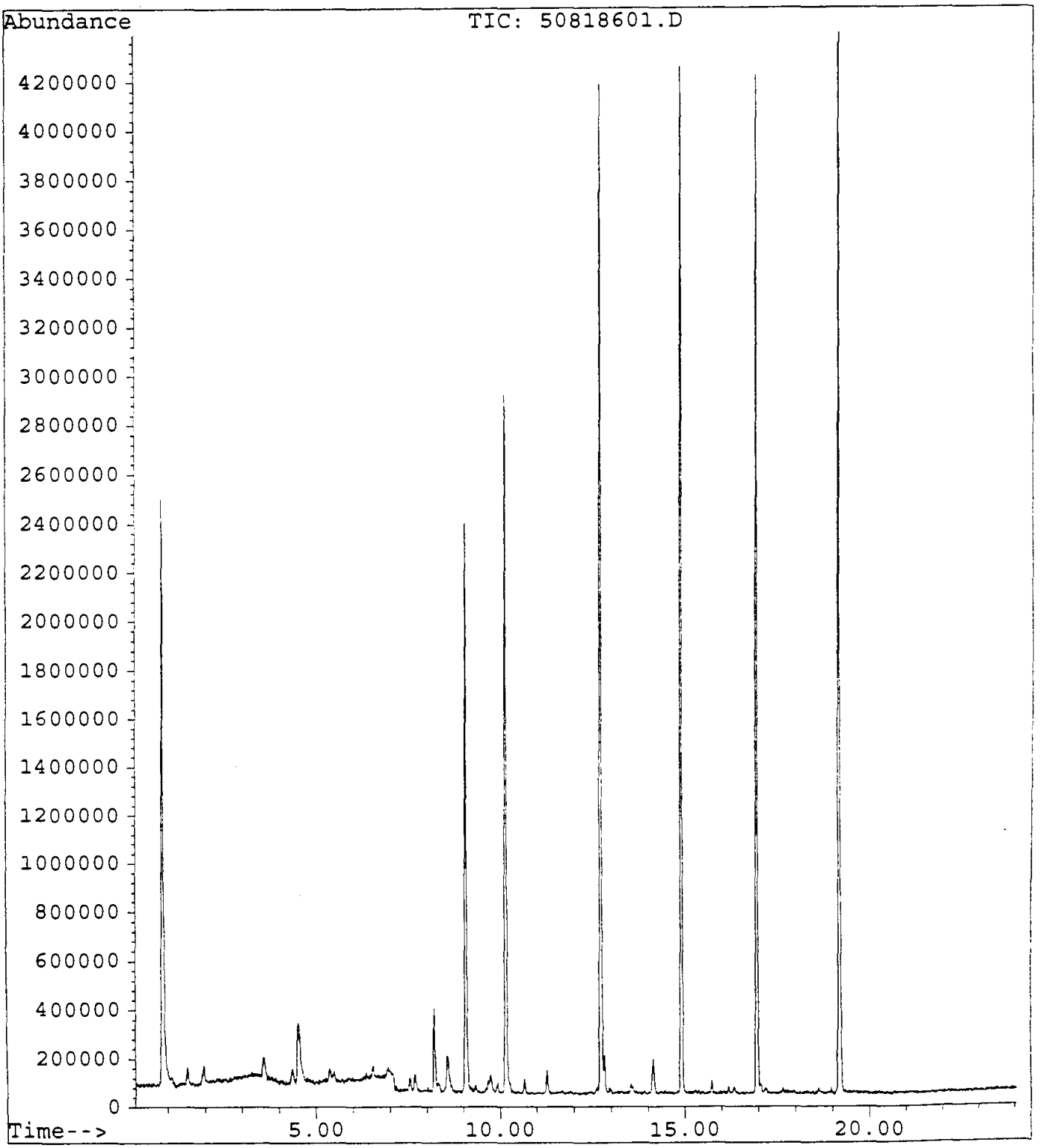
#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.70	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	
66	tert-Butylbenzene	18.67	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.96	0.2 ug/kg	#
68	sec-Butylbenzene	19.12	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.22	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.0 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.0 ug/kg	#
73	n-Butylbenzene	20.26	0.1 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.55	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.025	83.00	Chloroform (CCC)		71550	0.12	ug/kg	
23	9.009	97.00	1,1,1-Trichloroethane		223048	0.40	ug/kg	
24	8.195	113.00	Dibromofluoromethane (SURR)		3046168	39.66	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		31610305	40.00	ug/kg	ISTD
26	9.302	75.00	1,1-Dichloropropene		62187	0.16	ug/kg	
27	9.494	117.00	Carbon Tetrachloride		22347	0.05	ug/kg	
28	9.599	78.00	Benzene		234700	0.24	ug/kg	
29	9.052	62.00	1,2-Dichloroethane		-3999	-0.01	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.345	174.00	Dibromomethane		10913	0.03	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.356	75.00	trans-1,3-Dichloropropene		38610	0.12	ug/kg	
36	12.036	43.00	4-Methyl-2-Pentanone		155265	0.29	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		40005839	42.07	ug/kg	
38	12.820	91.00	Toluene (CCC)		1241429	0.97	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		11343250	40.00	ug/kg	ISTD
43	13.885	166.00	Tetrachloroethylene		44392	0.06	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.410	43.00	2-Hexanone		91377	0.25	ug/kg	
46	13.055	129.00	Dibromochloromethane		11248	0.02	ug/kg	
47	13.452	107.00	1,2-Dibromoethane		24057	0.07	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

00185

File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1



Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	46	46
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.0 %	80 - 120
Toluene-d8	107.8 %	81 - 117
4-Bromofluorobenzene	117.3 %	74 - 121

Percent Solids	65.0 %

Approved by: Jerry Hamsatta

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 17:01:08 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818603.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 4:34 pm using AcqMethod 8260LLS
Sample Name: 50818603 (83710) COMP. OF 2
Misc Info : 50818603 (83710) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.52	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	1.83	0.2 ug/kg	#
5	Bromomethane	2.49	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.77	0.4 ug/kg	#
12	Acetone	4.45	73.9 ug/kg	
13	Dichloromethane	5.32	-9.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	0.1 ug/kg	#
15	Acrylonitrile	5.43	0.6 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.76	0.1 ug/kg	#
17	Vinyl Acetate	7.34	3.9 ug/kg	
18	2,2-Dichloropropane	8.18	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.64	7.6 ug/kg	#
21	Bromochloromethane	7.75	0.1 ug/kg	#
22	Chloroform (CCC)	8.01	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	0.0 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	39.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

001256

Volatile Organics by EPA Method 8260

File Name	50818603.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 16:34
Method	8260LLS
Misc Info	50818603 (83710) COMP. OF 2 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.056	168.00	Pentafluorobenzene	30583096	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.517	50.00	Chloromethane (SPCC)	34514	0.11	ug/kg	
4	1.830	62.00	Vinyl Chloride (CCC)	34424	0.17	ug/kg	
5	2.494	94.00	Bromomethane	43578	0.48	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.768	127.00	Iodomethane	64546	0.36	ug/kg	
12	4.453	43.00	Acetone	7647951	73.85	ug/kg	
13	5.316	49.00	Dichloromethane	807149	-9.45	ug/kg	
14	6.388	61.00	trans-1,2-Dichloroethylene	40163	0.11	ug/kg	
15	5.429	53.00	Acrylonitrile	40196	0.59	ug/kg	
16	6.764	63.00	1,1-Dichloroethane (SPCC)	50474	0.11	ug/kg	
17	7.343	86.00	Vinyl Acetate	33605	3.92	ug/kg	
18	8.180	77.00	2,2-Dichloropropane	40044	0.10	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.644	72.00	Methyl Ethyl Ketone	196898	7.61	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.369	91.00	Ethylbenzene (CCC)		68753	0.03	ug/kg	
51	15.710	106.00	m,p-Xylene		93297	0.14	ug/kg	
52	16.338	91.00	o-Xylene		84412	0.05	ug/kg	
53	16.228	104.00	Styrene		46527	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		22489591	40.00	ug/kg	ISTD
56	16.937	105.00	Isopropylbenzene		108833	0.07	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		24504049	46.90	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	16.419	83.00	1,1,2,2-Tetrachloroethane (SPCC)		16426	0.03	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.728	91.00	n-Propylbenzene		39674	0.01	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.728	91.00	4-Chlorotoluene		40003	0.03	ug/kg	
65	18.301	105.00	1,3,5-Trimethylbenzene		55213	0.05	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.100	105.00	sec-Butylbenzene		36028	0.03	ug/kg	
69	19.071	146.00	1,3-Dichlorobenzene		30949	0.04	ug/kg	
70	19.228	146.00	1,4-Dichlorobenzene		59216	0.07	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene		22207	0.03	ug/kg	
73	20.230	91.00	n-Butylbenzene		8511	0.01	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		4241	0.03	ug/kg	

GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0032
Control No.: 83712
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 17:18
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	68	68
Acrolein	<	68	68
Acrylonitrile	<	68	68
Benzene	<	7	7
Bromodichloromethane	<	7	7
Bromoform	<	7	7
Bromomethane	<	7	7
2-Butanone (MEK)	<	68	68
Carbon disulfide	<	7	7
Carbon tetrachloride	<	7	7
Chlorobenzene	<	7	7
Chloroethane	<	7	7
2-Chloroethylvinyl ether	<	27	27
Chloroform	<	7	7
Chloromethane	<	7	7
Dibromochloromethane	<	7	7
1,2-Dibromoethane (EDB)	<	7	7
Dibromomethane	<	7	7
trans-1,4-Dichloro-2-butene	<	34	34
Dichlorodifluoromethane	<	7	7
1,1-Dichloroethane	<	7	7
1,2-Dichloroethane	<	7	7
trans-1,2-Dichloroethene	<	7	7
1,1-Dichloroethene	<	7	7
1,2-Dichloropropane	<	7	7
cis-1,3-Dichloropropene	<	7	7
trans-1,3-Dichloropropene	<	7	7
Ethylbenzene	<	7	7
Ethyl methacrylate	<	20	20
2-Hexanone	<	68	68
Iodomethane	<	7	7
Methylene chloride (Dichloromethane)	<	7	7
4-Methyl-2-pentanone (MIBK)	<	68	68

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.46	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.96	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.87	0.3 ug/kg	#
12	Acetone	4.51	7.0 ug/kg	
13	Dichloromethane	5.34	-11.4 ug/kg	#
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	38.7 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

001261

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

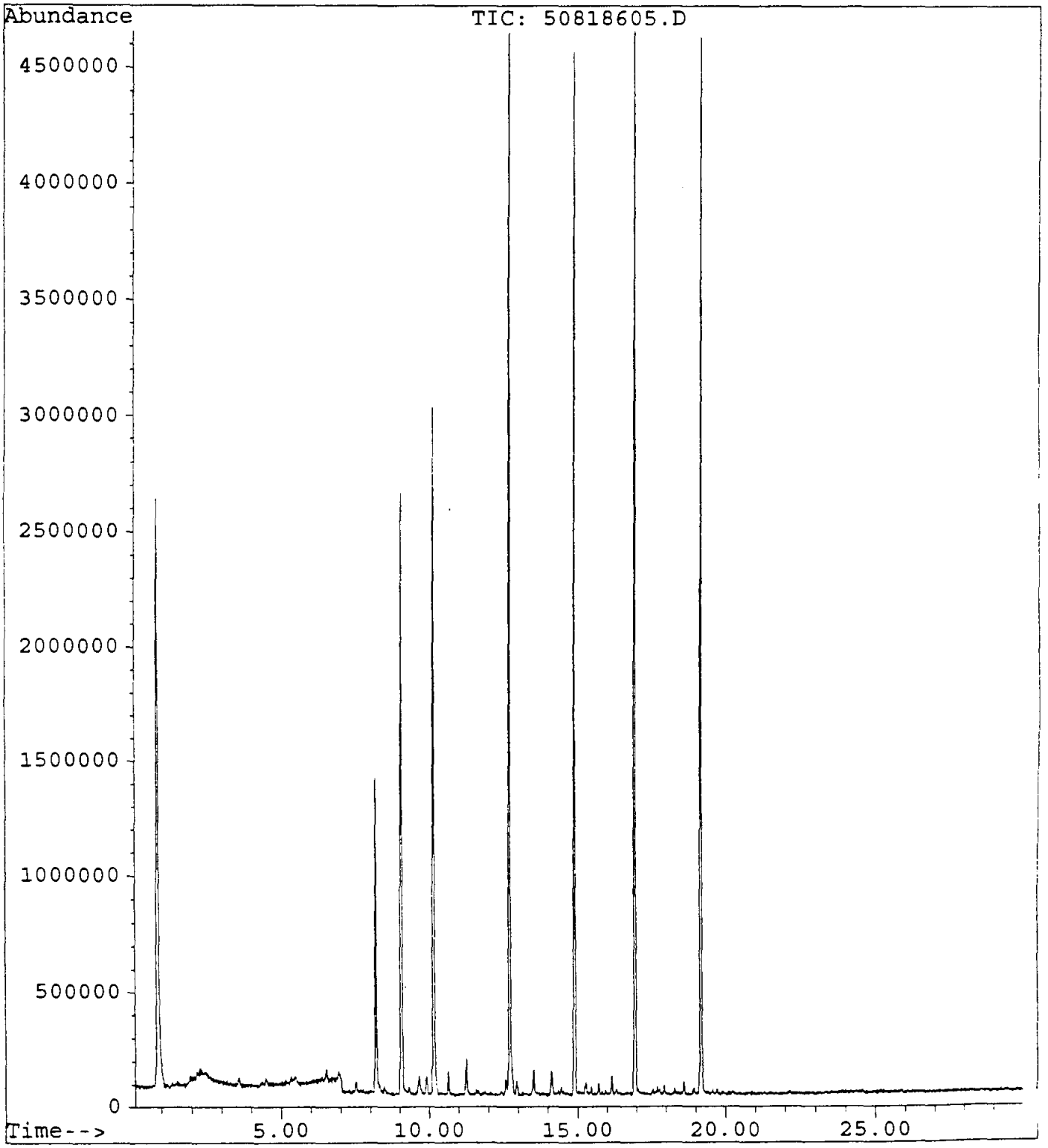
Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.2 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.95	0.3 ug/kg	
68	sec-Butylbenzene	19.12	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.10	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.22	0.1 ug/kg	#
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.58	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.014	83.00	Chloroform (CCC)		81245	0.12	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane		67022	0.11	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		13243986	38.66	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		34428780	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.593	78.00	Benzene		48755	0.05	ug/kg	
29	9.054	62.00	1,2-Dichloroethane		29359	0.06	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.352	75.00	trans-1,3-Dichloropropene		28741	0.08	ug/kg	
36	12.155	43.00	4-Methyl-2-Pentanone		94150	0.16	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)		43975789	42.46	ug/kg	
38	12.828	91.00	Toluene (CCC)		306686	0.22	ug/kg	
39	11.635	75.00	cis-1,3-Dichloropropene		25690	0.06	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.898	54.00	Chlorobenzene-d5		12031020	40.00	ug/kg	ISTD
43	13.885	166.00	Tetrachloroethylene		56676	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1



Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	92.3 %	80 - 120
Toluene-d8	101.0 %	81 - 117
4-Bromofluorobenzene	112.8 %	74 - 121

Percent Solids 86.0 %

Approved by: [signature]

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818606.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:05 pm using AcqMethod 8260LLS
Sample Name: 50818606 (83713)
Misc Info : 50818606 (83713) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	
29	1,2-Dichloroethane	9.00	0.1 ug/kg	#
30	Trichloroethylene	10.59	0.2 ug/kg	
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.72	40.4 ug/kg	
38	Toluene (CCC)	12.82	4.5 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.26	0.2 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.8 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.4 ug/kg	
51	m,p-Xylene	15.72	3.3 ug/kg	
52	o-Xylene	16.33	1.4 ug/kg	
53	Styrene	16.33	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	45.1 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.65	0.1 ug/kg	#
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	17.75	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

001271

Volatile Organics by EPA Method 8260

File Name	50818606.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 18:05
Method	8260LLS
Misc Info	50818606 (83713) 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.058	168.00	Pentafluorobenzene	38661923	40.00	ug/kg	*ISTD
2	1.101	85.00	Dichlorodifluoromethane	-11449	760.78	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.855	64.00	Chloroethane	10480	0.18	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.938	61.00	1,1-Dichloroethylene (CCC)	22444	0.04	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.948	127.00	Iodomethane	20464	0.09	ug/kg	
12	4.483	43.00	Acetone	918015	7.15	ug/kg	
13	5.321	49.00	Dichloromethane	902506	-9.79	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.774	63.00	1,1-Dichloroethane (SPCC)	27795	0.05	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.141	77.00	2,2-Dichloropropane	26438	0.05	ug/kg	
19	7.683	61.00	cis-1,2-Dichloroethylene	137099	0.20	ug/kg	
20	7.685	72.00	Methyl Ethyl Ketone	23231	0.71	ug/kg	

Q Out - Cal. 6 OK DO NOT REPORT

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		833042	0.42	ug/kg	
51	15.718	106.00	m,p-Xylene		2175269	3.31	ug/kg	
52	16.329	91.00	o-Xylene		2391508	1.39	ug/kg	
53	16.329	104.00	Styrene		66172	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.184	152.00	1,4-Dichlorobenzene-d4		23246315	40.00	ug/kg	ISTD
56	16.966	105.00	Isopropylbenzene		249969	0.15	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		24374081	45.13	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.652	75.00	1,2,3-Trichloropropane		27842	0.06	ug/kg	
61	17.714	91.00	n-Propylbenzene		353870	0.11	ug/kg	
62	17.747	126.00	2-Chlorotoluene		35688	0.08	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.956	91.00	4-Chlorotoluene		116034	0.09	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		753349	0.60	ug/kg	
66	18.684	119.00	tert-Butylbenzene		38722	0.04	ug/kg	
67	18.953	120.00	1,2,4-Trimethylbenzene		664392	1.30	ug/kg	
68	19.098	105.00	sec-Butylbenzene		118172	0.09	ug/kg	
69	19.070	146.00	1,3-Dichlorobenzene		26918	0.03	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.430	119.00	p-Isopropyltoluene		111895	0.11	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.251	91.00	n-Butylbenzene		76085	0.08	ug/kg	
74	20.601	157.00	1,2-Dibromo-3-Chloropropane		20978	0.12	ug/kg	

GUARDIAN SYSTEMS, INC.

P.O. BOX 190

LEEDS, ALABAMA 35094

(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0000(A-D)
Control No.: 83715
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 18:52
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	0.6 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.98	0.5 ug/kg	#
7	Trichlorofluoromethane	4.09	0.0 ug/kg	#
8	Acrolein	4.19	2.5 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.48	22.7 ug/kg	
13	Dichloromethane	5.32	-10.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.42	0.1 ug/kg	#
15	Acrylonitrile	5.34	0.4 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.95	0.1 ug/kg	#
17	Vinyl Acetate	7.32	2.5 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.65	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	***** NOT FOUND *****		
23	1,1,1-Trichloroethane	8.99	0.3 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	38.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

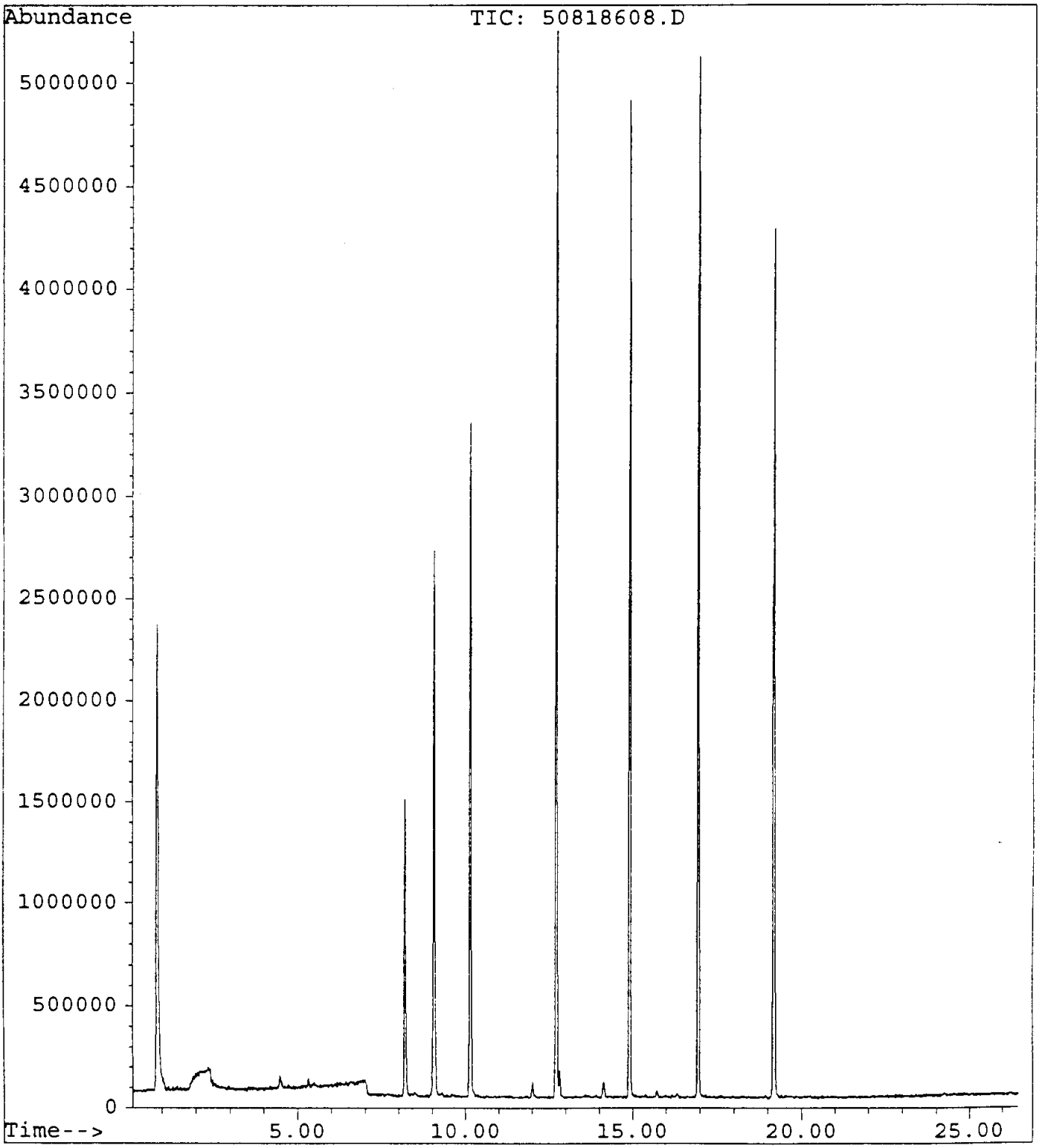
Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.72	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.95	0.1 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.09	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.57	0.1 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.21	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.57	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	0.000	83.00	Chloroform (CCC)		0	0.00	ug/kg	
23	8.989	97.00	1,1,1-Trichloroethane		210696	0.34	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		13224498	38.59	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		35903900	40.00	ug/kg	ISTD
26	9.292	75.00	1,1-Dichloropropene		125738	0.28	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.604	78.00	Benzene		73489	0.07	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	10.581	130.00	Trichloroethylene		9102	0.02	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.011	43.00	4-Methyl-2-Pentanone		1151397	1.89	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		47869025	44.32	ug/kg	
38	12.820	91.00	Toluene (CCC)		1357280	0.93	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		13083997	40.00	ug/kg	ISTD
43	13.878	166.00	Tetrachloroethylene		16115	0.02	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.479	43.00	2-Hexanone		8032	0.02	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.935	112.00	Chlorobenzene (SPCC)		131509	0.12	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1



VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.14	0.1 ug/kg	#
3	Chloromethane (SPCC)	1.42	0.2 ug/kg	#
4	Vinyl Chloride (CCC)	1.73	0.1 ug/kg	#
5	Bromomethane	2.49	0.4 ug/kg	#
6	Chloroethane	2.95	0.6 ug/kg	#
7	Trichlorofluoromethane	4.01	0.2 ug/kg	
8	Acrolein	4.18	3.3 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.21	0.7 ug/kg	#
11	Iodomethane	4.82	0.5 ug/kg	#
12	Acetone	4.47	29.4 ug/kg	
13	Dichloromethane	5.33	-7.1 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	5.33	8.2 ug/kg	#
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.18	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	
20	Methyl Ethyl Ketone	7.64	8.1 ug/kg	
21	Bromochloromethane	7.98	0.1 ug/kg	#
22	Chloroform (CCC)	8.00	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	3.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	45.5 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	0.1 ug/kg	#
28	Benzene	9.61	0.1 ug/kg	#
29	1,2-Dichloroethane	8.91	0.1 ug/kg	#
30	Trichloroethylene	10.58	0.1 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.41	0.1 ug/kg	#
33	Dichlorobromomethane	10.65	0.1 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	4.6 ug/kg	
37	Toluene-d8 (SURR)	12.72	42.5 ug/kg	
38	Toluene (CCC)	12.82	4.1 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.29	1.8 ug/kg	
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.87	0.2 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.37	6.2 ug/kg	
46	Dibromochloromethane	13.23	0.1 ug/kg	#
47	1,2-Dibromoethane	13.55	0.3 ug/kg	
48	Chlorobenzene (SPCC)	14.96	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	
51	m,p-Xylene	15.74	0.5 ug/kg	
52	o-Xylene	16.33	0.1 ug/kg	#
53	Styrene	16.25	0.1 ug/kg	#
54	Bromoform (SPCC)	15.65	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.95	42.3 ug/kg	
58	Bromobenzene	17.18	0.2 ug/kg	#
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.56	0.6 ug/kg	
61	n-Propylbenzene	17.71	0.2 ug/kg	#
62	2-Chlorotoluene	17.77	0.2 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.90	0.2 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.3 ug/kg	
66	tert-Butylbenzene	18.69	0.2 ug/kg	
67	1,2,4-Trimethylbenzene	18.96	0.2 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.3 ug/kg	
70	1,4-Dichlorobenzene	19.22	0.3 ug/kg	#
71	p-Isopropyltoluene	19.55	0.2 ug/kg	#
72	1,2-Dichlorobenzene	19.86	0.3 ug/kg	
73	n-Butylbenzene	20.25	0.4 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.5 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

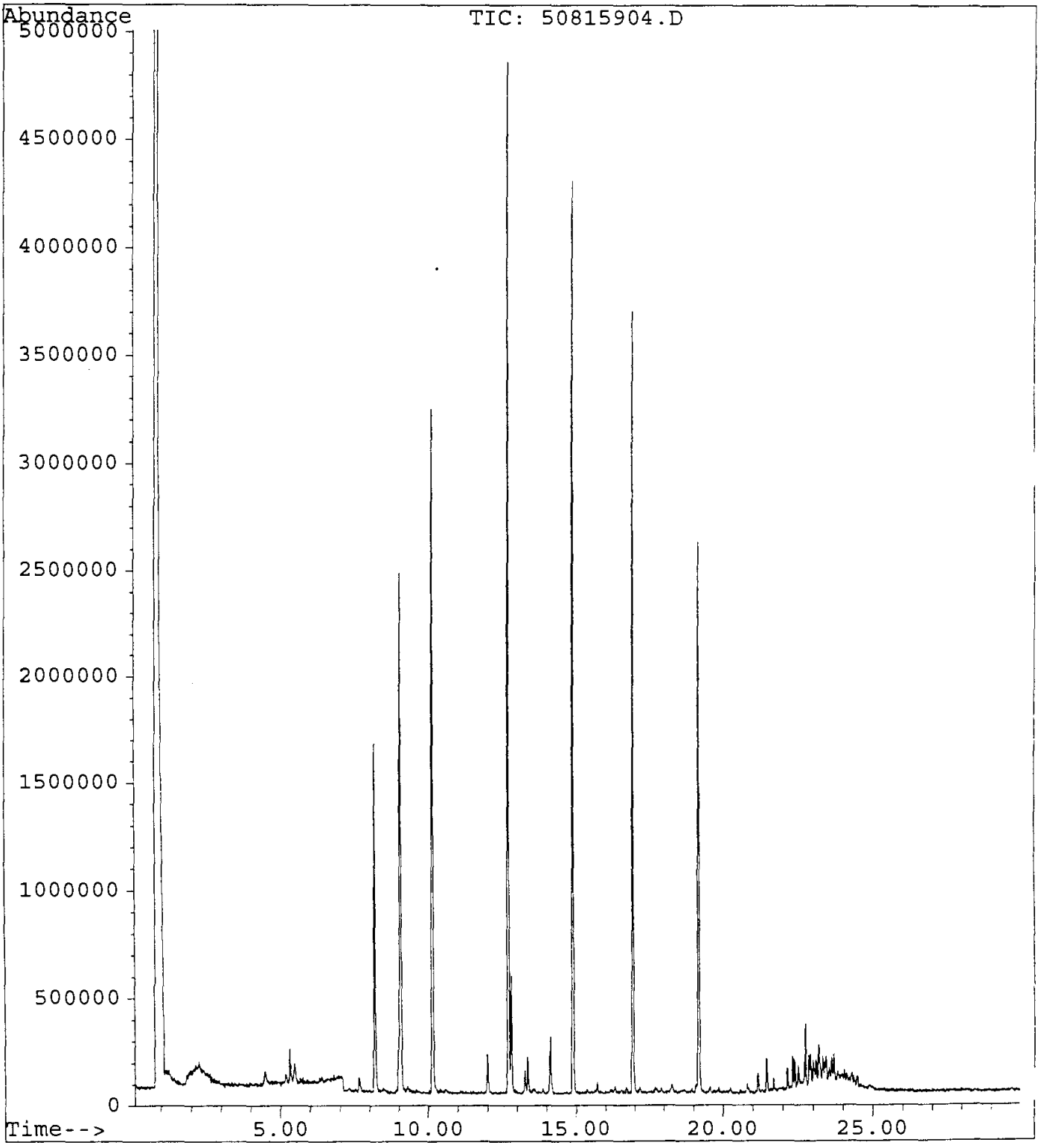
File Name	50815904.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 14:18
Method	8260LLS
Misc Info	50815904 (83589) COMP. OF 3 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	26938004	40.00	ug/kg	*ISTD
2	1.141	85.00	Dichlorodifluoromethane	15167	0.13	ug/kg	
3	1.416	50.00	Chloromethane (SPCC)	57172	0.21	ug/kg	
4	1.728	62.00	Vinyl Chloride (CCC)	13012	0.07	ug/kg	
5	2.494	94.00	Bromomethane	35233	0.44	ug/kg	
6	2.951	64.00	Chloroethane	26263	0.63	ug/kg	
7	4.009	101.00	Trichlorofluoromethane	79617	0.22	ug/kg	
8	4.179	56.00	Acrolein	69994	3.25	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.213	78.00	Carbon Disulfide	39019	0.70	ug/kg	
11	4.816	127.00	Iodomethane	74739	0.47	ug/kg	
12	4.474	43.00	Acetone	2650310	29.42	ug/kg	
13	5.332	49.00	Dichloromethane	1287491	-7.13	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	5.329	53.00	Acrylonitrile	497429	8.21	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.175	77.00	2,2-Dichloropropane	30524	0.08	ug/kg	
19	7.674	61.00	cis-1,2-Dichloroethylene	70286	0.15	ug/kg	
20	7.642	72.00	Methyl Ethyl Ketone	184447	8.10	ug/kg	

21	7.979	130.00	Bromochloromethane		21920	0.13	ug/kg	
22	8.004	83.00	Chloroform (CCC)		78294	0.12	ug/kg	
23	8.995	97.00	1,1,1-Trichloroethane		1925164	3.37	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		14456439	45.48	ug/kg	
25	10.150	114.00	1,4-Difluorobenzene		35334473	40.00	ug/kg	ISTD
26	9.305	75.00	1,1-Dichloropropene		129548	0.29	ug/kg	
27	9.495	117.00	Carbon Tetrachloride		32348	0.07	ug/kg	
28	9.608	78.00	Benzene		82098	0.08	ug/kg	
29	8.910	62.00	1,2-Dichloroethane		39011	0.08	ug/kg	
30	10.579	130.00	Trichloroethylene		42024	0.12	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.405	174.00	Dibromomethane		55157	0.14	ug/kg	
33	10.654	83.00	Dichlorobromomethane		45122	0.08	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.014	43.00	4-Methyl-2-Pentanone		2748179	4.58	ug/kg	
37	12.722	98.00	Toluene-d8 (SURR)		45173554	42.50	ug/kg	
38	12.820	91.00	Toluene (CCC)		5915050	4.14	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.292	99.00	Ethyl Methacrylate		195758	1.79	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.901	54.00	Chlorobenzene-d5		11337825	40.00	ug/kg	ISTD
43	13.871	166.00	Tetrachloroethylene		120428	0.17	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.367	43.00	2-Hexanone		2292209	6.20	ug/kg	
46	13.235	129.00	Dibromochloromethane		53479	0.11	ug/kg	
47	13.554	107.00	1,2-Dibromoethane		98833	0.30	ug/kg	
48	14.957	112.00	Chlorobenzene (SPCC)		91159	0.10	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.383	91.00	Ethylbenzene (CCC)		171682	0.11	ug/kg	
51	15.737	106.00	m,p-Xylene		248795	0.47	ug/kg	
52	16.335	91.00	o-Xylene		198269	0.14	ug/kg	
53	16.248	104.00	Styrene		91251	0.11	ug/kg	
54	15.648	173.00	Bromoform (SPCC)		66856	0.13	ug/kg	
55	19.190	152.00	1,4-Dichlorobenzene-d4		13470530	40.00	ug/kg	ISTD
56	16.967	105.00	Isopropylbenzene		224182	0.24	ug/kg	
57	16.947	95.00	4-Bromofluorobenzene (SURR)		16779583	42.28	ug/kg	
58	17.185	158.00	Bromobenzene		63583	0.18	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.555	75.00	1,2,3-Trichloropropane		178536	0.64	ug/kg	
61	17.713	91.00	n-Propylbenzene		328432	0.18	ug/kg	
62	17.773	126.00	2-Chlorotoluene		50510	0.20	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.904	91.00	4-Chlorotoluene		140765	0.19	ug/kg	
65	18.290	105.00	1,3,5-Trimethylbenzene		223499	0.31	ug/kg	
66	18.692	119.00	tert-Butylbenzene		137651	0.24	ug/kg	
67	18.958	120.00	1,2,4-Trimethylbenzene		59353	0.20	ug/kg	
68	19.102	105.00	sec-Butylbenzene		108958	0.15	ug/kg	
69	19.070	146.00	1,3-Dichlorobenzene		131708	0.27	ug/kg	
70	19.225	146.00	1,4-Dichlorobenzene		139542	0.28	ug/kg	
71	19.547	119.00	p-Isopropyltoluene		101758	0.17	ug/kg	
72	19.863	146.00	1,2-Dichlorobenzene		140478	0.31	ug/kg	
73	20.251	91.00	n-Butylbenzene		196605	0.36	ug/kg	
74	20.600	157.00	1,2-Dibromo-3-Chloropropane		50619	0.50	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50815904.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 2:18 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815904 (83589) COMP. OF 3
Misc Info : 50815904 (83589) COMP. OF 3 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950810-FW-IW-SL0030 (A-D)
Control No.: 83591
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyst: Charles Johnson, 22-Aug-95 15:03
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	59	59
Acrolein	<	59	59
Acrylonitrile	<	59	59
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	59	59
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	24	24
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	18	18
2-Hexanone	<	59	59
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	59	59

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		5	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		**Range**
Dibromofluoromethane	94.5 %	80 - 120
Toluene-d8	97.8 %	81 - 117
4-Bromofluorobenzene	110.5 %	74 - 121

Percent Solids	85.0 %

Approved by: Jerry Hamilton

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815906.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:03 pm using AcqMethod 8260LLS
Sample Name: 50815906 (83591) COMP. OF 4
Misc Info : 50815906 (83591) COMP. OF 4 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.45	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	1.93	0.2 ug/kg	#
5	Bromomethane	2.54	0.2 ug/kg	
6	Chloroethane	3.00	0.6 ug/kg	#
7	Trichlorofluoromethane	3.97	0.3 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.92	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.80	0.4 ug/kg	#
12	Acetone	4.50	10.8 ug/kg	
13	Dichloromethane	5.34	-9.2 ug/kg	#
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.84	0.1 ug/kg	#
17	Vinyl Acetate	7.38	3.2 ug/kg	
18	2,2-Dichloropropane	8.20	0.0 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.82	1.0 ug/kg	#
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.02	0.2 ug/kg	
23	1,1,1-Trichloroethane	9.00	1.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	37.8 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815906.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:03 pm using AcqMethod 8260LLS
Sample Name: 50815906 (83591) COMP. OF 4
Misc Info : 50815906 (83591) COMP. OF 4 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.0 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	10.50	0.0 ug/kg	#
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.03	0.2 ug/kg	
37	Toluene-d8 (SURR)	12.72	39.1 ug/kg	
38	Toluene (CCC)	12.81	1.2 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.38	0.2 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.0 ug/kg	#
51	m,p-Xylene	15.72	0.1 ug/kg	#
52	o-Xylene	16.33	0.1 ug/kg	#
53	Styrene	16.26	0.0 ug/kg	#
54	Bromoform (SPCC)	15.66	0.0 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.95	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	44.2 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.48	0.2 ug/kg	#
61	n-Propylbenzene	17.73	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

001629

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50815906.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:03 pm using AcqMethod 8260LLS
Sample Name: 50815906 (83591) COMP. OF 4
Misc Info : 50815906 (83591) COMP. OF 4 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	***** NOT FOUND *****		
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.08	0.1 ug/kg	#
70	1,4-Dichlorobenzene	19.22	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.1 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.24	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.48	0.1 ug/kg	

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50815906.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 15:03
Method	8260LLS
Misc Info	50815906 (83591) COMP. OF 4 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.062	168.00	Pentafluorobenzene	30981870	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.446	50.00	Chloromethane (SPCC)	30518	0.10	ug/kg	
4	1.927	62.00	Vinyl Chloride (CCC)	44873	0.21	ug/kg	
5	2.538	94.00	Bromomethane	22236	0.24	ug/kg	
6	2.996	64.00	Chloroethane	26933	0.56	ug/kg	
7	3.967	101.00	Trichlorofluoromethane	106174	0.25	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.916	61.00	1,1-Dichloroethylene (CCC)	43586	0.10	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.803	127.00	Iodomethane	67578	0.37	ug/kg	
12	4.505	43.00	Acetone	1114274	10.81	ug/kg	
13	5.340	49.00	Dichloromethane	888697	-9.20	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.842	63.00	1,1-Dichloroethane (SPCC)	34305	0.07	ug/kg	
17	7.376	86.00	Vinyl Acetate	27908	3.22	ug/kg	
18	8.197	77.00	2,2-Dichloropropane	7642	0.02	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.821	72.00	Methyl Ethyl Ketone	26614	1.02	ug/kg	

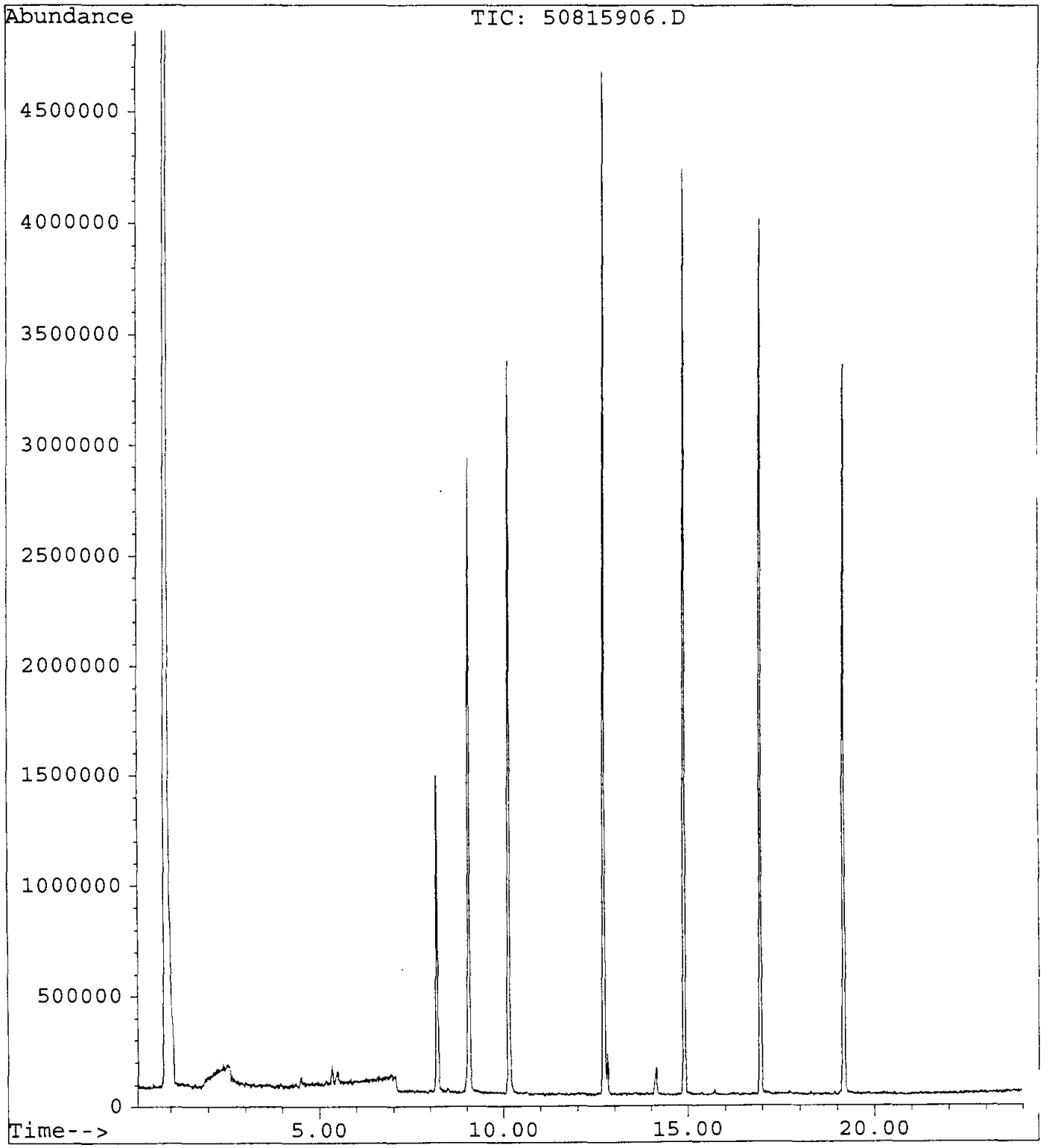
001240

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.016	83.00	Chloroform (CCC)		122546	0.17	ug/kg	
23	8.997	97.00	1,1,1-Trichloroethane		702307	1.07	ug/kg	
24	8.190	113.00	Dibromofluoromethane (SURR)		13821341	37.81	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		36935497	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.586	78.00	Benzene		56716	0.05	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	10.503	83.00	Dichlorobromomethane		17494	0.03	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.032	43.00	4-Methyl-2-Pentanone		108035	0.17	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		43423939	39.08	ug/kg	
38	12.811	91.00	Toluene (CCC)		1746207	1.16	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.897	54.00	Chlorobenzene-d5		11052324	40.00	ug/kg	ISTD
43	13.888	166.00	Tetrachloroethylene		75484	0.11	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.376	43.00	2-Hexanone		73412	0.20	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.940	112.00	Chlorobenzene (SPCC)		79870	0.09	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.368	91.00	Ethylbenzene (CCC)		65357	0.04	ug/kg	
51	15.717	106.00	m,p-Xylene		54580	0.11	ug/kg	
52	16.331	91.00	o-Xylene		74060	0.06	ug/kg	
53	16.256	104.00	Styrene		33511	0.04	ug/kg	
54	15.660	173.00	Bromoform (SPCC)		21315	0.04	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		17385577	40.00	ug/kg	ISTD
56	16.954	105.00	Isopropylbenzene		119226	0.10	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)		17853849	44.20	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.477	75.00	1,2,3-Trichloropropane		56909	0.16	ug/kg	
61	17.728	91.00	n-Propylbenzene		107151	0.04	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.909	91.00	4-Chlorotoluene		52611	0.06	ug/kg	
65	0.000	105.00	1,3,5-Trimethylbenzene		0	0.00	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.097	105.00	sec-Butylbenzene		73187	0.08	ug/kg	
69	19.081	146.00	1,3-Dichlorobenzene		55678	0.09	ug/kg	
70	19.221	146.00	1,4-Dichlorobenzene		79947	0.12	ug/kg	
71	19.553	119.00	p-Isopropyltoluene		63966	0.08	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.240	91.00	n-Butylbenzene		60423	0.08	ug/kg	
74	20.477	157.00	1,2-Dibromo-3-Chloropropane		8588	0.07	ug/kg	

001242

File : C:\HPCHEM\1\DATA\0822\50815906.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:03 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50815906 (83591) COMP. OF 4
Misc Info : 50815906 (83591) COMP. OF 4 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0028S(A-B)
Control No.: 83708
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 15:48
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		213	78
Acrolein	<	78	78
Acrylonitrile	<	78	78
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	78	78
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	31	31
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	39	39
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	78	78
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	78	78

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	47	47
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.3 %	80 - 120
Toluene-d8	105.3 %	81 - 117
4-Bromofluorobenzene	92.0 %	74 - 121

Percent Solids	64.0 %

Approved by: _____

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 16:16:16 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.49	0.6 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.85	0.7 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	4.09	0.5 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	5.24	0.4 ug/kg	#
11	Iodomethane	4.81	0.3 ug/kg	#
12	Acetone	4.52	136.6 ug/kg	
13	Dichloromethane	5.35	-10.0 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.98	0.1 ug/kg	#
17	Vinyl Acetate	7.23	5.0 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.67	0.1 ug/kg	#
20	Methyl Ethyl Ketone	7.69	7.6 ug/kg	
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.03	0.1 ug/kg	
23	1,1,1-Trichloroethane	9.01	0.4 ug/kg	
24	Dibromofluoromethane (SURR)	8.20	39.7 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.30	0.2 ug/kg	#

Calibration Last Updated: Tue Aug 22 16:16:16 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.49	0.1 ug/kg	#
28	Benzene	9.60	0.2 ug/kg	
29	1,2-Dichloroethane	9.05	-0.0 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	10.34	0.0 ug/kg	#
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.36	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	12.04	0.3 ug/kg	#
37	Toluene-d8 (SURR)	12.72	42.1 ug/kg	
38	Toluene (CCC)	12.82	1.0 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.41	0.2 ug/kg	
46	Dibromochloromethane	13.05	0.0 ug/kg	#
47	1,2-Dibromoethane	13.45	0.1 ug/kg	#
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.38	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.4 ug/kg	
52	o-Xylene	16.32	0.2 ug/kg	
53	Styrene	16.23	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	36.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.45	0.1 ug/kg	#
61	n-Propylbenzene	17.70	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 16:16:16 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.70	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	
66	tert-Butylbenzene	18.67	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.96	0.2 ug/kg	#
68	sec-Butylbenzene	19.12	0.1 ug/kg	#
69	1,3-Dichlorobenzene	***** NOT FOUND *****		
70	1,4-Dichlorobenzene	19.22	0.1 ug/kg	#
71	p-Isopropyltoluene	19.55	0.0 ug/kg	#
72	1,2-Dichlorobenzene	19.84	0.0 ug/kg	#
73	n-Butylbenzene	20.26	0.1 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.55	0.2 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50818601.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 15:48
Method	8260LLS
Misc Info	50818601 (83708) COMP. OF 2 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	26421394	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.487	50.00	Chloromethane (SPCC)	148481	0.56	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.848	64.00	Chloroethane	28094	0.69	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	4.088	56.00	Acrolein	9493	0.45	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	5.243	78.00	Carbon Disulfide	21961	0.40	ug/kg	
11	4.812	127.00	Iodomethane	51098	0.33	ug/kg	
12	4.520	43.00	Acetone	12437189	136.61	ug/kg	
13	5.346	49.00	Dichloromethane	572459	-9.97	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.983	63.00	1,1-Dichloroethane (SPCC)	41359	0.11	ug/kg	
17	7.225	86.00	Vinyl Acetate	37014	5.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.665	61.00	cis-1,2-Dichloroethylene	34300	0.07	ug/kg	
20	7.693	72.00	Methyl Ethyl Ketone	169071	7.57	ug/kg	

001249

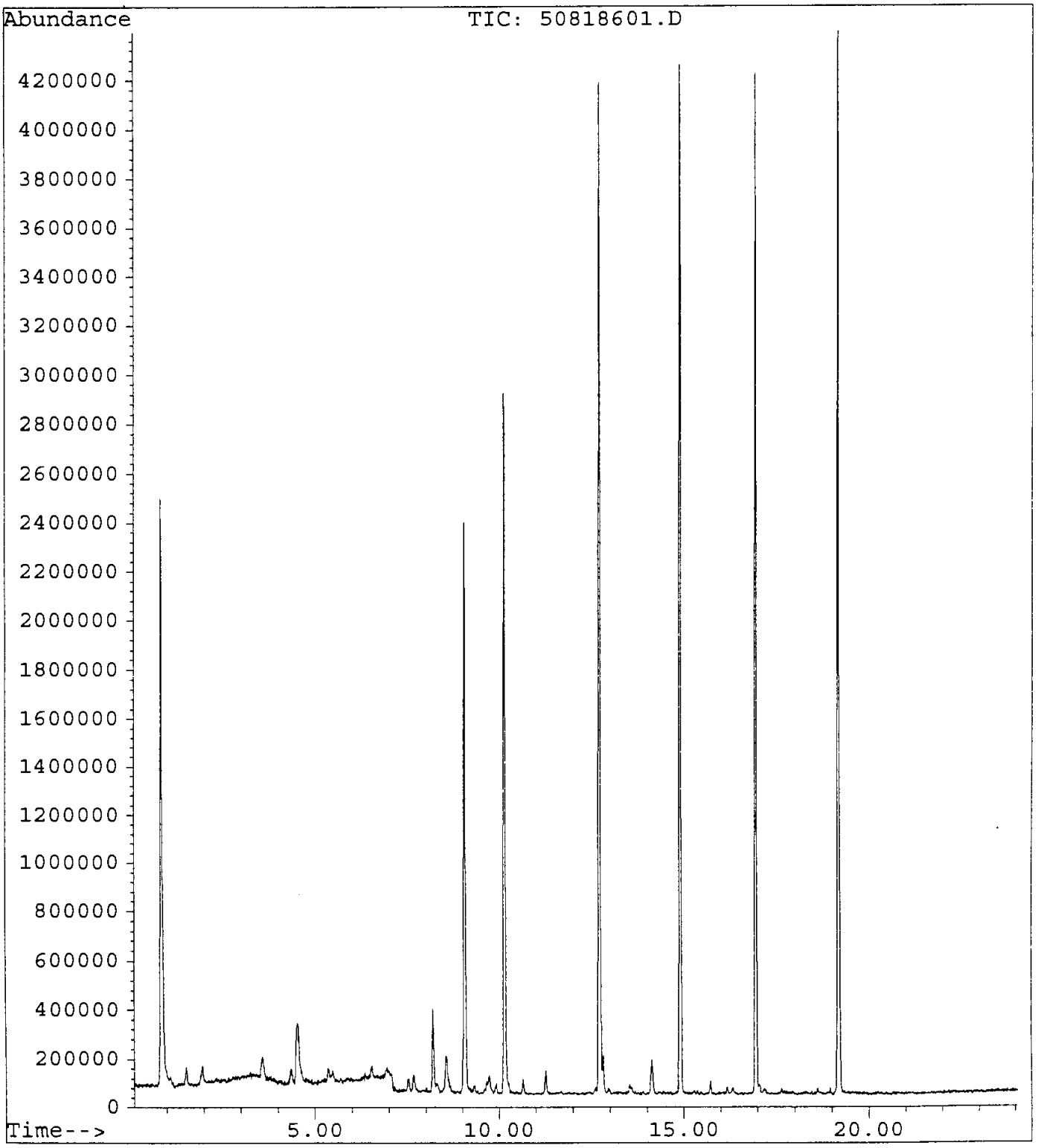
21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.025	83.00	Chloroform (CCC)		71550	0.12	ug/kg	
23	9.009	97.00	1,1,1-Trichloroethane		223048	0.40	ug/kg	
24	8.195	113.00	Dibromofluoromethane (SURR)		3046168	39.66	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		31610305	40.00	ug/kg	ISTD
26	9.302	75.00	1,1-Dichloropropene		62187	0.16	ug/kg	
27	9.494	117.00	Carbon Tetrachloride		22347	0.05	ug/kg	
28	9.599	78.00	Benzene		234700	0.24	ug/kg	
29	9.052	62.00	1,2-Dichloroethane		-3999	-0.01	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	10.345	174.00	Dibromomethane		10913	0.03	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.356	75.00	trans-1,3-Dichloropropene		38610	0.12	ug/kg	
36	12.036	43.00	4-Methyl-2-Pentanone		155265	0.29	ug/kg	
37	12.718	98.00	Toluene-d8 (SURR)		40005839	42.07	ug/kg	
38	12.820	91.00	Toluene (CCC)		1241429	0.97	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		11343250	40.00	ug/kg	ISTD
43	13.885	166.00	Tetrachloroethylene		44392	0.06	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.410	43.00	2-Hexanone		91377	0.25	ug/kg	
46	13.055	129.00	Dibromochloromethane		11248	0.02	ug/kg	
47	13.452	107.00	1,2-Dibromoethane		24057	0.07	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

00125

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.376	91.00	Ethylbenzene (CCC)		134488	0.09	ug/kg	
51	15.727	106.00	m,p-Xylene		210376	0.40	ug/kg	
52	16.324	91.00	o-Xylene		269083	0.20	ug/kg	
53	16.230	104.00	Styrene		36212	0.04	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.183	152.00	1,4-Dichlorobenzene-d4		22840537	40.00	ug/kg	ISTD
56	16.955	105.00	Isopropylbenzene		150629	0.09	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)		19543376	36.83	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.453	75.00	1,2,3-Trichloropropane		31494	0.07	ug/kg	
61	17.702	91.00	n-Propylbenzene		61282	0.02	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.701	91.00	4-Chlorotoluene		70851	0.06	ug/kg	
65	18.297	105.00	1,3,5-Trimethylbenzene		112291	0.09	ug/kg	
66	18.675	119.00	tert-Butylbenzene		28381	0.03	ug/kg	
67	18.958	120.00	1,2,4-Trimethylbenzene		97932	0.20	ug/kg	
68	19.116	105.00	sec-Butylbenzene		99379	0.08	ug/kg	
69	0.000	146.00	1,3-Dichlorobenzene		0	0.00	ug/kg	
70	19.223	146.00	1,4-Dichlorobenzene		55940	0.07	ug/kg	
71	19.551	119.00	p-Isopropyltoluene		32923	0.03	ug/kg	
72	19.840	146.00	1,2-Dichlorobenzene		34794	0.05	ug/kg	
73	20.256	91.00	n-Butylbenzene		69311	0.07	ug/kg	
74	20.546	157.00	1,2-Dibromo-3-Chloropropane		26876	0.16	ug/kg	

001251

File : C:\HPCHEM\1\DATA\0822\50818601.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 3:48 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818601 (83708) COMP. OF 2
Misc Info : 50818601 (83708) COMP. OF 2 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0028D(A-B)
Control No.: 83710
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 16:34
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone		114	77
Acrolein	<	77	77
Acrylonitrile	<	77	77
Benzene	<	8	8
Bromodichloromethane	<	8	8
Bromoform	<	8	8
Bromomethane	<	8	8
2-Butanone (MEK)	<	77	77
Carbon disulfide	<	8	8
Carbon tetrachloride	<	8	8
Chlorobenzene	<	8	8
Chloroethane	<	8	8
2-Chloroethylvinyl ether	<	31	31
Chloroform	<	8	8
Chloromethane	<	8	8
Dibromochloromethane	<	8	8
1,2-Dibromoethane (EDB)	<	8	8
Dibromomethane	<	8	8
trans-1,4-Dichloro-2-butene	<	38	38
Dichlorodifluoromethane	<	8	8
1,1-Dichloroethane	<	8	8
1,2-Dichloroethane	<	8	8
trans-1,2-Dichloroethene	<	8	8
1,1-Dichloroethene	<	8	8
1,2-Dichloropropane	<	8	8
cis-1,3-Dichloropropene	<	8	8
trans-1,3-Dichloropropene	<	8	8
Ethylbenzene	<	8	8
Ethyl methacrylate	<	23	23
2-Hexanone	<	77	77
Iodomethane	<	8	8
Methylene chloride (Dichloromethane)	<	8	8
4-Methyl-2-pentanone (MIBK)	<	77	77

Styrene	<	8	8
1,1,2,2-Tetrachloroethane	<	8	8
Tetrachloroethene	<	8	8
Toluene	<	8	8
1,1,1-Trichloroethane	<	8	8
1,1,2-Trichloroethane	<	8	8
Trichloroethene	<	8	8
Trichlorofluoromethane	<	8	8
1,2,3-Trichloropropane	<	8	8
Vinyl acetate	<	46	46
Vinyl chloride	<	8	8
Xylenes	<	8	8

Surrogate Recoveries		Range
Dibromofluoromethane	99.0 %	80 - 120
Toluene-d8	107.8 %	81 - 117
4-Bromofluorobenzene	117.3 %	74 - 121

Percent Solids	65.0 %

Approved by: Jerry Hancastle

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 17:01:08 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818603.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 4:34 pm using AcqMethod 8260LLS
Sample Name: 50818603 (83710) COMP. OF 2
Misc Info : 50818603 (83710) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	9.58	0.0 ug/kg	#
28	Benzene	9.58	0.2 ug/kg	
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	10.57	0.0 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	11.44	3.4 ug/kg	#
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.02	0.1 ug/kg	#
37	Toluene-d8 (SURR)	12.72	43.1 ug/kg	
38	Toluene (CCC)	12.82	0.3 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	***** NOT FOUND *****		
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.39	0.2 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.93	0.0 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.0 ug/kg	#
51	m,p-Xylene	15.71	0.1 ug/kg	
52	o-Xylene	16.34	0.0 ug/kg	#
53	Styrene	16.23	0.0 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	46.9 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	16.42	0.0 ug/kg	#
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.73	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 17:01:08 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818603.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 4:34 pm using AcqMethod 8260LLS
Sample Name: 50818603 (83710) COMP. OF 2
Misc Info : 50818603 (83710) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.52	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	1.83	0.2 ug/kg	#
5	Bromomethane	2.49	0.5 ug/kg	#
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.77	0.4 ug/kg	#
12	Acetone	4.45	73.9 ug/kg	
13	Dichloromethane	5.32	-9.5 ug/kg	
14	trans-1,2-Dichloroethylene	6.39	0.1 ug/kg	#
15	Acrylonitrile	5.43	0.6 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.76	0.1 ug/kg	#
17	Vinyl Acetate	7.34	3.9 ug/kg	
18	2,2-Dichloropropane	8.18	0.1 ug/kg	#
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	7.64	7.6 ug/kg	#
21	Bromochloromethane	7.75	0.1 ug/kg	#
22	Chloroform (CCC)	8.01	0.2 ug/kg	
23	1,1,1-Trichloroethane	8.99	0.0 ug/kg	#
24	Dibromofluoromethane (SURR)	8.18	39.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

001256

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Tue Aug 22 17:01:08 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818603.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 4:34 pm using AcqMethod 8260LLS
Sample Name: 50818603 (83710) COMP. OF 2
Misc Info : 50818603 (83710) COMP. OF 2 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.73	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.0 ug/kg	#
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	***** NOT FOUND *****		
68	sec-Butylbenzene	19.10	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.23	0.1 ug/kg	#
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	19.85	0.0 ug/kg	#
73	n-Butylbenzene	20.23	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.60	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

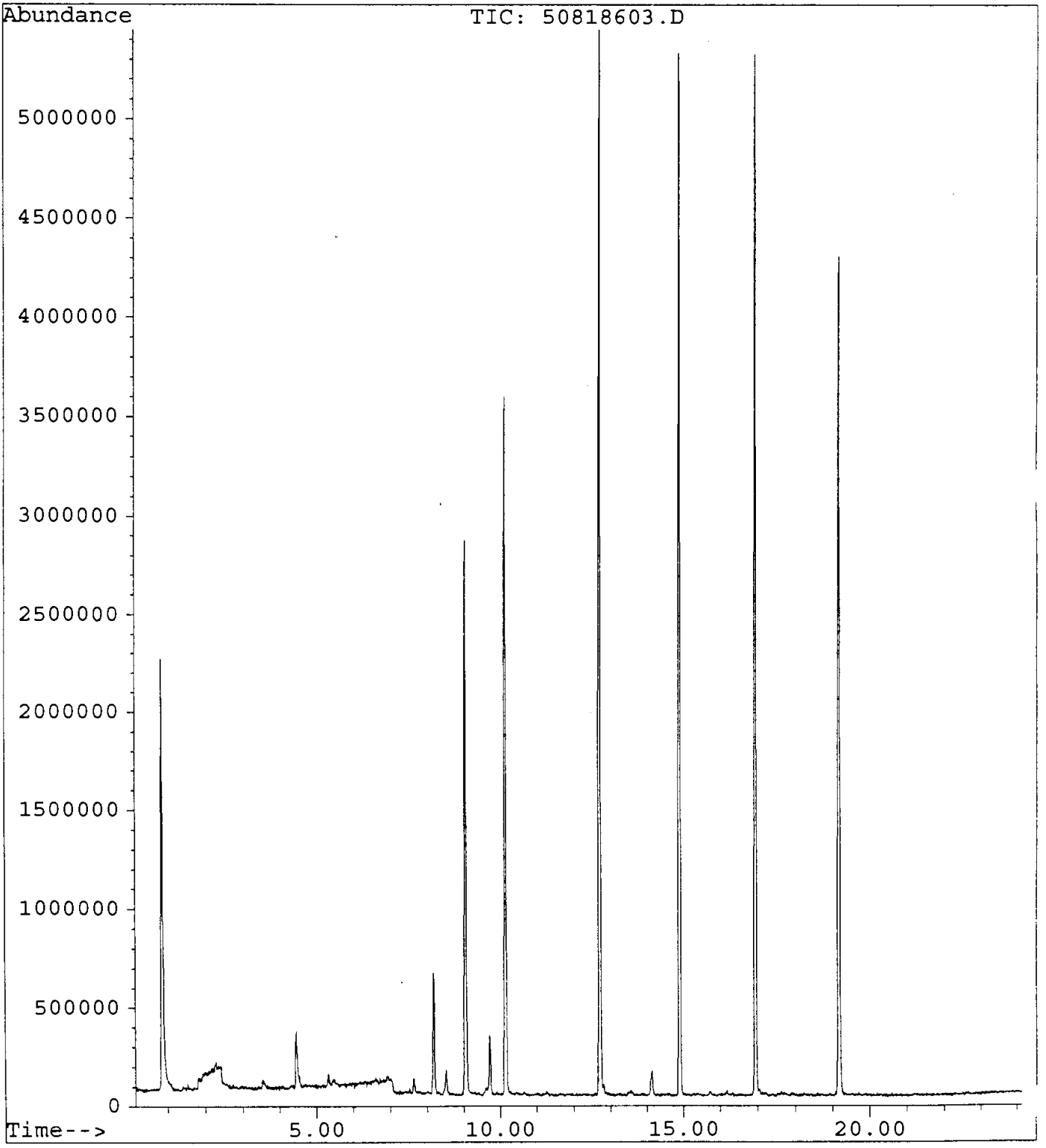
File Name	50818603.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 16:34
Method	8260LLS
Misc Info	50818603 (83710) COMP. OF 2 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.056	168.00	Pentafluorobenzene	30583096	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.517	50.00	Chloromethane (SPCC)	34514	0.11	ug/kg	
4	1.830	62.00	Vinyl Chloride (CCC)	34424	0.17	ug/kg	
5	2.494	94.00	Bromomethane	43578	0.48	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.768	127.00	Iodomethane	64546	0.36	ug/kg	
12	4.453	43.00	Acetone	7647951	73.85	ug/kg	
13	5.316	49.00	Dichloromethane	807149	-9.45	ug/kg	
14	6.388	61.00	trans-1,2-Dichloroethylene	40163	0.11	ug/kg	
15	5.429	53.00	Acrylonitrile	40196	0.59	ug/kg	
16	6.764	63.00	1,1-Dichloroethane (SPCC)	50474	0.11	ug/kg	
17	7.343	86.00	Vinyl Acetate	33605	3.92	ug/kg	
18	8.180	77.00	2,2-Dichloropropane	40044	0.10	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	7.644	72.00	Methyl Ethyl Ketone	196898	7.61	ug/kg	

21	7.749	130.00	Bromochloromethane		11297	0.06	ug/kg	
22	8.013	83.00	Chloroform (CCC)		166605	0.23	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane		32218	0.05	ug/kg	
24	8.183	113.00	Dibromofluoromethane (SURR)		5786536	39.63	ug/kg	
25	10.142	114.00	1,4-Difluorobenzene		38597404	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	9.575	117.00	Carbon Tetrachloride		20597	0.04	ug/kg	
28	9.585	78.00	Benzene		214960	0.18	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	10.566	130.00	Trichloroethylene		8689	0.02	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	11.445	63.00	2-Chloroethyl Vinyl Ether		22051	3.44	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.023	43.00	4-Methyl-2-Pentanone		70715	0.11	ug/kg	
37	12.715	98.00	Toluene-d8 (SURR)		50041442	43.10	ug/kg	
38	12.816	91.00	Toluene (CCC)		398810	0.25	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.897	54.00	Chlorobenzene-d5		14227048	40.00	ug/kg	ISTD
43	0.000	166.00	Tetrachloroethylene		0	0.00	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.386	43.00	2-Hexanone		76495	0.16	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.925	112.00	Chlorobenzene (SPCC)		41787	0.03	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.369	91.00	Ethylbenzene (CCC)		68753	0.03	ug/kg	
51	15.710	106.00	m,p-Xylene		93297	0.14	ug/kg	
52	16.338	91.00	o-Xylene		84412	0.05	ug/kg	
53	16.228	104.00	Styrene		46527	0.05	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		22489591	40.00	ug/kg	ISTD
56	16.937	105.00	Isopropylbenzene		108833	0.07	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		24504049	46.90	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	16.419	83.00	1,1,2,2-Tetrachloroethane (SPCC)		16426	0.03	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.728	91.00	n-Propylbenzene		39674	0.01	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.728	91.00	4-Chlorotoluene		40003	0.03	ug/kg	
65	18.301	105.00	1,3,5-Trimethylbenzene		55213	0.05	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	0.000	120.00	1,2,4-Trimethylbenzene		0	0.00	ug/kg	
68	19.100	105.00	sec-Butylbenzene		36028	0.03	ug/kg	
69	19.071	146.00	1,3-Dichlorobenzene		30949	0.04	ug/kg	
70	19.228	146.00	1,4-Dichlorobenzene		59216	0.07	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	19.853	146.00	1,2-Dichlorobenzene		22207	0.03	ug/kg	
73	20.230	91.00	n-Butylbenzene		8511	0.01	ug/kg	
74	20.599	157.00	1,2-Dibromo-3-Chloropropane		4241	0.03	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50818603.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 4:34 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818603 (83710) COMP. OF 2
Misc Info : 50818603 (83710) COMP. OF 2 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0032
Control No.: 83712
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 17:18
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	68	68
Acrolein	<	68	68
Acrylonitrile	<	68	68
Benzene	<	7	7
Bromodichloromethane	<	7	7
Bromoform	<	7	7
Bromomethane	<	7	7
2-Butanone (MEK)	<	68	68
Carbon disulfide	<	7	7
Carbon tetrachloride	<	7	7
Chlorobenzene	<	7	7
Chloroethane	<	7	7
2-Chloroethylvinyl ether	<	27	27
Chloroform	<	7	7
Chloromethane	<	7	7
Dibromochloromethane	<	7	7
1,2-Dibromoethane (EDB)	<	7	7
Dibromomethane	<	7	7
trans-1,4-Dichloro-2-butene	<	34	34
Dichlorodifluoromethane	<	7	7
1,1-Dichloroethane	<	7	7
1,2-Dichloroethane	<	7	7
trans-1,2-Dichloroethene	<	7	7
1,1-Dichloroethene	<	7	7
1,2-Dichloropropane	<	7	7
cis-1,3-Dichloropropene	<	7	7
trans-1,3-Dichloropropene	<	7	7
Ethylbenzene	<	7	7
Ethyl methacrylate	<	20	20
2-Hexanone	<	68	68
Iodomethane	<	7	7
Methylene chloride (Dichloromethane)	<	7	7
4-Methyl-2-pentanone (MIBK)	<	68	68

Styrene	<	7	7
1,1,2,2-Tetrachloroethane	<	7	7
Tetrachloroethene	<	7	7
Toluene	<	7	7
1,1,1-Trichloroethane	<	7	7
1,1,2-Trichloroethane	<	7	7
Trichloroethene	<	7	7
Trichlorofluoromethane	<	7	7
1,2,3-Trichloropropane	<	7	7
Vinyl acetate	<	41	41
Vinyl chloride	<	7	7
Xylenes	<	7	7

Surrogate Recoveries		Range
Dibromofluoromethane	96.8 %	80 - 120
Toluene-d8	106.3 %	81 - 117
4-Bromofluorobenzene	91.5 %	74 - 121

Percent Solids	74.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	***** NOT FOUND *****		
3	Chloromethane (SPCC)	1.46	0.1 ug/kg	#
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	***** NOT FOUND *****		
7	Trichlorofluoromethane	3.97	0.1 ug/kg	#
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.96	0.1 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.87	0.3 ug/kg	#
12	Acetone	4.51	7.0 ug/kg	
13	Dichloromethane	5.34	-11.4 ug/kg	#
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	***** NOT FOUND *****		
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	***** NOT FOUND *****		
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	8.01	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	0.1 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	38.7 ug/kg	
25	1,4-Difluorobenzene	10.15	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	***** NOT FOUND *****		

001261

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.0 ug/kg	#
29	1,2-Dichloroethane	9.05	0.1 ug/kg	#
30	Trichloroethylene	***** NOT FOUND *****		
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	12.35	0.1 ug/kg	#
36	4-Methyl-2-Pentanone	12.16	0.2 ug/kg	#
37	Toluene-d8 (SURR)	12.72	42.5 ug/kg	
38	Toluene (CCC)	12.83	0.2 ug/kg	
39	cis-1,3-Dichloropropene	11.64	0.1 ug/kg	#
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.1 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	14.86	0.0 ug/kg	#
50	Ethylbenzene (CCC)	15.35	0.1 ug/kg	#
51	m,p-Xylene	15.73	0.4 ug/kg	
52	o-Xylene	16.33	0.2 ug/kg	
53	Styrene	***** NOT FOUND *****		
54	Bromoform (SPCC)	15.73	0.1 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.19	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.96	0.0 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	36.6 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.71	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.91	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.2 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.95	0.3 ug/kg	
68	sec-Butylbenzene	19.12	0.0 ug/kg	#
69	1,3-Dichlorobenzene	19.10	0.0 ug/kg	#
70	1,4-Dichlorobenzene	19.22	0.1 ug/kg	#
71	p-Isopropyltoluene	***** NOT FOUND *****		
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.23	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.58	0.0 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50818605.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 17:18
Method	8260LLS
Misc Info	50818605 (83712) 0822
Bottle Number	1
Number of Compounds	74

Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.063	168.00	Pentafluorobenzene	29035355	40.00	ug/kg	*ISTD
2	0.000	85.00	Dichlorodifluoromethane	0	0.00	ug/kg	
3	1.460	50.00	Chloromethane (SPCC)	32530	0.11	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	0.000	64.00	Chloroethane	0	0.00	ug/kg	
7	3.970	101.00	Trichlorofluoromethane	36848	0.09	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.955	61.00	1,1-Dichloroethylene (CCC)	42958	0.11	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.872	127.00	Iodomethane	45150	0.26	ug/kg	
12	4.509	43.00	Acetone	680039	7.05	ug/kg	
13	5.337	49.00	Dichloromethane	258532	-11.39	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	0.000	63.00	1,1-Dichloroethane (SPCC)	0	0.00	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	0.000	61.00	cis-1,2-Dichloroethylene	0	0.00	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

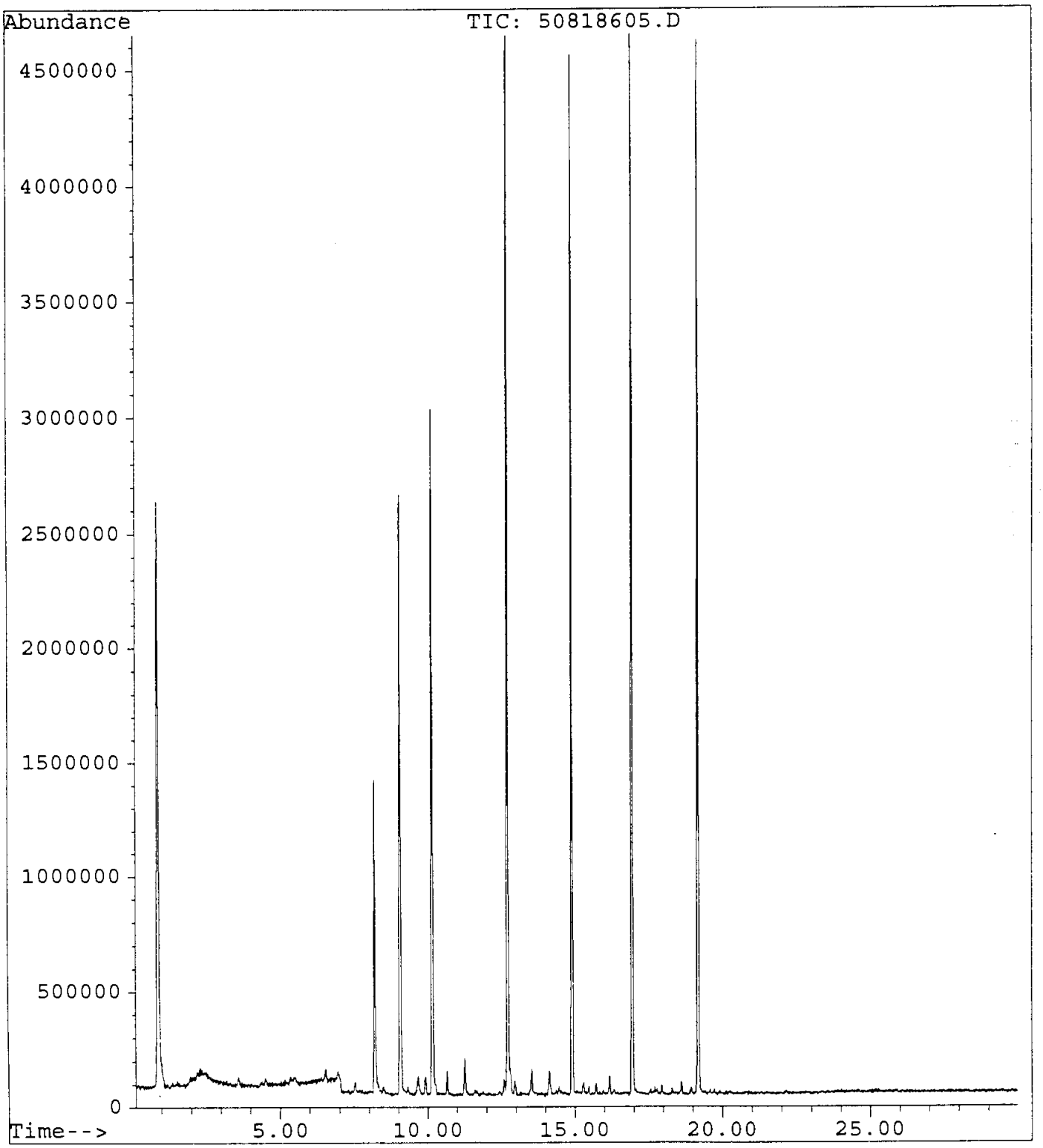
001267

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	8.014	83.00	Chloroform (CCC)		81245	0.12	ug/kg	
23	8.988	97.00	1,1,1-Trichloroethane		67022	0.11	ug/kg	
24	8.192	113.00	Dibromofluoromethane (SURR)		13243986	38.66	ug/kg	
25	10.147	114.00	1,4-Difluorobenzene		34428780	40.00	ug/kg	ISTD
26	0.000	75.00	1,1-Dichloropropene		0	0.00	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.593	78.00	Benzene		48755	0.05	ug/kg	
29	9.054	62.00	1,2-Dichloroethane		29359	0.06	ug/kg	
30	0.000	130.00	Trichloroethylene		0	0.00	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	12.352	75.00	trans-1,3-Dichloropropene		28741	0.08	ug/kg	
36	12.155	43.00	4-Methyl-2-Pentanone		94150	0.16	ug/kg	
37	12.719	98.00	Toluene-d8 (SURR)		43975789	42.46	ug/kg	
38	12.828	91.00	Toluene (CCC)		306686	0.22	ug/kg	
39	11.635	75.00	cis-1,3-Dichloropropene		25690	0.06	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.898	54.00	Chlorobenzene-d5		12031020	40.00	ug/kg	ISTD
43	13.885	166.00	Tetrachloroethylene		56676	0.07	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	14.861	131.00	1,1,1,2-Tetrachloroethane		19340	0.04	ug/kg	
50	15.354	91.00	Ethylbenzene (CCC)		90481	0.05	ug/kg	
51	15.731	106.00	m,p-Xylene		233587	0.42	ug/kg	
52	16.329	91.00	o-Xylene		233852	0.16	ug/kg	
53	0.000	104.00	Styrene		0	0.00	ug/kg	
54	15.727	173.00	Bromoform (SPCC)		29947	0.06	ug/kg	
55	19.185	152.00	1,4-Dichlorobenzene-d4		24174631	40.00	ug/kg	ISTD
56	16.962	105.00	Isopropylbenzene		79962	0.05	ug/kg	
57	16.942	95.00	4-Bromofluorobenzene (SURR)		20539241	36.57	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.711	91.00	n-Propylbenzene		108969	0.03	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.910	91.00	4-Chlorotoluene		63666	0.05	ug/kg	
65	18.304	105.00	1,3,5-Trimethylbenzene		217855	0.17	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.949	120.00	1,2,4-Trimethylbenzene		140793	0.26	ug/kg	
68	19.119	105.00	sec-Butylbenzene		30634	0.02	ug/kg	
69	19.095	146.00	1,3-Dichlorobenzene		35987	0.04	ug/kg	
70	19.216	146.00	1,4-Dichlorobenzene		44528	0.05	ug/kg	
71	0.000	119.00	p-Isopropyltoluene		0	0.00	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.234	91.00	n-Butylbenzene		104214	0.11	ug/kg	
74	20.585	157.00	1,2-Dibromo-3-Chloropropane		7924	0.04	ug/kg	

001269

File : C:\HPCHEM\1\DATA\0822\50818605.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 5:18 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818605 (83712)
Misc Info : 50818605 (83712) 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0013S(A-C)
Control No.: 83713
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 18:05
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	58	58
Acrolein	<	58	58
Acrylonitrile	<	58	58
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	58	58
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	23	23
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	29	29
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	17	17
2-Hexanone	<	58	58
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	58	58

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene	<	6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	35	35
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	92.3 %	80 - 120
Toluene-d8	101.0 %	81 - 117
4-Bromofluorobenzene	112.8 %	74 - 121

Percent Solids 86.0 %

Approved by: Jerry Hunsaith

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818606.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:05 pm using AcqMethod 8260LLS
Sample Name: 50818606 (83713)
Misc Info : 50818606 (83713) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.10	760.8 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.85	0.2 ug/kg	#
7	Trichlorofluoromethane	***** NOT FOUND *****		
8	Acrolein	***** NOT FOUND *****		
9	1,1-Dichloroethylene (CCC)	4.94	0.0 ug/kg	#
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	4.95	0.1 ug/kg	#
12	Acetone	4.48	7.1 ug/kg	
13	Dichloromethane	5.32	-9.8 ug/kg	
14	trans-1,2-Dichloroethylene	***** NOT FOUND *****		
15	Acrylonitrile	***** NOT FOUND *****		
16	1,1-Dichloroethane (SPCC)	6.77	0.0 ug/kg	#
17	Vinyl Acetate	***** NOT FOUND *****		
18	2,2-Dichloropropane	8.14	0.0 ug/kg	#
19	cis-1,2-Dichloroethylene	7.68	0.2 ug/kg	#
20	Methyl Ethyl Ketone	7.68	0.7 ug/kg	#
21	Bromochloromethane	7.72	0.1 ug/kg	#
22	Chloroform (CCC)	8.00	0.1 ug/kg	#
23	1,1,1-Trichloroethane	8.99	1.8 ug/kg	
24	Dibromofluoromethane (SURR)	8.19	36.9 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818606.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:05 pm using AcqMethod 8260LLS
Sample Name: 50818606 (83713)
Misc Info : 50818606 (83713) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.59	0.1 ug/kg	
29	1,2-Dichloroethane	9.00	0.1 ug/kg	#
30	Trichloroethylene	10.59	0.2 ug/kg	
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	***** NOT FOUND *****		
37	Toluene-d8 (SURR)	12.72	40.4 ug/kg	
38	Toluene (CCC)	12.82	4.5 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	13.26	0.2 ug/kg	#
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.89	0.8 ug/kg	
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	***** NOT FOUND *****		
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	***** NOT FOUND *****		
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.4 ug/kg	
51	m,p-Xylene	15.72	3.3 ug/kg	
52	o-Xylene	16.33	1.4 ug/kg	
53	Styrene	16.33	0.1 ug/kg	#
54	Bromoform (SPCC)	***** NOT FOUND *****		
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.97	0.2 ug/kg	
57	4-Bromofluorobenzene (SURR)	16.94	45.1 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	16.65	0.1 ug/kg	#
61	n-Propylbenzene	17.71	0.1 ug/kg	
62	2-Chlorotoluene	17.75	0.1 ug/kg	
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818606.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:05 pm using AcqMethod 8260LLS
Sample Name: 50818606 (83713)
Misc Info : 50818606 (83713) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.96	0.1 ug/kg	#
65	1,3,5-Trimethylbenzene	18.29	0.6 ug/kg	
66	tert-Butylbenzene	18.68	0.0 ug/kg	#
67	1,2,4-Trimethylbenzene	18.95	1.3 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.07	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.43	0.1 ug/kg	
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.25	0.1 ug/kg	
74	1,2-Dibromo-3-Chloropropane	20.60	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50818606.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 18:05
Method	8260LLS
Misc Info	50818606 (83713) 0822
Bottle Number	1
Number of Compounds	74

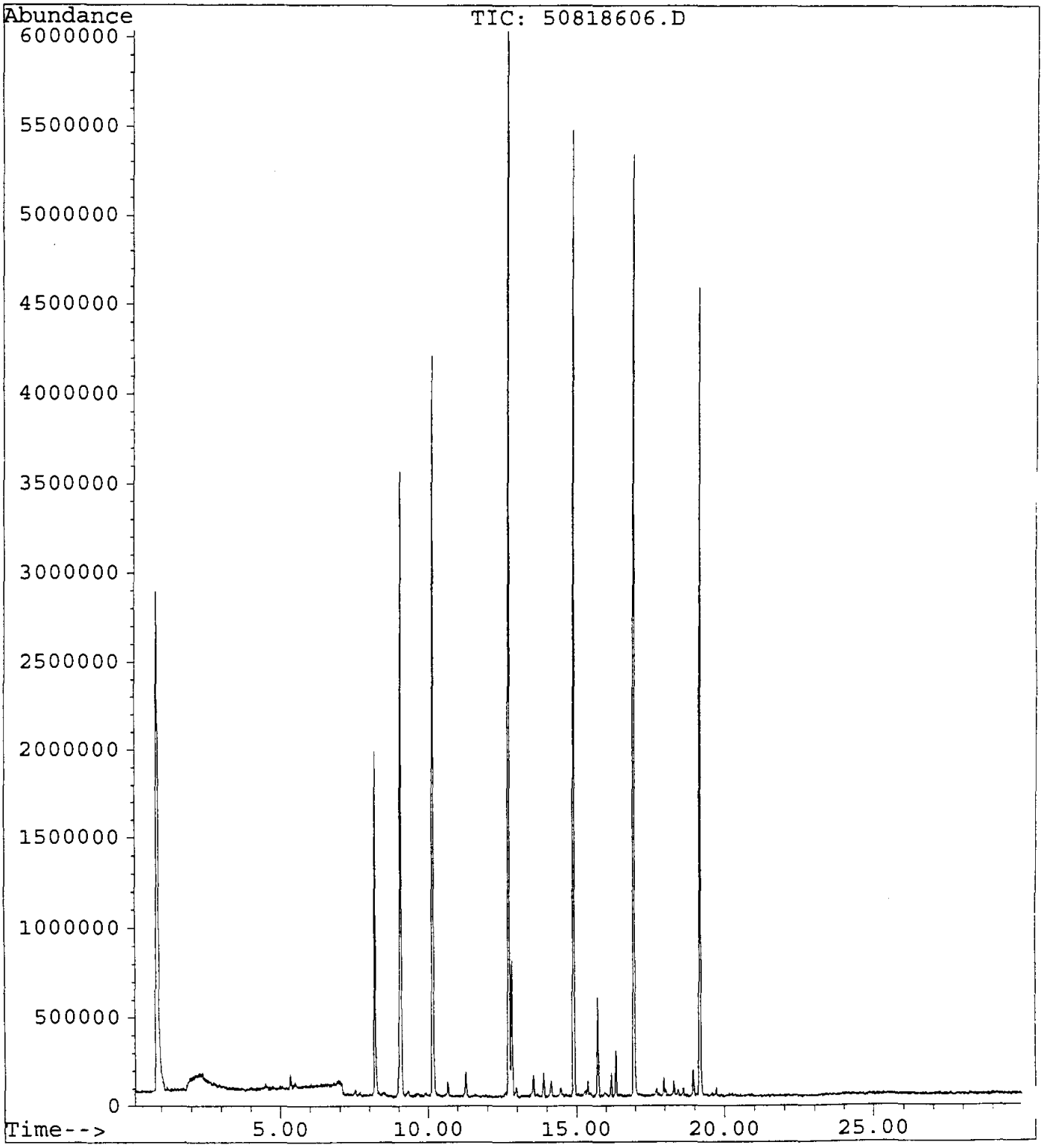
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.058	168.00	Pentafluorobenzene	38661923	40.00	ug/kg	*ISTD
2	1.101	85.00	Dichlorodifluoromethane	-11449	760.78	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.855	64.00	Chloroethane	10480	0.18	ug/kg	
7	0.000	101.00	Trichlorofluoromethane	0	0.00	ug/kg	
8	0.000	56.00	Acrolein	0	0.00	ug/kg	
9	4.938	61.00	1,1-Dichloroethylene (CCC)	22444	0.04	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	4.948	127.00	Iodomethane	20464	0.09	ug/kg	
12	4.483	43.00	Acetone	918015	7.15	ug/kg	
13	5.321	49.00	Dichloromethane	902506	-9.79	ug/kg	
14	0.000	61.00	trans-1,2-Dichloroethylene	0	0.00	ug/kg	
15	0.000	53.00	Acrylonitrile	0	0.00	ug/kg	
16	6.774	63.00	1,1-Dichloroethane (SPCC)	27795	0.05	ug/kg	
17	0.000	86.00	Vinyl Acetate	0	0.00	ug/kg	
18	8.141	77.00	2,2-Dichloropropane	26438	0.05	ug/kg	
19	7.683	61.00	cis-1,2-Dichloroethylene	137099	0.20	ug/kg	
20	7.685	72.00	Methyl Ethyl Ketone	23231	0.71	ug/kg	

Q Out - Cal. 6 OK DO NOT REPORT.

21	7.724	130.00	Bromochloromethane		14880	0.06	ug/kg	
22	8.004	83.00	Chloroform (CCC)		72072	0.08	ug/kg	
23	8.985	97.00	1,1,1-Trichloroethane		1461225	1.78	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		16853632	36.95	ug/kg	
25	10.144	114.00	1,4-Difluorobenzene		45385145	40.00	ug/kg	ISTD
26	9.286	75.00	1,1-Dichloropropene		144753	0.26	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.593	78.00	Benzene		170027	0.12	ug/kg	
29	9.001	62.00	1,2-Dichloroethane		35095	0.05	ug/kg	
30	10.587	130.00	Trichloroethylene		73963	0.16	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	0.000	43.00	4-Methyl-2-Pentanone		0	0.00	ug/kg	
37	12.717	98.00	Toluene-d8 (SURR)		55216271	40.44	ug/kg	
38	12.816	91.00	Toluene (CCC)		8286122	4.52	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	13.261	99.00	Ethyl Methacrylate		25660	0.18	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.895	54.00	Chlorobenzene-d5		14181170	40.00	ug/kg	ISTD
43	13.889	166.00	Tetrachloroethylene		711475	0.79	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	0.000	43.00	2-Hexanone		0	0.00	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	0.000	112.00	Chlorobenzene (SPCC)		0	0.00	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.373	91.00	Ethylbenzene (CCC)		833042	0.42	ug/kg	
51	15.718	106.00	m,p-Xylene		2175269	3.31	ug/kg	
52	16.329	91.00	o-Xylene		2391508	1.39	ug/kg	
53	16.329	104.00	Styrene		66172	0.06	ug/kg	
54	0.000	173.00	Bromoform (SPCC)		0	0.00	ug/kg	
55	19.184	152.00	1,4-Dichlorobenzene-d4		23246315	40.00	ug/kg	ISTD
56	16.966	105.00	Isopropylbenzene		249969	0.15	ug/kg	
57	16.941	95.00	4-Bromofluorobenzene (SURR)		24374081	45.13	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	16.652	75.00	1,2,3-Trichloropropane		27842	0.06	ug/kg	
61	17.714	91.00	n-Propylbenzene		353870	0.11	ug/kg	
62	17.747	126.00	2-Chlorotoluene		35688	0.08	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.956	91.00	4-Chlorotoluene		116034	0.09	ug/kg	
65	18.295	105.00	1,3,5-Trimethylbenzene		753349	0.60	ug/kg	
66	18.684	119.00	tert-Butylbenzene		38722	0.04	ug/kg	
67	18.953	120.00	1,2,4-Trimethylbenzene		664392	1.30	ug/kg	
68	19.098	105.00	sec-Butylbenzene		118172	0.09	ug/kg	
69	19.070	146.00	1,3-Dichlorobenzene		26918	0.03	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.430	119.00	p-Isopropyltoluene		111895	0.11	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.251	91.00	n-Butylbenzene		76085	0.08	ug/kg	
74	20.601	157.00	1,2-Dibromo-3-Chloropropane		20978	0.12	ug/kg	

File : C:\HPCHEM\1\DATA\0822\50818606.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:05 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818606 (83713)
Misc Info : 50818606 (83713) 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 8/23/95
ID number : 950814-FW-IW-SL0000(A-D)
Control No.: 83715
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Volatile Organic Compounds
Method 8260
Analyist: Charles Johnson, 22-Aug-95 18:52
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acetone	<	63	63
Acrolein	<	63	63
Acrylonitrile	<	63	63
Benzene	<	6	6
Bromodichloromethane	<	6	6
Bromoform	<	6	6
Bromomethane	<	6	6
2-Butanone (MEK)	<	63	63
Carbon disulfide	<	6	6
Carbon tetrachloride	<	6	6
Chlorobenzene	<	6	6
Chloroethane	<	6	6
2-Chloroethylvinyl ether	<	25	25
Chloroform	<	6	6
Chloromethane	<	6	6
Dibromochloromethane	<	6	6
1,2-Dibromoethane (EDB)	<	6	6
Dibromomethane	<	6	6
trans-1,4-Dichloro-2-butene	<	31	31
Dichlorodifluoromethane	<	6	6
1,1-Dichloroethane	<	6	6
1,2-Dichloroethane	<	6	6
trans-1,2-Dichloroethene	<	6	6
1,1-Dichloroethene	<	6	6
1,2-Dichloropropane	<	6	6
cis-1,3-Dichloropropene	<	6	6
trans-1,3-Dichloropropene	<	6	6
Ethylbenzene	<	6	6
Ethyl methacrylate	<	19	19
2-Hexanone	<	63	63
Iodomethane	<	6	6
Methylene chloride (Dichloromethane)	<	6	6
4-Methyl-2-pentanone (MIBK)	<	63	63

Styrene	<	6	6
1,1,2,2-Tetrachloroethane	<	6	6
Tetrachloroethene	<	6	6
Toluene		6	6
1,1,1-Trichloroethane	<	6	6
1,1,2-Trichloroethane	<	6	6
Trichloroethene	<	6	6
Trichlorofluoromethane	<	6	6
1,2,3-Trichloropropane	<	6	6
Vinyl acetate	<	38	38
Vinyl chloride	<	6	6
Xylenes	<	6	6

Surrogate Recoveries		Range
Dibromofluoromethane	96.5 %	80 - 120
Toluene-d8	110.8 %	81 - 117
4-Bromofluorobenzene	109.5 %	74 - 121

Percent Solids 80.0 %

Approved by: Jerry Hancock

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

Quantitation Settings:

Reference Peak Window:	0.70 Minutes
Non-Reference Peak Window:	0.70 Minutes
Correlation Window:	0.03 Minutes
Default Multiplier:	1.00
Default Sample Concentration:	0.00
Peak Type Decoding:	* -> Time Reference Peak
	m -> Manually re-integrated
	00X -> Compound references ISTD X

#	Compound	Ret Time	Concentration	Peak Type
1	Pentafluorobenzene	9.06	40.0 ug/kg	*ISTD1
2	Dichlorodifluoromethane	1.17	0.6 ug/kg	#
3	Chloromethane (SPCC)	***** NOT FOUND *****		
4	Vinyl Chloride (CCC)	***** NOT FOUND *****		
5	Bromomethane	***** NOT FOUND *****		
6	Chloroethane	2.98	0.5 ug/kg	#
7	Trichlorofluoromethane	4.09	0.0 ug/kg	#
8	Acrolein	4.19	2.5 ug/kg	#
9	1,1-Dichloroethylene (CCC)	***** NOT FOUND *****		
10	Carbon Disulfide	***** NOT FOUND *****		
11	Iodomethane	***** NOT FOUND *****		
12	Acetone	4.48	22.7 ug/kg	
13	Dichloromethane	5.32	-10.9 ug/kg	
14	trans-1,2-Dichloroethylene	6.42	0.1 ug/kg	#
15	Acrylonitrile	5.34	0.4 ug/kg	#
16	1,1-Dichloroethane (SPCC)	6.95	0.1 ug/kg	#
17	Vinyl Acetate	7.32	2.5 ug/kg	
18	2,2-Dichloropropane	***** NOT FOUND *****		
19	cis-1,2-Dichloroethylene	7.65	0.1 ug/kg	#
20	Methyl Ethyl Ketone	***** NOT FOUND *****		
21	Bromochloromethane	***** NOT FOUND *****		
22	Chloroform (CCC)	***** NOT FOUND *****		
23	1,1,1-Trichloroethane	8.99	0.3 ug/kg	#
24	Dibromofluoromethane (SURR)	8.19	38.6 ug/kg	
25	1,4-Difluorobenzene	10.14	40.0 ug/kg	*ISTD2
26	1,1-Dichloropropene	9.29	0.3 ug/kg	#

VOLATILES BY EPA METHOD 8260

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
27	Carbon Tetrachloride	***** NOT FOUND *****		
28	Benzene	9.60	0.1 ug/kg	#
29	1,2-Dichloroethane	***** NOT FOUND *****		
30	Trichloroethylene	10.58	0.0 ug/kg	#
31	1,2-Dichloropropane (CCC)	***** NOT FOUND *****		
32	Dibromomethane	***** NOT FOUND *****		
33	Dichlorobromomethane	***** NOT FOUND *****		
34	2-Chloroethyl Vinyl Ether	***** NOT FOUND *****		
35	trans-1,3-Dichloropropene	***** NOT FOUND *****		
36	4-Methyl-2-Pentanone	12.01	1.9 ug/kg	
37	Toluene-d8 (SURR)	12.72	44.3 ug/kg	
38	Toluene (CCC)	12.82	0.9 ug/kg	
39	cis-1,3-Dichloropropene	***** NOT FOUND *****		
40	Ethyl Methacrylate	***** NOT FOUND *****		
41	1,1,2-Trichloroethane	***** NOT FOUND *****		
42	Chlorobenzene-d5	14.90	40.0 ug/kg	*ISTD3
43	Tetrachloroethylene	13.88	0.0 ug/kg	#
44	1,3-Dichloropropane	***** NOT FOUND *****		
45	2-Hexanone	13.48	0.0 ug/kg	#
46	Dibromochloromethane	***** NOT FOUND *****		
47	1,2-Dibromoethane	***** NOT FOUND *****		
48	Chlorobenzene (SPCC)	14.94	0.1 ug/kg	#
49	1,1,1,2-Tetrachloroethane	***** NOT FOUND *****		
50	Ethylbenzene (CCC)	15.37	0.0 ug/kg	#
51	m,p-Xylene	15.70	0.3 ug/kg	
52	o-Xylene	16.33	0.1 ug/kg	
53	Styrene	16.23	0.0 ug/kg	#
54	Bromoform (SPCC)	15.63	0.0 ug/kg	#
55	1,4-Dichlorobenzene-d4	19.18	40.0 ug/kg	*ISTD4
56	Isopropylbenzene	16.94	0.1 ug/kg	#
57	4-Bromofluorobenzene (SURR)	16.94	43.8 ug/kg	
58	Bromobenzene	***** NOT FOUND *****		
59	1,1,2,2-Tetrachloroethane (SPCC	***** NOT FOUND *****		
60	1,2,3-Trichloropropane	***** NOT FOUND *****		
61	n-Propylbenzene	17.72	0.0 ug/kg	#
62	2-Chlorotoluene	***** NOT FOUND *****		
63	1,4-Dichloro-2-Butene	***** NOT FOUND *****		

Calibration Last Updated: Mon Jul 17 13:12:59 1995
Quantitation Report - Summary

Information from Data File:
File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\8260LLS.M

#	Compound	Ret Time	Concentration	Peak Type
64	4-Chlorotoluene	17.72	0.0 ug/kg	#
65	1,3,5-Trimethylbenzene	18.30	0.1 ug/kg	
66	tert-Butylbenzene	***** NOT FOUND *****		
67	1,2,4-Trimethylbenzene	18.95	0.1 ug/kg	
68	sec-Butylbenzene	19.10	0.1 ug/kg	#
69	1,3-Dichlorobenzene	19.09	0.0 ug/kg	#
70	1,4-Dichlorobenzene	***** NOT FOUND *****		
71	p-Isopropyltoluene	19.57	0.1 ug/kg	#
72	1,2-Dichlorobenzene	***** NOT FOUND *****		
73	n-Butylbenzene	20.21	0.0 ug/kg	#
74	1,2-Dibromo-3-Chloropropane	20.57	0.1 ug/kg	#

END OF REPORT
Qualifiers Not Satisfied

Volatile Organics by EPA Method 8260

File Name	50818608.D
Data Path	C:\HPCHEM\1\DATA\0822\
Operator	CHARLES M. JOHNSON
Date/Time	8/22/95 18:52
Method	8260LLS
Misc Info	50818608 (83715) 0822
Bottle Number	1
Number of Compounds	74

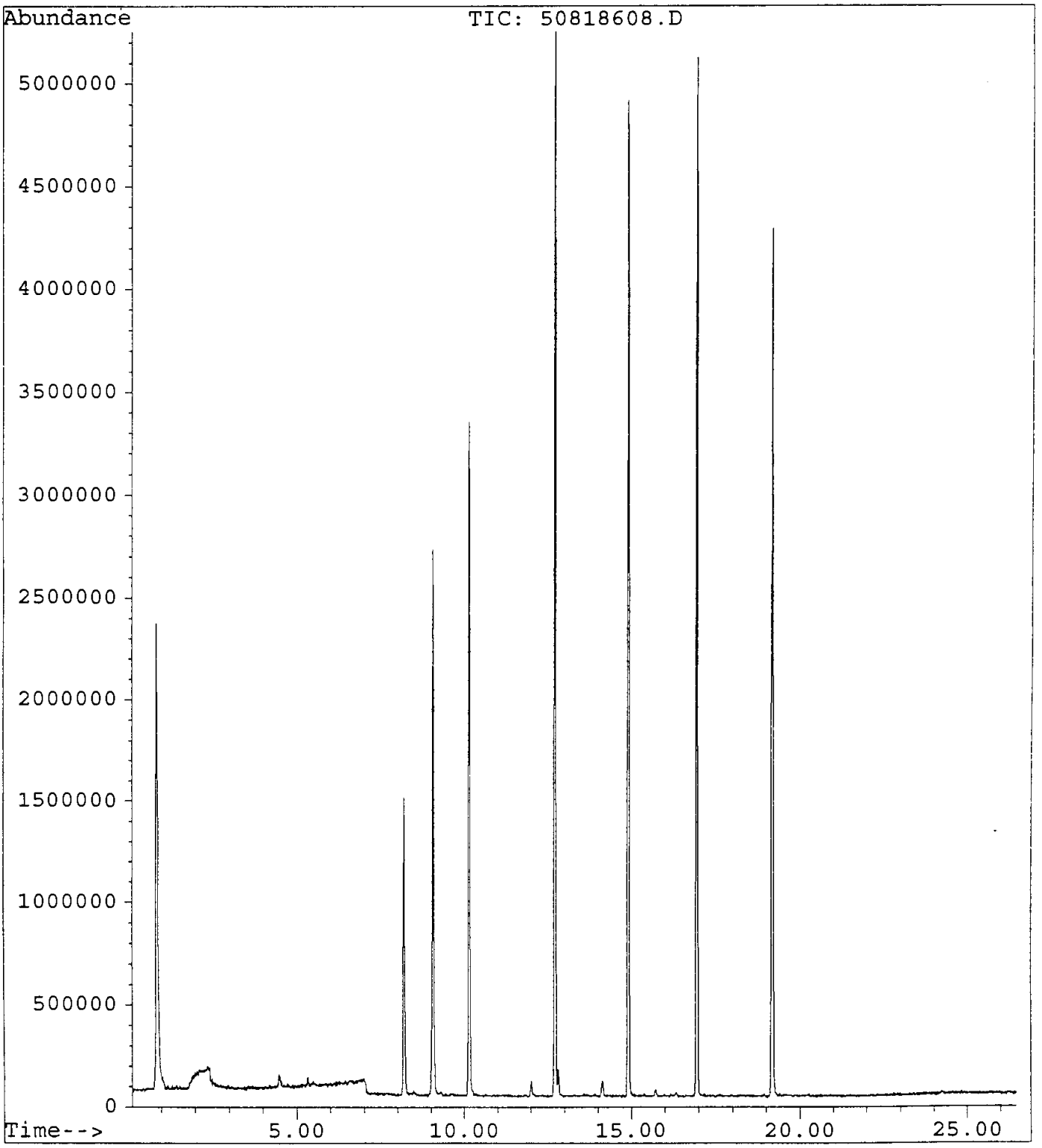
Pk Num	Ret. Time	Signal	Compound Name	Area	Amount	Units	Peak type
1	9.057	168.00	Pentafluorobenzene	29046252	40.00	ug/kg	*ISTD
2	1.168	85.00	Dichlorodifluoromethane	72092	0.56	ug/kg	
3	0.000	50.00	Chloromethane (SPCC)	0	0.00	ug/kg	
4	0.000	62.00	Vinyl Chloride (CCC)	0	0.00	ug/kg	
5	0.000	94.00	Bromomethane	0	0.00	ug/kg	
6	2.978	64.00	Chloroethane	24600	0.55	ug/kg	
7	4.088	101.00	Trichlorofluoromethane	15331	0.04	ug/kg	
8	4.189	56.00	Acrolein	57911	2.50	ug/kg	
9	0.000	61.00	1,1-Dichloroethylene (CCC)	0	0.00	ug/kg	
10	0.000	78.00	Carbon Disulfide	0	0.00	ug/kg	
11	0.000	127.00	Iodomethane	0	0.00	ug/kg	
12	4.478	43.00	Acetone	2200423	22.70	ug/kg	
13	5.318	49.00	Dichloromethane	395097	-10.86	ug/kg	
14	6.415	61.00	trans-1,2-Dichloroethylene	23578	0.07	ug/kg	
15	5.337	53.00	Acrylonitrile	23888	0.37	ug/kg	
16	6.950	63.00	1,1-Dichloroethane (SPCC)	35940	0.08	ug/kg	
17	7.316	86.00	Vinyl Acetate	20497	2.52	ug/kg	
18	0.000	77.00	2,2-Dichloropropane	0	0.00	ug/kg	
19	7.647	61.00	cis-1,2-Dichloroethylene	49216	0.09	ug/kg	
20	0.000	72.00	Methyl Ethyl Ketone	0	0.00	ug/kg	

21	0.000	130.00	Bromochloromethane		0	0.00	ug/kg	
22	0.000	83.00	Chloroform (CCC)		0	0.00	ug/kg	
23	8.989	97.00	1,1,1-Trichloroethane		210696	0.34	ug/kg	
24	8.186	113.00	Dibromofluoromethane (SURR)		13224498	38.59	ug/kg	
25	10.143	114.00	1,4-Difluorobenzene		35903900	40.00	ug/kg	ISTD
26	9.292	75.00	1,1-Dichloropropene		125738	0.28	ug/kg	
27	0.000	117.00	Carbon Tetrachloride		0	0.00	ug/kg	
28	9.604	78.00	Benzene		73489	0.07	ug/kg	
29	0.000	62.00	1,2-Dichloroethane		0	0.00	ug/kg	
30	10.581	130.00	Trichloroethylene		9102	0.02	ug/kg	
31	0.000	63.00	1,2-Dichloropropane (CCC)		0	0.00	ug/kg	
32	0.000	174.00	Dibromomethane		0	0.00	ug/kg	
33	0.000	83.00	Dichlorobromomethane		0	0.00	ug/kg	
34	0.000	63.00	2-Chloroethyl Vinyl Ether		0	0.00	ug/kg	
35	0.000	75.00	trans-1,3-Dichloropropene		0	0.00	ug/kg	
36	12.011	43.00	4-Methyl-2-Pentanone		1151397	1.89	ug/kg	
37	12.716	98.00	Toluene-d8 (SURR)		47869025	44.32	ug/kg	
38	12.820	91.00	Toluene (CCC)		1357280	0.93	ug/kg	
39	0.000	75.00	cis-1,3-Dichloropropene		0	0.00	ug/kg	
40	0.000	99.00	Ethyl Methacrylate		0	0.00	ug/kg	
41	0.000	97.00	1,1,2-Trichloroethane		0	0.00	ug/kg	
42	14.896	54.00	Chlorobenzene-d5		13083997	40.00	ug/kg	ISTD
43	13.878	166.00	Tetrachloroethylene		16115	0.02	ug/kg	
44	0.000	76.00	1,3-Dichloropropane		0	0.00	ug/kg	
45	13.479	43.00	2-Hexanone		8032	0.02	ug/kg	
46	0.000	129.00	Dibromochloromethane		0	0.00	ug/kg	
47	0.000	107.00	1,2-Dibromoethane		0	0.00	ug/kg	
48	14.935	112.00	Chlorobenzene (SPCC)		131509	0.12	ug/kg	

49	0.000	131.00	1,1,1,2-Tetrachloroethane		0	0.00	ug/kg	
50	15.370	91.00	Ethylbenzene (CCC)		72880	0.04	ug/kg	
51	15.705	106.00	m,p-Xylene		179877	0.30	ug/kg	
52	16.330	91.00	o-Xylene		213287	0.13	ug/kg	
53	16.226	104.00	Styrene		28911	0.03	ug/kg	
54	15.634	173.00	Bromoform (SPCC)		28514	0.05	ug/kg	
55	19.182	152.00	1,4-Dichlorobenzene-d4		22035845	40.00	ug/kg	ISTD
56	16.940	105.00	Isopropylbenzene		94142	0.06	ug/kg	
57	16.940	95.00	4-Bromofluorobenzene (SURR)		22440243	43.83	ug/kg	
58	0.000	158.00	Bromobenzene		0	0.00	ug/kg	
59	0.000	83.00	1,1,2,2-Tetrachloroethane (SPCC)		0	0.00	ug/kg	
60	0.000	75.00	1,2,3-Trichloropropane		0	0.00	ug/kg	
61	17.716	91.00	n-Propylbenzene		64129	0.02	ug/kg	
62	0.000	126.00	2-Chlorotoluene		0	0.00	ug/kg	
63	0.000	75.00	1,4-Dichloro-2-Butene		0	0.00	ug/kg	
64	17.716	91.00	4-Chlorotoluene		45616	0.04	ug/kg	
65	18.298	105.00	1,3,5-Trimethylbenzene		70159	0.06	ug/kg	
66	0.000	119.00	tert-Butylbenzene		0	0.00	ug/kg	
67	18.952	120.00	1,2,4-Trimethylbenzene		35987	0.07	ug/kg	
68	19.102	105.00	sec-Butylbenzene		72794	0.06	ug/kg	
69	19.091	146.00	1,3-Dichlorobenzene		14369	0.02	ug/kg	
70	0.000	146.00	1,4-Dichlorobenzene		0	0.00	ug/kg	
71	19.565	119.00	p-Isopropyltoluene		49485	0.05	ug/kg	
72	0.000	146.00	1,2-Dichlorobenzene		0	0.00	ug/kg	
73	20.213	91.00	n-Butylbenzene		28028	0.03	ug/kg	
74	20.570	157.00	1,2-Dibromo-3-Chloropropane		11813	0.07	ug/kg	

001237

File : C:\HPCHEM\1\DATA\0822\50818608.D
Operator : CHARLES M. JOHNSON
Acquired : 22 Aug 95 6:52 pm using AcqMethod 8260LLS
Instrument : 5970 - In
Sample Name: 50818608 (83715)
Misc Info : 50818608 (83715) 0822
Vial Number: 1



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950814-FW-IW-SL0000
Control No.: 83716
Prep Date: 8/22/95
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 29-Aug-95 8:40PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	446	446
Acenaphthylene	<	446	446
Anthracene	<	446	446
Benzo(a)anthracene	<	446	446
Benzo(b)fluoranthene	<	446	446
Benzo(k)fluoranthene	<	446	446
Benzo(g,h,i)perylene	<	446	446
Benzo(a)pyrene	<	446	446
Benzyl alcohol	<	446	446
bis(2-Chloroethoxy)methane	<	446	446
bis(2-Chloroethyl)ether	<	446	446
bis(2-Chloroisopropyl)ether	<	446	446
bis(2-Ethylhexyl)phthalate		530	446
4-Bromophenyl phenyl ether	<	446	446
p-Chloroaniline	<	892	892
4-Chloro-3-methylphenol	<	446	446
2-Chloronaphthalene	<	446	446
2-Chlorophenol	<	446	446
4-Chlorophenylphenyl ether	<	446	446
Chrysene	<	446	446
Dibenz(a,h)anthracene	<	446	446
Dibenzofuran	<	446	446
Di-n-butylphthalate		732	446
1,2-Dichlorobenzene	<	446	446
1,3-Dichlorobenzene	<	446	446
1,4-Dichlorobenzene	<	446	446
2,4-Dichlorophenol	<	446	446
2,6-Dichlorophenol	<	446	446
Diethylphthalate	<	446	446
3,3'-Dimethylbenzidine	<	2297	2297
2,4-Dimethylphenol	<	446	446
Dimethylphthalate	<	446	446

6000

2,4-Dinitrophenol	<	2297	2297
2,4-Dinitrotoluene	<	446	446
2,6-Dinitrotoluene	<	446	446
Di-n-octylphthalate	<	446	446
Fluoranthene		462	446
Fluorene	<	446	446
Hexachlorobenzene	<	446	446
Hexachlorobutadiene	<	446	446
Hexachlorocyclopentadiene	<	446	446
Hexachloroethane	<	446	446
Indeno(1,2,3-cd)pyrene	<	446	446
Isophorone	<	446	446
2-Methyl-4,6-dinitrophenol	<	2297	2297
2-Methylnaphthalene	<	446	446
2-Methylphenol (o-cresol)	<	446	446
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	446	446
Naphthalene	<	446	446
2-Nitroaniline	<	2297	2297
3-Nitroaniline	<	2297	2297
4-Nitroaniline	<	2297	2297
Nitrobenzene	<	446	446
2-Nitrophenol	<	446	446
4-Nitrophenol	<	2297	2297
N-Nitrosodimethylamine	<	446	446
n-Nitrosodi-n-propylamine	<	446	446
Pentachlorophenol	<	2297	2297
Phenanthrene	<	446	446
Phenol	<	446	446
Pyrene	<	446	446
Pyridine	<	446	446
2,3,4,6-Tetrachlorophenol	<	2297	2297
1,2,4-Trichlorobenzene	<	446	446
2,4,5-Trichlorophenol	<	2297	2297
2,4,6-Trichlorophenol	<	446	446

Surrogate Recoveries		Range
2-Fluorophenol	54.9 %	25 - 121
Phenol-d5	63.7 %	24 - 113
Nitrobenzene-d5	60.6 %	23 - 120
2-Fluorobiphenyl	76.1 %	30 - 115
2,4,6-Tribromophenol	66.6 %	19 - 122
4-Terphenyl-d14	70.6 %	18 - 137

Percent Solids 74 %

Approved by: Jerry Hamasatto

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950810-FW-IW-SL0001S
Control No.: 83586
Prep Date: 8/18/95
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: Joseph F. Schultz 25-Aug-95 5:54PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	393	393
Acenaphthylene	<	393	393
Anthracene	<	393	393
Benzo(a)anthracene	<	393	393
Benzo(b)fluoranthene	<	393	393
Benzo(k)fluoranthene	<	393	393
Benzo(g,h,i)perylene	<	393	393
Benzo(a)pyrene	<	393	393
Benzyl alcohol	<	393	393
bis(2-Chloroethoxy)methane	<	393	393
bis(2-Chloroethyl)ether	<	393	393
bis(2-Chloroisopropyl)ether	<	393	393
bis(2-Ethylhexyl)phthalate	<	393	393
4-Bromophenyl phenyl ether	<	393	393
p-Chloroaniline	<	786	786
4-Chloro-3-methylphenol	<	393	393
2-Chloronaphthalene	<	393	393
2-Chlorophenol	<	393	393
4-Chlorophenylphenyl ether	<	393	393
Chrysene	<	393	393
Dibenz(a,h)anthracene	<	393	393
Dibenzofuran	<	393	393
Di-n-butylphthalate		1187	393
1,2-Dichlorobenzene	<	393	393
1,3-Dichlorobenzene	<	393	393
1,4-Dichlorobenzene	<	393	393
2,4-Dichlorophenol	<	393	393
2,6-Dichlorophenol	<	393	393
Diethylphthalate	<	393	393
3,3'-Dimethylbenzidine	<	2024	2024
2,4-Dimethylphenol	<	393	393
Dimethylphthalate	<	393	393

2,4-Dinitrophenol	<	2024	2024
2,4-Dinitrotoluene	<	393	393
2,6-Dinitrotoluene	<	393	393
Di-n-octylphthalate	<	393	393
Fluoranthene	<	393	393
Fluorene	<	393	393
Hexachlorobenzene	<	393	393
Hexachlorobutadiene	<	393	393
Hexachlorocyclopentadiene	<	393	393
Hexachloroethane	<	393	393
Indeno(1,2,3-cd)pyrene	<	393	393
Isophorone	<	393	393
2-Methyl-4,6-dinitrophenol	<	2024	2024
2-Methylnaphthalene	<	393	393
2-Methylphenol (o-cresol)	<	393	393
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	393	393
Naphthalene	<	393	393
2-Nitroaniline	<	2024	2024
3-Nitroaniline	<	2024	2024
4-Nitroaniline	<	2024	2024
Nitrobenzene	<	393	393
2-Nitrophenol	<	393	393
4-Nitrophenol	<	2024	2024
N-Nitrosodimethylamine	<	393	393
n-Nitrosodi-n-propylamine	<	393	393
Pentachlorophenol	<	2024	2024
Phenanthrene	<	393	393
Phenol	<	393	393
Pyrene	<	393	393
Pyridine	<	393	393
2,3,4,6-Tetrachlorophenol	<	2024	2024
1,2,4-Trichlorobenzene	<	393	393
2,4,5-Trichlorophenol	<	2024	2024
2,4,6-Trichlorophenol	<	393	393

Surrogate Recoveries		Range
2-Fluorophenol	84.0 %	25 - 121
Phenol-d5	89.1 %	24 - 113
Nitrobenzene-d5	74.9 %	23 - 120
2-Fluorobiphenyl	82.8 %	30 - 115
2,4,6-Tribromophenol	74.5 %	19 - 122
4-Terphenyl-d14	107.0 %	18 - 137

Percent Solids	84 %

Approved by: Jerry Hamamoto

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0001D
Control No.: 82785
Prep Date: 7/25/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 20-Aug-95 9:59PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	429	429
Acenaphthylene	<	429	429
Anthracene	<	429	429
Benzo(a)anthracene	<	429	429
Benzo(b)fluoranthene	<	429	429
Benzo(k)fluoranthene	<	429	429
Benzo(g,h,i)perylene	<	429	429
Benzo(a)pyrene	<	429	429
Benzyl alcohol	<	429	429
bis(2-Chloroethoxy)methane	<	429	429
bis(2-Chloroethyl)ether	<	429	429
bis(2-Chloroisopropyl)ether	<	429	429
bis(2-Ethylhexyl)phthalate	<	429	429
4-Bromophenyl phenyl ether	<	429	429
p-Chloroaniline	<	857	857
4-Chloro-3-methylphenol	<	429	429
2-Chloronaphthalene	<	429	429
2-Chlorophenol	<	429	429
4-Chlorophenylphenyl ether	<	429	429
Chrysene	<	429	429
Dibenz(a,h)anthracene	<	429	429
Dibenzofuran	<	429	429
Di-n-butylphthalate		3614	429
1,2-Dichlorobenzene	<	429	429
1,3-Dichlorobenzene	<	429	429
1,4-Dichlorobenzene	<	429	429
2,4-Dichlorophenol	<	429	429
2,6-Dichlorophenol	<	429	429
Diethylphthalate	<	429	429
3,3'-Dimethylbenzidine	<	2208	2208
2,4-Dimethylphenol	<	429	429
Dimethylphthalate	<	429	429

2,4-Dinitrophenol	<	2208	2208
2,4-Dinitrotoluene	<	429	429
2,6-Dinitrotoluene	<	429	429
Di-n-octylphthalate	<	429	429
Fluoranthene	<	429	429
Fluorene	<	429	429
Hexachlorobenzene	<	429	429
Hexachlorobutadiene	<	429	429
Hexachlorocyclopentadiene	<	429	429
Hexachloroethane	<	429	429
Indeno(1,2,3-cd)pyrene	<	429	429
Isophorone	<	429	429
2-Methyl-4,6-dinitrophenol	<	2208	2208
2-Methylnaphthalene	<	429	429
2-Methylphenol (o-cresol)	<	429	429
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	429	429
Naphthalene	<	429	429
2-Nitroaniline	<	2208	2208
3-Nitroaniline	<	2208	2208
4-Nitroaniline	<	2208	2208
Nitrobenzene	<	429	429
2-Nitrophenol	<	429	429
4-Nitrophenol	<	2208	2208
N-Nitrosodimethylamine	<	429	429
n-Nitrosodi-n-propylamine	<	429	429
Pentachlorophenol	<	2208	2208
Phenanthrene	<	429	429
Phenol	<	429	429
Pyrene	<	429	429
Pyridine	<	429	429
2,3,4,6-Tetrachlorophenol	<	2208	2208
1,2,4-Trichlorobenzene	<	429	429
2,4,5-Trichlorophenol	<	2208	2208
2,4,6-Trichlorophenol	<	429	429

Surrogate Recoveries		Range
2-Fluorophenol	81.5 %	25 - 121
Phenol-d5	78.7 %	24 - 113
Nitrobenzene-d5	84.1 %	23 - 120
2-Fluorobiphenyl	83.6 %	30 - 115
2,4,6-Tribromophenol	55.4 %	19 - 122
4-Terphenyl-d14	85.2 %	18 - 137

Percent Solids	77 %

Approved by: Jay Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950728-FW-IW-SL0002
Control No.: 83058
Prep Date: 8/11/95
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 31-Aug-95 3:00PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene		11523	4024
Acenaphthylene	<	4024	4024
Anthracene		7585	4024
Benzo(a)anthracene		8198	4024
Benzo(b)fluoranthene		10367	4024
Benzo(k)fluoranthene		11887	4024
Benzo(g,h,i)perylene	<	4024	4024
Benzo(a)pyrene		6374	4024
Benzyl alcohol	<	4024	4024
bis(2-Chloroethoxy)methane	<	4024	4024
bis(2-Chloroethyl)ether	<	4024	4024
bis(2-Chloroisopropyl)ether	<	4024	4024
bis(2-Ethylhexyl)phthalate	<	4024	4024
4-Bromophenyl phenyl ether	<	4024	4024
p-Chloroaniline	<	8049	8049
4-Chloro-3-methylphenol	<	4024	4024
2-Chloronaphthalene	<	4024	4024
2-Chlorophenol	<	4024	4024
4-Chlorophenylphenyl ether	<	4024	4024
Chrysene		7074	4024
Dibenz(a,h)anthracene	<	4024	4024
Dibenzofuran		9976	4024
Di-n-butylphthalate	<	4024	4024
1,2-Dichlorobenzene	<	4024	4024
1,3-Dichlorobenzene	<	4024	4024
1,4-Dichlorobenzene	<	4024	4024
2,4-Dichlorophenol	<	4024	4024
2,6-Dichlorophenol	<	4024	4024
Diethylphthalate	<	4024	4024
3,3'-Dimethylbenzidine	<	20732	20732
2,4-Dimethylphenol	<	4024	4024
Dimethylphthalate	<	4024	4024

f-2

2,4-Dinitrophenol	<	20732	20732
2,4-Dinitrotoluene	<	4024	4024
2,6-Dinitrotoluene	<	4024	4024
Di-n-octylphthalate	<	4024	4024
Fluoranthene		21000	4024
Fluorene		15428	4024
Hexachlorobenzene	<	4024	4024
Hexachlorobutadiene	<	4024	4024
Hexachlorocyclopentadiene	<	4024	4024
Hexachloroethane	<	4024	4024
Indeno(1,2,3-cd)pyrene	<	4024	4024
Isophorone	<	4024	4024
2-Methyl-4,6-dinitrophenol	<	20732	20732
2-Methylnaphthalene		14154	4024
2-Methylphenol (o-cresol)	<	4024	4024
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	4024	4024
Naphthalene		69737	4024
2-Nitroaniline	<	20732	20732
3-Nitroaniline	<	20732	20732
4-Nitroaniline	<	20732	20732
Nitrobenzene	<	4024	4024
2-Nitrophenol	<	4024	4024
4-Nitrophenol	<	20732	20732
N-Nitrosodimethylamine	<	4024	4024
n-Nitrosodi-n-propylamine	<	4024	4024
Pentachlorophenol	<	20732	20732
Phenanthrene		34284	4024
Phenol	<	4024	4024
Pyrene		17189	4024
Pyridine	<	4024	4024
2,3,4,6-Tetrachlorophenol	<	20732	20732
1,2,4-Trichlorobenzene	<	4024	4024
2,4,5-Trichlorophenol	<	20732	20732
2,4,6-Trichlorophenol	<	4024	4024

Surrogate Recoveries		Range
2-Fluorophenol	82.9 %	25 - 121
Phenol-d5	80.8 %	24 - 113
Nitrobenzene-d5	73.4 %	23 - 120
2-Fluorobiphenyl	94.6 %	30 - 115
2,4,6-Tribromophenol	61.5 %	19 - 122
4-Terphenyl-d14	103.1 %	18 - 137

Percent Solids 82 %

Approved by: [signature]

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950728-FW-IW-SL0003
Control No.: 83056
Prep Date: 8/11/95
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 31-Aug-95 2:07PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	3750	3750
Acenaphthylene	<	3750	3750
Anthracene		4982	3750
Benzo(a)anthracene		7601	3750
Benzo(b)fluoranthene		10569	3750
Benzo(k)fluoranthene		12358	3750
Benzo(g,h,i)perylene	<	3750	3750
Benzo(a)pyrene		6506	3750
Benzyl alcohol	<	3750	3750
bis(2-Chloroethoxy)methane	<	3750	3750
bis(2-Chloroethyl)ether	<	3750	3750
bis(2-Chloroisopropyl)ether	<	3750	3750
bis(2-Ethylhexyl)phthalate	<	3750	3750
4-Bromophenyl phenyl ether	<	3750	3750
p-Chloroaniline	<	7500	7500
4-Chloro-3-methylphenol	<	3750	3750
2-Chloronaphthalene	<	3750	3750
2-Chlorophenol	<	3750	3750
4-Chlorophenylphenyl ether	<	3750	3750
Chrysene		6944	3750
Dibenz(a,h)anthracene	<	3750	3750
Dibenzofuran		5060	3750
Di-n-butylphthalate	<	3750	3750
1,2-Dichlorobenzene	<	3750	3750
1,3-Dichlorobenzene	<	3750	3750
1,4-Dichlorobenzene	<	3750	3750
2,4-Dichlorophenol	<	3750	3750
2,6-Dichlorophenol	<	3750	3750
Diethylphthalate	<	3750	3750
3,3'-Dimethylbenzidine	<	19318	19318
2,4-Dimethylphenol	<	3750	3750
Dimethylphthalate	<	3750	3750

2,4-Dinitrophenol	<	19318	19318
2,4-Dinitrotoluene	<	3750	3750
2,6-Dinitrotoluene	<	3750	3750
Di-n-octylphthalate	<	3750	3750
Fluoranthene		16651	3750
Fluorene		7700	3750
Hexachlorobenzene	<	3750	3750
Hexachlorobutadiene	<	3750	3750
Hexachlorocyclopentadiene	<	3750	3750
Hexachloroethane	<	3750	3750
Indeno(1,2,3-cd)pyrene	<	3750	3750
Isophorone	<	3750	3750
2-Methyl-4,6-dinitrophenol	<	19318	19318
2-Methylnaphthalene	<	3750	3750
2-Methylphenol (o-cresol)	<	3750	3750
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	3750	3750
Naphthalene		20777	3750
2-Nitroaniline	<	19318	19318
3-Nitroaniline	<	19318	19318
4-Nitroaniline	<	19318	19318
Nitrobenzene	<	3750	3750
2-Nitrophenol	<	3750	3750
4-Nitrophenol	<	19318	19318
N-Nitrosodimethylamine	<	3750	3750
n-Nitrosodi-n-propylamine	<	3750	3750
N-Nitrosodiphenylamine	<	3750	3750
Pentachlorophenol	<	19318	19318
Phenanthrene		21253	3750
Phenol	<	3750	3750
Pyrene		15142	3750
Pyridine	<	3750	3750
2,3,4,6-Tetrachlorophenol	<	19318	19318
1,2,4-Trichlorobenzene	<	3750	3750
2,4,5-Trichlorophenol	<	19318	19318
2,4,6-Trichlorophenol	<	3750	3750

Surrogate Recoveries		Range
2-Fluorophenol	95.5 %	25 - 121
Phenol-d5	89.1 %	24 - 113
Nitrobenzene-d5	82.1 %	23 - 120
2-Fluorobiphenyl	104.2 %	30 - 115
2,4,6-Tribromophenol	48.3 %	19 - 122
4-Terphenyl-d14	128.5 %	18 - 137

Percent Solids 88 %

Approved by: [signature]

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950728-FW-IW-SL0004
Control No.: 83054
Prep Date: 8/11/95
Sample Date: 7/28/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 25-Aug-95 9:27PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	516	516
Acenaphthylene	<	516	516
Anthracene	<	516	516
Benzo(a)anthracene	<	516	516
Benzo(b)fluoranthene	<	516	516
Benzo(k)fluoranthene	<	516	516
Benzo(g,h,i)perylene	<	516	516
Benzo(a)pyrene	<	516	516
Benzyl alcohol	<	516	516
bis(2-Chloroethoxy)methane	<	516	516
bis(2-Chloroethyl)ether	<	516	516
bis(2-Chloroisopropyl)ether	<	516	516
bis(2-Ethylhexyl)phthalate	<	516	516
4-Bromophenyl phenyl ether	<	516	516
p-Chloroaniline	<	1031	1031
4-Chloro-3-methylphenol	<	516	516
2-Chloronaphthalene	<	516	516
2-Chlorophenol	<	516	516
4-Chlorophenylphenyl ether	<	516	516
Chrysene	<	516	516
Dibenz(a,h)anthracene	<	516	516
Dibenzofuran	<	516	516
Di-n-butylphthalate		6706	516
1,2-Dichlorobenzene	<	516	516
1,3-Dichlorobenzene	<	516	516
1,4-Dichlorobenzene	<	516	516
2,4-Dichlorophenol	<	516	516
2,6-Dichlorophenol	<	516	516
Diethylphthalate	<	516	516
3,3'-Dimethylbenzidine	<	2656	2656
2,4-Dimethylphenol	<	516	516
Dimethylphthalate	<	516	516

2,4-Dinitrophenol	<	2656	2656
2,4-Dinitrotoluene	<	516	516
2,6-Dinitrotoluene	<	516	516
Di-n-octylphthalate	<	516	516
Fluoranthene	<	516	516
Fluorene	<	516	516
Hexachlorobenzene	<	516	516
Hexachlorobutadiene	<	516	516
Hexachlorocyclopentadiene	<	516	516
Hexachloroethane	<	516	516
Indeno(1,2,3-cd)pyrene	<	516	516
Isophorone	<	516	516
2-Methyl-4,6-dinitrophenol	<	2656	2656
2-Methylnaphthalene	<	516	516
2-Methylphenol (o-cresol)	<	516	516
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	516	516
Naphthalene	<	516	516
2-Nitroaniline	<	2656	2656
3-Nitroaniline	<	2656	2656
4-Nitroaniline	<	2656	2656
Nitrobenzene	<	516	516
2-Nitrophenol	<	516	516
4-Nitrophenol	<	2656	2656
N-Nitrosodimethylamine	<	516	516
n-Nitrosodi-n-propylamine	<	516	516
Pentachlorophenol	<	2656	2656
Phenanthrene	<	516	516
Phenol	<	516	516
Pyrene	<	516	516
Pyridine	<	516	516
2,3,4,6-Tetrachlorophenol	<	2656	2656
1,2,4-Trichlorobenzene	<	516	516
2,4,5-Trichlorophenol	<	2656	2656
2,4,6-Trichlorophenol	<	516	516

Surrogate Recoveries		Range
2-Fluorophenol	71.2 %	25 - 121
Phenol-d5	72.1 %	24 - 113
Nitrobenzene-d5	64.8 %	23 - 120
2-Fluorobiphenyl	72.5 %	30 - 115
2,4,6-Tribromophenol	58.6 %	19 - 122
4-Terphenyl-d14	112.4 %	18 - 137

Percent Solids	64 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0005
Control No.: 82634
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: LeeAnn Wallace 15-Aug-95 1:14PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	500	500
Acenaphthylene	<	500	500
Anthracene	<	500	500
Benzo(a)anthracene	<	500	500
Benzo(b)fluoranthene	<	500	500
Benzo(k)fluoranthene	<	500	500
Benzo(g,h,i)perylene	<	500	500
Benzo(a)pyrene	<	500	500
Benzyl alcohol	<	500	500
bis(2-Chloroethoxy)methane	<	500	500
bis(2-Chloroethyl)ether	<	500	500
bis(2-Chloroisopropyl)ether	<	500	500
bis(2-Ethylhexyl)phthalate	<	500	500
4-Bromophenyl phenyl ether	<	500	500
p-Chloroaniline	<	1000	1000
4-Chloro-3-methylphenol	<	500	500
2-Chloronaphthalene	<	500	500
2-Chlorophenol	<	500	500
4-Chlorophenylphenyl ether	<	500	500
Chrysene	<	500	500
Dibenz(a,h)anthracene	<	500	500
Dibenzofuran	<	500	500
Di-n-butylphthalate		6662	500
1,2-Dichlorobenzene	<	500	500
1,3-Dichlorobenzene	<	500	500
1,4-Dichlorobenzene	<	500	500
2,4-Dichlorophenol	<	500	500
2,6-Dichlorophenol	<	500	500
Diethylphthalate	<	500	500
3,3'-Dimethylbenzidine	<	2576	2576
2,4-Dimethylphenol	<	500	500
Dimethylphthalate	<	500	500
2,4-Dinitrophenol	<	2576	2576

2,4-Dinitrotoluene	<	500	500
2,6-Dinitrotoluene	<	500	500
Di-n-octylphthalate	<	500	500
Fluoranthene	<	500	500
Fluorene	<	500	500
Hexachlorobenzene	<	500	500
Hexachlorobutadiene	<	500	500
Hexachlorocyclopentadiene	<	500	500
Hexachloroethane	<	500	500
Indeno(1,2,3-cd)pyrene	<	500	500
Isophorone	<	500	500
2-Methyl-4,6-dinitrophenol	<	2576	2576
2-Methylnaphthalene	<	500	500
2-Methylphenol (o-cresol)	<	500	500
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	500	500
Naphthalene	<	500	500
2-Nitroaniline	<	2576	2576
3-Nitroaniline	<	2576	2576
4-Nitroaniline	<	2576	2576
Nitrobenzene	<	500	500
2-Nitrophenol	<	500	500
4-Nitrophenol	<	2576	2576
N-Nitrosodimethylamine	<	500	500
n-Nitrosodi-n-propylamine	<	500	500
Pentachlorophenol	<	2576	2576
Phenanthrene	<	500	500
Phenol	<	500	500
Pyrene	<	500	500
Pyridine	<	500	500
2,3,4,6-Tetrachlorophenol	<	2576	2576
1,2,4-Trichlorobenzene	<	500	500
2,4,5-Trichlorophenol	<	2576	2576
2,4,6-Trichlorophenol	<	500	500

Surrogate Recoveries		Range
2-Fluorophenol	64.0 %	25 - 121
Phenol-d5	71.6 %	24 - 113
Nitrobenzene-d5	65.7 %	23 - 120
2-Fluorobiphenyl	71.5 %	30 - 115
2,4,6-Tribromophenol	82.9 %	19 - 122
4-Terphenyl-d14	83.0 %	18 - 137

Percent Solids	66 %

Approved by: Jerry Hamilton

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950713-FW-IW-SL0006S
Control No.: 82519
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 2:11PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	485	485
Acenaphthylene	<	485	485
Anthracene	<	485	485
Benzo(a)anthracene	<	485	485
Benzo(b)fluoranthene	<	485	485
Benzo(k)fluoranthene	<	485	485
Benzo(g,h,i)perylene	<	485	485
Benzo(a)pyrene	<	485	485
Benzyl alcohol	<	485	485
bis(2-Chloroethoxy)methane	<	485	485
bis(2-Chloroethyl)ether	<	485	485
bis(2-Chloroisopropyl)ether	<	485	485
bis(2-Ethylhexyl)phthalate	<	485	485
4-Bromophenyl phenyl ether	<	485	485
p-Chloroaniline	<	971	971
4-Chloro-3-methylphenol	<	485	485
2-Chloronaphthalene	<	485	485
2-Chlorophenol	<	485	485
4-Chlorophenylphenyl ether	<	485	485
Chrysene	<	485	485
Dibenz(a,h)anthracene	<	485	485
Dibenzofuran	<	485	485
Di-n-butylphthalate	<	485	485
1,2-Dichlorobenzene	<	485	485
1,3-Dichlorobenzene	<	485	485
1,4-Dichlorobenzene	<	485	485
2,4-Dichlorophenol	<	485	485
2,6-Dichlorophenol	<	485	485
Diethylphthalate	<	485	485
3,3'-Dimethylbenzidine	<	2500	2500
2,4-Dimethylphenol	<	485	485
Dimethylphthalate	<	485	485

2,4-Dinitrophenol	<	2500	2500
2,4-Dinitrotoluene	<	485	485
2,6-Dinitrotoluene	<	485	485
Di-n-octylphthalate	<	485	485
Fluoranthene	<	485	485
Fluorene	<	485	485
Hexachlorobenzene	<	485	485
Hexachlorobutadiene	<	485	485
Hexachlorocyclopentadiene	<	485	485
Hexachloroethane	<	485	485
Indeno(1,2,3-cd)pyrene	<	485	485
Isophorone	<	485	485
2-Methyl-4,6-dinitrophenol	<	2500	2500
2-Methylnaphthalene	<	485	485
2-Methylphenol (o-cresol)	<	485	485
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	485	485
Naphthalene	<	485	485
2-Nitroaniline	<	2500	2500
3-Nitroaniline	<	2500	2500
4-Nitroaniline	<	2500	2500
Nitrobenzene	<	485	485
2-Nitrophenol	<	485	485
4-Nitrophenol	<	2500	2500
N-Nitrosodimethylamine	<	485	485
n-Nitrosodi-n-propylamine	<	485	485
Pentachlorophenol	<	2500	2500
Phenanthrene	<	485	485
Phenol	<	485	485
Pyrene	<	485	485
Pyridine	<	485	485
2,3,4,6-Tetrachlorophenol	<	2500	2500
1,2,4-Trichlorobenzene	<	485	485
2,4,5-Trichlorophenol	<	2500	2500
2,4,6-Trichlorophenol	<	485	485

Surrogate Recoveries		Range
2-Fluorophenol	88.1 %	25 - 121
Phenol-d5	80.3 %	24 - 113
Nitrobenzene-d5	76.8 %	23 - 120
2-Fluorobiphenyl	82.0 %	30 - 115
2,4,6-Tribromophenol	88.2 %	19 - 122
4-Terphenyl-d14	92.7 %	18 - 137

Percent Solids	68 %

Approved by: _____

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
8320 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950714-FW-IW-SL0006D
Control No.: 82573
Prep Date: 7/18/95
Sample Date: 7/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 10:47AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	371	371
Acenaphthylene	<	371	371
Anthracene	<	371	371
Benzo(a)anthracene	<	371	371
Benzo(b)fluoranthene	<	371	371
Benzo(k)fluoranthene	<	371	371
Benzo(g,h,i)perylene	<	371	371
Benzo(a)pyrene	<	371	371
Benzyl alcohol	<	371	371
bis(2-Chloroethoxy)methane	<	371	371
bis(2-Chloroethyl)ether	<	371	371
bis(2-Chloroisopropyl)ether	<	371	371
bis(2-Ethylhexyl)phthalate	<	371	371
4-Bromophenyl phenyl ether	<	371	371
p-Chloroaniline	<	742	742
4-Chloro-3-methylphenol	<	371	371
2-Chloronaphthalene	<	371	371
2-Chlorophenol	<	371	371
4-Chlorophenylphenyl ether	<	371	371
Chrysene	<	371	371
Dibenz(a,h)anthracene	<	371	371
Dibenzofuran	<	371	371
Di-n-butylphthalate	<	371	371
1,2-Dichlorobenzene	<	371	371
1,3-Dichlorobenzene	<	371	371
1,4-Dichlorobenzene	<	371	371
2,4-Dichlorophenol	<	371	371
2,6-Dichlorophenol	<	371	371
Diethylphthalate	<	371	371
3,3'-Dimethylbenzidine	<	1910	1910
2,4-Dimethylphenol	<	371	371
Dimethylphthalate	<	371	371

2,4-Dinitrophenol	<	1910	1910
2,4-Dinitrotoluene	<	371	371
2,6-Dinitrotoluene	<	371	371
Di-n-octylphthalate	<	371	371
Fluoranthene	<	371	371
Fluorene	<	371	371
Hexachlorobenzene	<	371	371
Hexachlorobutadiene	<	371	371
Hexachlorocyclopentadiene	<	371	371
Hexachloroethane	<	371	371
Indeno(1,2,3-cd)pyrene	<	371	371
Isophorone	<	371	371
2-Methyl-4,6-dinitrophenol	<	1910	1910
2-Methylnaphthalene	<	371	371
2-Methylphenol (o-cresol)	<	371	371
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	371	371
Naphthalene	<	371	371
2-Nitroaniline	<	1910	1910
3-Nitroaniline	<	1910	1910
4-Nitroaniline	<	1910	1910
Nitrobenzene	<	371	371
2-Nitrophenol	<	371	371
4-Nitrophenol	<	1910	1910
N-Nitrosodimethylamine	<	371	371
n-Nitrosodi-n-propylamine	<	371	371
Pentachlorophenol	<	1910	1910
Phenanthrene	<	371	371
Phenol	<	371	371
Pyrene	<	371	371
Pyridine	<	371	371
2,3,4,6-Tetrachlorophenol	<	1910	1910
1,2,4-Trichlorobenzene	<	371	371
2,4,5-Trichlorophenol	<	1910	1910
2,4,6-Trichlorophenol	<	371	371

Surrogate Recoveries		Range
2-Fluorophenol	68.4 %	25 - 121
Phenol-d5	72.7 %	24 - 113
Nitrobenzene-d5	72.2 %	23 - 120
2-Fluorobiphenyl	75.1 %	30 - 115
2,4,6-Tribromophenol	86.5 %	19 - 122
4-Terphenyl-d14	82.2 %	18 - 137

Percent Solids	89 %

Approved by: _____

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Attn: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0007
Control No.: 82636
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 4:30PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	550	550
Acenaphthylene	<	550	550
Anthracene	<	550	550
Benzo(a)anthracene		908	550
Benzo(b)fluoranthene		1432	550
Benzo(k)fluoranthene	<	550	550
Benzo(g,h,i)perylene	<	550	550
Benzo(a)pyrene		820	550
Benzyl alcohol	<	550	550
bis(2-Chloroethoxy)methane	<	550	550
bis(2-Chloroethyl)ether	<	550	550
bis(2-Chloroisopropyl)ether	<	550	550
bis(2-Ethylhexyl)phthalate	<	550	550
4-Bromophenyl phenyl ether	<	550	550
p-Chloroaniline	<	1100	1100
4-Chloro-3-methylphenol	<	550	550
2-Chloronaphthalene	<	550	550
2-Chlorophenol	<	550	550
4-Chlorophenylphenyl ether	<	550	550
Chrysene		870	550
Dibenz(a,h)anthracene	<	550	550
Dibenzofuran	<	550	550
Di-n-butylphthalate		1433	550
1,2-Dichlorobenzene	<	550	550
1,3-Dichlorobenzene	<	550	550
1,4-Dichlorobenzene	<	550	550
2,4-Dichlorophenol	<	550	550
2,6-Dichlorophenol	<	550	550
Diethylphthalate	<	550	550
3,3'-Dimethylbenzidine	<	2833	2833
2,4-Dimethylphenol	<	550	550
Dimethylphthalate	<	550	550
2,4-Dinitrophenol	<	2833	2833

2,4-Dinitrotoluene	<	550	550
2,6-Dinitrotoluene	<	550	550
Di-n-octylphthalate	<	550	550
Fluoranthene		1650	550
Fluorene	<	550	550
Hexachlorobenzene	<	550	550
Hexachlorobutadiene	<	550	550
Hexachlorocyclopentadiene	<	550	550
Hexachloroethane	<	550	550
Indeno(1,2,3-cd)pyrene	<	550	550
Isophorone	<	550	550
2-Methyl-4,6-dinitrophenol	<	2833	2833
2-Methylnaphthalene	<	550	550
2-Methylphenol (o-cresol)	<	550	550
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	550	550
Naphthalene		652	550
2-Nitroaniline	<	2833	2833
3-Nitroaniline	<	2833	2833
4-Nitroaniline	<	2833	2833
Nitrobenzene	<	550	550
2-Nitrophenol	<	550	550
4-Nitrophenol	<	2833	2833
N-Nitrosodimethylamine	<	550	550
n-Nitrosodi-n-propylamine	<	550	550
Pentachlorophenol	<	2833	2833
Phenanthrene		1097	550
Phenol	<	550	550
Pyrene		1315	550
Pyridine	<	550	550
2,3,4,6-Tetrachlorophenol	<	2833	2833
1,2,4-Trichlorobenzene	<	550	550
2,4,5-Trichlorophenol	<	2833	2833
2,4,6-Trichlorophenol	<	550	550

Surrogate Recoveries		Range
2-Fluorophenol	26.9 %	25 - 121
Phenol-d5	34.6 %	24 - 113
Nitrobenzene-d5	29.8 %	23 - 120
2-Fluorobiphenyl	37.0 %	30 - 115
2,4,6-Tribromophenol	47.8 %	19 - 122
4-Terphenyl-d14	44.9 %	18 - 137

Percent Solids 60 %

Approved by: Jerry Hencsette

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0008
Control No.: 82781
Prep Date: 7/25/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 23-Aug-95 6:44PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	825	825
Acenaphthylene	<	825	825
Anthracene	<	825	825
Benzo(a)anthracene		2371	825
Benzo(b)fluoranthene		4063	825
Benzo(k)fluoranthene		1813	825
Benzo(g,h,i)perylene	<	825	825
Benzo(a)pyrene		2399	825
Benzyl alcohol	<	825	825
bis(2-Chloroethoxy)methane	<	825	825
bis(2-Chloroethyl)ether	<	825	825
bis(2-Chloroisopropyl)ether	<	825	825
bis(2-Ethylhexyl)phthalate	<	825	825
4-Bromophenyl phenyl ether	<	825	825
p-Chloroaniline	<	1650	1650
4-Chloro-3-methylphenol	<	825	825
2-Chloronaphthalene	<	825	825
2-Chlorophenol	<	825	825
4-Chlorophenylphenyl ether	<	825	825
Chrysene		1891	825
Dibenz(a,h)anthracene	<	825	825
Dibenzofuran	<	825	825
Di-n-butylphthalate	<	825	825
1,2-Dichlorobenzene	<	825	825
1,3-Dichlorobenzene	<	825	825
1,4-Dichlorobenzene	<	825	825
2,4-Dichlorophenol	<	825	825
2,6-Dichlorophenol	<	825	825
Diethylphthalate	<	825	825
3,3'-Dimethylbenzidine	<	4250	4250
2,4-Dimethylphenol	<	825	825
Dimethylphthalate	<	825	825

2,4-Dinitrophenol	<	4250	4250
2,4-Dinitrotoluene	<	825	825
2,6-Dinitrotoluene	<	825	825
Di-n-octylphthalate	<	825	825
Fluoranthene		3293	825
Fluorene	<	825	825
Hexachlorobenzene	<	825	825
Hexachlorobutadiene	<	825	825
Hexachlorocyclopentadiene	<	825	825
Hexachloroethane	<	825	825
Indeno(1,2,3-cd)pyrene		1275	825
Isophorone	<	825	825
2-Methyl-4,6-dinitrophenol	<	4250	4250
2-Methylnaphthalene	<	825	825
2-Methylphenol (o-cresol)	<	825	825
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	825	825
Naphthalene		1865	825
2-Nitroaniline	<	4250	4250
3-Nitroaniline	<	4250	4250
4-Nitroaniline	<	4250	4250
Nitrobenzene	<	825	825
2-Nitrophenol	<	825	825
4-Nitrophenol	<	4250	4250
N-Nitrosodimethylamine	<	825	825
n-Nitrosodi-n-propylamine	<	825	825
Pentachlorophenol	<	4250	4250
Phenanthrene		2214	825
Phenol	<	825	825
Pyrene		3050	825
Pyridine	<	825	825
2,3,4,6-Tetrachlorophenol	<	4250	4250
1,2,4-Trichlorobenzene	<	825	825
2,4,5-Trichlorophenol	<	4250	4250
2,4,6-Trichlorophenol	<	825	825

Surrogate Recoveries		Range
2-Fluorophenol	65.8 %	25 - 121
Phenol-d5	85.4 %	24 - 113
Nitrobenzene-d5	88.2 %	23 - 120
2-Fluorobiphenyl	98.9 %	30 - 115
2,4,6-Tribromophenol	76.5 %	19 - 122
4-Terphenyl-d14	94.6 %	18 - 137

Percent Solids 80 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950719-FW-IW-SL0009
Control No.: 82689
Prep Date: 7/24/95
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 21-Aug-95 1:13AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	413	413
Acenaphthylene	<	413	413
Anthracene	<	413	413
Benzo(a)anthracene	<	413	413
Benzo(b)fluoranthene	<	413	413
Benzo(k)fluoranthene	<	413	413
Benzo(g,h,i)perylene	<	413	413
Benzo(a)pyrene	<	413	413
Benzyl alcohol	<	413	413
bis(2-Chloroethoxy)methane	<	413	413
bis(2-Chloroethyl)ether	<	413	413
bis(2-Chloroisopropyl)ether	<	413	413
bis(2-Ethylhexyl)phthalate	<	413	413
4-Bromophenyl phenyl ether	<	413	413
p-Chloroaniline	<	825	825
4-Chloro-3-methylphenol	<	413	413
2-Chloronaphthalene	<	413	413
2-Chlorophenol	<	413	413
4-Chlorophenylphenyl ether	<	413	413
Chrysene	<	413	413
Dibenz(a,h)anthracene	<	413	413
Dibenzofuran	<	413	413
Di-n-butylphthalate	<	413	413
1,2-Dichlorobenzene	<	413	413
1,3-Dichlorobenzene	<	413	413
1,4-Dichlorobenzene	<	413	413
2,4-Dichlorophenol	<	413	413
2,6-Dichlorophenol	<	413	413
Diethylphthalate	<	413	413
3,3'-Dimethylbenzidine	<	2125	2125
2,4-Dimethylphenol	<	413	413
Dimethylphthalate	<	413	413

2,4-Dinitrophenol	<	2125	2125
2,4-Dinitrotoluene	<	413	413
2,6-Dinitrotoluene	<	413	413
Di-n-octylphthalate	<	413	413
Fluoranthene	<	413	413
Fluorene	<	413	413
Hexachlorobenzene	<	413	413
Hexachlorobutadiene	<	413	413
Hexachlorocyclopentadiene	<	413	413
Hexachloroethane	<	413	413
Indeno(1,2,3-cd)pyrene	<	413	413
Isophorone	<	413	413
2-Methyl-4,6-dinitrophenol	<	2125	2125
2-Methylnaphthalene	<	413	413
2-Methylphenol (o-cresol)	<	413	413
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	413	413
Naphthalene	<	413	413
2-Nitroaniline	<	2125	2125
3-Nitroaniline	<	2125	2125
4-Nitroaniline	<	2125	2125
Nitrobenzene	<	413	413
2-Nitrophenol	<	413	413
4-Nitrophenol	<	2125	2125
N-Nitrosodimethylamine	<	413	413
n-Nitrosodi-n-propylamine	<	413	413
Pentachlorophenol	<	2125	2125
Phenanthrene	<	413	413
Phenol	<	413	413
Pyrene	<	413	413
Pyridine	<	413	413
2,3,4,6-Tetrachlorophenol	<	2125	2125
1,2,4-Trichlorobenzene	<	413	413
2,4,5-Trichlorophenol	<	2125	2125
2,4,6-Trichlorophenol	<	413	413

Surrogate Recoveries		Range
2-Fluorophenol	60.6 %	25 - 121
Phenol-d5	65.5 %	24 - 113
Nitrobenzene-d5	68.3 %	23 - 120
2-Fluorobiphenyl	75.5 %	30 - 115
2,4,6-Tribromophenol	65.0 %	19 - 122
4-Terphenyl-d14	82.5 %	18 - 137

Percent Solids	80 %

Approved by: Jerry Hamsatte

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0010
Control No.: 82796
Prep Date: 8/3/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 21-Aug-95 12:24AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	367	367
Acenaphthylene	<	367	367
Anthracene	<	367	367
Benzo(a)anthracene	<	367	367
Benzo(b)fluoranthene	<	367	367
Benzo(k)fluoranthene	<	367	367
Benzo(g,h,i)perylene	<	367	367
Benzo(a)pyrene	<	367	367
Benzyl alcohol	<	367	367
bis(2-Chloroethoxy)methane	<	367	367
bis(2-Chloroethyl)ether	<	367	367
bis(2-Chloroisopropyl)ether	<	367	367
bis(2-Ethylhexyl)phthalate	<	367	367
4-Bromophenyl phenyl ether	<	367	367
p-Chloroaniline	<	733	733
4-Chloro-3-methylphenol	<	367	367
2-Chloronaphthalene	<	367	367
2-Chlorophenol	<	367	367
4-Chlorophenylphenyl ether	<	367	367
Chrysene	<	367	367
Dibenz(a,h)anthracene	<	367	367
Dibenzofuran	<	367	367
Di-n-butylphthalate		3469	367
1,2-Dichlorobenzene	<	367	367
1,3-Dichlorobenzene	<	367	367
1,4-Dichlorobenzene	<	367	367
2,4-Dichlorophenol	<	367	367
2,6-Dichlorophenol	<	367	367
Diethylphthalate	<	367	367
3,3'-Dimethylbenzidine	<	1889	1889
2,4-Dimethylphenol	<	367	367
Dimethylphthalate	<	367	367

P-10

2,4-Dinitrophenol	<	1889	1889
2,4-Dinitrotoluene	<	367	367
2,6-Dinitrotoluene	<	367	367
Di-n-octylphthalate	<	367	367
Fluoranthene	<	367	367
Fluorene	<	367	367
Hexachlorobenzene	<	367	367
Hexachlorobutadiene	<	367	367
Hexachlorocyclopentadiene	<	367	367
Hexachloroethane	<	367	367
Indeno(1,2,3-cd)pyrene	<	367	367
Isophorone	<	367	367
2-Methyl-4,6-dinitrophenol	<	1889	1889
2-Methylnaphthalene	<	367	367
2-Methylphenol (o-cresol)	<	367	367
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	367	367
Naphthalene	<	367	367
2-Nitroaniline	<	1889	1889
3-Nitroaniline	<	1889	1889
4-Nitroaniline	<	1889	1889
Nitrobenzene	<	367	367
2-Nitrophenol	<	367	367
4-Nitrophenol	<	1889	1889
N-Nitrosodimethylamine	<	367	367
n-Nitrosodi-n-propylamine	<	367	367
Pentachlorophenol	<	1889	1889
Phenanthrene	<	367	367
Phenol	<	367	367
Pyrene	<	367	367
Pyridine	<	367	367
2,3,4,6-Tetrachlorophenol	<	1889	1889
1,2,4-Trichlorobenzene	<	367	367
2,4,5-Trichlorophenol	<	1889	1889
2,4,6-Trichlorophenol	<	367	367

Surrogate Recoveries		Range
2-Fluorophenol	43.8 %	25 - 121
Phenol-d5	44.1 %	24 - 113
Nitrobenzene-d5	41.1 %	23 - 120
2-Fluorobiphenyl	43.2 %	30 - 115
2,4,6-Tribromophenol	39.2 %	19 - 122
4-Terphenyl-d14	48.3 %	18 - 137

Percent Solids 90 %

Approved by: Jerry Howcastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 960720-FW-IW-SL0011
Control No.: 82794
Prep Date: 8/2/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: Joseph F. Schultz, 20-Aug-95 11:36PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	359	359
Acenaphthylene	<	359	359
Anthracene	<	359	359
Benzo(a)anthracene	<	359	359
Benzo(b)fluoranthene	<	359	359
Benzo(k)fluoranthene	<	359	359
Benzo(g,h,i)perylene	<	359	359
Benzo(a)pyrene	<	359	359
Benzyl alcohol	<	359	359
bis(2-Chloroethoxy)methane	<	359	359
bis(2-Chloroethyl)ether	<	359	359
bis(2-Chloroisopropyl)ether	<	359	359
bis(2-Ethylhexyl)phthalate	<	359	359
4-Bromophenyl phenyl ether	<	359	359
p-Chloroaniline	<	717	717
4-Chloro-3-methylphenol	<	359	359
2-Chloronaphthalene	<	359	359
2-Chlorophenol	<	359	359
4-Chlorophenylphenyl ether	<	359	359
Chrysene	<	359	359
Dibenz(a,h)anthracene	<	359	359
Dibenzofuran	<	359	359
Di-n-butylphthalate		712	359
1,2-Dichlorobenzene	<	359	359
1,3-Dichlorobenzene	<	359	359
1,4-Dichlorobenzene	<	359	359
2,4-Dichlorophenol	<	359	359
2,6-Dichlorophenol	<	359	359
Diethylphthalate	<	359	359
3,3'-Dimethylbenzidine	<	1848	1848
2,4-Dimethylphenol	<	359	359
Dimethylphthalate	<	359	359
2,4-Dinitrophenol	<	1848	1848

2,4-Dinitrotoluene	<	359	359
2,6-Dinitrotoluene	<	359	359
Di-n-octylphthalate	<	359	359
Fluoranthene	<	359	359
Fluorene	<	359	359
Hexachlorobenzene	<	359	359
Hexachlorobutadiene	<	359	359
Hexachlorocyclopentadiene	<	359	359
Hexachloroethane	<	359	359
Indeno(1,2,3-cd)pyrene	<	359	359
Isophorone	<	359	359
2-Methyl-4,6-dinitrophenol	<	1848	1848
2-Methylnaphthalene	<	359	359
2-Methylphenol (o-cresol)	<	359	359
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	359	359
Naphthalene	<	359	359
2-Nitroaniline	<	1848	1848
3-Nitroaniline	<	1848	1848
4-Nitroaniline	<	1848	1848
Nitrobenzene	<	359	359
2-Nitrophenol	<	359	359
4-Nitrophenol	<	1848	1848
N-Nitrosodimethylamine	<	359	359
n-Nitrosodi-n-propylamine	<	359	359
Pentachlorophenol	<	1848	1848
Phenanthrene	<	359	359
Phenol	<	359	359
Pyrene	<	359	359
Pyridine	<	359	359
2,3,4,6-Tetrachlorophenol	<	1848	1848
1,2,4-Trichlorobenzene	<	359	359
2,4,5-Trichlorophenol	<	1848	1848
2,4,6-Trichlorophenol	<	359	359

Surrogate Recoveries		Range
2-Fluorophenol	68.6 %	25 - 121
Phenol-d5	71.7 %	24 - 113
Nitrobenzene-d5	65.9 %	23 - 120
2-Fluorobiphenyl	71.5 %	30 - 115
2,4,6-Tribromophenol	65.1 %	19 - 122
4-Terphenyl-d14	79.2 %	18 - 137

Percent Solids	92 %

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0012
Control No.: 82790
Prep Date: 8/2/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 21-Aug-95 2:49AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	340	340
Acenaphthylene	<	340	340
Anthracene	<	340	340
Benzo(a)anthracene	<	340	340
Benzo(b)fluoranthene	<	340	340
Benzo(k)fluoranthene	<	340	340
Benzo(g,h,i)perylene	<	340	340
Benzo(a)pyrene	<	340	340
Benzyl alcohol	<	340	340
bis(2-Chloroethoxy)methane	<	340	340
bis(2-Chloroethyl)ether	<	340	340
bis(2-Chloroisopropyl)ether	<	340	340
bis(2-Ethylhexyl)phthalate	<	340	340
4-Bromophenyl phenyl ether	<	340	340
p-Chloroaniline	<	680	680
4-Chloro-3-methylphenol	<	340	340
2-Chloronaphthalene	<	340	340
2-Chlorophenol	<	340	340
4-Chlorophenylphenyl ether	<	340	340
Chrysene	<	340	340
Dibenz(a,h)anthracene	<	340	340
Dibenzofuran	<	340	340
Di-n-butylphthalate	<	340	340
1,2-Dichlorobenzene	<	340	340
1,3-Dichlorobenzene	<	340	340
1,4-Dichlorobenzene	<	340	340
2,4-Dichlorophenol	<	340	340
2,6-Dichlorophenol	<	340	340
Diethylphthalate	<	340	340
3,3'-Dimethylbenzidine	<	1753	1753
2,4-Dimethylphenol	<	340	340
Dimethylphthalate	<	340	340

2,4-Dinitrophenol	<	1753	1753
2,4-Dinitrotoluene	<	340	340
2,6-Dinitrotoluene	<	340	340
Di-n-octylphthalate	<	340	340
Fluoranthene	<	340	340
Fluorene	<	340	340
Hexachlorobenzene	<	340	340
Hexachlorobutadiene	<	340	340
Hexachlorocyclopentadiene	<	340	340
Hexachloroethane	<	340	340
Indeno(1,2,3-cd)pyrene	<	340	340
Isophorone	<	340	340
2-Methyl-4,6-dinitrophenol	<	1753	1753
2-Methylnaphthalene	<	340	340
2-Methylphenol (o-cresol)	<	340	340
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	340	340
Naphthalene	<	340	340
2-Nitroaniline	<	1753	1753
3-Nitroaniline	<	1753	1753
4-Nitroaniline	<	1753	1753
Nitrobenzene	<	340	340
2-Nitrophenol	<	340	340
4-Nitrophenol	<	1753	1753
N-Nitrosodimethylamine	<	340	340
n-Nitrosodi-n-propylamine	<	340	340
Pentachlorophenol	<	1753	1753
Phenanthrene	<	340	340
Phenol	<	340	340
Pyrene	<	340	340
Pyridine	<	340	340
2,3,4,6-Tetrachlorophenol	<	1753	1753
1,2,4-Trichlorobenzene	<	340	340
2,4,5-Trichlorophenol	<	1753	1753
2,4,6-Trichlorophenol	<	340	340

Surrogate Recoveries		Range
2-Fluorophenol	67.7 %	25 - 121
Phenol-d5	75.0 %	24 - 113
Nitrobenzene-d5	70.8 %	23 - 120
2-Fluorobiphenyl	77.0 %	30 - 115
2,4,6-Tribromophenol	64.3 %	19 - 122
4-Terphenyl-d14	82.5 %	18 - 137

Percent Solids	97 %

Approved by: Jerry Howarth

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950814-FW-IW-SL0013S
Control No.: 83714
Prep Date: 8/22/95
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 31-Aug-95 12:24PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	340	340
Acenaphthylene	<	340	340
Anthracene	<	340	340
Benzo(a)anthracene	<	340	340
Benzo(b)fluoranthene	<	340	340
Benzo(k)fluoranthene		341	340
Benzo(g,h,i)perylene	<	340	340
Benzo(a)pyrene	<	340	340
Benzyl alcohol	<	340	340
bis(2-Chloroethoxy)methane	<	340	340
bis(2-Chloroethyl)ether	<	340	340
bis(2-Chloroisopropyl)ether	<	340	340
bis(2-Ethylhexyl)phthalate		475	340
4-Bromophenyl phenyl ether	<	340	340
p-Chloroaniline	<	680	680
4-Chloro-3-methylphenol	<	340	340
2-Chloronaphthalene	<	340	340
2-Chlorophenol	<	340	340
4-Chlorophenylphenyl ether	<	340	340
Chrysene	<	340	340
Dibenz(a,h)anthracene	<	340	340
Dibenzofuran	<	340	340
Di-n-butylphthalate		830	340
1,2-Dichlorobenzene	<	340	340
1,3-Dichlorobenzene	<	340	340
1,4-Dichlorobenzene	<	340	340
2,4-Dichlorophenol	<	340	340
2,6-Dichlorophenol	<	340	340
Diethylphthalate	<	340	340
3,3'-Dimethylbenzidine	<	1753	1753
2,4-Dimethylphenol	<	340	340
Dimethylphthalate	<	340	340

2,4-Dinitrophenol	<	1753	1753
2,4-Dinitrotoluene	<	340	340
2,6-Dinitrotoluene	<	340	340
Di-n-octylphthalate	<	340	340
Fluoranthene	<	340	340
Fluorene	<	340	340
Hexachlorobenzene	<	340	340
Hexachlorobutadiene	<	340	340
Hexachlorocyclopentadiene	<	340	340
Hexachloroethane	<	340	340
Indeno(1,2,3-cd)pyrene	<	340	340
Isophorone	<	340	340
2-Methyl-4,6-dinitrophenol	<	1753	1753
2-Methylnaphthalene	<	340	340
2-Methylphenol (o-cresol)	<	340	340
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	340	340
Naphthalene	<	340	340
2-Nitroaniline	<	1753	1753
3-Nitroaniline	<	1753	1753
4-Nitroaniline	<	1753	1753
Nitrobenzene	<	340	340
2-Nitrophenol	<	340	340
4-Nitrophenol	<	1753	1753
N-Nitrosodimethylamine	<	340	340
n-Nitrosodi-n-propylamine	<	340	340
Pentachlorophenol	<	1753	1753
Phenanthrene	<	340	340
Phenol	<	340	340
Pyrene	<	340	340
Pyridine	<	340	340
2,3,4,6-Tetrachlorophenol	<	1753	1753
1,2,4-Trichlorobenzene	<	340	340
2,4,5-Trichlorophenol	<	1753	1753
2,4,6-Trichlorophenol	<	340	340

Surrogate Recoveries		Range
2-Fluorophenol	53.7 %	25 - 121
Phenol-d5	75.9 %	24 - 113
Nitrobenzene-d5	76.7 %	23 - 120
2-Fluorobiphenyl	90.0 %	30 - 115
2,4,6-Tribromophenol	83.4 %	19 - 122
4-Terphenyl-d14	122.1 %	18 - 137

Percent Solids	97 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0013D
Control No.: 82783
Prep Date: 7/25/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: Joseph F. Schultz 21-Aug-95 2:01 AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	367	367
Acenaphthylene	<	367	367
Anthracene	<	367	367
Benzo(a)anthracene	<	367	367
Benzo(b)fluoranthene	<	367	367
Benzo(k)fluoranthene	<	367	367
Benzo(g,h,i)perylene	<	367	367
Benzo(a)pyrene	<	367	367
Benzyl alcohol	<	367	367
bis(2-Chloroethoxy)methane	<	367	367
bis(2-Chloroethyl)ether	<	367	367
bis(2-Chloroisopropyl)ether	<	367	367
bis(2-Ethylhexyl)phthalate	<	367	367
4-Bromophenyl phenyl ether	<	367	367
p-Chloroaniline	<	733	733
4-Chloro-3-methylphenol	<	367	367
2-Chloronaphthalene	<	367	367
2-Chlorophenol	<	367	367
4-Chlorophenylphenyl ether	<	367	367
Chrysene	<	367	367
Dibenz(a,h)anthracene	<	367	367
Dibenzofuran	<	367	367
Di-n-butylphthalate		3771	367
1,2-Dichlorobenzene	<	367	367
1,3-Dichlorobenzene	<	367	367
1,4-Dichlorobenzene	<	367	367
2,4-Dichlorophenol	<	367	367
2,6-Dichlorophenol	<	367	367
Diethylphthalate	<	367	367
3,3'-Dimethylbenzidine	<	1889	1889
2,4-Dimethylphenol	<	367	367
Dimethylphthalate	<	367	367

2,4-Dinitrophenol	<	1889	1889
2,4-Dinitrotoluene	<	367	367
2,6-Dinitrotoluene	<	367	367
Di-n-octylphthalate	<	367	367
Fluoranthene	<	367	367
Fluorene	<	367	367
Hexachlorobenzene	<	367	367
Hexachlorobutadiene	<	367	367
Hexachlorocyclopentadiene	<	367	367
Hexachloroethane	<	367	367
Indeno(1,2,3-cd)pyrene	<	367	367
Isophorone	<	367	367
2-Methyl-4,6-dinitrophenol	<	1889	1889
2-Methylnaphthalene	<	367	367
2-Methylphenol (o-cresol)	<	367	367
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	367	367
Naphthalene	<	367	367
2-Nitroaniline	<	1889	1889
3-Nitroaniline	<	1889	1889
4-Nitroaniline	<	1889	1889
Nitrobenzene	<	367	367
2-Nitrophenol	<	367	367
4-Nitrophenol	<	1889	1889
N-Nitrosodimethylamine	<	367	367
n-Nitrosodi-n-propylamine	<	367	367
Pentachlorophenol	<	1889	1889
Phenanthrene	<	367	367
Phenol	<	367	367
Pyrene	<	367	367
Pyridine	<	367	367
2,3,4,6-Tetrachlorophenol	<	1889	1889
1,2,4-Trichlorobenzene	<	367	367
2,4,5-Trichlorophenol	<	1889	1889
2,4,6-Trichlorophenol	<	367	367

Surrogate Recoveries		Range
2-Fluorophenol	82.7 %	25 - 121
Phenol-d5	88.5 %	24 - 113
Nitrobenzene-d5	92.1 %	23 - 120
2-Fluorobiphenyl	97.1 %	30 - 115
2,4,6-Tribromophenol	82.7 %	19 - 122
4-Terphenyl-d14	99.2 %	18 - 137

Percent Solids	90 %

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/29/95
ID number : 950720-FW-IW-SL0014
Control No.: 82793
Prep Date: 8/2/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 21-Aug-95 3:38AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	359	359
Acenaphthylene	<	359	359
Anthracene	<	359	359
Benzo(a)anthracene	<	359	359
Benzo(b)fluoranthene		608	359
Benzo(k)fluoranthene		593	359
Benzo(g,h,i)perylene	<	359	359
Benzo(a)pyrene	<	359	359
Benzyl alcohol	<	359	359
bis(2-Chloroethoxy)methane	<	359	359
bis(2-Chloroethyl)ether	<	359	359
bis(2-Chloroisopropyl)ether	<	359	359
bis(2-Ethylhexyl)phthalate	<	359	359
4-Bromophenyl phenyl ether	<	359	359
p-Chloroaniline	<	717	717
4-Chloro-3-methylphenol	<	359	359
2-Chloronaphthalene	<	359	359
2-Chlorophenol	<	359	359
4-Chlorophenylphenyl ether	<	359	359
Chrysene	<	359	359
Dibenz(a,h)anthracene	<	359	359
Dibenzofuran	<	359	359
Di-n-butylphthalate	<	359	359
1,2-Dichlorobenzene	<	359	359
1,3-Dichlorobenzene	<	359	359
1,4-Dichlorobenzene	<	359	359
2,4-Dichlorophenol	<	359	359
2,6-Dichlorophenol	<	359	359
Diethylphthalate	<	359	359
3,3'-Dimethylbenzidine	<	1848	1848
2,4-Dimethylphenol	<	359	359
Dimethylphthalate	<	359	359

2,4-Dinitrophenol	<	1848	1848
2,4-Dinitrotoluene	<	359	359
2,6-Dinitrotoluene	<	359	359
Di-n-octylphthalate	<	359	359
Fluoranthene	<	359	359
Fluorene	<	359	359
Hexachlorobenzene	<	359	359
Hexachlorobutadiene	<	359	359
Hexachlorocyclopentadiene	<	359	359
Hexachloroethane	<	359	359
Indeno(1,2,3-cd)pyrene	<	359	359
Isophorone	<	359	359
2-Methyl-4,6-dinitrophenol	<	1848	1848
2-Methylnaphthalene	<	359	359
2-Methylphenol (o-cresol)	<	359	359
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	359	359
Naphthalene	<	359	359
2-Nitroaniline	<	1848	1848
3-Nitroaniline	<	1848	1848
4-Nitroaniline	<	1848	1848
Nitrobenzene	<	359	359
2-Nitrophenol	<	359	359
4-Nitrophenol	<	1848	1848
N-Nitrosodimethylamine	<	359	359
n-Nitrosodi-n-propylamine	<	359	359
Pentachlorophenol	<	1848	1848
Phenanthrene	<	359	359
Phenol	<	359	359
Pyrene	<	359	359
Pyridine	<	359	359
2,3,4,6-Tetrachlorophenol	<	1848	1848
1,2,4-Trichlorobenzene	<	359	359
2,4,5-Trichlorophenol	<	1848	1848
2,4,6-Trichlorophenol	<	359	359

Surrogate Recoveries		Range
2-Fluorophenol	62.3 %	25 - 121
Phenol-d5	69.4 %	24 - 113
Nitrobenzene-d5	63.9 %	23 - 120
2-Fluorobiphenyl	69.9 %	30 - 115
2,4,6-Tribromophenol	58.7 %	19 - 122
4-Terphenyl-d14	74.1 %	18 - 137

Percent Solids	92 %

Approved by: Jerry Hamilton

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0015
Control No.: 82787
Prep Date: 7/31/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 23-Aug-95 7:37PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	759	759
Acenaphthylene	<	759	759
Anthracene	<	759	759
Benzo(a)anthracene	<	759	759
Benzo(b)fluoranthene	<	759	759
Benzo(k)fluoranthene	<	759	759
Benzo(g,h,i)perylene	<	759	759
Benzo(a)pyrene	<	759	759
Benzyl alcohol	<	759	759
bis(2-Chloroethoxy)methane	<	759	759
bis(2-Chloroethyl)ether	<	759	759
bis(2-Chloroisopropyl)ether	<	759	759
bis(2-Ethylhexyl)phthalate	<	759	759
4-Bromophenyl phenyl ether	<	759	759
p-Chloroaniline	<	1517	1517
4-Chloro-3-methylphenol	<	759	759
2-Chloronaphthalene	<	759	759
2-Chlorophenol	<	759	759
4-Chlorophenylphenyl ether	<	759	759
Chrysene	<	759	759
Dibenz(a,h)anthracene	<	759	759
Dibenzofuran	<	759	759
Di-n-butylphthalate	<	759	759
1,2-Dichlorobenzene	<	759	759
1,3-Dichlorobenzene	<	759	759
1,4-Dichlorobenzene	<	759	759
2,4-Dichlorophenol	<	759	759
2,6-Dichlorophenol	<	759	759
Diethylphthalate	<	759	759
3,3'-Dimethylbenzidine	<	3908	3908
2,4-Dimethylphenol	<	759	759
Dimethylphthalate	<	759	759
2,4-Dinitrophenol	<	3908	3908

2,4-Dinitrotoluene	<	759	759
2,6-Dinitrotoluene	<	759	759
Di-n-octylphthalate	<	759	759
Fluoranthene	<	759	759
Fluorene	<	759	759
Hexachlorobenzene	<	759	759
Hexachlorobutadiene	<	759	759
Hexachlorocyclopentadiene	<	759	759
Hexachloroethane	<	759	759
Indeno(1,2,3-cd)pyrene	<	759	759
Isophorone	<	759	759
2-Methyl-4,6-dinitrophenol	<	3908	3908
2-Methylnaphthalene	<	759	759
2-Methylphenol (o-cresol)	<	759	759
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	759	759
Naphthalene	<	759	759
2-Nitroaniline	<	3908	3908
3-Nitroaniline	<	3908	3908
4-Nitroaniline	<	3908	3908
Nitrobenzene	<	759	759
2-Nitrophenol	<	759	759
4-Nitrophenol	<	3908	3908
N-Nitrosodimethylamine	<	759	759
n-Nitrosodi-n-propylamine	<	759	759
Pentachlorophenol	<	3908	3908
Phenanthrene	<	759	759
Phenol	<	759	759
Pyrene	<	759	759
Pyridine	<	759	759
2,3,4,6-Tetrachlorophenol	<	3908	3908
1,2,4-Trichlorobenzene	<	759	759
2,4,5-Trichlorophenol	<	3908	3908
2,4,6-Trichlorophenol	<	759	759

Surrogate Recoveries		Range
2-Fluorophenol	63.4 %	25 - 121
Phenol-d5	68.2 %	24 - 113
Nitrobenzene-d5	64.7 %	23 - 120
2-Fluorobiphenyl	73.2 %	30 - 115
2,4,6-Tribromophenol	67.6 %	19 - 122
4-Terphenyl-d14	79.5 %	18 - 137

Percent Solids 87 %

Approved by: Jerry Howard

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 960720-FW-IW-SL0016
Control No.: 82789
Prep Date: 8/2/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 20-Aug-95 22:47
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	418	418
Acenaphthylene	<	418	418
Anthracene	<	418	418
Benzo(a)anthracene	<	418	418
Benzo(b)fluoranthene	<	418	418
Benzo(k)fluoranthene	<	418	418
Benzo(g,h,i)perylene	<	418	418
Benzo(a)pyrene	<	418	418
Benzyl alcohol	<	418	418
bis(2-Chloroethoxy)methane	<	418	418
bis(2-Chloroethyl)ether	<	418	418
bis(2-Chloroisopropyl)ether	<	418	418
bis(2-Ethylhexyl)phthalate		442	418
4-Bromophenyl phenyl ether	<	418	418
p-Chloroaniline	<	835	835
4-Chloro-3-methylphenol	<	418	418
2-Chloronaphthalene	<	418	418
2-Chlorophenol	<	418	418
4-Chlorophenylphenyl ether	<	418	418
Chrysene	<	418	418
Dibenz(a,h)anthracene	<	418	418
Dibenzofuran	<	418	418
Di-n-butylphthalate	<	418	418
1,2-Dichlorobenzene	<	418	418
1,3-Dichlorobenzene	<	418	418
1,4-Dichlorobenzene	<	418	418
2,4-Dichlorophenol	<	418	418
2,6-Dichlorophenol	<	418	418
Diethylphthalate	<	418	418
3,3'-Dimethylbenzidine	<	2152	2152
2,4-Dimethylphenol	<	418	418
Dimethylphthalate	<	418	418
2,4-Dinitrophenol	<	2152	2152

2,4-Dinitrotoluene	<	418	418
2,6-Dinitrotoluene	<	418	418
Di-n-octylphthalate	<	418	418
Fluoranthene	<	418	418
Fluorene	<	418	418
Hexachlorobenzene	<	418	418
Hexachlorobutadiene	<	418	418
Hexachlorocyclopentadiene	<	418	418
Hexachloroethane	<	418	418
Indeno(1,2,3-cd)pyrene	<	418	418
Isophorone	<	418	418
2-Methyl-4,6-dinitrophenol	<	2152	2152
2-Methylnaphthalene	<	418	418
2-Methylphenol (o-cresol)	<	418	418
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	418	418
Naphthalene	<	418	418
2-Nitroaniline	<	2152	2152
3-Nitroaniline	<	2152	2152
4-Nitroaniline	<	2152	2152
Nitrobenzene	<	418	418
2-Nitrophenol	<	418	418
4-Nitrophenol	<	2152	2152
N-Nitrosodimethylamine	<	418	418
n-Nitrosodi-n-propylamine	<	418	418
Pentachlorophenol	<	2152	2152
Phenanthrene	<	418	418
Phenol	<	418	418
Pyrene	<	418	418
Pyridine	<	418	418
2,3,4,6-Tetrachlorophenol	<	2152	2152
1,2,4-Trichlorobenzene	<	418	418
2,4,5-Trichlorophenol	<	2152	2152
2,4,6-Trichlorophenol	<	418	418

Surrogate Recoveries		Range
2-Fluorophenol	70.2 %	25 - 121
Phenol-d5	76.5 %	24 - 113
Nitrobenzene-d5	71.7 %	23 - 120
2-Fluorobiphenyl	76.0 %	30 - 115
2,4,6-Tribromophenol	76.5 %	19 - 122
4-Terphenyl-d14	86.6 %	18 - 137

Percent Solids	79 %

Approved by: Jay Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950718-FW-IW-SL0017
Control No.: 82632
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 24-Aug-95 10:15PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene		12532	3438
Acenaphthylene	<	3438	3438
Anthracene	<	3438	3438
Benzo(a)anthracene	<	3438	3438
Benzo(b)fluoranthene		4697	3438
Benzo(k)fluoranthene		3641	3438
Benzo(g,h,i)perylene	<	3438	3438
Benzo(a)pyrene		4647	3438
Benzyl alcohol	<	3438	3438
bis(2-Chloroethoxy)methane	<	3438	3438
bis(2-Chloroethyl)ether	<	3438	3438
bis(2-Chloroisopropyl)ether	<	3438	3438
bis(2-Ethylhexyl)phthalate	<	3438	3438
4-Bromophenyl phenyl ether	<	3438	3438
p-Chloroaniline	<	6875	6875
4-Chloro-3-methylphenol		23848	3438
2-Chloronaphthalene	<	3438	3438
2-Chlorophenol		24131	3438
4-Chlorophenylphenyl ether	<	3438	3438
Chrysene	<	3438	3438
Dibenz(a,h)anthracene	<	3438	3438
Dibenzofuran	<	3438	3438
Di-n-butylphthalate	<	3438	3438
1,2-Dichlorobenzene	<	3438	3438
1,3-Dichlorobenzene	<	3438	3438
1,4-Dichlorobenzene		13061	3438
2,4-Dichlorophenol	<	3438	3438
2,6-Dichlorophenol	<	3438	3438
Diethylphthalate	<	3438	3438
3,3'-Dimethylbenzidine	<	17708	17708
2,4-Dimethylphenol	<	3438	3438
Dimethylphthalate	<	3438	3438

2,4-Dinitrophenol	<	17708	17708
2,4-Dinitrotoluene		11124	3438
2,6-Dinitrotoluene	<	3438	3438
Di-n-octylphthalate	<	3438	3438
Fluoranthene	<	3438	3438
Fluorene	<	3438	3438
Hexachlorobenzene	<	3438	3438
Hexachlorobutadiene	<	3438	3438
Hexachlorocyclopentadiene	<	3438	3438
Hexachloroethane	<	3438	3438
Indeno(1,2,3-cd)pyrene	<	3438	3438
Isophorone	<	3438	3438
2-Methyl-4,6-dinitrophenol	<	17708	17708
2-Methylnaphthalene	<	3438	3438
2-Methylphenol (o-cresol)	<	3438	3438
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	3438	3438
Naphthalene	<	3438	3438
2-Nitroaniline	<	17708	17708
3-Nitroaniline	<	17708	17708
4-Nitroaniline	<	17708	17708
Nitrobenzene	<	3438	3438
2-Nitrophenol	<	3438	3438
4-Nitrophenol	<	17708	17708
N-Nitrosodimethylamine	<	3438	3438
n-Nitrosodi-n-propylamine		13117	3438
Pentachlorophenol	<	17708	17708
Phenanthrene	<	3438	3438
Phenol		21185	3438
Pyrene		16449	3438
Pyridine	<	3438	3438
2,3,4,6-Tetrachlorophenol	<	17708	17708
1,2,4-Trichlorobenzene		10852	3438
2,4,5-Trichlorophenol	<	17708	17708
2,4,6-Trichlorophenol	<	3438	3438

Surrogate Recoveries		Range
2-Fluorophenol	69.3 %	25 - 121
Phenol-d5	70.2 %	24 - 113
Nitrobenzene-d5	64.0 %	23 - 120
2-Fluorobiphenyl	76.1 %	30 - 115
2,4,6-Tribromophenol	54.1 %	19 - 122
4-Terphenyl-d14	86.4 %	18 - 137

Percent Solids	96 %

Approved by: _____

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date: 11/16/95
ID number: 950707-FW-IW-SL0018
Control No.: 82305
Prep Date: 7/17/95
Sample Date: 7/7/95
Sampled by: K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: LeeAnn Wallace, 6-Aug-95 11:48AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	559	559
Acenaphthylene	<	559	559
Anthracene	<	559	559
Benzo(a)anthracene	<	559	559
Benzo(b)fluoranthene	<	559	559
Benzo(k)fluoranthene	<	559	559
Benzo(g,h,i)perylene	<	559	559
Benzo(a)pyrene	<	559	559
Benzyl alcohol	<	559	559
bis(2-Chloroethoxy)methane	<	559	559
bis(2-Chloroethyl)ether	<	559	559
bis(2-Chloroisopropyl)ether	<	559	559
bis(2-Ethylhexyl)phthalate	<	559	559
4-Bromophenyl phenyl ether	<	559	559
p-Chloroaniline	<	1119	1119
4-Chloro-3-methylphenol	<	559	559
2-Chloronaphthalene	<	559	559
2-Chlorophenol	<	559	559
4-Chlorophenylphenyl ether	<	559	559
Chrysene	<	559	559
Dibenz(a,h)anthracene	<	559	559
Dibenzofuran	<	559	559
Di-n-butylphthalate	<	559	559
1,2-Dichlorobenzene	<	559	559
1,3-Dichlorobenzene	<	559	559
1,4-Dichlorobenzene	<	559	559
2,4-Dichlorophenol	<	559	559
2,6-Dichlorophenol	<	559	559
Diethylphthalate	<	559	559
3,3'-Dimethylbenzidine	<	2881	2881
2,4-Dimethylphenol	<	559	559
Dimethylphthalate	<	559	559

2,4-Dinitrophenol	<	2881	2881
2,4-Dinitrotoluene	<	559	559
2,6-Dinitrotoluene	<	559	559
Di-n-octylphthalate	<	559	559
Fluoranthene	<	559	559
Fluorene	<	559	559
Hexachlorobenzene	<	559	559
Hexachlorobutadiene	<	559	559
Hexachlorocyclopentadiene	<	559	559
Hexachloroethane	<	559	559
Indeno(1,2,3-cd)pyrene	<	559	559
Isophorone	<	559	559
2-Methyl-4,6-dinitrophenol	<	2881	2881
2-Methylnaphthalene	<	559	559
2-Methylphenol (o-cresol)	<	559	559
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	559	559
Naphthalene	<	559	559
2-Nitroaniline	<	2881	2881
3-Nitroaniline	<	2881	2881
4-Nitroaniline	<	2881	2881
Nitrobenzene	<	559	559
2-Nitrophenol	<	559	559
4-Nitrophenol	<	2881	2881
N-Nitrosodimethylamine	<	559	559
n-Nitrosodi-n-propylamine	<	559	559
Pentachlorophenol	<	2881	2881
Phenanthrene	<	559	559
Phenol	<	559	559
Pyrene	<	559	559
Pyridine	<	559	559
2,3,4,6-Tetrachlorophenol	<	2881	2881
1,2,4-Trichlorobenzene	<	559	559
2,4,5-Trichlorophenol	<	2881	2881
2,4,6-Trichlorophenol	<	559	559

Surrogate Recoveries		Range
2-Fluorophenol	90.0 %	25 - 121
Phenol-d5	83.0 %	24 - 113
Nitrobenzene-d5	74.1 %	23 - 120
2-Fluorobiphenyl	84.9 %	30 - 115
2,4,6-Tribromophenol	86.7 %	19 - 122
4-Terphenyl-d14	96.2 %	18 - 137

Percent Solids	59 %

Approved by: _____

001333

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950710-FW-IW-SL0019S
Control No.: 82348
Prep Date: 7/17/95
Sample Date: 7/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 4:34PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene		2724	647
Acenaphthylene	<	647	647
Anthracene	<	647	647
Benzo(a)anthracene	<	647	647
Benzo(b)fluoranthene	<	647	647
Benzo(k)fluoranthene	<	647	647
Benzo(g,h,i)perylene	<	647	647
Benzo(a)pyrene	<	647	647
Benzyl alcohol	<	647	647
bis(2-Chloroethoxy)methane	<	647	647
bis(2-Chloroethyl)ether	<	647	647
bis(2-Chloroisopropyl)ether	<	647	647
bis(2-Ethylhexyl)phthalate		753	647
4-Bromophenyl phenyl ether	<	647	647
p-Chloroaniline	<	1294	1294
4-Chloro-3-methylphenol		5747	647
2-Chloronaphthalene	<	647	647
2-Chlorophenol		5090	647
4-Chlorophenylphenyl ether	<	647	647
Chrysene	<	647	647
Dibenz(a,h)anthracene	<	647	647
Dibenzofuran	<	647	647
Di-n-butylphthalate	<	647	647
1,2-Dichlorobenzene	<	647	647
1,3-Dichlorobenzene	<	647	647
1,4-Dichlorobenzene		2453	647
2,4-Dichlorophenol	<	647	647
2,6-Dichlorophenol	<	647	647
Diethylphthalate	<	647	647
3,3'-Dimethylbenzidine	<	3333	3333
2,4-Dimethylphenol	<	647	647
Dimethylphthalate	<	647	647

2,4-Dinitrophenol	<	3333	3333
2,4-Dinitrotoluene		2729	647
2,6-Dinitrotoluene	<	647	647
Di-n-octylphthalate	<	647	647
Fluoranthene	<	647	647
Fluorene	<	647	647
Hexachlorobenzene	<	647	647
Hexachlorobutadiene	<	647	647
Hexachlorocyclopentadiene	<	647	647
Hexachloroethane	<	647	647
Indeno(1,2,3-cd)pyrene	<	647	647
Isophorone	<	647	647
2-Methyl-4,6-dinitrophenol	<	3333	3333
2-Methylnaphthalene	<	647	647
2-Methylphenol (o-cresol)	<	647	647
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	647	647
Naphthalene	<	647	647
2-Nitroaniline	<	3333	3333
3-Nitroaniline	<	3333	3333
4-Nitroaniline	<	3333	3333
Nitrobenzene	<	647	647
2-Nitrophenol	<	647	647
4-Nitrophenol		6206	3333
N-Nitrosodimethylamine	<	647	647
n-Nitrosodi-n-propylamine		3078	647
Pentachlorophenol		5551	3333
Phenanthrene	<	647	647
Phenol		5633	647
Pyrene		2539	647
Pyridine	<	647	647
2,3,4,6-Tetrachlorophenol	<	3333	3333
1,2,4-Trichlorobenzene		2837	647
2,4,5-Trichlorophenol	<	3333	3333
2,4,6-Trichlorophenol	<	647	647

Surrogate Recoveries		Range
2-Fluorophenol	99.2 %	25 - 121
Phenol-d5	94.0 %	24 - 113
Nitrobenzene-d5	89.9 %	23 - 120
2-Fluorobiphenyl	91.4 %	30 - 115
2,4,6-Tribromophenol	110.3 %	19 - 122
4-Terphenyl-d14	109.0 %	18 - 137

Percent Solids 51 %

Approved by: [signature]

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950711-FW-IW-SL0019D
Control No.: 82390
Prep Date: 7/18/95
Sample Date: 7/11/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 5:21PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	402	402
Acenaphthylene	<	402	402
Anthracene	<	402	402
Benzo(a)anthracene	<	402	402
Benzo(b)fluoranthene	<	402	402
Benzo(k)fluoranthene	<	402	402
Benzo(g,h,i)perylene	<	402	402
Benzo(a)pyrene	<	402	402
Benzyl alcohol	<	402	402
bis(2-Chloroethoxy)methane	<	402	402
bis(2-Chloroethyl)ether	<	402	402
bis(2-Chloroisopropyl)ether	<	402	402
bis(2-Ethylhexyl)phthalate	<	402	402
4-Bromophenyl phenyl ether	<	402	402
p-Chloroaniline	<	805	805
4-Chloro-3-methylphenol	<	402	402
2-Chloronaphthalene	<	402	402
2-Chlorophenol	<	402	402
4-Chlorophenylphenyl ether	<	402	402
Chrysene	<	402	402
Dibenz(a,h)anthracene	<	402	402
Dibenzofuran	<	402	402
Di-n-butylphthalate	<	402	402
1,2-Dichlorobenzene	<	402	402
1,3-Dichlorobenzene	<	402	402
1,4-Dichlorobenzene	<	402	402
2,4-Dichlorophenol	<	402	402
2,6-Dichlorophenol	<	402	402
Diethylphthalate	<	402	402
3,3'-Dimethylbenzidine	<	2073	2073
2,4-Dimethylphenol	<	402	402
Dimethylphthalate	<	402	402

2,4-Dinitrophenol	<	2073	2073
2,4-Dinitrotoluene	<	402	402
2,6-Dinitrotoluene	<	402	402
Di-n-octylphthalate	<	402	402
Fluoranthene	<	402	402
Fluorene	<	402	402
Hexachlorobenzene	<	402	402
Hexachlorobutadiene	<	402	402
Hexachlorocyclopentadiene	<	402	402
Hexachloroethane	<	402	402
Indeno(1,2,3-cd)pyrene	<	402	402
Isophorone	<	402	402
2-Methyl-4,6-dinitrophenol	<	2073	2073
2-Methylnaphthalene	<	402	402
2-Methylphenol (o-cresol)	<	402	402
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	402	402
Naphthalene	<	402	402
2-Nitroaniline	<	2073	2073
3-Nitroaniline	<	2073	2073
4-Nitroaniline	<	2073	2073
Nitrobenzene	<	402	402
2-Nitrophenol	<	402	402
4-Nitrophenol	<	2073	2073
N-Nitrosodimethylamine	<	402	402
n-Nitrosodi-n-propylamine	<	402	402
Pentachlorophenol	<	2073	2073
Phenanthrene	<	402	402
Phenol	<	402	402
Pyrene	<	402	402
Pyridine	<	402	402
2,3,4,6-Tetrachlorophenol	<	2073	2073
1,2,4-Trichlorobenzene	<	402	402
2,4,5-Trichlorophenol	<	2073	2073
2,4,6-Trichlorophenol	<	402	402

Surrogate Recoveries		Range
2-Fluorophenol	82.0 %	25 - 121
Phenol-d5	76.3 %	24 - 113
Nitrobenzene-d5	76.1 %	23 - 120
2-Fluorobiphenyl	81.8 %	30 - 115
2,4,6-Tribromophenol	83.7 %	19 - 122
4-Terphenyl-d14	101.6 %	18 - 137

Percent Solids	82 %

Approved by: _____

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950719-FW-IW-SL0020
Control No.: 82685
Prep Date: 7/24/95
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 7:25PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	733	733
Acenaphthylene	<	733	733
Anthracene	<	733	733
Benzo(a)anthracene	<	733	733
Benzo(b)fluoranthene	<	733	733
Benzo(k)fluoranthene	<	733	733
Benzo(g,h,i)perylene	<	733	733
Benzo(a)pyrene	<	733	733
Benzyl alcohol	<	733	733
bis(2-Chloroethoxy)methane	<	733	733
bis(2-Chloroethyl)ether	<	733	733
bis(2-Chloroisopropyl)ether	<	733	733
bis(2-Ethylhexyl)phthalate		1380	733
4-Bromophenyl phenyl ether	<	733	733
p-Chloroaniline	<	1467	1467
4-Chloro-3-methylphenol	<	733	733
2-Chloronaphthalene	<	733	733
2-Chlorophenol	<	733	733
4-Chlorophenylphenyl ether	<	733	733
Chrysene	<	733	733
Dibenz(a,h)anthracene	<	733	733
Dibenzofuran	<	733	733
Di-n-butylphthalate		1373	733
1,2-Dichlorobenzene	<	733	733
1,3-Dichlorobenzene	<	733	733
1,4-Dichlorobenzene	<	733	733
2,4-Dichlorophenol	<	733	733
2,6-Dichlorophenol	<	733	733
Diethylphthalate	<	733	733
3,3'-Dimethylbenzidine	<	3778	3778
2,4-Dimethylphenol	<	733	733
Dimethylphthalate	<	733	733
2,4-Dinitrophenol	<	3778	3778

2,4-Dinitrotoluene	<	733	733
2,6-Dinitrotoluene	<	733	733
Di-n-octylphthalate	<	733	733
Fluoranthene	<	733	733
Fluorene	<	733	733
Hexachlorobenzene	<	733	733
Hexachlorobutadiene	<	733	733
Hexachlorocyclopentadiene	<	733	733
Hexachloroethane	<	733	733
Indeno(1,2,3-cd)pyrene	<	733	733
Isophorone	<	733	733
2-Methyl-4,6-dinitrophenol	<	3778	3778
2-Methylnaphthalene	<	733	733
2-Methylphenol (o-cresol)	<	733	733
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	733	733
Naphthalene	<	733	733
2-Nitroaniline	<	3778	3778
3-Nitroaniline	<	3778	3778
4-Nitroaniline	<	3778	3778
Nitrobenzene	<	733	733
2-Nitrophenol	<	733	733
4-Nitrophenol	<	3778	3778
N-Nitrosodimethylamine	<	733	733
n-Nitrosodi-n-propylamine	<	733	733
Pentachlorophenol	<	3778	3778
Phenanthrene	<	733	733
Phenol	<	733	733
Pyrene	<	733	733
Pyridine	<	733	733
2,3,4,6-Tetrachlorophenol	<	3778	3778
1,2,4-Trichlorobenzene	<	733	733
2,4,5-Trichlorophenol	<	3778	3778
2,4,6-Trichlorophenol	<	733	733

Surrogate Recoveries		Range
2-Fluorophenol	61.1 %	25 - 121
Phenol-d5	68.3 %	24 - 113
Nitrobenzene-d5	70.6 %	23 - 120
2-Fluorobiphenyl	76.2 %	30 - 115
2,4,6-Tribromophenol	75.6 %	19 - 122
4-Terphenyl-d14	82.4 %	18 - 137

Percent Solids 45 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950719-FW-IW-SL0021
Control No.: 82687
Prep Date: 7/24/95
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 12:25PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	524	524
Acenaphthylene	<	524	524
Anthracene	<	524	524
Benzo(a)anthracene	<	524	524
Benzo(b)fluoranthene	<	524	524
Benzo(k)fluoranthene	<	524	524
Benzo(g,h,i)perylene	<	524	524
Benzo(a)pyrene	<	524	524
Benzyl alcohol	<	524	524
bis(2-Chloroethoxy)methane	<	524	524
bis(2-Chloroethyl)ether	<	524	524
bis(2-Chloroisopropyl)ether	<	524	524
bis(2-Ethylhexyl)phthalate	<	524	524
4-Bromophenyl phenyl ether	<	524	524
p-Chloroaniline	<	1048	1048
4-Chloro-3-methylphenol	<	524	524
2-Chloronaphthalene	<	524	524
2-Chlorophenol	<	524	524
4-Chlorophenylphenyl ether	<	524	524
Chrysene	<	524	524
Dibenz(a,h)anthracene	<	524	524
Dibenzofuran	<	524	524
Di-n-butylphthalate	<	524	524
1,2-Dichlorobenzene	<	524	524
1,3-Dichlorobenzene	<	524	524
1,4-Dichlorobenzene	<	524	524
2,4-Dichlorophenol	<	524	524
2,6-Dichlorophenol	<	524	524
Diethylphthalate	<	524	524
3,3'-Dimethylbenzidine	<	2698	2698
2,4-Dimethylphenol	<	524	524
Dimethylphthalate	<	524	524
2,4-Dinitrophenol	<	2698	2698

2,4-Dinitrotoluene	<	524	524
2,6-Dinitrotoluene	<	524	524
Di-n-octylphthalate	<	524	524
Fluoranthene	<	524	524
Fluorene	<	524	524
Hexachlorobenzene	<	524	524
Hexachlorobutadiene	<	524	524
Hexachlorocyclopentadiene	<	524	524
Hexachloroethane	<	524	524
Indeno(1,2,3-cd)pyrene	<	524	524
Isophorone	<	524	524
2-Methyl-4,6-dinitrophenol	<	2698	2698
2-Methylnaphthalene	<	524	524
2-Methylphenol (o-cresol)	<	524	524
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	524	524
Naphthalene	<	524	524
2-Nitroaniline	<	2698	2698
3-Nitroaniline	<	2698	2698
4-Nitroaniline	<	2698	2698
Nitrobenzene	<	524	524
2-Nitrophenol	<	524	524
4-Nitrophenol	<	2698	2698
N-Nitrosodimethylamine	<	524	524
n-Nitrosodi-n-propylamine	<	524	524
Pentachlorophenol	<	2698	2698
Phenanthrene	<	524	524
Phenol	<	524	524
Pyrene	<	524	524
Pyridine	<	524	524
2,3,4,6-Tetrachlorophenol	<	2698	2698
1,2,4-Trichlorobenzene	<	524	524
2,4,5-Trichlorophenol	<	2698	2698
2,4,6-Trichlorophenol	<	524	524

Surrogate Recoveries		Range
2-Fluorophenol	28.2 %	25 - 121
Phenol-d5	31.1 %	24 - 113
Nitrobenzene-d5	31.7 %	23 - 120
2-Fluorobiphenyl	35.2 %	30 - 115
2,4,6-Tribromophenol	35.2 %	19 - 122
4-Terphenyl-d14	39.9 %	18 - 137

Percent Solids	63 %

Approved by: Jay Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0022
Control No.: 82798
Prep Date: 8/3/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyst: Joseph F. Schultz 23-Aug-95 8:30PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	337	337
Acenaphthylene	<	337	337
Anthracene	<	337	337
Benzo(a)anthracene	<	337	337
Benzo(b)fluoranthene	<	337	337
Benzo(k)fluoranthene	<	337	337
Benzo(g,h,i)perylene	<	337	337
Benzo(a)pyrene	<	337	337
Benzyl alcohol	<	337	337
bis(2-Chloroethoxy)methane	<	337	337
bis(2-Chloroethyl)ether	<	337	337
bis(2-Chloroisopropyl)ether	<	337	337
bis(2-Ethylhexyl)phthalate		598	337
4-Bromophenyl phenyl ether	<	337	337
p-Chloroaniline	<	673	673
4-Chloro-3-methylphenol	<	337	337
2-Chloronaphthalene	<	337	337
2-Chlorophenol	<	337	337
4-Chlorophenylphenyl ether	<	337	337
Chrysene	<	337	337
Dibenz(a,h)anthracene	<	337	337
Dibenzofuran	<	337	337
Di-n-butylphthalate		4328	337
1,2-Dichlorobenzene	<	337	337
1,3-Dichlorobenzene	<	337	337
1,4-Dichlorobenzene	<	337	337
2,4-Dichlorophenol	<	337	337
2,6-Dichlorophenol	<	337	337
Diethylphthalate	<	337	337
3,3'-Dimethylbenzidine	<	1735	1735
2,4-Dimethylphenol	<	337	337
Dimethylphthalate	<	337	337

2,4-Dinitrophenol	<	1735	1735
2,4-Dinitrotoluene	<	337	337
2,6-Dinitrotoluene	<	337	337
Di-n-octylphthalate	<	337	337
Fluoranthene	<	337	337
Fluorene	<	337	337
Hexachlorobenzene	<	337	337
Hexachlorobutadiene	<	337	337
Hexachlorocyclopentadiene	<	337	337
Hexachloroethane	<	337	337
Indeno(1,2,3-cd)pyrene	<	337	337
Isophorone	<	337	337
2-Methyl-4,6-dinitrophenol	<	1735	1735
2-Methylnaphthalene	<	337	337
2-Methylphenol (o-cresol)	<	337	337
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	337	337
Naphthalene	<	337	337
2-Nitroaniline	<	1735	1735
3-Nitroaniline	<	1735	1735
4-Nitroaniline	<	1735	1735
Nitrobenzene	<	337	337
2-Nitrophenol	<	337	337
4-Nitrophenol	<	1735	1735
N-Nitrosodimethylamine	<	337	337
n-Nitrosodi-n-propylamine	<	337	337
Pentachlorophenol	<	1735	1735
Phenanthrene	<	337	337
Phenol	<	337	337
Pyrene	<	337	337
Pyridine	<	337	337
2,3,4,6-Tetrachlorophenol	<	1735	1735
1,2,4-Trichlorobenzene	<	337	337
2,4,5-Trichlorophenol	<	1735	1735
2,4,6-Trichlorophenol	<	337	337

Surrogate Recoveries		Range
2-Fluorophenol	58.0 %	25 - 121
Phenol-d5	64.8 %	24 - 113
Nitrobenzene-d5	56.6 %	23 - 120
2-Fluorobiphenyl	70.4 %	30 - 115
2,4,6-Tribromophenol	53.9 %	19 - 122
4-Terphenyl-d14	83.2 %	18 - 137
Percent Solids	98 %	

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0023
Control No.: 82800
Prep Date: 8/3/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 23-Aug-95 9:23PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	331	331
Acenaphthylene	<	331	331
Anthracene	<	331	331
Benzo(a)anthracene	<	331	331
Benzo(b)fluoranthene	<	331	331
Benzo(k)fluoranthene	<	331	331
Benzo(g,h,i)perylene	<	331	331
Benzo(a)pyrene	<	331	331
Benzyl alcohol	<	331	331
bis(2-Chloroethoxy)methane	<	331	331
bis(2-Chloroethyl)ether	<	331	331
bis(2-Chloroisopropyl)ether	<	331	331
bis(2-Ethylhexyl)phthalate	<	331	331
4-Bromophenyl phenyl ether	<	331	331
p-Chloroaniline	<	662	662
4-Chloro-3-methylphenol	<	331	331
2-Chloronaphthalene	<	331	331
2-Chlorophenol	<	331	331
4-Chlorophenylphenyl ether	<	331	331
Chrysene	<	331	331
Dibenz(a,h)anthracene	<	331	331
Dibenzofuran	<	331	331
Di-n-butylphthalate		2179	331
1,2-Dichlorobenzene	<	331	331
1,3-Dichlorobenzene	<	331	331
1,4-Dichlorobenzene	<	331	331
2,4-Dichlorophenol	<	331	331
2,6-Dichlorophenol	<	331	331
Diethylphthalate	<	331	331
3,3'-Dimethylbenzidine	<	1705	1705
2,4-Dimethylphenol	<	331	331
Dimethylphthalate	<	331	331

2,4-Dinitrophenol	<	1705	1705
2,4-Dinitrotoluene	<	331	331
2,6-Dinitrotoluene	<	331	331
Di-n-octylphthalate	<	331	331
Fluoranthene	<	331	331
Fluorene	<	331	331
Hexachlorobenzene	<	331	331
Hexachlorobutadiene	<	331	331
Hexachlorocyclopentadiene	<	331	331
Hexachloroethane	<	331	331
Indeno(1,2,3-cd)pyrene	<	331	331
Isophorone	<	331	331
2-Methyl-4,6-dinitrophenol	<	1705	1705
2-Methylnaphthalene	<	331	331
2-Methylphenol (o-cresol)	<	331	331
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	331	331
Naphthalene	<	331	331
2-Nitroaniline	<	1705	1705
3-Nitroaniline	<	1705	1705
4-Nitroaniline	<	1705	1705
Nitrobenzene	<	331	331
2-Nitrophenol	<	331	331
4-Nitrophenol	<	1705	1705
N-Nitrosodimethylamine	<	331	331
n-Nitrosodi-n-propylamine	<	331	331
Pentachlorophenol	<	1705	1705
Phenanthrene	<	331	331
Phenol	<	331	331
Pyrene	<	331	331
Pyridine	<	331	331
2,3,4,6-Tetrachlorophenol	<	1705	1705
1,2,4-Trichlorobenzene	<	331	331
2,4,5-Trichlorophenol	<	1705	1705
2,4,6-Trichlorophenol	<	331	331

Surrogate Recoveries		Range
2-Fluorophenol	61.1 %	25 - 121
Phenol-d5	67.9 %	24 - 113
Nitrobenzene-d5	59.8 %	23 - 120
2-Fluorobiphenyl	70.7 %	30 - 115
2,4,6-Tribromophenol	63.4 %	19 - 122
4-Terphenyl-d14	87.3 %	18 - 137

Percent Solids	99.7 %

Approved by: Jerry Hamsatto

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0024S
Control No.: 82803
Prep Date: 8/3/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 25-Aug-95 12:01AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	500	500
Acenaphthylene	<	500	500
Anthracene	<	500	500
Benzo(a)anthracene	<	500	500
Benzo(b)fluoranthene		530	500
Benzo(k)fluoranthene		571	500
Benzo(g,h,i)perylene	<	500	500
Benzo(a)pyrene	<	500	500
Benzyl alcohol	<	500	500
bis(2-Chloroethoxy)methane	<	500	500
bis(2-Chloroethyl)ether	<	500	500
bis(2-Chloroisopropyl)ether	<	500	500
bis(2-Ethylhexyl)phthalate	<	500	500
4-Bromophenyl phenyl ether	<	500	500
p-Chloroaniline	<	1000	1000
4-Chloro-3-methylphenol	<	500	500
2-Chloronaphthalene	<	500	500
2-Chlorophenol	<	500	500
4-Chlorophenylphenyl ether	<	500	500
Chrysene	<	500	500
Dibenz(a,h)anthracene	<	500	500
Dibenzofuran	<	500	500
Di-n-butylphthalate		6118	500
1,2-Dichlorobenzene	<	500	500
1,3-Dichlorobenzene	<	500	500
1,4-Dichlorobenzene	<	500	500
2,4-Dichlorophenol	<	500	500
2,6-Dichlorophenol	<	500	500
Diethylphthalate	<	500	500
3,3'-Dimethylbenzidine	<	2576	2576
2,4-Dimethylphenol	<	500	500
Dimethylphthalate	<	500	500

2,4-Dinitrophenol	<	2576	2576
2,4-Dinitrotoluene	<	500	500
2,6-Dinitrotoluene	<	500	500
Di-n-octylphthalate	<	500	500
Fluoranthene	<	500	500
Fluorene	<	500	500
Hexachlorobenzene	<	500	500
Hexachlorobutadiene	<	500	500
Hexachlorocyclopentadiene	<	500	500
Hexachloroethane	<	500	500
Indeno(1,2,3-cd)pyrene	<	500	500
Isophorone	<	500	500
2-Methyl-4,6-dinitrophenol	<	2576	2576
2-Methylnaphthalene	<	500	500
2-Methylphenol (o-cresol)	<	500	500
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	500	500
Naphthalene	<	500	500
2-Nitroaniline	<	2576	2576
3-Nitroaniline	<	2576	2576
4-Nitroaniline	<	2576	2576
Nitrobenzene	<	500	500
2-Nitrophenol	<	500	500
4-Nitrophenol	<	2576	2576
N-Nitrosodimethylamine	<	500	500
n-Nitrosodi-n-propylamine	<	500	500
Pentachlorophenol	<	2576	2576
Phenanthrene	<	500	500
Phenol	<	500	500
Pyrene	<	500	500
Pyridine	<	500	500
2,3,4,6-Tetrachlorophenol	<	2576	2576
1,2,4-Trichlorobenzene	<	500	500
2,4,5-Trichlorophenol	<	2576	2576
2,4,6-Trichlorophenol	<	500	500

Surrogate Recoveries		Range
2-Fluorophenol	61.6 %	25 - 121
Phenol-d5	68.9 %	24 - 113
Nitrobenzene-d5	61.4 %	23 - 120
2-Fluorobiphenyl	71.9 %	30 - 115
2,4,6-Tribromophenol	53.3 %	19 - 122
4-Terphenyl-d14	79.7 %	18 - 137

Percent Solids 66 %

Approved by: Jerry Hancastle

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950720-FW-IW-SL0024D
Control No.: 82802
Prep Date: 8/3/95
Sample Date: 7/20/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 25-Aug-95 8:33pm
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	375	375
Acenaphthylene	<	375	375
Anthracene	<	375	375
Benzo(a)anthracene	<	375	375
Benzo(b)fluoranthene	<	375	375
Benzo(k)fluoranthene		439	375
Benzo(g,h,i)perylene	<	375	375
Benzo(a)pyrene	<	375	375
Benzyl alcohol	<	375	375
bis(2-Chloroethoxy)methane	<	375	375
bis(2-Chloroethyl)ether	<	375	375
bis(2-Chloroisopropyl)ether	<	375	375
bis(2-Ethylhexyl)phthalate		408	375
4-Bromophenyl phenyl ether	<	375	375
p-Chloroaniline	<	750	750
4-Chloro-3-methylphenol	<	375	375
2-Chloronaphthalene	<	375	375
2-Chlorophenol	<	375	375
4-Chlorophenylphenyl ether	<	375	375
Chrysene	<	375	375
Dibenz(a,h)anthracene	<	375	375
Dibenzofuran	<	375	375
Di-n-butylphthalate		5363	375
1,2-Dichlorobenzene	<	375	375
1,3-Dichlorobenzene	<	375	375
1,4-Dichlorobenzene	<	375	375
2,4-Dichlorophenol	<	375	375
2,6-Dichlorophenol	<	375	375
Diethylphthalate	<	375	375
3,3'-Dimethylbenzidine	<	1932	1932
2,4-Dimethylphenol	<	375	375
Dimethylphthalate	<	375	375

P-24D

2,4-Dinitrophenol	<	1932	1932
2,4-Dinitrotoluene	<	375	375
2,6-Dinitrotoluene	<	375	375
Di-n-octylphthalate	<	375	375
Fluoranthene	<	375	375
Fluorene	<	375	375
Hexachlorobenzene	<	375	375
Hexachlorobutadiene	<	375	375
Hexachlorocyclopentadiene	<	375	375
Hexachloroethane	<	375	375
Indeno(1,2,3-cd)pyrene	<	375	375
Isophorone	<	375	375
2-Methyl-4,6-dinitrophenol	<	1932	1932
2-Methylnaphthalene	<	375	375
2-Methylphenol (o-cresol)	<	375	375
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	375	375
Naphthalene	<	375	375
2-Nitroaniline	<	1932	1932
3-Nitroaniline	<	1932	1932
4-Nitroaniline	<	1932	1932
Nitrobenzene	<	375	375
2-Nitrophenol	<	375	375
4-Nitrophenol	<	1932	1932
N-Nitrosodimethylamine	<	375	375
n-Nitrosodi-n-propylamine	<	375	375
Pentachlorophenol	<	1932	1932
Phenanthrene	<	375	375
Phenol	<	375	375
Pyrene	<	375	375
Pyridine	<	375	375
2,3,4,6-Tetrachlorophenol	<	1932	1932
1,2,4-Trichlorobenzene	<	375	375
2,4,5-Trichlorophenol	<	1932	1932
2,4,6-Trichlorophenol	<	375	375

Surrogate Recoveries		Range
2-Fluorophenol	92.8 %	25 - 121
Phenol-d5	97.9 %	24 - 113
Nitrobenzene-d5	82.6 %	23 - 120
2-Fluorobiphenyl	88.9 %	30 - 115
2,4,6-Tribromophenol	77.0 %	19 - 122
4-Terphenyl-d14	104.8 %	18 - 137
Percent Solids	88 %	-

Approved by: Jerry Hancock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0025
Control No.: 82638
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 11:36
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	384	384
Acenaphthylene	<	384	384
Anthracene	<	384	384
Benzo(a)anthracene	<	384	384
Benzo(b)fluoranthene	<	384	384
Benzo(k)fluoranthene	<	384	384
Benzo(g,h,i)perylene	<	384	384
Benzo(a)pyrene	<	384	384
Benzyl alcohol	<	384	384
bis(2-Chloroethoxy)methane	<	384	384
bis(2-Chloroethyl)ether	<	384	384
bis(2-Chloroisopropyl)ether	<	384	384
bis(2-Ethylhexyl)phthalate	<	384	384
4-Bromophenyl phenyl ether	<	384	384
p-Chloroaniline	<	767	767
4-Chloro-3-methylphenol	<	384	384
2-Chloronaphthalene	<	384	384
2-Chlorophenol	<	384	384
4-Chlorophenylphenyl ether	<	384	384
Chrysene	<	384	384
Dibenz(a,h)anthracene	<	384	384
Dibenzofuran	<	384	384
Di-n-butylphthalate		4324	384
1,2-Dichlorobenzene	<	384	384
1,3-Dichlorobenzene	<	384	384
1,4-Dichlorobenzene	<	384	384
2,4-Dichlorophenol	<	384	384
2,6-Dichlorophenol	<	384	384
Diethylphthalate	<	384	384
3,3'-Dimethylbenzidine	<	1977	1977
2,4-Dimethylphenol	<	384	384
Dimethylphthalate	<	384	384
2,4-Dinitrophenol	<	1977	1977

2,4-Dinitrotoluene	<	384	384
2,6-Dinitrotoluene	<	384	384
Di-n-octylphthalate	<	384	384
Fluoranthene	<	384	384
Fluorene	<	384	384
Hexachlorobenzene	<	384	384
Hexachlorobutadiene	<	384	384
Hexachlorocyclopentadiene	<	384	384
Hexachloroethane	<	384	384
Indeno(1,2,3-cd)pyrene	<	384	384
Isophorone	<	384	384
2-Methyl-4,6-dinitrophenol	<	1977	1977
2-Methylnaphthalene	<	384	384
2-Methylphenol (o-cresol)	<	384	384
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	384	384
Naphthalene	<	384	384
2-Nitroaniline	<	1977	1977
3-Nitroaniline	<	1977	1977
4-Nitroaniline	<	1977	1977
Nitrobenzene	<	384	384
2-Nitrophenol	<	384	384
4-Nitrophenol	<	1977	1977
N-Nitrosodimethylamine	<	384	384
n-Nitrosodi-n-propylamine	<	384	384
Pentachlorophenol	<	1977	1977
Phenanthrene	<	384	384
Phenol	<	384	384
Pyrene	<	384	384
Pyridine	<	384	384
2,3,4,6-Tetrachlorophenol	<	1977	1977
1,2,4-Trichlorobenzene	<	384	384
2,4,5-Trichlorophenol	<	1977	1977
2,4,6-Trichlorophenol	<	384	384

Surrogate Recoveries		Range
2-Fluorophenol	36.4 %	25 - 121
Phenol-d5	38.0 %	24 - 113
Nitrobenzene-d5	34.4 %	23 - 120
2-Fluorobiphenyl	35.5 %	30 - 115
2,4,6-Tribromophenol	37.6 %	19 - 122
4-Terphenyl-d14	38.1 %	18 - 137

Percent Solids 86 %

Approved by: Jay Hancock

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950711-FW-IW-SL0026
Control No.: 82392
Prep Date: 7/18/95
Sample Date: 7/11/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 12:35PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	398	398
Acenaphthylene	<	398	398
Anthracene	<	398	398
Benzo(a)anthracene	<	398	398
Benzo(b)fluoranthene	<	398	398
Benzo(k)fluoranthene	<	398	398
Benzo(g,h,i)perylene	<	398	398
Benzo(a)pyrene	<	398	398
Benzyl alcohol	<	398	398
bis(2-Chloroethoxy)methane	<	398	398
bis(2-Chloroethyl)ether	<	398	398
bis(2-Chloroisopropyl)ether	<	398	398
bis(2-Ethylhexyl)phthalate	<	398	398
4-Bromophenyl phenyl ether	<	398	398
p-Chloroaniline	<	795	795
4-Chloro-3-methylphenol	<	398	398
2-Chloronaphthalene	<	398	398
2-Chlorophenol	<	398	398
4-Chlorophenylphenyl ether	<	398	398
Chrysene	<	398	398
Dibenz(a,h)anthracene	<	398	398
Dibenzofuran	<	398	398
Di-n-butylphthalate	<	398	398
1,2-Dichlorobenzene	<	398	398
1,3-Dichlorobenzene	<	398	398
1,4-Dichlorobenzene	<	398	398
2,4-Dichlorophenol	<	398	398
2,6-Dichlorophenol	<	398	398
Diethylphthalate	<	398	398
3,3'-Dimethylbenzidine	<	2048	2048
2,4-Dimethylphenol	<	398	398
Dimethylphthalate	<	398	398

2,4-Dinitrophenol	<	2048	2048
2,4-Dinitrotoluene	<	398	398
2,6-Dinitrotoluene	<	398	398
Di-n-octylphthalate	<	398	398
Fluoranthene	<	398	398
Fluorene	<	398	398
Hexachlorobenzene	<	398	398
Hexachlorobutadiene	<	398	398
Hexachlorocyclopentadiene	<	398	398
Hexachloroethane	<	398	398
Indeno(1,2,3-cd)pyrene	<	398	398
Isophorone	<	398	398
2-Methyl-4,6-dinitrophenol	<	2048	2048
2-Methylnaphthalene	<	398	398
2-Methylphenol (o-cresol)	<	398	398
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	398	398
Naphthalene	<	398	398
2-Nitroaniline	<	2048	2048
3-Nitroaniline	<	2048	2048
4-Nitroaniline	<	2048	2048
Nitrobenzene	<	398	398
2-Nitrophenol	<	398	398
4-Nitrophenol	<	2048	2048
N-Nitrosodimethylamine	<	398	398
n-Nitrosodi-n-propylamine	<	398	398
Pentachlorophenol	<	2048	2048
Phenanthrene	<	398	398
Phenol	<	398	398
Pyrene	<	398	398
Pyridine	<	398	398
2,3,4,6-Tetrachlorophenol	<	2048	2048
1,2,4-Trichlorobenzene	<	398	398
2,4,5-Trichlorophenol	<	2048	2048
2,4,6-Trichlorophenol	<	398	398

Surrogate Recoveries		Range
2-Fluorophenol	71.4 %	25 - 121
Phenol-d5	64.3 %	24 - 113
Nitrobenzene-d5	62.2 %	23 - 120
2-Fluorobiphenyl	68.1 %	30 - 115
2,4,6-Tribromophenol	82.1 %	19 - 122
4-Terphenyl-d14	88.0 %	18 - 137

Percent Solids 83 %

Approved by:

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950713-FW-IW-SL0027
Control No.: 82517
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 1:23PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	371	371
Acenaphthylene	<	371	371
Anthracene	<	371	371
Benzo(a)anthracene	<	371	371
Benzo(b)fluoranthene	<	371	371
Benzo(k)fluoranthene	<	371	371
Benzo(g,h,i)perylene	<	371	371
Benzo(a)pyrene	<	371	371
Benzyl alcohol	<	371	371
bis(2-Chloroethoxy)methane	<	371	371
bis(2-Chloroethyl)ether	<	371	371
bis(2-Chloroisopropyl)ether	<	371	371
bis(2-Ethylhexyl)phthalate	<	371	371
4-Bromophenyl phenyl ether	<	371	371
p-Chloroaniline	<	742	742
4-Chloro-3-methylphenol	<	371	371
2-Chloronaphthalene	<	371	371
2-Chlorophenol	<	371	371
4-Chlorophenylphenyl ether	<	371	371
Chrysene	<	371	371
Dibenz(a,h)anthracene	<	371	371
Dibenzofuran	<	371	371
Di-n-butylphthalate	<	371	371
1,2-Dichlorobenzene	<	371	371
1,3-Dichlorobenzene	<	371	371
1,4-Dichlorobenzene	<	371	371
2,4-Dichlorophenol	<	371	371
2,6-Dichlorophenol	<	371	371
Diethylphthalate	<	371	371
3,3'-Dimethylbenzidine	<	1910	1910
2,4-Dimethylphenol	<	371	371
Dimethylphthalate	<	371	371

2,4-Dinitrophenol	<	1910	1910
2,4-Dinitrotoluene	<	371	371
2,6-Dinitrotoluene	<	371	371
Di-n-octylphthalate	<	371	371
Fluoranthene	<	371	371
Fluorene	<	371	371
Hexachlorobenzene	<	371	371
Hexachlorobutadiene	<	371	371
Hexachlorocyclopentadiene	<	371	371
Hexachloroethane	<	371	371
Indeno(1,2,3-cd)pyrene	<	371	371
Isophorone	<	371	371
2-Methyl-4,6-dinitrophenol	<	1910	1910
2-Methylnaphthalene	<	371	371
2-Methylphenol (o-cresol)	<	371	371
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	371	371
Naphthalene	<	371	371
2-Nitroaniline	<	1910	1910
3-Nitroaniline	<	1910	1910
4-Nitroaniline	<	1910	1910
Nitrobenzene	<	371	371
2-Nitrophenol	<	371	371
4-Nitrophenol	<	1910	1910
N-Nitrosodimethylamine	<	371	371
n-Nitrosodi-n-propylamine	<	371	371
Pentachlorophenol	<	1910	1910
Phenanthrene	<	371	371
Phenol	<	371	371
Pyrene	<	371	371
Pyridine	<	371	371
2,3,4,6-Tetrachlorophenol	<	1910	1910
1,2,4-Trichlorobenzene	<	371	371
2,4,5-Trichlorophenol	<	1910	1910
2,4,6-Trichlorophenol	<	371	371

Surrogate Recoveries		Range
2-Fluorophenol	76.8 %	25 - 121
Phenol-d5	72.1 %	24 - 113
Nitrobenzene-d5	70.8 %	23 - 120
2-Fluorobiphenyl	77.5 %	30 - 115
2,4,6-Tribromophenol	79.7 %	19 - 122
4-Terphenyl-d14	94.3 %	18 - 137

Percent Solids	89 %

Approved by:

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/29/95
ID number : 950814-FW-IW-SL0028S
Control No.: 83709
Prep Date: 8/4/95
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 29-Aug-95 3:20PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	835	835
Acenaphthylene	<	835	835
Anthracene	<	835	835
Benzo(a)anthracene	<	835	835
Benzo(b)fluoranthene	<	835	835
Benzo(k)fluoranthene	<	835	835
Benzo(g,h,i)perylene	<	835	835
Benzo(a)pyrene	<	835	835
Benzyl alcohol	<	835	835
bis(2-Chloroethoxy)methane	<	835	835
bis(2-Chloroethyl)ether	<	835	835
bis(2-Chloroisopropyl)ether	<	835	835
bis(2-Ethylhexyl)phthalate	<	835	835
4-Bromophenyl phenyl ether	<	835	835
p-Chloroaniline	<	1671	1671
4-Chloro-3-methylphenol	<	835	835
2-Chloronaphthalene	<	835	835
2-Chlorophenol	<	835	835
4-Chlorophenylphenyl ether	<	835	835
Chrysene	<	835	835
Dibenz(a,h)anthracene	<	835	835
Dibenzofuran	<	835	835
Di-n-butylphthalate	<	835	835
1,2-Dichlorobenzene	<	835	835
1,3-Dichlorobenzene	<	835	835
1,4-Dichlorobenzene	<	835	835
2,4-Dichlorophenol	<	835	835
2,6-Dichlorophenol	<	835	835
Diethylphthalate	<	835	835
3,3'-Dimethylbenzidine	<	4304	4304
2,4-Dimethylphenol	<	835	835
Dimethylphthalate	<	835	835

2,4-Dinitrophenol	<	4304	4304
2,4-Dinitrotoluene	<	835	835
2,6-Dinitrotoluene	<	835	835
Di-n-octylphthalate	<	835	835
Fluoranthene	<	835	835
Fluorene	<	835	835
Hexachlorobenzene	<	835	835
Hexachlorobutadiene	<	835	835
Hexachlorocyclopentadiene	<	835	835
Hexachloroethane	<	835	835
Indeno(1,2,3-cd)pyrene	<	835	835
Isophorone	<	835	835
2-Methyl-4,6-dinitrophenol	<	4304	4304
2-Methylnaphthalene	<	835	835
2-Methylphenol (o-cresol)	<	835	835
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	835	835
Naphthalene	<	835	835
2-Nitroaniline	<	4304	4304
3-Nitroaniline	<	4304	4304
4-Nitroaniline	<	4304	4304
Nitrobenzene	<	835	835
2-Nitrophenol	<	835	835
4-Nitrophenol	<	4304	4304
N-Nitrosodimethylamine	<	835	835
n-Nitrosodi-n-propylamine	<	835	835
Pentachlorophenol	<	4304	4304
Phenanthrene	<	835	835
Phenol	<	835	835
Pyrene	<	835	835
Pyridine	<	835	835
2,3,4,6-Tetrachlorophenol	<	4304	4304
1,2,4-Trichlorobenzene	<	835	835
2,4,5-Trichlorophenol	<	4304	4304
2,4,6-Trichlorophenol	<	835	835

Surrogate Recoveries		Range
2-Fluorophenol	44.7 %	25 - 121
Phenol-d5	68.4 %	24 - 113
Nitrobenzene-d5	66.9 %	23 - 120
2-Fluorobiphenyl	84.4 %	30 - 115
2,4,6-Tribromophenol	39.7 %	19 - 122
4-Terphenyl-d14	103.0 %	18 - 137

Percent Solids	79 %

Approved by:

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/29/95
ID number : 950814-FW-IW-SL0028D
Control No.: 83711
Prep Date: 8/21/95
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 29-Aug-95 6:00 PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	418	418
Acenaphthylene	<	418	418
Anthracene	<	418	418
Benzo(a)anthracene	<	418	418
Benzo(b)fluoranthene	<	418	418
Benzo(k)fluoranthene	<	418	418
Benzo(g,h,i)perylene	<	418	418
Benzo(a)pyrene	<	418	418
Benzyl alcohol	<	418	418
bis(2-Chloroethoxy)methane	<	418	418
bis(2-Chloroethyl)ether	<	418	418
bis(2-Chloroisopropyl)ether	<	418	418
bis(2-Ethylhexyl)phthalate	<	418	418
4-Bromophenyl phenyl ether	<	418	418
p-Chloroaniline	<	835	835
4-Chloro-3-methylphenol	<	418	418
2-Chloronaphthalene	<	418	418
2-Chlorophenol	<	418	418
4-Chlorophenylphenyl ether	<	418	418
Chrysene	<	418	418
Dibenz(a,h)anthracene	<	418	418
Dibenzofuran	<	418	418
Di-n-butylphthalate		827	418
1,2-Dichlorobenzene	<	418	418
1,3-Dichlorobenzene	<	418	418
1,4-Dichlorobenzene	<	418	418
2,4-Dichlorophenol	<	418	418
2,6-Dichlorophenol	<	418	418
Diethylphthalate	<	418	418
3,3'-Dimethylbenzidine	<	2152	2152
2,4-Dimethylphenol	<	418	418
Dimethylphthalate	<	418	418
2,4-Dinitrophenol	<	2152	2152

2,4-Dinitrotoluene	<	418	418
2,6-Dinitrotoluene	<	418	418
Di-n-octylphthalate	<	418	418
Fluoranthene	<	418	418
Fluorene	<	418	418
Hexachlorobenzene	<	418	418
Hexachlorobutadiene	<	418	418
Hexachlorocyclopentadiene	<	418	418
Hexachloroethane	<	418	418
Indeno(1,2,3-cd)pyrene	<	418	418
Isophorone	<	418	418
2-Methyl-4,6-dinitrophenol	<	2152	2152
2-Methylnaphthalene	<	418	418
2-Methylphenol (o-cresol)	<	418	418
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	418	418
Naphthalene	<	418	418
2-Nitroaniline	<	2152	2152
3-Nitroaniline	<	2152	2152
4-Nitroaniline	<	2152	2152
Nitrobenzene	<	418	418
2-Nitrophenol	<	418	418
4-Nitrophenol	<	2152	2152
N-Nitrosodimethylamine	<	418	418
n-Nitrosodi-n-propylamine	<	418	418
Pentachlorophenol	<	2152	2152
Phenanthrene	<	418	418
Phenol	<	418	418
Pyrene	<	418	418
Pyridine	<	418	418
2,3,4,6-Tetrachlorophenol	<	2152	2152
1,2,4-Trichlorobenzene	<	418	418
2,4,5-Trichlorophenol	<	2152	2152
2,4,6-Trichlorophenol	<	418	418

Surrogate Recoveries		Range
2-Fluorophenol	35.7 %	25 - 121
Phenol-d5	25.5 %	24 - 113
Nitrobenzene-d5	48.1 %	23 - 120
2-Fluorobiphenyl	55.2 %	30 - 115
2,4,6-Tribromophenol	45.9 %	19 - 122
4-Terphenyl-d14	53.1 %	18 - 137

Percent Solids	79 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950810-FW-IW-SL0029
Control No.: 83590
Prep Date: 8/15/95
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 26-Aug-95 1:00AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	347	347
Acenaphthylene	<	347	347
Anthracene	<	347	347
Benzo(a)anthracene	<	347	347
Benzo(b)fluoranthene	<	347	347
Benzo(k)fluoranthene	<	347	347
Benzo(g,h,i)perylene	<	347	347
Benzo(a)pyrene	<	347	347
Benzyl alcohol	<	347	347
bis(2-Chloroethoxy)methane	<	347	347
bis(2-Chloroethyl)ether	<	347	347
bis(2-Chloroisopropyl)ether	<	347	347
bis(2-Ethylhexyl)phthalate		609	347
4-Bromophenyl phenyl ether	<	347	347
p-Chloroaniline	<	695	695
4-Chloro-3-methylphenol	<	347	347
2-Chloronaphthalene	<	347	347
2-Chlorophenol	<	347	347
4-Chlorophenylphenyl ether	<	347	347
Chrysene	<	347	347
Dibenz(a,h)anthracene	<	347	347
Dibenzofuran	<	347	347
Di-n-butylphthalate		4168	347
1,2-Dichlorobenzene	<	347	347
1,3-Dichlorobenzene	<	347	347
1,4-Dichlorobenzene	<	347	347
2,4-Dichlorophenol	<	347	347
2,6-Dichlorophenol	<	347	347
Diethylphthalate	<	347	347
3,3'-Dimethylbenzidine	<	1789	1789
2,4-Dimethylphenol	<	347	347
Dimethylphthalate	<	347	347

2,4-Dinitrophenol	<	1789	1789
2,4-Dinitrotoluene	<	347	347
2,6-Dinitrotoluene	<	347	347
Di-n-octylphthalate	<	347	347
Fluoranthene	<	347	347
Fluorene	<	347	347
Hexachlorobenzene	<	347	347
Hexachlorobutadiene	<	347	347
Hexachlorocyclopentadiene	<	347	347
Hexachloroethane	<	347	347
Indeno(1,2,3-cd)pyrene	<	347	347
Isophorone	<	347	347
2-Methyl-4,6-dinitrophenol	<	1789	1789
2-Methylnaphthalene	<	347	347
2-Methylphenol (o-cresol)	<	347	347
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	347	347
Naphthalene	<	347	347
2-Nitroaniline	<	1789	1789
3-Nitroaniline	<	1789	1789
4-Nitroaniline	<	1789	1789
Nitrobenzene	<	347	347
2-Nitrophenol	<	347	347
4-Nitrophenol	<	1789	1789
N-Nitrosodimethylamine	<	347	347
n-Nitrosodi-n-propylamine	<	347	347
Pentachlorophenol	<	1789	1789
Phenanthrene	<	347	347
Phenol	<	347	347
Pyrene	<	347	347
Pyridine	<	347	347
2,3,4,6-Tetrachlorophenol	<	1789	1789
1,2,4-Trichlorobenzene	<	347	347
2,4,5-Trichlorophenol	<	1789	1789
2,4,6-Trichlorophenol	<	347	347

Surrogate Recoveries		Range
2-Fluorophenol	55.4 %	25 - 121
Phenol-d5	56.3 %	24 - 113
Nitrobenzene-d5	50.4 %	23 - 120
2-Fluorobiphenyl	56.0 %	30 - 115
2,4,6-Tribromophenol	39.9 %	19 - 122
4-Terphenyl-d14	56.1 %	18 - 137

Percent Solids	95 %

Approved by: Jerry Hamrick

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/29/95
ID number : 950810-FW-IW-SL0030
Control No.: 83592
Prep Date: 8/15/95
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 29-Aug-95 11:20AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	458	458
Acenaphthylene	<	458	458
Anthracene	<	458	458
Benzo(a)anthracene	<	458	458
Benzo(b)fluoranthene	<	458	458
Benzo(k)fluoranthene	<	458	458
Benzo(g,h,i)perylene	<	458	458
Benzo(a)pyrene	<	458	458
Benzyl alcohol	<	458	458
bis(2-Chloroethoxy)methane	<	458	458
bis(2-Chloroethyl)ether	<	458	458
bis(2-Chloroisopropyl)ether	<	458	458
bis(2-Ethylhexyl)phthalate	<	458	458
4-Bromophenyl phenyl ether	<	458	458
p-Chloroaniline	<	917	917
4-Chloro-3-methylphenol	<	458	458
2-Chloronaphthalene	<	458	458
2-Chlorophenol	<	458	458
4-Chlorophenylphenyl ether	<	458	458
Chrysene	<	458	458
Dibenz(a,h)anthracene	<	458	458
Dibenzofuran	<	458	458
Di-n-butylphthalate		1489	458
1,2-Dichlorobenzene	<	458	458
1,3-Dichlorobenzene	<	458	458
1,4-Dichlorobenzene	<	458	458
2,4-Dichlorophenol	<	458	458
2,6-Dichlorophenol	<	458	458
Diethylphthalate	<	458	458
3,3'-Dimethylbenzidine	<	2361	2361
2,4-Dimethylphenol	<	458	458
Dimethylphthalate	<	458	458

2,4-Dinitrophenol	<	2361	2361
2,4-Dinitrotoluene	<	458	458
2,6-Dinitrotoluene	<	458	458
Di-n-octylphthalate	<	458	458
Fluoranthene	<	458	458
Fluorene	<	458	458
Hexachlorobenzene	<	458	458
Hexachlorobutadiene	<	458	458
Hexachlorocyclopentadiene	<	458	458
Hexachloroethane	<	458	458
Indeno(1,2,3-cd)pyrene	<	458	458
Isophorone	<	458	458
2-Methyl-4,6-dinitrophenol	<	2361	2361
2-Methylnaphthalene	<	458	458
2-Methylphenol (o-cresol)	<	458	458
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	458	458
Naphthalene	<	458	458
2-Nitroaniline	<	2361	2361
3-Nitroaniline	<	2361	2361
4-Nitroaniline	<	2361	2361
Nitrobenzene	<	458	458
2-Nitrophenol	<	458	458
4-Nitrophenol	<	2361	2361
N-Nitrosodimethylamine	<	458	458
n-Nitrosodi-n-propylamine	<	458	458
Pentachlorophenol	<	2361	2361
Phenanthrene	<	458	458
Phenol	<	458	458
Pyrene	<	458	458
Pyridine	<	458	458
2,3,4,6-Tetrachlorophenol	<	2361	2361
1,2,4-Trichlorobenzene	<	458	458
2,4,5-Trichlorophenol	<	2361	2361
2,4,6-Trichlorophenol	<	458	458

Surrogate Recoveries		Range
2-Fluorophenol	56.9 %	25 - 121
Phenol-d5	62.8 %	24 - 113
Nitrobenzene-d5	61.0 %	23 - 120
2-Fluorobiphenyl	75.2 %	30 - 115
2,4,6-Tribromophenol	63.5 %	19 - 122
4-Terphenyl-d14	98.5 %	18 - 137

Percent Solids	72 %

Approved by: Jerry Haworth

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950810-FW-IW-SL0031
Control No.: 83588
Prep Date: 8/15/95
Sample Date: 8/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 26-Aug-95 12:07AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	485	485
Acenaphthylene	<	485	485
Anthracene	<	485	485
Benzo(a)anthracene	<	485	485
Benzo(b)fluoranthene	<	485	485
Benzo(k)fluoranthene	<	485	485
Benzo(g,h,i)perylene	<	485	485
Benzo(a)pyrene	<	485	485
Benzyl alcohol	<	485	485
bis(2-Chloroethoxy)methane	<	485	485
bis(2-Chloroethyl)ether	<	485	485
bis(2-Chloroisopropyl)ether	<	485	485
bis(2-Ethylhexyl)phthalate		1547	485
4-Bromophenyl phenyl ether	<	485	485
p-Chloroaniline	<	971	971
4-Chloro-3-methylphenol	<	485	485
2-Chloronaphthalene	<	485	485
2-Chlorophenol	<	485	485
4-Chlorophenylphenyl ether	<	485	485
Chrysene	<	485	485
Dibenz(a,h)anthracene	<	485	485
Dibenzofuran	<	485	485
Di-n-butylphthalate		3840	485
1,2-Dichlorobenzene	<	485	485
1,3-Dichlorobenzene	<	485	485
1,4-Dichlorobenzene	<	485	485
2,4-Dichlorophenol	<	485	485
2,6-Dichlorophenol	<	485	485
Diethylphthalate	<	485	485
3,3'-Dimethylbenzidine	<	2500	2500
2,4-Dimethylphenol	<	485	485
Dimethylphthalate	<	485	485

2,4-Dinitrophenol	<	2500	2500
2,4-Dinitrotoluene	<	485	485
2,6-Dinitrotoluene	<	485	485
Di-n-octylphthalate	<	485	485
Fluoranthene	<	485	485
Fluorene	<	485	485
Hexachlorobenzene	<	485	485
Hexachlorobutadiene	<	485	485
Hexachlorocyclopentadiene	<	485	485
Hexachloroethane	<	485	485
Indeno(1,2,3-cd)pyrene	<	485	485
Isophorone	<	485	485
2-Methyl-4,6-dinitrophenol	<	2500	2500
2-Methylnaphthalene	<	485	485
2-Methylphenol (o-cresol)	<	485	485
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	485	485
Naphthalene	<	485	485
2-Nitroaniline	<	2500	2500
3-Nitroaniline	<	2500	2500
4-Nitroaniline	<	2500	2500
Nitrobenzene	<	485	485
2-Nitrophenol	<	485	485
4-Nitrophenol	<	2500	2500
N-Nitrosodimethylamine	<	485	485
n-Nitrosodi-n-propylamine	<	485	485
Pentachlorophenol	<	2500	2500
Phenanthrene	<	485	485
Phenol	<	485	485
Pyrene	<	485	485
Pyridine	<	485	485
2,3,4,6-Tetrachlorophenol	<	2500	2500
1,2,4-Trichlorobenzene	<	485	485
2,4,5-Trichlorophenol	<	2500	2500
2,4,6-Trichlorophenol	<	485	485

Surrogate Recoveries		Range
2-Fluorophenol	70.4 %	25 - 121
Phenol-d5	70.0 %	24 - 113
Nitrobenzene-d5	63.2 %	23 - 120
2-Fluorobiphenyl	69.6 %	30 - 115
2,4,6-Tribromophenol	53.4 %	19 - 122
4-Terphenyl-d14	100.2 %	18 - 137

Percent Solids	68 %

Approved by: Jerry Hamrock

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/20/95
ID number : 950814-FW-IW-SL0032
Control No.: 83712
Prep Date: 8/21/95
Sample Date: 8/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 29-Aug-95 6:54PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	446	446
Acenaphthylene	<	446	446
Anthracene	<	446	446
Benzo(a)anthracene		1438	446
Benzo(b)fluoranthene		3191	446
Benzo(k)fluoranthene		4368	446
Benzo(g,h,i)perylene		1742	446
Benzo(a)pyrene		2191	446
Benzyl alcohol	<	446	446
bis(2-Chloroethoxy)methane	<	446	446
bis(2-Chloroethyl)ether	<	446	446
bis(2-Chloroisopropyl)ether	<	446	446
bis(2-Ethylhexyl)phthalate	<	446	446
4-Bromophenyl phenyl ether	<	446	446
p-Chloroaniline	<	892	892
4-Chloro-3-methylphenol	<	446	446
2-Chloronaphthalene	<	446	446
2-Chlorophenol	<	446	446
4-Chlorophenylphenyl ether	<	446	446
Chrysene		1727	446
Dibenz(a,h)anthracene		765	446
Dibenzofuran	<	446	446
Di-n-butylphthalate		1018	446
1,2-Dichlorobenzene	<	446	446
1,3-Dichlorobenzene	<	446	446
1,4-Dichlorobenzene	<	446	446
2,4-Dichlorophenol	<	446	446
2,6-Dichlorophenol	<	446	446
Diethylphthalate	<	446	446
3,3'-Dimethylbenzidine	<	2297	2297
2,4-Dimethylphenol	<	446	446
Dimethylphthalate	<	446	446
2,4-Dinitrophenol	<	2297	2297

2,4-Dinitrotoluene	<	446	446
2,6-Dinitrotoluene	<	446	446
Di-n-octylphthalate	<	446	446
Fluoranthene		1607	446
Fluorene	<	446	446
Hexachlorobenzene	<	446	446
Hexachlorobutadiene	<	446	446
Hexachlorocyclopentadiene	<	446	446
Hexachloroethane	<	446	446
Indeno(1,2,3-cd)pyrene		1511	446
Isophorone	<	446	446
2-Methyl-4,6-dinitrophenol	<	2297	2297
2-Methylnaphthalene	<	446	446
2-Methylphenol (o-cresol)	<	446	446
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	446	446
Naphthalene	<	446	446
2-Nitroaniline	<	2297	2297
3-Nitroaniline	<	2297	2297
4-Nitroaniline	<	2297	2297
Nitrobenzene	<	446	446
2-Nitrophenol	<	446	446
4-Nitrophenol	<	2297	2297
N-Nitrosodimethylamine	<	446	446
n-Nitrosodi-n-propylamine	<	446	446
Pentachlorophenol	<	2297	2297
Phenanthrene		1016	446
Phenol	<	446	446
Pyrene		1592	446
Pyridine	<	446	446
2,3,4,6-Tetrachlorophenol	<	2297	2297
1,2,4-Trichlorobenzene	<	446	446
2,4,5-Trichlorophenol	<	2297	2297
2,4,6-Trichlorophenol	<	446	446

Surrogate Recoveries		Range
2-Fluorophenol	65.4 %	25 - 121
Phenol-d5	72.4 %	24 - 113
Nitrobenzene-d5	47.6 %	23 - 120
2-Fluorobiphenyl	81.3 %	30 - 115
2,4,6-Tribromophenol	63.4 %	19 - 122
4-Terphenyl-d14	88.3 %	18 - 137

Percent Solids 74 %

Approved by: Jay Hancock

NARRATIVE:

A total of 39 soil samples were received for Method 8270 analysis. Appendix I contains a list of samples and the selected analytes. All samples were received in good condition.

SAMPLE RESULTS:

There were 28 samples that had compounds above the detection limit. The samples are:

950710-FW-IW-SL0019S
950718-FW-IW-SL0017
950718-FW-IW-SL0005
950718-FW-IW-SL0007
950719-FW-IW-SL0020
950720-FW-IW-SL0008
950720-FW-IW-SL0013D
950720-FW-IW-SL0001D
950720-FW-IW-SL0016
950720-FW-IW-SL0014
950720-FW-IW-SL0011
950720-FW-IW-SL0010
950720-FW-IW-SL0022
950720-FW-IW-SL0023
950720-FW-IW-SL0024D
950720-FW-IW-SL0024S
950728-FW-IW-SL0004
950728-FW-IW-SL0002
950810-FW-IW-SL0001S
950810-FW-IW-SL0031
950810-FW-IW-SL0029
950810-FW-IW-SL0030
950814-FW-IW-SL0028D
950814-FW-IW-SL0032
950814-FW-IW-SL0013S
950814-FW-IW-SL0000

Three samples were diluted 1:10; 95718-FW-IW-S0017, 950728-FW-IW-SL0003 and 950728-FW-IW-SL002 due to high concentrations of some analytes. Samples 950720-FW-IW-SL0008 and 950720-FW-IW-SL0015 had to be diluted 1:2.

There appears to be some phthalate contamination in the lab. Values were from 10-300 ug/kg in the blanks.

QUALITY ASSURANCE:

Prior to any analysis the mass spec was tuned with DFTPP and all criteria were met for Method 8270. A mid-level calibration standard was run and the system performance check compounds (SPCC) and calibration check compounds (CCC) were monitored. The relative response factors of the SPCC compounds was calculated and compared to minimum acceptable values. For the CCC compounds the percent drift was calculated and the drift percent had to be less than 20 percent. If the SPCC or CCC criteria were not met the calibration curve was recalibrated.

Three matrix spike samples were reported. We could not reprocess the data on the fourth matrix spike. The spiked samples were 950713-FW-IW-0006S, 950720-FW-IW-SL00014 and 950810-FW-IW-SL0001S. The recoveries for the spikes and spike duplicate were within acceptable range. The relative percent difference was below the maximum allowed value.

DETAILS OF METHOD:

Thirty grams of soil was weighed out into a 400 ml beaker. Anhydrous sodium sulfate was added and mixed with the soil. One milliliter of surrogate solution and 100 ml of 1:1 methylene chloride:acetone was added. The sample was sonicated for 10 minutes. The sample was filtered and the extraction was repeated two more times. The extracts were combined in a 500 ml K.D. flask and concentrated to 1 ml. The extract was analyzed using Hewlett Packard 5890 gas chromatography with a 25 meter Ultra II column 0.22 mm x 0.33 mm, with a 5971A mass selection detector. Data was processed using Hewlett Packard EnviroQuant software.

SUMMARY:

Being the Q.C. requirements were met for the method, the test results are acceptable.

Laboratory Manager

REPROCESSED DATA

All samples were extracted and analyzed within holding times. The data was reprocessed to change the reporting units. Note, the date change in "Quant Time" is the day the data was reprocessed, and the "Acq On" is the date the sample was analyzed. Three samples could not be reprocessed because their data files would not reload. The files were on August 29, 1995. The blank and control numbers 83592 and 83711 were manually calculated.

Organic Manager

Lab Manager

APPENDIX I

ANALYTES

Compounds	Detection Limit - ug/Kg
Acenaphthene	330
Acenaphthylene	330
Anthracene	330
Benzo(a)anthracene	330
Benzo(b)fluoranthene	330
Benzo(k)fluoranthene	330
Benzo(g,h,i)perylene	330
Benzo(a)pyrene	330
Benzyl alcohol	330
bis(2-Chloroethoxy)methane	330
bis(2-Chloroethyl)ether	330
bis(2-Chloroisopropyl)ether	330
bis(2-Ethylhexyl)phthalate	330
4-Bromophenyl phenyl ether	330
p-Chloroaniline	660
4-Chloro-3-methylphenol	330
2-Chloronaphthalene	330
2-Chlorophenol	330
4-Chlorophenylphenyl ether	330
Chrysene	330
Dibenz(a,h)anthracene	330
Dibenzofuran	330
Di-n-butylphthalate	330
1,2-Dichlorobenzene	330
1,3-Dichlorobenzene	330
1,4-Dichlorobenzene	330
2,4-Dichlorophenol	330
2,6-Dichlorophenol	330
Diethylphthalate	330
3,3'-Dimethylbenzidine	1700
2,4-Dimethylphenol	330
Dimethylphthalate	330
2,4-Dinitrophenol	1700
2,4-Dinitrotoluene	330
2,6-Dinitrotoluene	330
Di-n-octylphthalate	330
Fluoranthene	330
Fluorene	330
Hexachlorobenzene	330
Hexachlorobutadiene	330
Hexachlorocyclopentadiene	330
Hexachloroethane	330
Indeno(1,2,3-cd)pyrene	330
Isophorone	330
2-Methyl-4,6-dinitrophenol	1700
2-Methylnaphthalene	330
2-Methylphenol (o-cresol)	330

ANALYTES

3-Methylphenol/4-Methylphenol(m&p-cresol)	330
Naphthalene	330
2-Nitroaniline	1700
3-Nitroaniline	1700
4-Nitroaniline	1700
Nitrobenzene	330
2-Nitrophenol	330
4-Nitrophenol	1700
N-Nitrosodimethylamine	330
n-Nitrosodi-n-propylamine	330
Pentachlorophenol	1700
Phenanthrene	330
Phenol	330
Pyrene	330
Pyridine	330
2,3,4,6-Tetrachlorophenol	1700
1,2,4-Trichlorobenzene	330
2,4,5-Trichlorophenol	1700
2,4,6-Trichlorophenol	330

Sample list for Method 8270.

Lab Number	G&M Number
82305	950707-FW-IW-SL0018
82348	950710-FW-IW-SL0019S
82390	950711-FW-IW-SL0019D
82392	950711-FW-IW-SL0026
82517	950713-FW-IW-SL0027
82519	950713-FW-IW-SL0006S
82573	950714-FW-IW-SL0006D
82632	950718-FW-IW-SL0017
82634	950718-FW-IW-SL0005
82636	950718-FW-IW-SL0007
82638	950718-FW-IW-SL0025
82685	950719-FW-IW-SL0020
82687	950719-FW-IW-SL0021
82689	950719-FW-IW-SL0009
82781	950720-FW-IW-SL0008
82783	950720-FW-IW-SL0013D
82785	950720-FW-IW-SL0001D
82787	950720-FW-IW-SL0015
82789	950720-FW-IW-SL0016
82790	950720-FW-IW-SL0012
82793	950720-FW-IW-SL0014
82794	950720-FW-IW-SL0011
82796	950720-FW-IW-SL0010
82798	950720-FW-IW-SL0022
82800	950720-FW-IW-SL0023
82802	950720-FW-IW-SL0024D
82803	950720-FW-IW-SL0024S
83054	950728-FW-IW-SL0004
83056	950728-FW-IW-SL0003
83058	950728-FW-IW-SL0002
83586	950810-FW-IW-SL0001S
83588	950810-FW-IW-SL0031
83590	950810-FW-IW-SL0029
83592	950810-FW-IW-SL0030
83709	950814-FW-IW-SL0028S
83711	950814-FW-IW-SL0028D
83712	950814-FW-IW-SL0032
83714	950814-FW-IW-SL0013S
83716	950814-FW-IW-SL0000

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number [illegible]

Project Location [illegible] AL

Laboratory [illegible]

Sampler(s)/Affiliation K. Thalman

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 4 250 ml Stars	8270 Priority Pollutant Metals Barium, Cyanide 1 liter								TOTAL
[illegible]													
950707-FW-IW-SL0018A	S	7/7/95		1									1
950707-FW-IW-SL0018A	S	↓		1									1
950707-FW-IW-SL0018C	S	↓		1									1
950707-FW-IW-SL0018B	S	↓		1									1
950707-FW-IW-SL0018e	S	↓		1									1
950707-FW-IW-SL0018	S	↓			1								1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 6

Relinquished by: Kathryn J. Malm	Organization: Geraghty & Miller	Date 7/7/95	Time 1715	Seal Intact?
Received by: Larry J Church	Organization: Guardian Systems	Date 7/7/95	Time 1715	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Composite 0018a – 0018e for VOC analysis in laboratory

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gauntlon

Sampler(s)/Affiliation K. Thelman/G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 * 250 ml Glass	8270 Priority Pollutant + TCL Acids + Benzoic Acid								TOTAL
950710-FW-IW-SL00195(a)	S	7-10-95		1									1
950710-FW-IW-SL00195(b)	S			1									1
950710-FW-IW-SL00195(c)	S			1									1
950710-FW-IW-SL00195(d)	S			1									1
950710-FW-IW-SL00195(e)	S			1									1
950710-FW-IW-SL00195(f)	S			1									1
950710-FW-IW-SL00195(g)	S			1									1
950710-FW-IW-SL00195	S				1								1
				7	1								8

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 8

				Seal Intact?
Relinquished by: Kathy Thelman	Organization: Geraghty & Miller, Inc.	Date 7/11/95	Time 9:20	Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date 7/11/95	Time 1220	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: 950710-FW-IW- Composite (SL00195(a-g)) in laboratory for VOC analysis.

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

00320

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gardien

Sampler(s)/Affiliation K. Thalman/G+M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 824p * 250 ml slow	8270 preserved w/ HCl 40ml vials 3								TOTAL
950711-FW-IW-SL00190(a)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(b)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(c)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190(d)	S	7-11-95 1510		1									1
950711-FW-IW-SL00190	S	7-11-95 1510			1								1
950711-FW-IW-SL00026(a)	S	7-11-95 1630		1									1
950711-FW-IW-SL00026(b)	S	7-11-95 1630		1									1
950711-FW-IW-SL00026	S	7-11-95 1630			1								1
				6	2								8

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 8

				Seal Intact?
Relinquished by: Kathryn D. Thalman	Organization: Geraghty & Miller Inc.	Date 7/12/95	Time 805 hr.	Yes No N/A
Received by: J. Allison	Organization: Gardien Serv.	Date 7/12/95	Time 805 hr.	
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks:

Composite 950711-FW-IW-SL00190 a-d for VOC analysis in 1L

Composite 950711-FW-IW-SL00026 a+b for VOC analysis in 1L

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TE0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman/G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 250 ml glass	8270 Priority Pollutant (metals, boron, cyanide) 1 liter glass								TOTAL
950713-FW-IW-SL0027(a)	S	7/13/95 0945		1									1
950713-FW-IW-SL0027(b)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(c)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(d)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(e)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027(f)	S	7-13-95 0945		1									1
950713-FW-IW-SL0027	S	7-13-95 0945			1								1
950713-FW-IW-SL00065(c)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065(b)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065(c)	S	7-13-95 1130		1									1
950713-FW-IW-SL00065	S	7-13-95 1130			1								1
				9	2								11

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 11

				Seal Intact?
Relinquished by: Kathryn J Thalman	Organization: Geraghty & Miller, Inc	Date 7/14/95	Time 0830 AM	Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date 7/14/95	Time 0830 AM	
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks:

* Composite SL0027a-f for VOC analysis

* Composite SL00065 a-c for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 priority pollutant metals, barium, cyanide 1 liter glass								TOTAL
950714-FW-IW-SL0006D(a)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D (b)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(c)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D (d)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D (e)	S	7-14-95 1400		1									1
950714-FW-IW-SL0006D(f)	S	7-14-95 1400		1									1
950714-FW-IW SL0006D (g)	S	7-14-95 1400		1									1
950714-FW-IW SL0006D (h)	S	7-14-95 1400		1									1
950714-FW-IW SL0006D (i)	S	7-14-95 1400		1									1
950714-FW-IW SL0006D	S	7-14-95 1400			1								1
				9	1								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 10

Relinquished by: Katherine J. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/14/95	Time 1655	Seal Intact?
Received by: [signature]	Organization: Gaurdian Systems	Date 7/14/95	Time 1655	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: * Composite 950714-FW IW-SL0006D (a-i) for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

001382

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalmen G&M
D. Page G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 * 250 ml Glass	8270 Priority Pollutant metals, Barium Cyanide 1 liter glass								TOTAL
950718-FW-IW-SL0017(a)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(b)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(c)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(d)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017(e)	S	7-18-95 1300		1									1
950718-FW-IW-SL0017	S	7-18-95 1300			1								1
950718-FW-IW-SL0005(a)	S	7-18-95 1400		1	#(1)								1
950718-FW-IW-SL0005(b)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(c)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(d)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005(e)	S	7-18-95 1400		1									1
950718-FW-IW-SL0005	S	7-18-95 1400			1								1
Total				10	2								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 12

				Seal Intact?
Relinquished by: Kathy Thalmen	Organization: Geraghty & Miller Inc	Date 7/19/95	Time 0155 Pm	
Received by: J. Allabon	Organization: Quanta (Lab)	Date 7/19/95	Time 1755 PM	Yes No (N/A)
Relinquished by:	Organization:	Date / /	Time	
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: * composite 950718-FW-IW-SL0017 (a-e) for VOC analysis
composite 950718-FW-IW-SL0005 (a-e) for VOC analysis

Delivery Method: [X] In Person [ ] Common Carrier [ ] Lab Courier [ ] Other

CRAGHTY & ILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gardien

Sampler(s)/Affiliation K. Thalman G&M
D. Pang G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 *	250 ml Glass	8270 priority pollutant + Cyanide							TOTAL
950718-FW-IW-SL0007(a)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(b)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(c)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(d)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007(e)	S	7-18-95 1430		1									1
950718-FW-IW-SL0007	S	7-18-95 1430			1								1
950718-FW-IW-SL0025(a)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025(b)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025(c)	S	7-18-95 1600		1									1
950718-FW-IW-SL0025	S	7-18-95 1600			1								1
Total				10	2								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 10

				Seal Intact?
Relinquished by: Katherine D. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/19/95	Time 7:15 AM	
Received by: [illegible]	Organization: Burlington Env. Inc.	Date 7/19/95	Time 7:15 AM	Yes No (N/A)
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: Composite 950718-FW-FW-SL0007 a-e for VOC analysis (8240)
Composite 950718-FW-FW-SL0025 a-c for VOC analysis (8240)

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

0013281

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaudian

Sampler(s)/Affiliation K. Thelman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml	8270 Priority Pollutant metals barium cyanide 1 ltr glass								TOTAL
950719-FW-IW SL0020 (a)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (b)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (c)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (d)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (e)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (f)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (g)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 (h)	S	7-19-95 1530		1									
950719-FW-IW -SL0020 [illegible]	S	7-19-95 1530		1 (A)	1								
950719-FW-IW -SL0021 (a)	S	7-19-95 1500		1									
950719-FW-IW -SL0021 (b)	S	7-19-95 1500		1									
950719-FW-IW -SL0021 (c)	S	7-19-95 1500		1									
950719-FW-IW -SL0021 (d)	S	7-19-95 1500		1									
950719-FW-IW -SL0021 (e)	S	7-19-95 1500		1									
950719-FW-IW -SL0021 (f)	S	7-19-95 1500		1									

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: Katherine L. Thelman	Organization: Geraghty & Miller Inc	Date 7/20/95	Time 7:35	Seal Intact? Yes No N/A
Received by: Jerry Hanrattle	Organization: Gaudian Laboratory	Date 7/20/95	Time 7:25	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:

* Composite 950719-FW-IW-SL0020 a-e [illegible]
Composite 950719-FW-IW-SL0021 a-e [illegible]

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

001225

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml	8270 Priority Pollutant Metals, Barium Cyanide / litre								TOTAL
950719-FW-IW-SL0021 (a)				1									1
~~950719-FW-IW-SL0021 (b)~~													~~1~~ (X)
950719-FW-IW-SL0021					1								1
Total				1	1								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 2

Relinquished by: Kathryn J. Thalman	Organization: Geraghty & Miller, Inc.	Date 1/12/95	Time 7:35	Seal Intact?
Received by: [signature]	Organization: Gaurdian Fuzzle	Date 7/12/95	Time 7:35	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier SPECIFY ☐ Lab Courier ☐ Other SPECIFY

001386

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gavrdian

Sampler(s)/Affiliation K. Thalman
D. Page

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml slam	8270, Priority Pollutant Metals, Cyanide Barium 1 liter								TOTAL
950719-FW-IW-SL0009(a)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(b)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(c)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(d)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(e)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(f)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009(g)	S	7-19-95 1610		1									1
950719-FW-IW-SL0009	S	7-19-95 1610			1								1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 8

Relinquished by: Katherine J. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/20/95	Time 7:35	Seal Intact? Yes No N/A
Received by: Jerry Hancock	Organization: Gavrdian Pollution	Date 7/20/95	Time 7:35	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:
* Composite 950719-FW-SL-0009 a-g in VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

001387

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No._____

CHAIN-OF-CUSTODY RECORD

Page ___ of 2

Project Number TF0320.013

Project Location Birmingham Ala

Laboratory Gradian

Sampler(s)/Affiliation KJ G:M DP

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250mL Glass	8270 Priority Pollutant metals Barium, Cyanide 1 Liter Glass								TOTAL
950720-FW-IW SL0001D(b)	S	7-20-95 16:15		1									1
950720-FW-IW SL0015	S	7-20-95 11:00			1								1
950720-FW-IW SL0015(a)	S	7-20-95 11:00		1									1
950720-FW-IW SL0015 (b)	S	7-20-95 11:00		1									1
950720-FW-IW SL0015 (c)	S	7-20-95 11:00		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 5

Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by: Katherine J. Holman	Organization: Geraghty & Miller Inc	Date 7/21/95	Time 8:00	Seal Intact? Yes No N/A
Received by: S. Allison	Organization: [illegible]	Date 7/21/95	Time [illegible]	

Special Instructions/Remarks:
Composite 950720-FW-IW-SL0015 (a+b+c) in Lab for VOC's 8240

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

001222

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number TF0320.013

Project Location Birmingham Ala.

Laboratory Gardian

Sampler(s)/Affiliation KT DP

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250mL Glass	8270 Priority Pollutants metals barium Cyanide 1L Glass								TOTAL
950720-FW-IW SL0008	S	7-20-95 11:45			1								1
950720-FW-IW SL0008(a)	S	7-20-95 11:45		1									1
950720-FW-IW SL0008(b)	S	7/20/95 11:45		1									1
950720-FW-IW SL0008(c)	S	7/20/95 11:45		1									1
950720-FW-IW SL0013D	S	7/20/95 15:15			1								1
950720-FW-IW SL0013D(a)	S			1									1
950720-FW-IW SL0013D(b)	S			1									1
950720-FW-IW SL0013D(c)	S			1									1
950720-FW-IW SL0013D(d)	S			1									1
950720-FW-IW SL0013D(e)	S			1									1
950720-FW-IW SL0013D(f)	S			1									1
950720-FW-IW SL0013D(g)	S			1									1
950720-FW-IW SL0013D(H)	S			1									1
950720-FW-IW SL0001D	S	950 7-20 16:15			1								1
950720-FW-IW SL0001D(A)	S	7-20-95 16:15		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A
Relinquished by: Katherine Thelma	Organization: Geraghty & Miller	Date [illegible]	Time [illegible]	Seal Intact?
Received by: S. Allison	Organization: [illegible]	Date [illegible]	Time [illegible]	Yes No N/A

Special Instructions/Remarks: Composite 950720-FW-IW-SL0008 (a+b+c) in Lab for Vol's 8240
Composite 950720-FW-IW-SL0013D (a+b+c+d+e+f+g+h) in Lab " " "
Composite 950720-FW-IW-SL0001D (a+b) in Lab for

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

001383

CRAGHTY & LLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page ___ of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gauntlet

Sampler(s)/Affiliation K. Thelman
D. Pope

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 # 250 ml glass	8270 Priority Pollutant + 6 mCPP, Benzyl Cyanide 1 liter glass								TOTAL
950720-FW-IW-SL0016	S	7-20-95 1140		1	1								2
950720-FW-IW-SL0012	S	7-20-95 0940		(R) 5	1 ~~5~~								1
950720-FW-IW-SL0014(a)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(b)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(c)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014(d)	S	7-20-95 1000		1									1
950720-FW-IW-SL0014	S	7-20-95 1000			1								1
950720-FW-IW-SL0012(a)	S	7-20-95 0940		1									1
950720-FW-IW-SL0012(b)	S	7-20-95 0940		1									1
950720-FW-IW-SL0011	S	7-20-95 0920		1	1								2
950720-FW-IW-SL0010(a)	S	7-20-95 0900		1									1
950720-FW-IW-SL0010(b)	S	7-20-95 0900		1									1
950720-FW-IW-SL0010	S	7-20-95 0900			1								1
Total				10	5								15

Sample Code: L = Liquid; S = Solid; A = Air — Total No. of Bottles/Containers

					Seal Intact?
Relinquished by: Kathryn D Thelman	Organization: Geraghty & Miller Inc	Date 7/21/95	Time 2:50		Yes No N/A
Received by: Terry Hazelett	Organization: Gauntlet - Pope	Date 7/21/95	Time 2:50		
Relinquished by: _____	Organization: _____	Date / /	Time _____		Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____		Yes No N/A

Special Instructions/Remarks: * Composite 950720-FW-IW-SL0012 a+b 1:6 in 1 L for 8240
* Composite 950720-FW-IW-SL0014 a-d 1:6 in 1 L for 8240
Composite 950720-FW-IW-SL0010 a+b 1:6 in 1 L for 8240

Delivery Method: ☑ In Person ☐ Common Carrier (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

0013

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gardner

Sampler(s)/Affiliation K. Thelmen / G&M
D. Paz / G&M

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8240 * 250 ml Glass	8270, priority pollutant + methyl Carbonyl Sulfide / Thiophene								TOTAL
950720-FW-IW-SL0022(a)	S	7-20-95 1430		1									1
950720-FW-IW-SL0022(b)	S	7-20-95 1430		1									1
950720-FW-IW-SL0022	S	7-20-95 1430			1								1
950720-FW-IW-SL0023(a)	S	7-20-95 1400		1									1
950720-FW-IW-SL0023(b)	S	7-20-95 1400		1									1
950720-FW-IW-SL0023	S	7-20-95 1400			1								1
950720-FW-IW-SL0024D(a)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(b)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(c)	S	7-20-95 1330		1									1
950720-FW-IW-SL0024D(d)	S	7-20-95 1330		1	##								1
950720-FW-IW-SL0024D	S	7-20-95 1330			1								1
950720-FW-IW-SL0024S	S	7-20-95 1330		1	1								2
~~950720-FW-IW-SL0025~~ (IE)													

Sample Code: Told L = Liquid; S = Solid; A = Air — 9 — 4

Total No. of Bottles/ Containers: 13

				Seal Intact?
Relinquished by: Kathryn J. Thelmen	Organization: Geraghty & Miller, Inc.	Date 11-24-95	Time 1:55	
Received by: [illegible]	Organization: Gardner Laboratories	Date 12/1/95	Time 7:50	Yes No (N/A)
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A

Special Instructions/Remarks: * Composite 950720-FW-IW-SL0022 with 1.6 L 1.6 L VOC vials
Composite 950720-FW-IW-SL0023 with 1.6 L 1.6 L VOC vials
Composite 950720-FW-IW-SL0024D with 1 L 1.6 L VOC vials

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

001391

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gavrdion

Sampler(s)/Affiliation K. Thalman/G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250 ml glass *	8270 Priority Pollutant metals, barium cyanide 1 liter glass								TOTAL
950728-FW-IW-SL0004(a)	S	7/28/95 1100		1									1
950728-FW-IW SL0004 (b)	S	↓		1									1
950728-FW-IW-SL0004	S	↓			1								1
950728-FW-IW-SL0003 (a)	S	7/28/95 1000		1									1
950728-FW-IW-SL0003 (b)	S	↓		1									1
950728-FW-IW-SL0003	S	↓			1								1
950728-FW-IW-SL0002 (a)	S	7/28/95 0915		1									1
950728-FW-IW-SL0002 (b)	S	↓		1									1
950728-FW-IW-SL0002	S	↓			1								1
Total				6	3								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 9

Relinquished by: Katherine J. Thalman	Organization: Geraghty & Miller, Inc.	Date 7/28/95	Time 1420	Seal Intact? Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date [illegible]	Time [illegible]	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Composite 950728-FW-IW-SL0004a+b for VOC analysis
Composite 950728-FW-IW-SL0003a+b for VOC analysis
Composite 950728-FW-IW-SL0002a+b for VOC analysis

Delivery Method: ☒ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

SPECIFY SPECIFY

001392

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K. Thalman/G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 * 250 ml glass	8270 Priority pollutant metals barium, cyanide								TOTAL
950810-FW-IW-SL0001S	S	8/10/95 1030		1	1								2
950810-FW-IW-SL0031(a)	S	8/10/95 1145		H 3 1	1 H								1
950810-FW-IW-SL0031(b)	S	8/10/95 1145		1									1
950810-FW-IW-SL0031(c)	S	8/10/95 1145		1									1
950810-FW-IW-SL0031	S	8/10/95 1145			1								1
950810-FW-IW-SL0029(a)	S	8/10/95 1445		1									1
950810-FW-IW-SL0029(b)	S			1									1
950810-FW-IW-SL0029(c)	S			1									1
950810-FW-IW-SL0029	S				1								1
950810-FW-IW-SL0030(a)	S	8/10/95 1600		1									1
950810-FW-IW-SL0030(b)	S			1									1
950810-FW-IW-SL0030(c)	S			1									1
950810-FW-IW-SL0030(d)	S			1									1
950810-FW-IW-SL0030	S				1								1
Total				11	4								

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: Kathryn J. Thalman	Organization: Geraghty & Miller, Inc.	Date 8/11/95	Time 1350	Seal Intact? Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date [illegible]	Time 1350	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: *Composite 950810-FW-IW-SL0031 [illegible]
Composite 950810-FW-IW-SL0031 [illegible]
" 950810-FW-IW-SL0031 [illegible]

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

001393

GERAGHTY & M R, INC.
Enviro. l Services
a heidemij company

Laboratory Task Order No._____

CHAIN-OF-CUSTODY RECORD

Page__ __ of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K Thalman / G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8240 250ml glass *	8270, Priority Pollutant Metals, Barium, Cyanide 1 litre glass								TOTAL
950814-FW-IW-SL00285(a)	S	8-14-95		1									1
950814-FW-IW-SL00285(b)	S	8-14-95		1									1
950814-FW-IW-SL00285	S	8-14-95			1								1
950814-FW-IW-SL00280(a)	S	8-14-95		1									1
950814-FW-IW-SL00280(b)	S	8-14-95		1									1
950814-FW-IW-SL00280	S	8-14-95			1								1
950814-FW-IW-SL00032	S	8-14-95		1	1								2
950814-FW-IW-SL00135(a)	S	8-14-95		1									1
950814-FW-IW-SL00135(b)	S	8-14-95		1									1
950814-FW-IW-SL00135(c)	S	8-14-95		1									1
950814-FW-IW-SL00135	S	8-14-95			1								1
950814-FW-IW-SL0000(a)	S			1									1
950814-FW-IW-SL0000(b)				1									1
950814-FW-IW-SL0000(c)				1									1
950814-FW-IW-SL0000(d)				1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 1 See page 2

Relinquished by: Kathryn Thalman	Organization: Geraghty & Miller, Inc.	Date 8/15/95	Time 8:30 am	Seal Intact?
Received by: S. Allison	Organization: [illegible]	Date 8/15/95	Time 8:30 am	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: *Composite 950814-FW-IW-SL00285 a+b for VOC
" 950814-FW-IW-SL00280 a+b for VOC
" 950814-FW-IW-SL00135 a,b,c for VOC; comp 950814-FW-IW-SL0000 a,b,c,d

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

G&M Form 09.9.91

001394

GERAGHTY & MILLER, INC.
Environmental Services
a heidemij company

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Project Number TF0320.013

Project Location Birmingham, AL

Laboratory Gaurdian

Sampler(s)/Affiliation K Tholmon/G&M

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8270 Priority Pollutant Metals, Barium, Cyanide 1 liter									TOTAL
950814-FW-IW-SL0000	S	8-14-95		1									1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 17

Relinquished by: Katherine J. Tholmon	Organization: Geraghty & Miller, Inc.	Date 8/15/95	Time 800 am	Seal Intact?
Received by: D. Allison	Organization: Guardian Hyp.	Date 8/15/95	Time 0800 am	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other _____

G&M Form 09.9.91

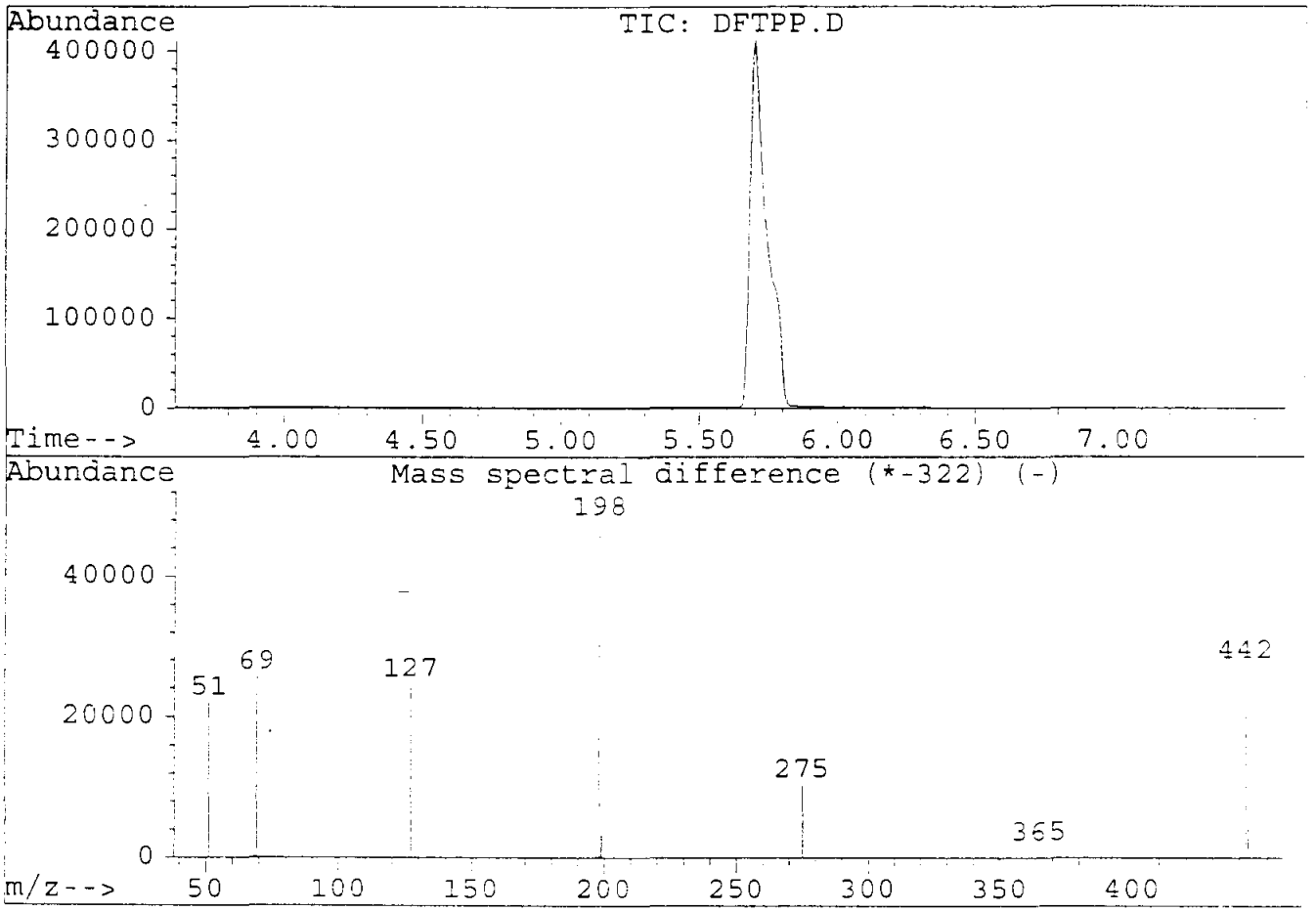
001395

EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0803\DFTPP.D
Acq On : 3 Aug 95 9:03 am
Sample : DFTPP
Misc :

Vial: 1
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



Peak Apex is scan: 322

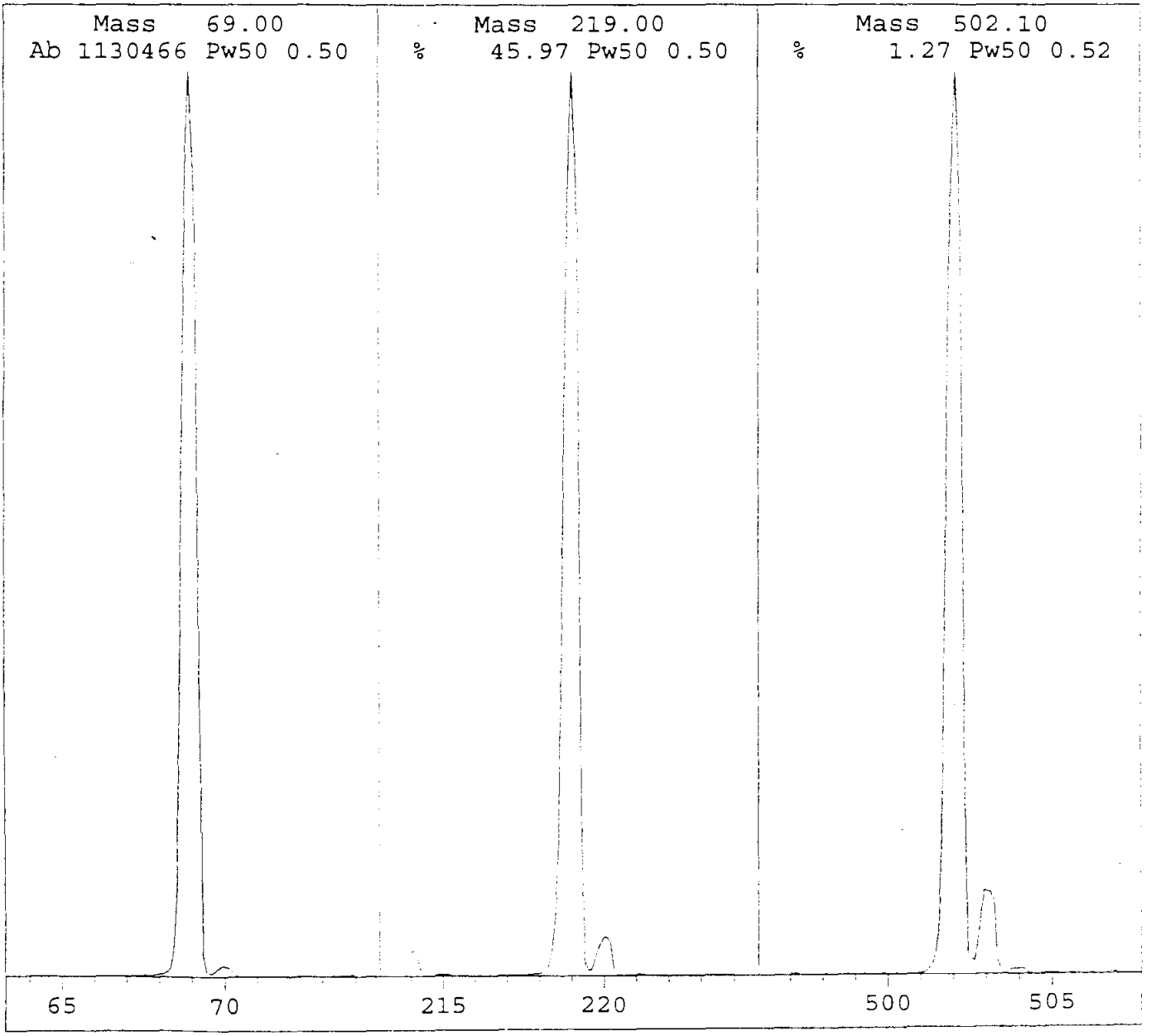
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.0	21916	PASS
68	69	0	2	1.4	350	PASS
69	198	0	100	51.4	25583	PASS
70	69	0	2	0.4	105	PASS
127	198	40	60	49.4	24574	PASS
197	198	0	1	0.5	252	PASS
198	198	100	100	100.0	49759	PASS
199	198	5	9	6.7	3344	PASS
275	198	10	30	20.7	10299	PASS
365	198	1	100	2.6	1284	PASS
441	443	0	100	72.0	3747	PASS
442	198	40	100	54.3	27042	PASS
443	442	17	23	19.2	5202	PASS

DFTPP.D DFTPP.M Thu Aug 03 09:10:50 1995

Instrument: 5971 - Instrument1
Thu Aug 03 08:57:55 1995 C:\HPCHEM\1\5971\DFTPP.U

EMVolts	2318	AmuGain	392
Xray	59.9	AmuOffs	83
Emission	ON	Wid219	0.001
MS Temp	172	TTI	OFF
Vacuum	24	DC Pol	NEG
Samples	16	Repeller	19.57
Averages	1	IonFocus	44.0
StepSize	0.10	EntLens	0.00
MassGain	-166	EntOffs	VAR
MassOffs	3	Filament	2

PFTBA OPEN

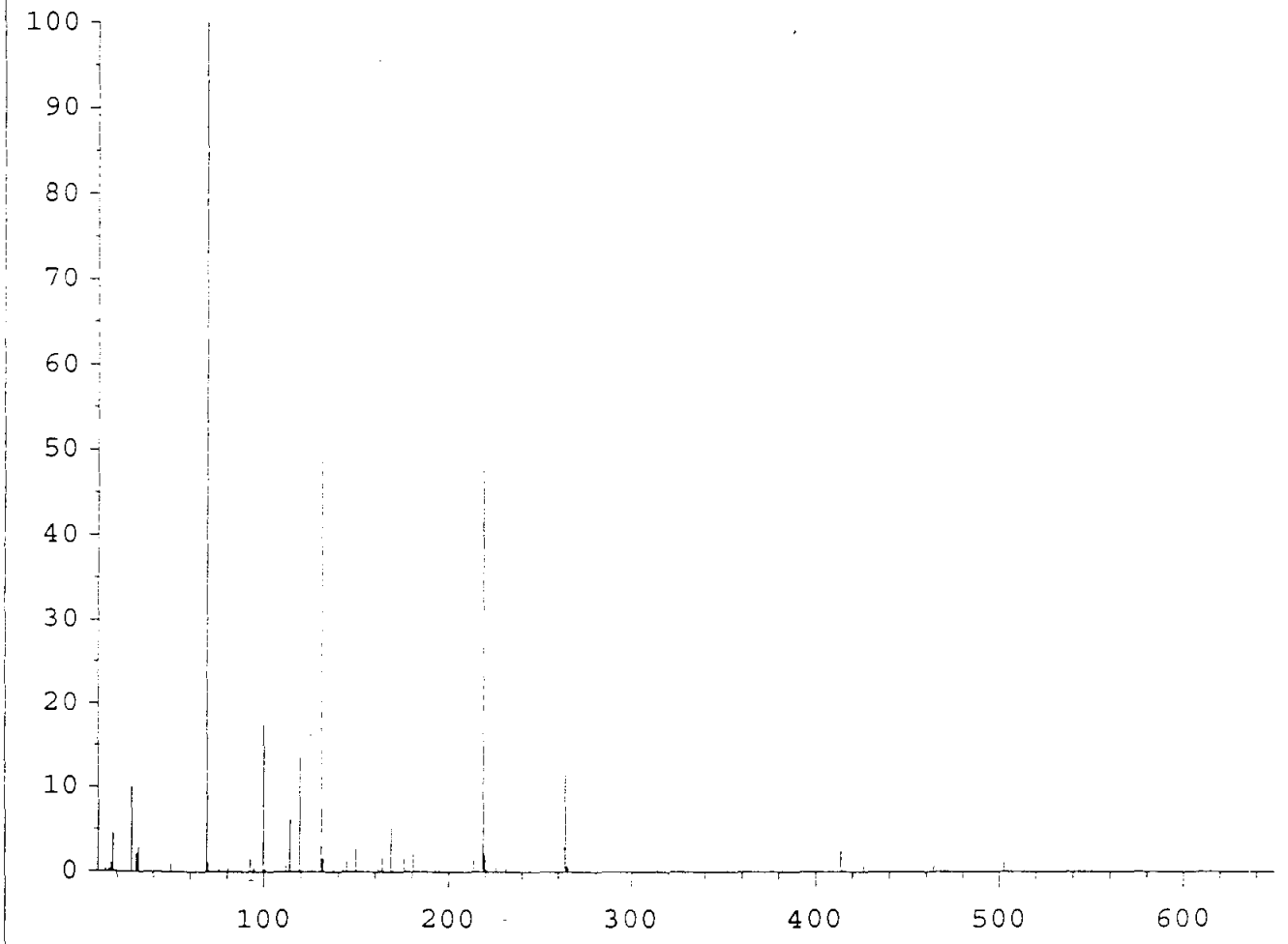


Instrument: 5971 - Instrument1
Thu Aug 03 08:57:20 1995 C:\HPCHEM\1\5971\DFTPP.U

EMVolts	2318	AmuGain	392
Xray	59.9	AmuOffs	83
Emission	ON	Wid219	0.001
MS Temp	171	TTI	OFF
Vacuum	24	DC Pol	NEG
Samples	16	Repeller	19.57
Averages	1	IonFocus	44.0
StepSize	0.10	EntLens	0.00
MassGain	-166	EntOffs	VAR
MassOffs	3	Filament	2

PFTBA OPEN

Scan: 10.00 - 650.00 Samples: 16 Thresh: 150 Step: 0.10
143 peaks Base: 69.00 Abundance: 958272



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	958272	100.00	69.95	10861	1.13
219.00	458752	47.87	220.00	19304	4.21
502.10	11697	1.22	503.05	1156	9.88

Response Factor Report 5971 - In

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Initial Calibration

Calibration Files
1 =LEVEL1.D 2 =LEVEL2.D 3 =LEVEL3.D
4 =LEVEL4.D 5 =LEVEL5.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	IR	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	S	2-Fluorophenol (SURR)	1.413	1.401	1.465	1.379	1.386	1.4	2.43
3)	S	Phenol-d5 (SURR)	1.683	1.718	1.817	1.696	1.716	1.7	3.06
4)	T	Benzyl alcohol	0.907	0.970	1.035	0.971	0.977	1.0	4.67
5)	IR	Naphthalene-d8	----------ISTD----------						
6)	S	Nitrobenzene-d5 (SURR	0.338	0.351	0.363	0.350	0.347	0.3	2.56
7)	T	2,6-Dichlorophenol	0.327	0.342	0.361	0.350	0.348	0.3	3.61
8)		4 - Chloroaniline	0.465	0.497	0.533	0.517	0.518	0.5	5.16
9)	T	2-Methylnaphthalene	0.748	0.780	0.795	0.755	0.746	0.8	2.85
10)	IR	Acenaphthene-d10	----------ISTD----------						
11)	S	2-Fluorobiphenyl (SUR	1.338	1.391	1.423	1.380	1.378	1.4	2.21
12)	T	2-Nitroaniline	0.292	0.328	0.333	0.322	0.327	0.3	5.19
13)	T	3-Nitroaniline	0.324	0.378	0.404	0.405	0.417	0.4	9.74
14)	T	Dibenzofuran	1.672	1.713	1.737	1.658	1.663	1.7	2.05
15)	T	2,3,4,6-Tetrachloroph	0.252	0.282	0.298	0.292	0.299	0.3	6.78
16)	T	4-Nitroaniline	0.289	0.351	0.380	0.384	0.395	0.4	11.90
17)	S	2,4,6-Tribromophenol	0.150	0.173	0.184	0.182	0.186	0.2	8.53
18)	IR	Chrysene-d12	----------ISTD----------						
19)	S	p-Terphenyl-d14 (SURR	1.067	1.114	1.138	1.107	1.107	1.1	2.28
20)	T	3,3-Dimethylbenzidine	0.750	0.683	0.659	0.648	0.684	0.7	5.78

(#) = Out of Range

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL1.D
Acq On : 3 Aug 95 9:20 am
Sample : LEVEL1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:11 1995

Vial: 1
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	1035470	40.00	ug/ml	-0.02
5) Naphthalene-d8	10.54	136	3825989	40.00	ug/ml	-0.02
10) Acenaphthene-d10	16.00	164	2118088	40.00	ug/ml	-0.02
18) Chrysene-d12	29.05	240	2068290	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.30	112	731694	20.07	ug/ml	10.03%
3) Phenol-d5 (SURR)	6.35	99	871570	19.50	ug/ml	9.75%
6) Nitrobenzene-d5 (SURROGATE	8.58	82	322843	9.65	ug/ml	9.65%
11) 2-Fluorobiphenyl (SURROGAT	13.97	172	708565	9.68	ug/ml	9.68%
17) 2,4,6-Tribromophenol (SURR	18.50	330	158555	17.14	ug/ml	8.57%
19) p-Terphenyl-d14 (SURROGATE	25.79	244	551957	9.65	ug/ml	9.65%
Target Compounds						Qvalue
4) Benzyl alcohol	7.50	108	234712	9.33	ug/ml	96
7) 2,6-Dichlorophenol	10.92	162	626148	18.95	ug/ml	99
8) 4 - Chloroaniline	10.95	127	445242	9.20	ug/ml	99
9) 2-Methylnaphthalene	12.69	142	715045	9.78	ug/ml	100
12) 2-Nitroaniline	14.76	65	154414	9.10	ug/ml	98
13) 3-Nitroaniline	16.09	138	171363	8.39	ug/ml	99
14) Dibenzofuran	16.59	168	885335	9.90	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	17.18	232	267269	17.73	ug/ml	99
16) 4-Nitroaniline	18.04	138	152849	8.02	ug/ml	92
20) 3,3-Dimethylbenzidine	27.39	212	387717	11.62	ug/ml	99

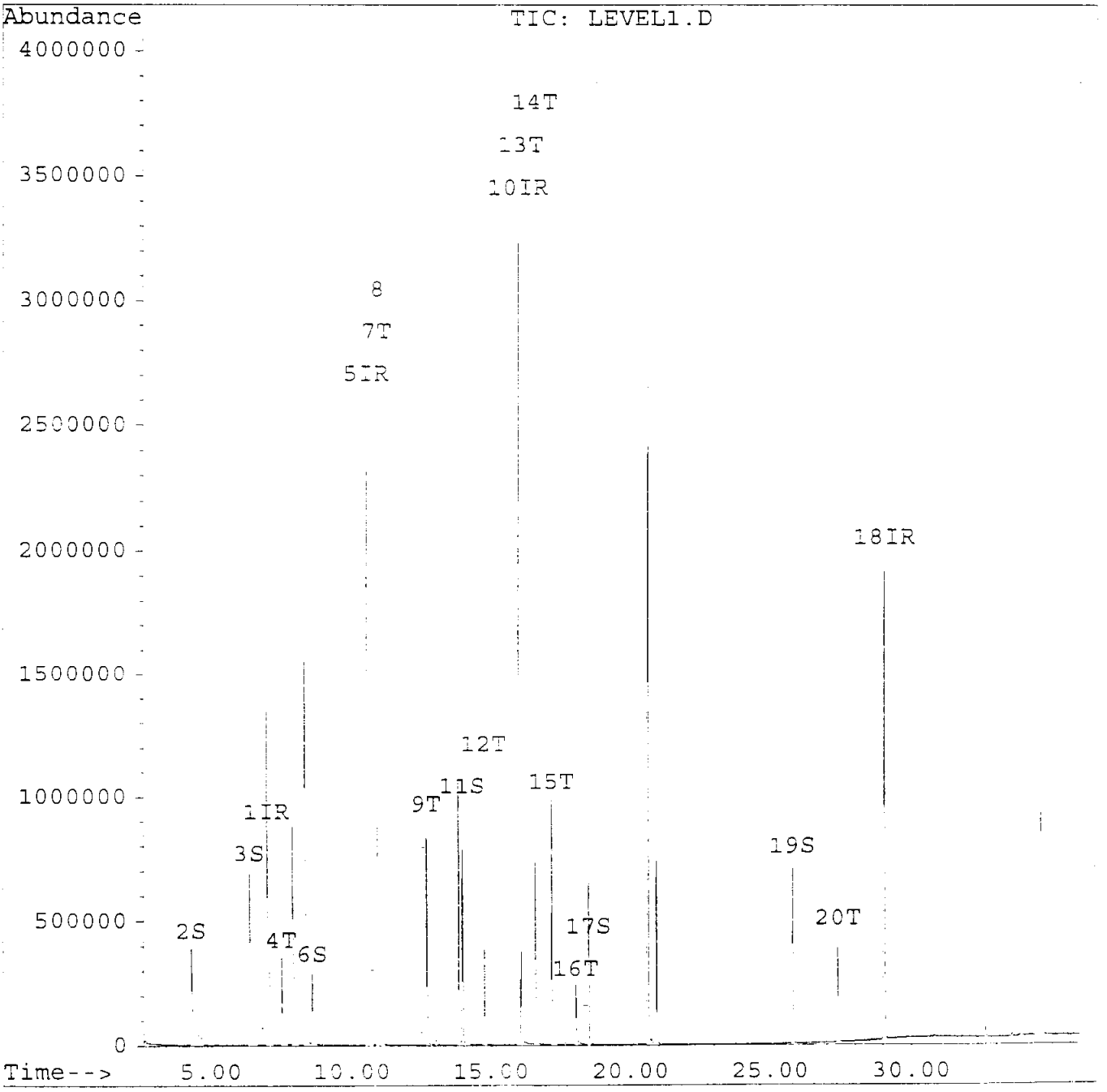
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL1.D
Acq On : 3 Aug 95 9:20 am
Sample : LEVEL1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:11 1995

Vial: 1
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration



001402

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL2.D Vial: 2
Acq On : 3 Aug 95 10:01 am Operator: LAW
Sample : LEVEL2 30 - 60 ug/ml Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 9:10 1995

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

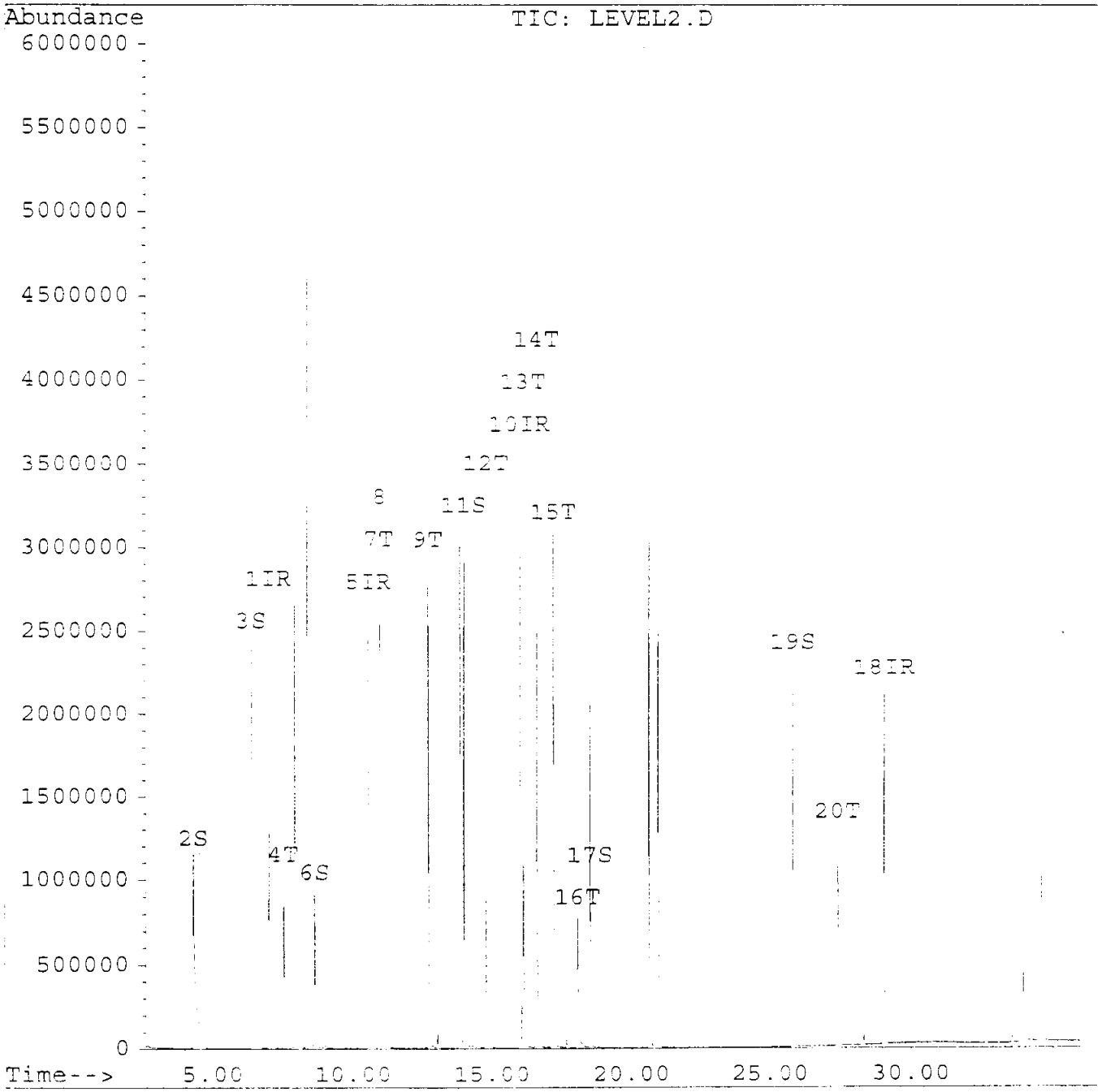
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	1061851	40.00	ug/ml	0.00
5) Naphthalene-d8	10.55	136	3962664	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.00	164	2241443	40.00	ug/ml	-0.01
18) Chrysene-d12	29.05	240	2291190	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.32	112	2231217	59.67	ug/ml	29.83%
3) Phenol-d5 (SURR)	6.38	99	2736415	59.71	ug/ml	29.86%
6) Nitrobenzene-d5 (SURROGATE	8.63	82	1043373	30.12	ug/ml	30.12%
11) 2-Fluorobiphenyl (SURROGAT	13.99	172	2338784	30.20	ug/ml	30.20%
17) 2,4,6-Tribromophenol (SURR	18.53	330	579977	59.23	ug/ml	29.62%
19) p-Terphenyl-d14 (SURROGATE	25.81	244	1914425	30.20	ug/ml	30.20%
Target Compounds						Qvalue
4) Benzyl alcohol	7.52	108	772488	29.94	ug/ml	99
7) 2,6-Dichlorophenol	10.94	162	2030040	59.30	ug/ml	100
8) 4 - Chloroaniline	10.98	127	1476018	29.44	ug/ml	100
9) 2-Methylnaphthalene	12.70	142	2317324	30.59	ug/ml	100
12) 2-Nitroaniline	14.79	65	550809	30.67	ug/ml	98
13) 3-Nitroaniline	16.12	138	635588	29.40	ug/ml	99
14) Dibenzofuran	16.61	168	2878986	30.43	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	17.21	232	946667	59.36	ug/ml	100
16) 4-Nitroaniline	18.08	138	590900	29.31	ug/ml	97
20) 3,3-Dimethylbenzidine	27.42	212	1174384	31.41	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0803\LEVEL2.D
Acq On : 3 Aug 95 10:01 am
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:10 1995

Vial: 2
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL3.D
Acq On : 3 Aug 95 10:43 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:10 1995

Vial: 3
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	1148270	40.00	ug/ml	0.00
5) Naphthalene-d8	10.56	136	4392254	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.02	164	2518562	40.00	ug/ml	0.00
18) Chrysene-d12	29.06	240	2585497	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.32	112	4205823	104.01	ug/ml	52.00%
3) Phenol-d5 (SURR)	6.41	99	5216461	105.27	ug/ml	52.63%
6) Nitrobenzene-d5 (SURROGATE	8.65	82	1990719	51.85	ug/ml	51.85%
11) 2-Fluorobiphenyl (SURROGAT	14.01	172	4480534	51.49	ug/ml	51.49%
17) 2,4,6-Tribromophenol (SURR	18.56	330	1156834	105.15	ug/ml	52.57%
19) p-Terphenyl-d14 (SURROGATE	25.84	244	3676949	51.40	ug/ml	51.40%
Target Compounds						Qvalue
4) Benzyl alcohol	7.55	108	1485395	53.23	ug/ml	100
7) 2,6-Dichlorophenol	10.96	162	3969262	104.61	ug/ml	100
8) 4 - Chloroaniline	11.01	127	2926032	52.66	ug/ml	100
9) 2-Methylnaphthalene	12.72	142	4364583	51.99	ug/ml	100
12) 2-Nitroaniline	14.81	65	1049814	52.03	ug/ml	100
13) 3-Nitroaniline	16.16	138	1273428	52.43	ug/ml	100
14) Dibenzofuran	16.64	168	5467753	51.43	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	17.23	232	1875231	104.65	ug/ml	100
16) 4-Nitroaniline	18.12	138	1196175	52.81	ug/ml	100
20) 3,3-Dimethylbenzidine	27.44	212	2130041	49.96	ug/ml	100

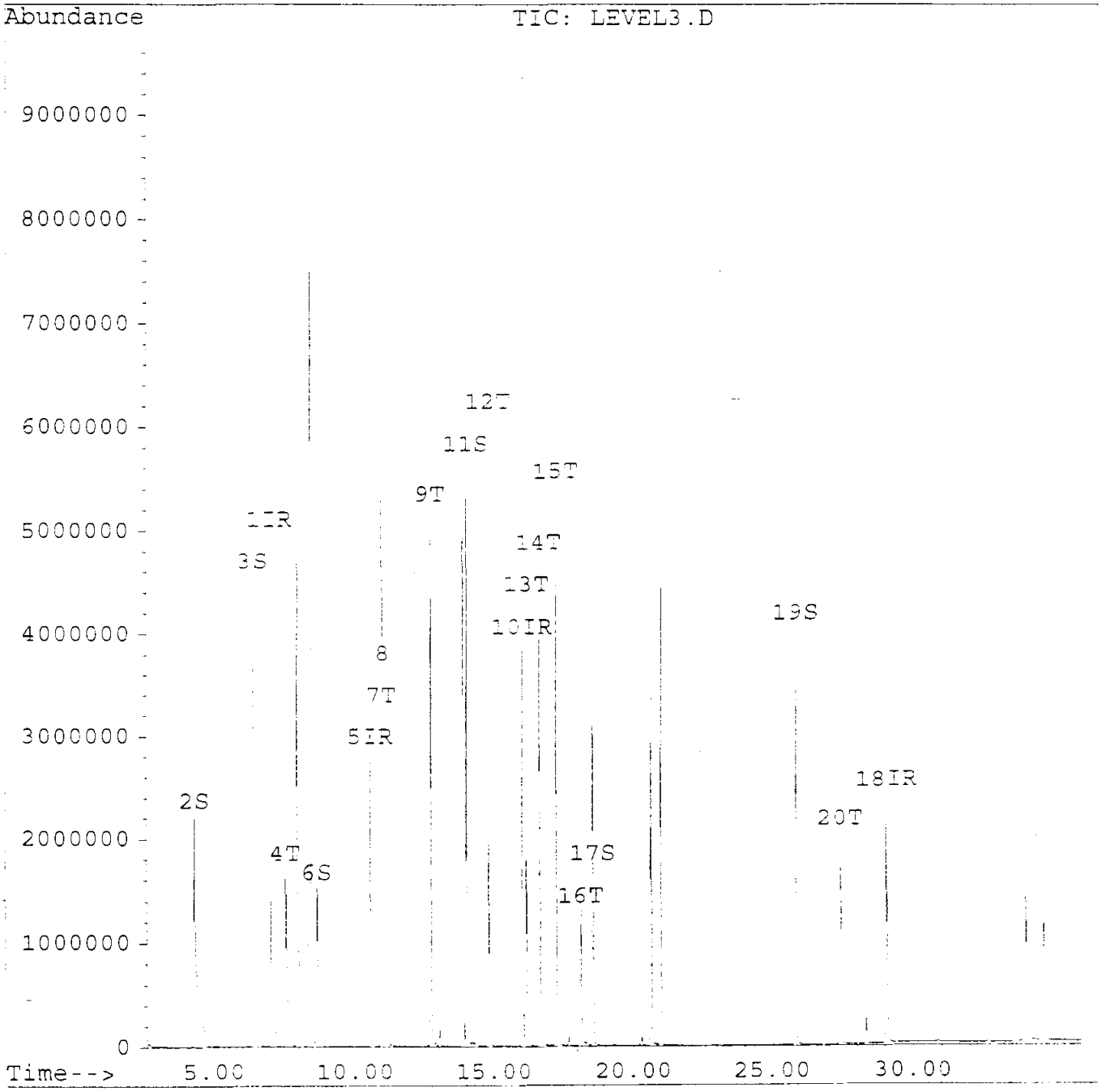
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL3.D
Acq On : 3 Aug 95 10:43 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:10 1995

Vial: 3
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration



001406

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL4.D
Acq On : 3 Aug 95 11:24 am
Sample : LEVEL4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:09 1995

Vial: 4
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1190851	40.00	ug/ml	0.01
5) Naphthalene-d8	10.57	136	4420960	40.00	ug/ml	0.01
10) Acenaphthene-d10	16.03	164	2507565	40.00	ug/ml	0.00
18) Chrysene-d12	29.07	240	2571959	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.34	112	5746365	137.02	ug/ml	68.51%
3) Phenol-d5 (SURR)	6.43	99	7068956	137.55	ug/ml	68.78%
6) Nitrobenzene-d5 (SURROGATE	8.67	82	2705716	70.01	ug/ml	70.01%
11) 2-Fluorobiphenyl (SURROGAT	14.02	172	6054292	69.88	ug/ml	69.88%
17) 2,4,6-Tribromophenol (SURR	18.57	330	1594547	145.57	ug/ml	72.79%
19) p-Terphenyl-d14 (SURROGATE	25.85	244	4984052	70.04	ug/ml	70.04%
Target Compounds						Qvalue
4) Benzyl alcohol	7.58	108	2024299	69.95	ug/ml	99
7) 2,6-Dichlorophenol	10.98	162	5410183	141.66	ug/ml	100
8) 4 - Chloroaniline	11.02	127	3999583	71.51	ug/ml	100
9) 2-Methylnaphthalene	12.74	142	5841661	69.13	ug/ml	100
12) 2-Nitroaniline	14.84	65	1413933	70.38	ug/ml	99
13) 3-Nitroaniline	16.18	138	1777947	73.52	ug/ml	99
14) Dibenzofuran	16.65	168	7275742	68.74	ug/ml	99
15) 2,3,4,6-Tetrachlorophenol	17.25	232	2564083	143.71	ug/ml	99
16) 4-Nitroaniline	18.16	138	1685261	74.73	ug/ml	98
20) 3,3-Dimethylbenzidine	27.45	212	2915801	68.05	ug/ml	100

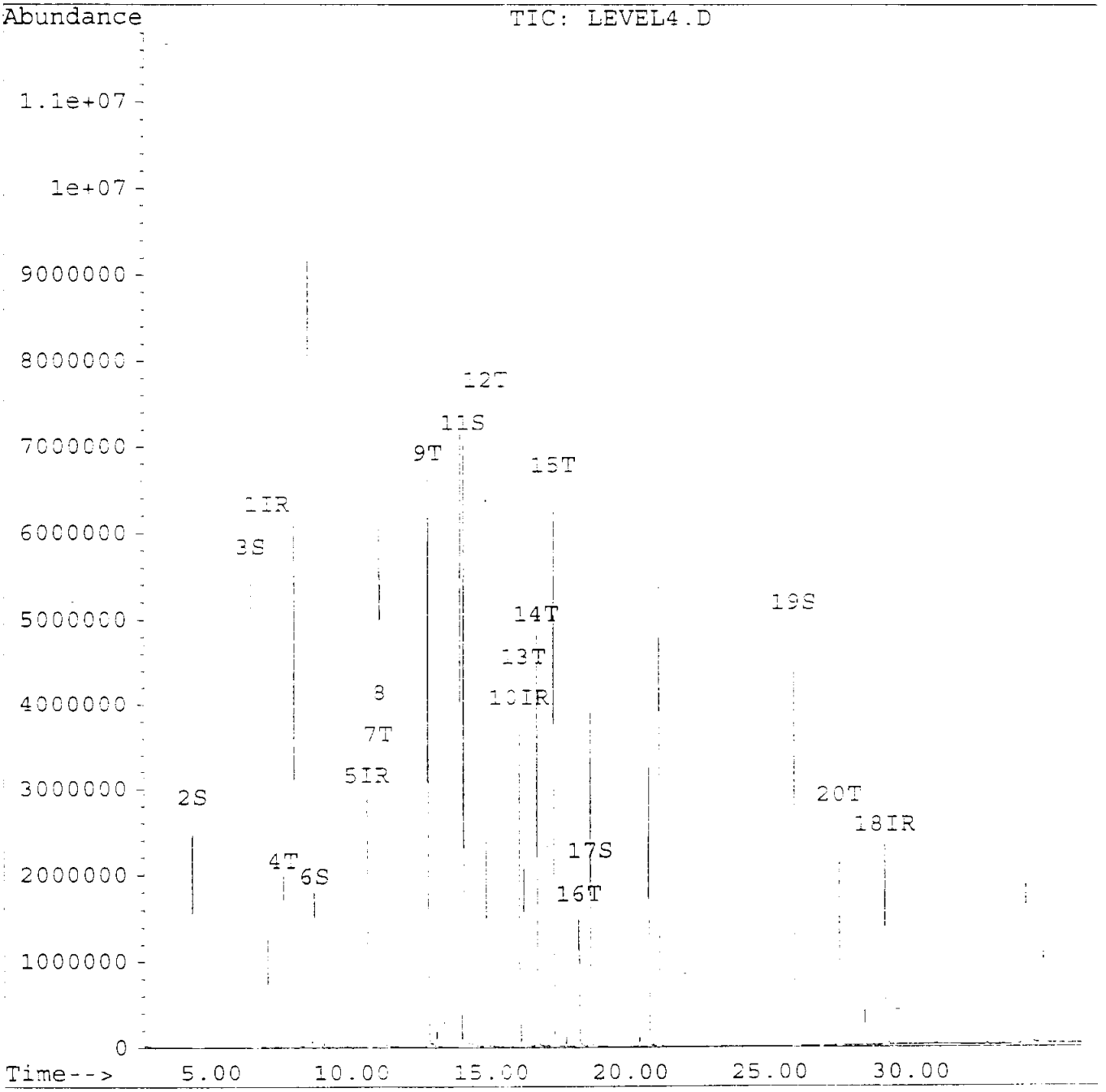
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL4.D
Acq On : 3 Aug 95 11:24 am
Sample : LEVEL4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:09 1995

Vial: 4
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL5.D Vial: 5
Acq On : 3 Aug 95 12:05 pm Operator: LAW
Sample : LEVEL5 100 - 200 ug/ml Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 9:09 1995

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

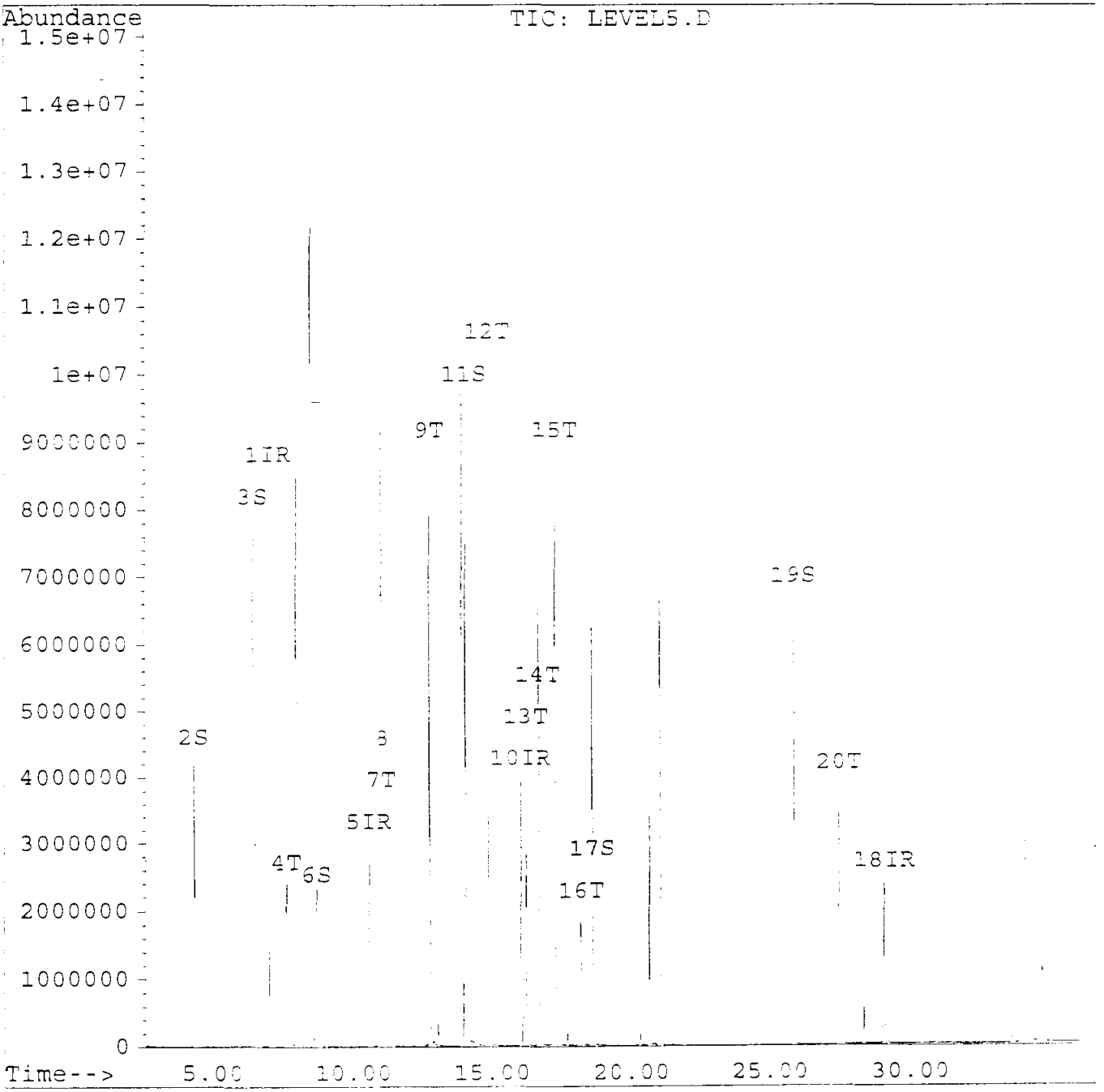
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1253281	40.00	ug/ml	0.02
5) Naphthalene-d8	10.57	136	4683718	40.00	ug/ml	0.01
10) Acenaphthene-d10	16.03	164	2617871	40.00	ug/ml	0.01
18) Chrysene-d12	29.08	240	2697309	40.00	ug/ml	0.01
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.35	112	8682176	196.71	ug/ml	98.36%
3) Phenol-d5 (SURR)	6.46	99	10756204	198.87	ug/ml	99.44%
6) Nitrobenzene-d5 (SURROGATE	8.69	82	4068856	99.37	ug/ml	99.37%
11) 2-Fluorobiphenyl (SURROGAT	14.04	172	9020855	99.73	ug/ml	99.73%
17) 2,4,6-Tribromophenol (SURR	18.60	330	2434950	212.93	ug/ml	106.46%
19) p-Terphenyl-d14 (SURROGATE	25.87	244	7463146	100.01	ug/ml	100.01%
Target Compounds						Qvalue
4) Benzyl alcohol	7.62	108	3062565	100.55	ug/ml	98
7) 2,6-Dichlorophenol	11.00	162	8143294	201.27	ug/ml	99
8) 4 - Chloroaniline	11.05	127	6062080	102.31	ug/ml	99
9) 2-Methylnaphthalene	12.76	142	8729575	97.51	ug/ml	100
12) 2-Nitroaniline	14.87	65	2142904	102.17	ug/ml	98
13) 3-Nitroaniline	16.22	138	2731755	108.20	ug/ml	99
14) Dibenzofuran	16.67	168	10881667	98.48	ug/ml	99
15) 2,3,4,6-Tetrachlorophenol	17.28	232	3915017	210.19	ug/ml	98
16) 4-Nitroaniline	18.20	138	2582358	109.68	ug/ml	97
20) 3,3-Dimethylbenzidine	27.47	212	4612778	100.80	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0803\LEVEL5.D
Acq On : 3 Aug 95 12:05 pm
Sample : LEVEL5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 9:09 1995

Vial: 5
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

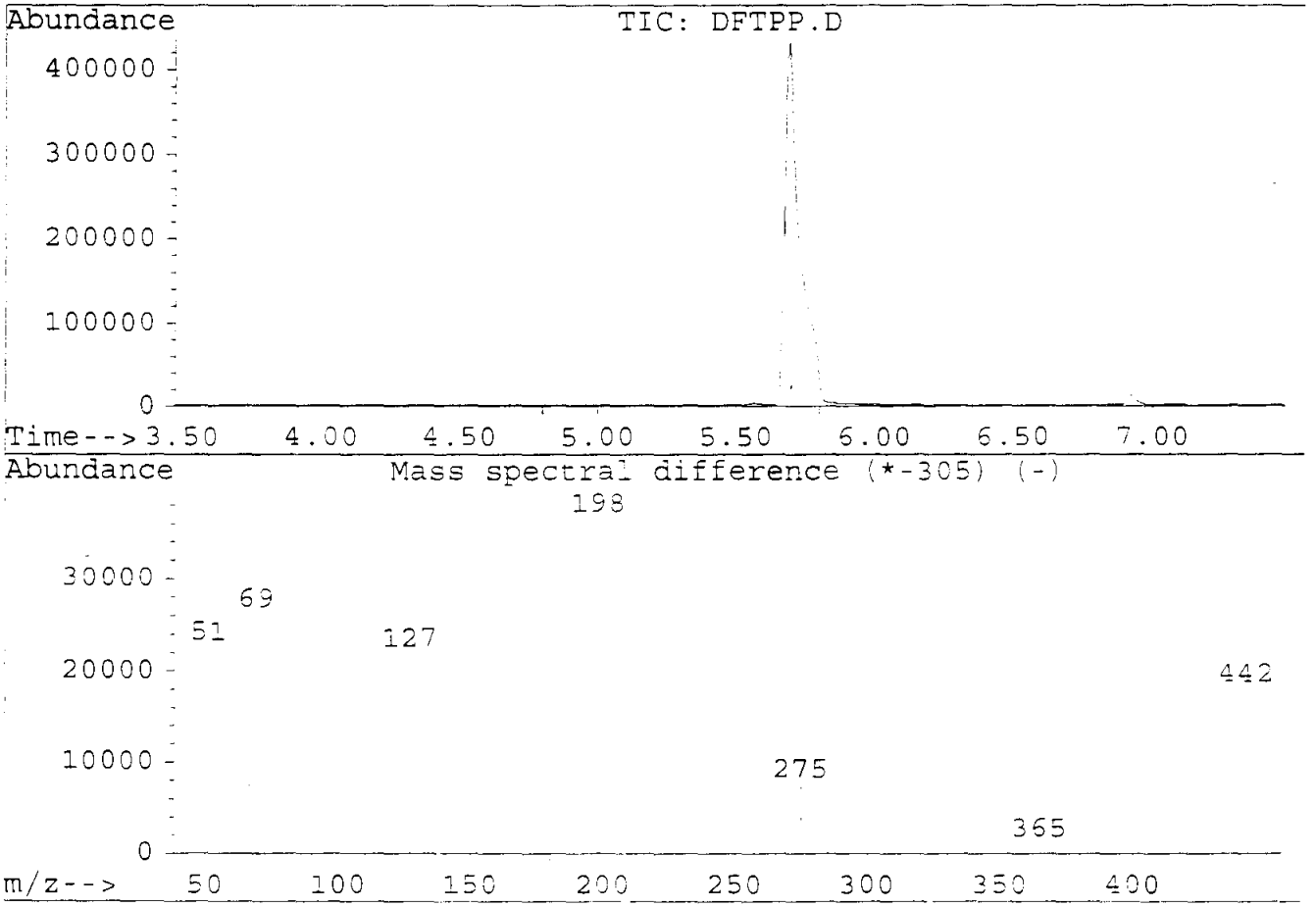


EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0806\DFTPP.D
Acq On : 6 Aug 95 5:52 am
Sample : DFTPP
Misc :

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



Peak Apex is scan: 305

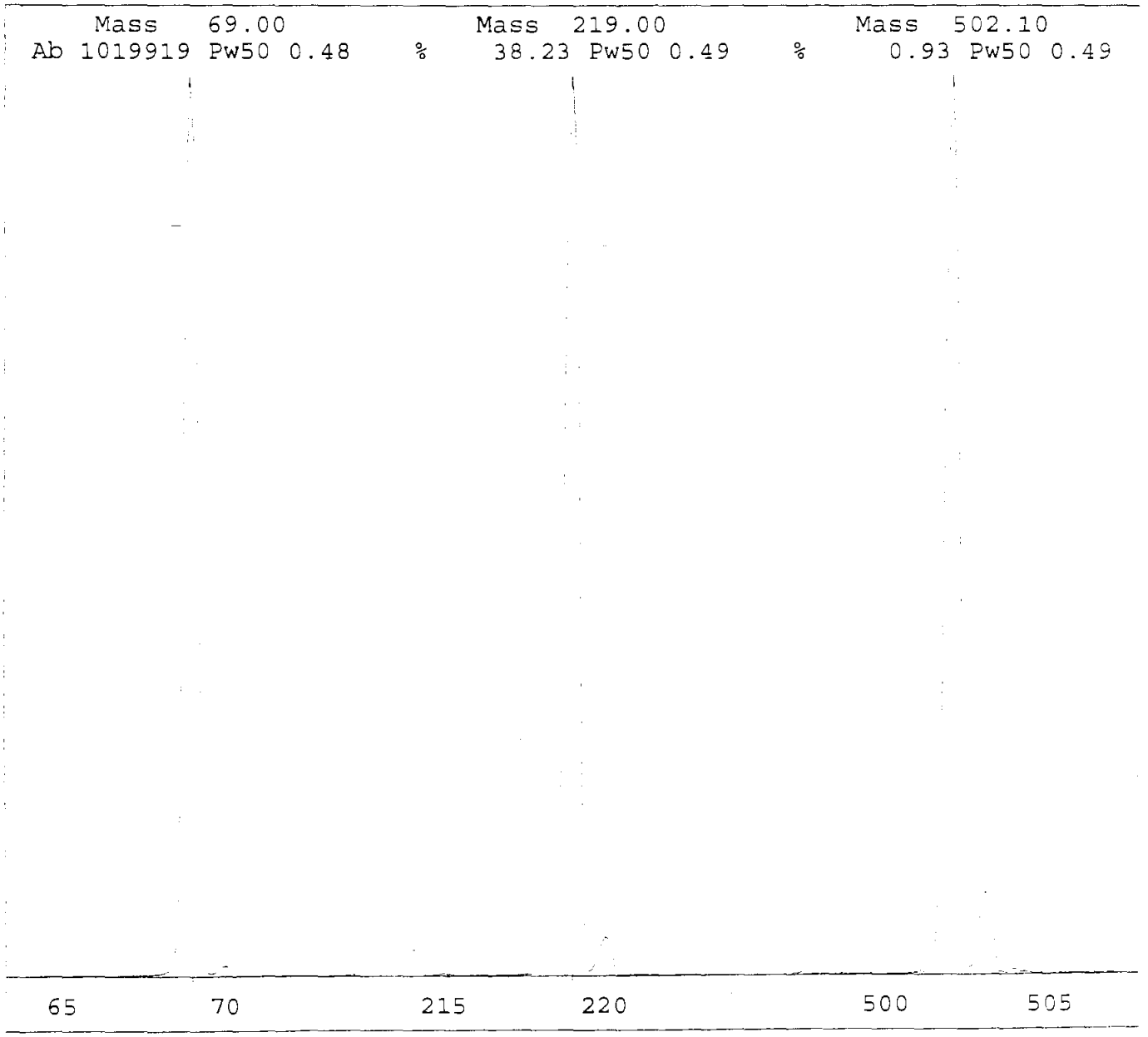
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.1	22447	PASS
68	69	0	2	1.3	348	PASS
69	198	0	100	68.4	26010	PASS
70	69	0	2	0.5	130	PASS
127	198	40	60	57.2	21735	PASS
197	198	0	1	0.5	209	PASS
198	198	100	100	100.0	38002	PASS
199	198	5	9	6.7	2563	PASS
275	198	10	30	19.4	7355	PASS
365	198	1	100	2.6	991	PASS
441	443	0	100	74.2	2517	PASS
442	198	40	100	46.9	17820	PASS
443	442	17	23	19.0	3390	PASS

DFTPP.D DFTPP.M Sun Aug 06 06:02:38 1995

Instrument: 5971 - Instrument1
Sun Aug 06 06:11:03 1995 C:\HPCHEM\1\5971\ATUNE.U

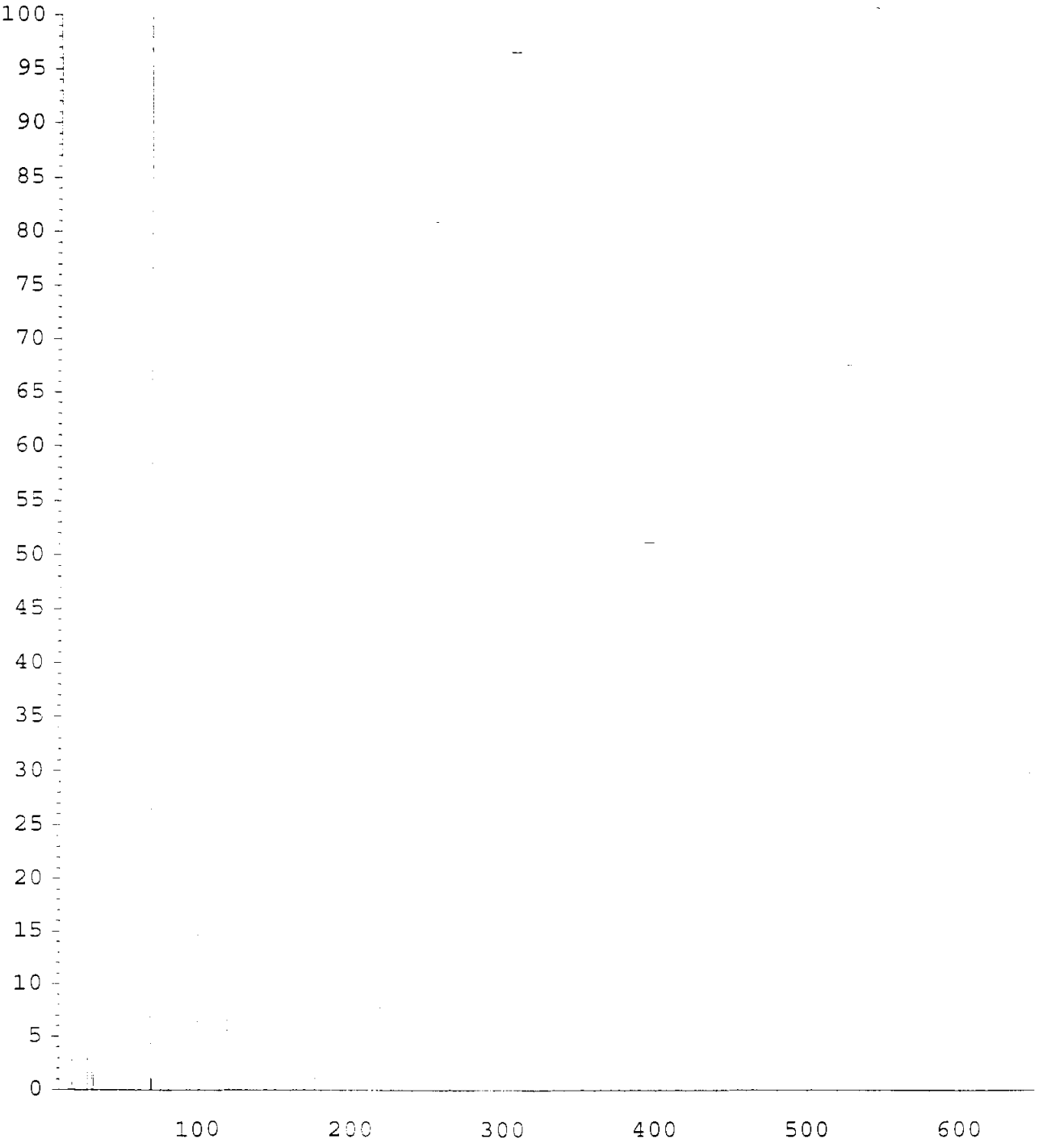
EMVolts	2200	AmuGain	393
Xray	64.1	AmuOffs	85
Emission	ON	Wid219	0.001
MS Temp	173	TTI	OFF
Vacuum	38	DC Pol	NEG
Samples	16	Repeller	19.57
Averages	1	IonFocus	47.0
StepSize	0.10	EntLens	0.00
MassGain	-166	EntOffs	VAR
MassOffs	3	Filament	2

PFTBA OPEN



Sun Aug 06 06:09:43 1995

Scan: 10.00 - 650.00 Samples: 16 Thresh: 150 Step: 0.10
128 peaks Base: 69.00 Abundance: 821248



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	821248	100.00	69.95	9080	1.11
219.00	343296	41.80	220.00	14606	4.25
502.10	7546	0.92	503.05	651	8.63

Response Factor Report 5971 - In

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Initial Calibration

Calibration Files
1 =S1LEV1.D 2 =S1LEV2.D 3 =S1LEV3.D
4 =S1LEV4.D 5 =S1LEV5.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	IR	1,4-Dichlorobenzene-d	ISTD						
2)	T	Pyridine	0.784	1.175	1.083	1.105	1.099	1.0	14.52
3)	T	N-Nitrosodimethylamin	0.784	0.911	0.837	0.855	0.843	0.8	5.39
4)	S	2-Fluorophenol (SURR)	1.235	1.440	1.384	1.433	1.400	1.4	6.06
5)	S	Phenol-d5 (SURR)	1.848	1.926	1.900	1.956	2.031	1.9	3.52
6)	TCM	Phenol (CCC)	1.846	1.884	1.869	1.921	2.005	1.9	3.27
7)	T	Bis(2-chloroethyl)eth	1.591	1.592	1.595	1.296	1.339	1.5	10.20
8)	TM	2-Chlorophenol	1.582	1.591	1.555	1.616	1.656	1.6	2.39
9)	T	1,3-Dichlorobenzene	1.329	1.374	1.309	1.355	1.345	1.3	1.84
10)	TCM	1,4-Dichlorobenzene (	1.678	1.708	1.671	1.731	1.743	1.7	1.86
11)	T	1,2-Dichlorobenzene	1.234	1.316	1.280	1.309	1.304	1.3	2.59
12)	T	o-Cresol	1.230	1.335	1.308	1.334	1.382	1.3	4.24
13)	T	Bis(2-chloroisopropyl	1.830	1.867	1.793	1.801	1.824	1.8	1.59
14)	T	m,p-Cresol	1.415	1.588	1.573	1.603	1.675	1.6	6.07
15)	TPM	n-Nitrosodi-n-propyla	0.879	0.966	0.907	0.884	0.992	0.9	5.46
16)	T	Hexachloroethane	0.520	0.576	0.570	0.582	0.579	0.6	4.57
17)	IR	Naphthalene-d8	ISTD						
18)	S	Nitrobenzene-d5 (SURR	0.374	0.390	0.385	0.386	0.394	0.4	1.90
19)	T	Nitrobenzene	0.382	0.398	0.394	0.397	0.397	0.4	1.71
20)	T	Isophorone	0.742	0.766	0.746	0.742	0.763	0.8	1.55
21)	TC	2-Nitrophenol (CCC)	0.198	0.221	0.225	0.233	0.239	0.2	7.02
22)	T	2,4-Dimethylphenol	0.274	0.280	0.269	0.270	0.266	0.3	1.98
23)	T	Bis(2-chloroethoxy)me	0.418	0.441	0.436	0.440	0.450	0.4	2.69
24)	TC	2,4-Dichlorophenol (C	0.264	0.295	0.301	0.306	0.310	0.3	6.18
25)	TM	1,2,4-Trichlorobenzen	0.295	0.308	0.308	0.308	0.310	0.3	1.93
26)	T	Naphthalene	1.021	1.106	1.098	1.120	1.143	1.1	4.19
27)	TC	Hexachlorobutadiene (	0.173	0.186	0.171	0.171	0.172	0.2	3.67
28)	TCM	4-Chloro-3-methylphen	0.270	0.334	0.321	0.322	0.335	0.3	8.42
29)	IR	Acenaphthene-d10	ISTD						
30)	TP	Hexachlorocyclopentad	0.106	0.156	0.176	0.192	0.231	0.2	26.60#
31)	T	2,4,5-Trichlorophenol	0.290	0.338	0.352	0.362	0.373	0.3	9.43
32)	TC	2,4,6-Trichlorophenol	0.280	0.324	0.355	0.361	0.388	0.3	12.02
33)	S	2-Fluorobiphenyl (SUR	1.266	1.396	1.411	1.432	1.480	1.4	5.72
34)	T	2-Chloronaphthalene	1.038	1.128	1.115	1.133	1.154	1.1	3.99
35)	T	Dimethylphthalate	1.350	1.510	1.531	1.517	1.533	1.5	5.24
36)	T	Acenaphthylene	1.799	2.011	2.014	2.048	2.063	2.0	5.41
37)	T	2,6-Dinitrotoluene	0.271	0.336	0.348	0.357	0.363	0.3	11.14
38)	TCM	Acenaphthene (CCC)	0.998	1.078	1.110	1.104	1.156	1.1	5.36
39)	TP	2,4-Dinitrophenol (SP	0.021	0.106	0.150	0.174	0.208	0.1	54.64#
40)	TPM	4-Nitrophenol (SPCC)	0.134	0.226	0.251	0.262	0.284	0.2	25.17#
41)	TM	2,4-Dinitrotoluene	0.362	0.442	0.451	0.457	0.458	0.4	9.39

(#) = Out of Range

00141

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Initial Calibration

Calibration Files
1 =S1LEV1.D 2 =S1LEV2.D 3 =S1LEV3.D
4 =S1LEV4.D 5 =S1LEV5.D

		Compound	1	2	3	4	5	Avg	%RSD
42)	T	Diethylphthalate	1.418	1.508	1.534	1.564	1.580	1.5	4.18
43)	T	Fluorene	1.205	1.303	1.311	1.329	1.358	1.3	4.45
44)	T	4-Chlorophenyl phenyl	0.511	0.539	0.561	0.571	0.594	0.6	5.73
45)	IR	Phenanthrene-d10	ISTD						
46)	T	4,6-Dinitro-2-methylp	0.072	0.159	0.191	0.208	0.233	0.2	36.19
47)	TC	N-Nitrosodiphenylamin	0.628	0.721	0.725	0.767	0.800	0.7	8.90
48)	S	2,4,6-Tribromophenol	0.079	0.102	0.106	0.114	0.118	0.1	14.45
49)	T	4-Bromophenyl phenyl	0.171	0.195	0.187	0.192	0.194	0.2	5.34
50)	T	Hexachlorobenzene	0.186	0.203	0.203	0.214	0.216	0.2	5.70
51)	TCM	Pentachlorophenol (CC	0.041	0.096	0.120	0.135	0.149	0.1	39.11
52)	T	Phenanthrene	1.163	1.259	1.239	1.286	1.291	1.2	4.15
53)	T	Anthracene	1.182	1.283	1.261	1.314	1.329	1.3	4.54
54)	T	Di-n-butylphthalate	1.566	1.644	1.603	1.657	1.612	1.6	2.23
55)	TC	Fluoranthene (CCC)	1.007	1.005	0.960	1.002	0.998	1.0	1.96
56)	IR	Chrysene-d12	ISTD						
57)	TM	Pyrene	2.053	2.321	2.424	2.482	2.370	2.3	7.14
58)	S	p-Terphenyl-d14 (SURR	1.256	1.410	1.480	1.530	1.481	1.4	7.47
59)	T	Benzo(a)anthracene	1.228	1.302	1.299	1.343	1.323	1.3	3.35
60)	T	Chrysene	1.193	1.231	1.195	1.244	1.253	1.2	2.28
61)	T	Bis(2-ethylhexyl)phth	1.171	1.231	1.223	1.298	1.298	1.2	4.35
62)	TC	Di-n-octylphthalate (	1.667	1.855	1.759	1.927	1.969	1.8	6.72
63)	IR	Perylene-d12	ISTD						
64)	T	Benzo(b)fluoranthene	1.143	1.130	2.725	2.835	2.729	2.1	42.23
65)	T	Benzo(k)fluoranthene	1.277	1.209	2.750	2.863	2.741	2.2	39.03
66)	TC	Benzo(a)pyrene (CCC)	1.075	1.144	1.142	1.155	1.152	1.1	2.93
67)	T	Indeno(1,2,3-cd)pyren	0.816	0.911	0.853	0.865	0.934	0.9	5.37
68)	T	Dibenzo(a,h)anthracen	0.711	0.793	0.738	0.741	0.798	0.8	4.99
69)	T	Benzo(g,h,i)perylene	0.671	0.732	0.651	0.635	0.666	0.7	5.47

(#) = Out of Range

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV1.D Vial: 1
Acq On : 6 Aug 95 6:17 am Operator: JFS
Sample : S1LEV1 10 - 20 ug/ml Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 10:33 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	580936	40.00	ug/ml	-0.02
17) Naphthalene-d8	10.53	136	2159618	40.00	ug/ml	-0.02
29) Acenaphthene-d10	15.99	164	1208972	40.00	ug/ml	-0.01
45) Phenanthrene-d10	20.62	188	1656676	40.00	ug/ml	-0.01
56) Chrysene-d12	29.04	240	794763	40.00	ug/ml	0.00
63) Perylene-d12	34.58	264	502370	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.33	112	358619	17.36	ug/ml	0.26%
5) Phenol-d5 (SURR)	6.43	99	536729	19.44	ug/ml	0.29%
18) Nitrobenzene-d5 (SURROGATE	8.57	82	201943	9.95	ug/ml	0.30%
33) 2-Fluorobiphenyl (SURROGAT	13.96	172	382649	9.56	ug/ml	0.29%
48) 2,4,6-Tribromophenol (SURR	18.52	330	65805	12.83	ug/ml	0.19%
58) p-Terphenyl-d14 (SURROGATE	25.79	244	249591	10.81	ug/ml	0.32%
Target Compounds						Qvalue
2) Pyridine	2.48	79	113896	5.34	ug/ml	8
3) N-Nitrosodimethylamine	2.53	42	113837	12.52	ug/ml#	8
6) Phenol (CCC)	6.45	94	536210	18.03	ug/ml	94
7) Bis(2-chloroethyl)ether	6.47	93	230997	8.74	ug/ml	87
8) 2-Chlorophenol	6.59	128	459597	20.89	ug/ml	96
9) 1,3-Dichlorobenzene	6.86	146	193055	9.91	ug/ml	99
10) 1,4-Dichlorobenzene (CCC)	7.00	146	243768	11.73	ug/ml	99
11) 1,2-Dichlorobenzene	7.49	146	179226	9.54	ug/ml	98
12) o-Cresol	7.94	108	357325	10.75	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	7.85	45	265751	8.94	ug/ml#	100
14) m,p-Cresol	8.39	107	822088	23.10	ug/ml	99
15) n-Nitrosodi-n-propylamine(	8.24	70	127733	9.06	ug/ml	95
16) Hexachloroethane	8.28	117	75520	11.16	ug/ml	95
19) Nitrobenzene	8.61	77	206127	9.70	ug/ml	98
20) Isophorone	9.26	82	400577	8.58	ug/ml	98
21) 2-Nitrophenol (CCC)	9.52	139	213591	17.08	ug/ml	94
22) 2,4-Dimethylphenol	9.83	122	296219	17.23	ug/ml	96
23) Bis(2-chloroethoxy)methane	10.01	93	225752	8.18	ug/ml	98
24) 2,4-Dichlorophenol (CCC)	10.27	162	285494	18.03	ug/ml	100
25) 1,2,4-Trichlorobenzene	10.40	180	159496	9.20	ug/ml	99
26) Naphthalene	10.58	128	551425	10.00	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.16	225	93628	9.83	ug/ml	98
28) 4-Chloro-3-methylphenol(CC	12.64	107	291743	17.37	ug/ml#	1
30) Hexachlorocyclopentadiene(	13.40	237	32155	7.26	ug/ml	97
31) 2,4,5-Trichlorophenol	13.75	196	175071	14.70	ug/ml	99
32) 2,4,6-Trichlorophenol (CCC	13.92	196	169537	8.26	ug/ml	97
34) 2-Chloronaphthalene	14.18	162	313827	9.61	ug/ml	9
35) Dimethylphthalate	15.47	163	407911	9.47	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV1.D
Acq On : 6 Aug 95 6:17 am
Sample : S1LEV1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 10:33 1995

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Acenaphthylene	15.49	152	543726	9.60	ug/ml	99
37)	2,6-Dinitrotoluene	15.64	165	81848	7.76	ug/ml	89
38)	Acenaphthene (CCC)	16.08	154	301490	9.29	ug/ml	99
39)	2,4-Dinitrophenol (SPCC)	16.40	184	12903	4.18	ug/ml#	22
40)	4-Nitrophenol (SPCC)	17.04	139	81043	8.94	ug/ml#	23
41)	2,4-Dinitrotoluene	16.83	165	109383	8.14	ug/ml	92
42)	Diethylphthalate	17.69	149	428721	11.09	ug/ml	99
43)	Fluorene	17.66	166	364143	9.77	ug/ml	98
44)	4-Chlorophenyl phenyl ethe	17.76	204	154335	8.41	ug/ml	99
46)	4,6-Dinitro-2-methylphenol	18.09	198	59445	8.42	ug/ml	98
47)	N-Nitrosodiphenylamine (CC	18.20	169	259903	10.21	ug/ml	97
49)	4-Bromophenyl phenyl ether	19.27	248	70709	7.93	ug/ml	99
50)	Hexachlorobenzene	19.63	284	77198	7.77	ug/ml	97
51)	Pentachlorophenol (CCC)	20.33	266	34109	4.98	ug/ml	98
52)	Phenanthrene	20.68	178	481600	9.77	ug/ml	100
53)	Anthracene	20.82	178	489541	9.83	ug/ml	99
54)	Di-n-butylphthalate	22.81	149	648386	10.25	ug/ml	99
55)	Fluoranthene (CCC)	24.45	202	416877	8.32	ug/ml	97
57)	Pyrene	25.14	202	407817	11.96	ug/ml	99
59)	Benzo(a)anthracene	28.98	228	243918	9.74	ug/ml	98
60)	Chrysene	29.11	228	237036	10.24	ug/ml	99
61)	Bis(2-ethylhexyl)phthalate	29.40	149	232731	11.58	ug/ml	100
62)	Di-n-octylphthalate (CCC)	31.46	149	331185	9.59	ug/ml	100
64)	Benzo(b)fluoranthene	32.90	252	143542	7.21	ug/ml	94
65)	Benzo(k)fluoranthene	32.90	252	160392	7.89	ug/ml	93
66)	Benzo(a)pyrene (CCC)	34.26	252	134997	9.82	ug/ml	96
67)	Indeno(1,2,3-cd)pyrene	39.71	276	102478	9.86	ug/ml	69
68)	Dibenzo(a,h)anthracene	39.79	278	89323	10.20	ug/ml	97
69)	Benzo(g,h,i)perylene	40.46	276	84233	10.70	ug/ml#	42

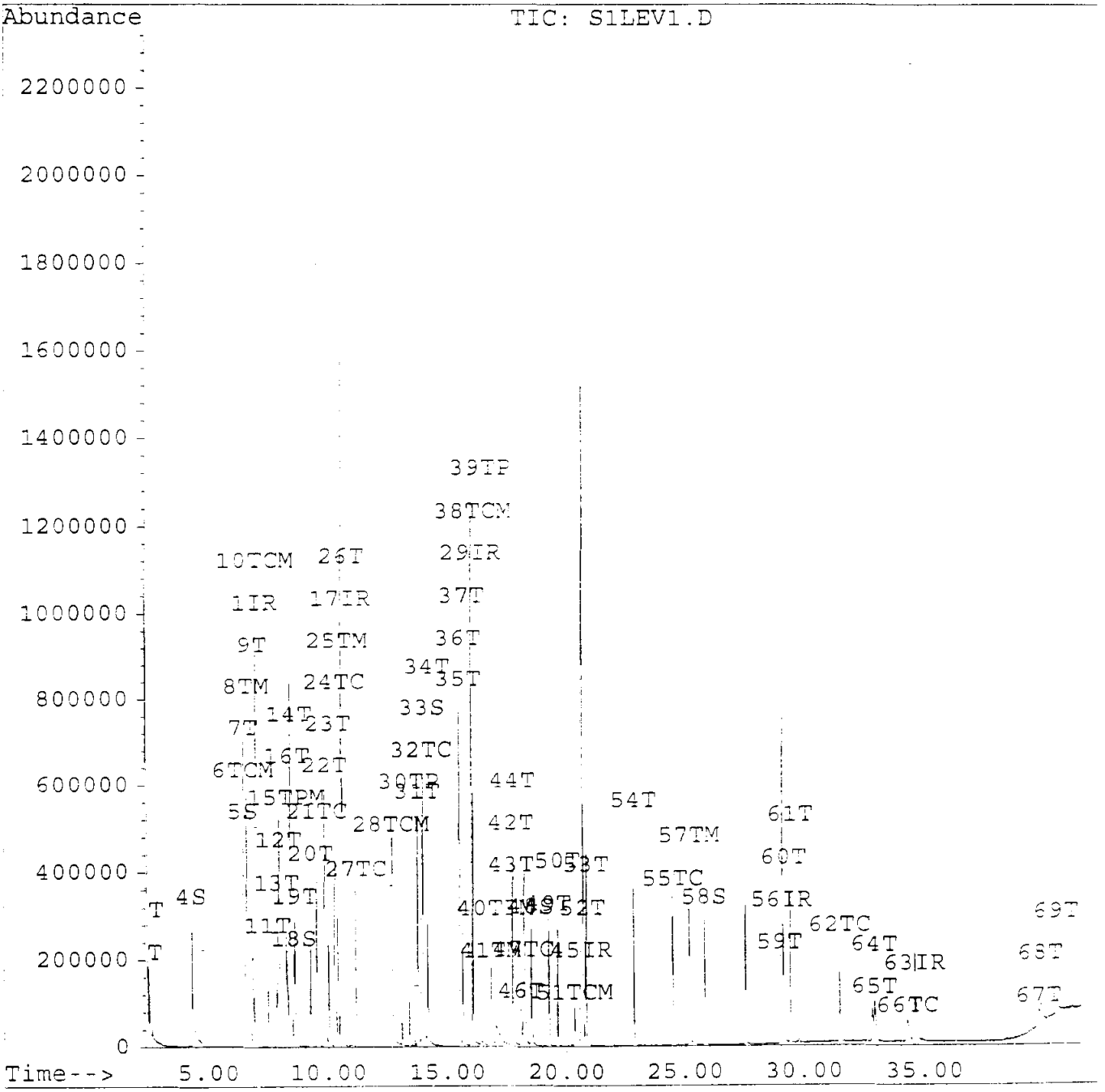
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV1.D
Acq On : 6 Aug 95 6:17 am
Sample : S1LEV1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 10:33 1995

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration



001413

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV2.D
Acq On : 6 Aug 95 7:05 am
Sample : S1LEV2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:23 1995

Vial: 2
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	584210	40.00	ug/ml	0.00
17) Naphthalene-d8	10.55	136	2272487	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.00	164	1289751	40.00	ug/ml	0.00
45) Phenanthrene-d10	20.63	188	1652257	40.00	ug/ml	-0.01
56) Chrysene-d12	29.05	240	688104	40.00	ug/ml	0.00
63) Perylene-d12	34.58	264	437849	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.35	112	1261502	62.67	ug/ml	31.34%
5) Phenol-d5 (SURR)	6.46	99	1687404	59.80	ug/ml	29.90%
18) Nitrobenzene-d5 (SURROGATE	8.59	82	664347	30.32	ug/ml	30.32%
33) 2-Fluorobiphenyl (SURROGAT	13.98	172	1349972	29.97	ug/ml	29.97%
48) 2,4,6-Tribromophenol (SURR	18.54	330	252663	58.89	ug/ml	29.44%
58) p-Terphenyl-d14 (SURROGATE	25.80	244	727653	29.55	ug/ml	29.55%
Target Compounds						Qvalue
2) Pyridine	2.48	79	515048	33.61	ug/ml	94
3) N-Nitrosodimethylamine	2.54	42	399364	32.32	ug/ml	95
6) Phenol (CCC)	6.50	94	1651179	59.34	ug/ml	95
7) Bis(2-chloroethyl)ether	6.49	93	697353	32.21	ug/ml	87
8) 2-Chlorophenol	6.61	128	1394052	59.65	ug/ml	100
9) 1,3-Dichlorobenzene	6.88	146	601852	30.70	ug/ml	99
10) 1,4-Dichlorobenzene (CCC)	7.01	146	748496	30.03	ug/ml	100
11) 1,2-Dichlorobenzene	7.50	146	576620	30.64	ug/ml	98
12) o-Cresol	7.97	108	1169639	60.76	ug/ml	99
13) Bis(2-chloroisopropyl)ethe	7.86	45	817918	30.72	ug/ml#	100
14) m,p-Cresol	8.44	107	2783198	121.32	ug/ml	99
15) n-Nitrosodi-n-propylamine(	8.29	70	423438	31.31	ug/ml	98
16) Hexachloroethane	8.30	117	252578	30.59	ug/ml	97
19) Nitrobenzene	8.65	77	677495	30.30	ug/ml	98
20) Isophorone	9.30	82	1305473	30.56	ug/ml	99
21) 2-Nitrophenol (CCC)	9.55	139	754303	59.51	ug/ml	98
22) 2,4-Dimethylphenol	9.87	122	953408	61.74	ug/ml	97
23) Bis(2-chloroethoxy)methane	10.04	93	751793	30.28	ug/ml	99
24) 2,4-Dichlorophenol (CCC)	10.29	162	1006981	59.99	ug/ml	100
25) 1,2,4-Trichlorobenzene	10.42	180	525440	30.24	ug/ml	99
26) Naphthalene	10.60	128	1884544	30.22	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.17	225	317624	31.95	ug/ml	99
28) 4-Chloro-3-methylphenol(CC	12.65	107	1137571	63.26	ug/ml#	1
30) Hexachlorocyclopentadiene(	13.41	237	151198	30.96	ug/ml	100
31) 2,4,5-Trichlorophenol	13.77	196	654302	59.19	ug/ml	96
32) 2,4,6-Trichlorophenol (CCC	13.92	196	626011	56.84	ug/ml	94
34) 2-Chloronaphthalene	14.19	162	1091370	30.39	ug/ml	99
35) Dimethylphthalate	15.49	163	1460600	30.44	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV2.D
Acq On : 6 Aug 95 7:05 am
Sample : S1LEV2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:23 1995

Vial: 2
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	15.50	152	1945578	30.37 ug/ml	100
37) 2,6-Dinitrotoluene	15.67	165	325354	30.11 ug/ml	98
38) Acenaphthene (CCC)	16.10	154	1043006	29.70 ug/ml	97
39) 2,4-Dinitrophenol (SPCC)	16.37	184	205444	55.48 ug/ml	100
40) 4-Nitrophenol (SPCC)	17.00	139	437575	59.32 ug/ml	96
41) 2,4-Dinitrotoluene	16.86	165	427612	30.57 ug/ml	100
42) Diethylphthalate	17.72	149	1458494	29.74 ug/ml	99
43) Fluorene	17.68	166	1260027	30.04 ug/ml	100
44) 4-Chlorophenyl phenyl ethe	17.76	204	521710	29.14 ug/ml	99
46) 4,6-Dinitro-2-methylphenol	18.11	198	393046	57.67 ug/ml	98
47) N-Nitrosodiphenylamine (CC	18.23	169	893426	29.71 ug/ml	100
49) 4-Bromophenyl phenyl ether	19.28	248	241294	31.10 ug/ml	96
50) Hexachlorobenzene	19.65	284	252041	29.86 ug/ml	98
51) Pentachlorophenol (CCC)	20.33	266	238937	53.32 ug/ml	96
52) Phenanthrene	20.70	178	1559673	30.27 ug/ml	100
53) Anthracene	20.83	178	1589921	30.22 ug/ml	99
54) Di-n-butylphthalate	22.83	149	2037616	30.52 ug/ml	10
55) Fluoranthene (CCC)	24.47	202	1244946	30.32 ug/ml	98
57) Pyrene	25.16	202	1198003	29.89 ug/ml	100
59) Benzo(a)anthracene	28.98	228	671779	30.07 ug/ml	99
60) Chrysene	29.12	228	635519	30.20 ug/ml	100
61) Bis(2-ethylhexyl)phthalate	29.40	149	635195	29.68 ug/ml	99
62) Di-n-octylphthalate (CCC)	31.46	149	957552	30.33 ug/ml	100
64) Benzo(b)fluoranthene	32.93	252	371061	16.05 ug/ml	93
65) Benzo(k)fluoranthene	32.93	252	396903	16.73 ug/ml	95
66) Benzo(a)pyrene (CCC)	34.27	252	375729	30.28 ug/ml	97
67) Indeno(1,2,3-cd)pyrene	39.70	276	299160	31.20 ug/ml	100
68) Dibenzo(a,h)anthracene	39.79	278	260441	31.46 ug/ml	97
69) Benzo(g,h,i)perylene	40.47	276	240274	32.72 ug/ml	99

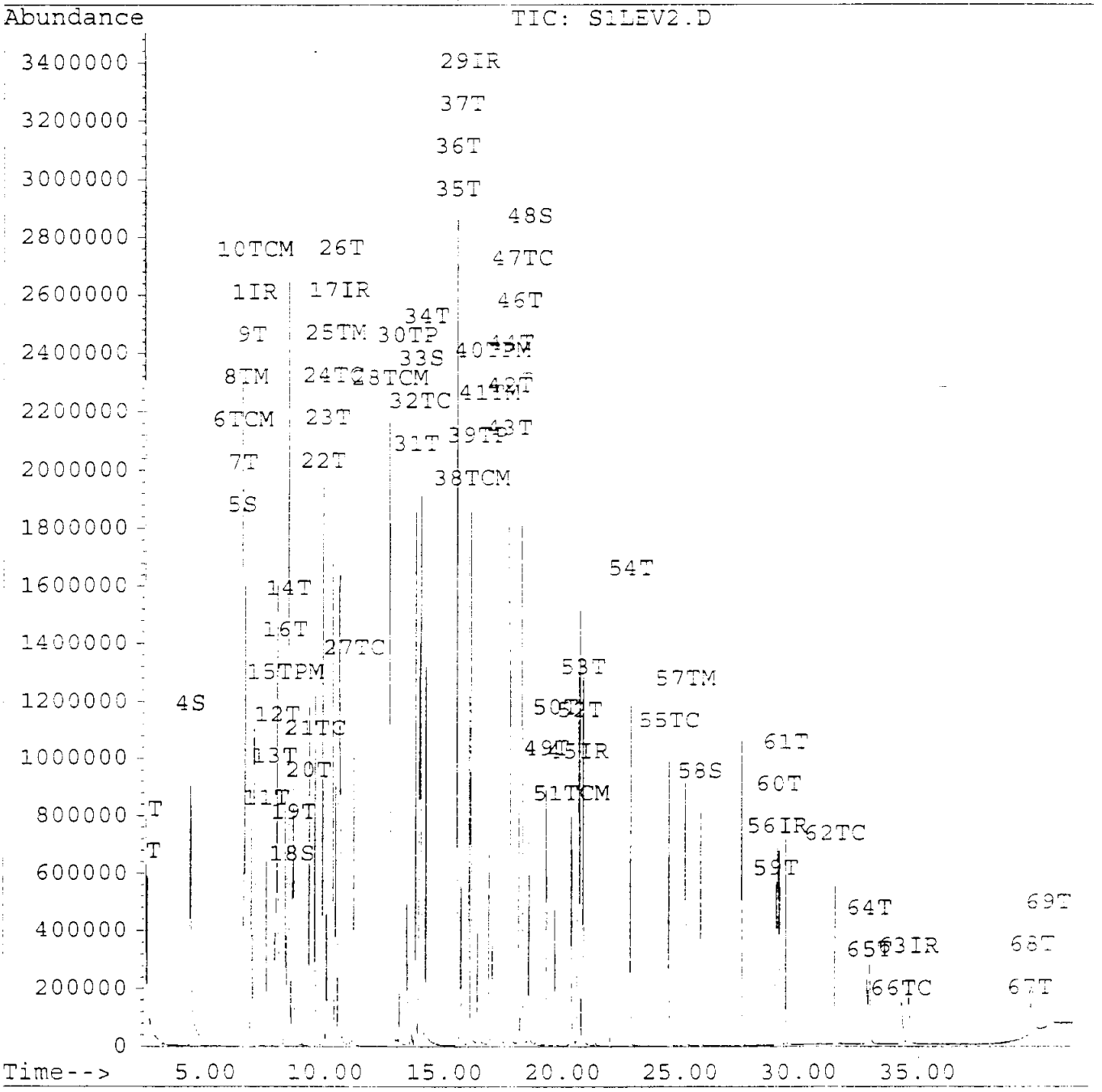
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV2.D
Acq On : 6 Aug 95 7:05 am
Sample : S1LEV2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:23 1995

Vial: 2
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV3.D Vial: 3
Acq On : 6 Aug 95 7:53 am Operator: JFS
Sample : S1LEV3 50 - 100 ul/ml 1ul injected Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 11:21 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	682296	40.00	ug/ml	0.00
17) Naphthalene-d8	10.56	136	2596965	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.00	164	1410336	40.00	ug/ml	0.00
45) Phenanthrene-d10	20.64	188	1838649	40.00	ug/ml	0.00
56) Chrysene-d12	29.05	240	694177	40.00	ug/ml	0.00
63) Perylene-d12	34.59	264	404714	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.35	112	2360531	100.41	ug/ml	50.21%
5) Phenol-d5 (SURR)	6.49	99	3240973	98.34	ug/ml	49.17%
18) Nitrobenzene-d5 (SURROGATE	8.61	82	1249547	49.91	ug/ml	49.91%
33) 2-Fluorobiphenyl (SURROGAT	14.00	172	2486784	50.49	ug/ml	50.49%
48) 2,4,6-Tribromophenol (SURR	18.57	330	488583	102.33	ug/ml	51.17%
58) p-Terphenyl-d14 (SURROGATE	25.81	244	1284645	51.71	ug/ml	51.71%
Target Compounds						Qvalu
2) Pyridine	2.49	79	924050	51.63	ug/ml	10
3) N-Nitrosodimethylamine	2.55	42	714125	49.48	ug/ml	100
6) Phenol (CCC)	6.53	94	3187980	98.10	ug/ml	100
7) Bis(2-chloroethyl)ether	6.51	93	1359966	53.79	ug/ml	100
8) 2-Chlorophenol	6.63	128	2652463	97.18	ug/ml	100
9) 1,3-Dichlorobenzene	6.88	146	1116214	48.75	ug/ml	100
10) 1,4-Dichlorobenzene (CCC)	7.02	146	1425092	48.96	ug/ml	100
11) 1,2-Dichlorobenzene	7.51	146	1091871	49.67	ug/ml	100
12) o-Cresol	7.98	108	2231841	99.27	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	7.86	45	1528976	49.17	ug/ml#	100
14) m,p-Cresol	8.49	107	5365485	200.26	ug/ml	100
15) n-Nitrosodi-n-propylamine(	8.34	70	773926	49.00	ug/ml	99
16) Hexachloroethane	8.31	117	485765	50.37	ug/ml	100
19) Nitrobenzene	8.67	77	1280415	50.11	ug/ml	100
20) Isophorone	9.34	82	2423030	49.63	ug/ml	100
21) 2-Nitrophenol (CCC)	9.58	139	1461252	100.88	ug/ml	100
22) 2,4-Dimethylphenol	9.90	122	1748959	99.11	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.07	93	1416366	49.91	ug/ml	100
24) 2,4-Dichlorophenol (CCC)	10.32	162	1954286	101.87	ug/ml	100
25) 1,2,4-Trichlorobenzene	10.42	180	998371	50.28	ug/ml	100
26) Naphthalene	10.62	128	3563655	50.01	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.18	225	555583	48.91	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	12.67	107	2086343	101.53	ug/ml	100
30) Hexachlorocyclopentadiene(	13.41	237	310497	50.66	ug/ml	100
31) 2,4,5-Trichlorophenol	13.79	196	1241865	102.73	ug/ml	100
32) 2,4,6-Trichlorophenol (CCC	13.94	196	1252743	104.02	ug/ml	10
34) 2-Chloronaphthalene	14.21	162	1965089	50.04	ug/ml	100
35) Dimethylphthalate	15.52	163	2699519	51.45	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV3.D Vial: 3
Acq On : 6 Aug 95 7:53 am Operator: JFS
Sample : S1LEV3 50 - 100 ul/ml 1ul injected Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 11:21 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	15.52	152	3549856	50.67 ug/ml	100
37) 2,6-Dinitrotoluene	15.70	165	614055	51.97 ug/ml	100
38) Acenaphthene (CCC)	16.12	154	1956713	50.95 ug/ml	100
39) 2,4-Dinitrophenol (SPCC)	16.40	184	530234	102.96 ug/ml	100
40) 4-Nitrophenol (SPCC)	17.03	139	883989	102.01 ug/ml	100
41) 2,4-Dinitrotoluene	16.89	165	794753	51.95 ug/ml	100
42) Diethylphthalate	17.75	149	2705055	50.44 ug/ml	100
43) Fluorene	17.70	166	2310369	50.37 ug/ml	100
44) 4-Chlorophenyl phenyl ethe	17.78	204	988665	50.50 ug/ml	100
46) 4,6-Dinitro-2-methylphenol	18.17	198	876372	102.17 ug/ml	100
47) N-Nitrosodiphenylamine (CC	18.25	169	1667289	49.82 ug/ml	100
49) 4-Bromophenyl phenyl ether	19.29	248	430099	49.81 ug/ml	100
50) Hexachlorobenzene	19.66	284	465664	49.57 ug/ml	100
51) Pentachlorophenol (CCC)	20.36	266	552887	110.86 ug/ml	100
52) Phenanthrene	20.72	178	2848120	49.67 ug/ml	100
53) Anthracene	20.86	178	2897097	49.48 ug/ml	100
54) Di-n-butylphthalate	22.84	149	3683732	49.58 ug/ml	100
55) Fluoranthene (CCC)	24.48	202	2205558	48.27 ug/ml	100
57) Pyrene	25.17	202	2103484	52.02 ug/ml	100
59) Benzo(a)anthracene	28.99	228	1127243	50.01 ug/ml	100
60) Chrysene	29.14	228	1036873	48.84 ug/ml	100
61) Bis(2-ethylhexyl)phthalate	29.41	149	1061273	49.15 ug/ml	100
62) Di-n-octylphthalate (CCC)	31.47	149	1525966	47.91 ug/ml	100
64) Benzo(b)fluoranthene	32.93	252	1378708	64.50 ug/ml	100
65) Benzo(k)fluoranthene	32.93	252	1391219	63.43 ug/ml	100
66) Benzo(a)pyrene (CCC)	34.28	252	577538	50.36 ug/ml	100
67) Indeno(1,2,3-cd)pyrene	39.69	276	431699	48.71 ug/ml	100
68) Dibenzo(a,h)anthracene	39.78	278	373417	48.80 ug/ml	100
69) Benzo(g,h,i)perylene	40.48	276	329357	48.52 ug/ml	100

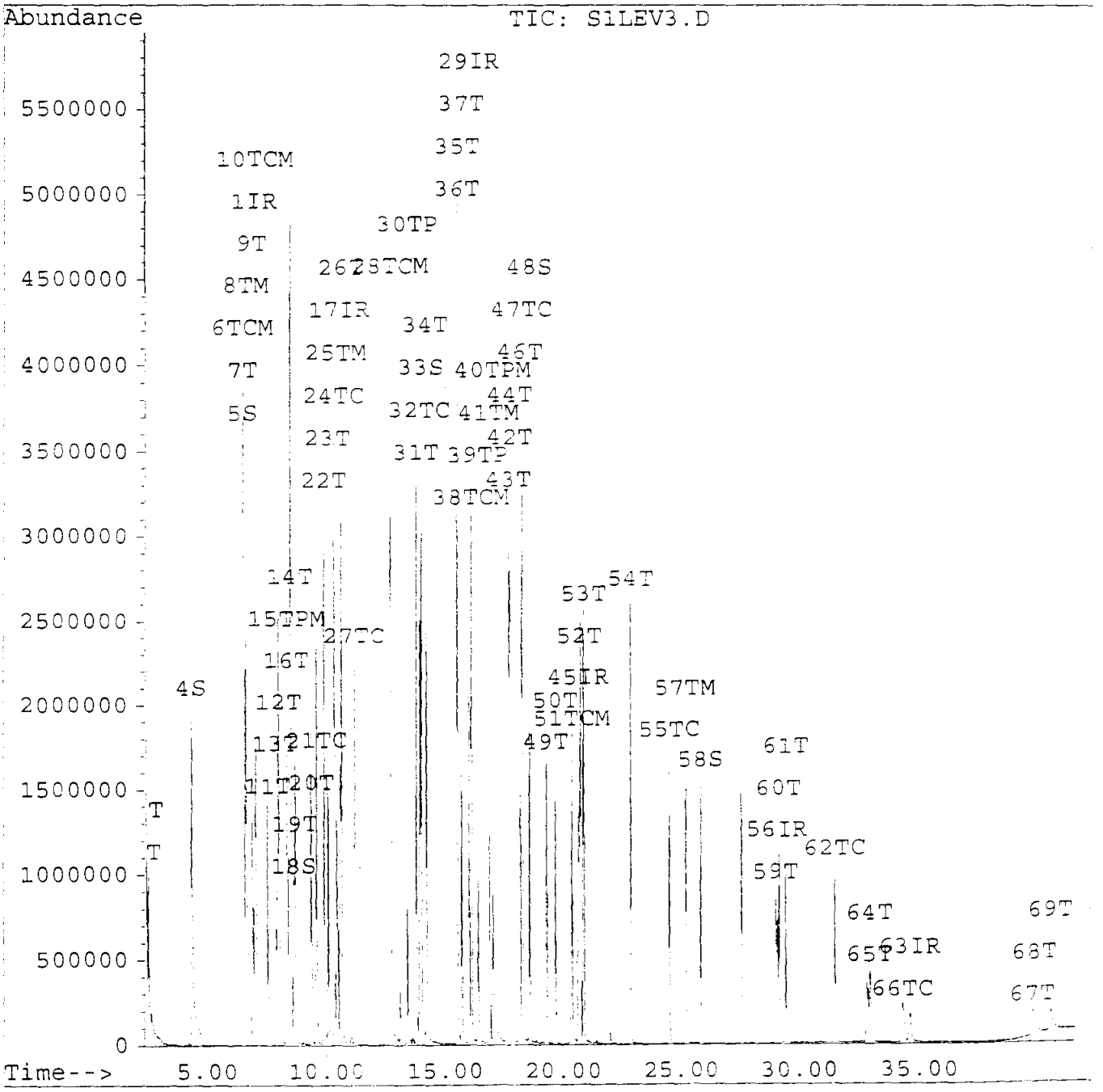
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV3.D
Acq On : 6 Aug 95 7:53 am
Sample : S1LEV3 50 - 100 ul/ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 11:21 1995

Vial: 3
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:21:50 1995
Response via : Multiple Level Calibration



001424

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV4.D Vial: 4
Acq On : 6 Aug 95 8:42 am Operator: JFS
Sample : S1LEV4 70 - 140 ug/ml Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 15 11:19 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:20:07 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	591218	40.00	ug/ml	0.00
17) Naphthalene-d8	10.56	136	2236305	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.01	164	1198713	40.00	ug/ml	0.00
45) Phenanthrene-d10	20.64	188	1511296	40.00	ug/ml	0.00
56) Chrysene-d12	29.06	240	579519	40.00	ug/ml	0.00
63) Perylene-d12	34.58	264	346459	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.35	112	2965798	145.59	ug/ml	72.80%
5) Phenol-d5 (SURR)	6.50	99	4046986	141.72	ug/ml	70.86%
18) Nitrobenzene-d5 (SURROGATE	8.62	82	1509954	70.04	ug/ml	70.04%
33) 2-Fluorobiphenyl (SURROGAT	14.01	172	3002975	71.74	ug/ml	71.74%
48) 2,4,6-Tribromophenol (SURR	18.58	330	601859	153.36	ug/ml	76.68%
58) p-Terphenyl-d14 (SURROGATE	25.81	244	1551596	74.82	ug/ml	74.82%
Target Compounds						Qvalue
2) Pyridine	2.49	79	1143361	73.72	ug/ml	96
3) N-Nitrosodimethylamine	2.55	42	884157	70.70	ug/ml	99
6) Phenol (CCC)	6.54	94	3976028	141.20	ug/ml	100
7) Bis(2-chloroethyl)ether	6.51	93	1341354	61.22	ug/ml	79
8) 2-Chlorophenol	6.63	128	3344034	141.40	ug/ml	99
9) 1,3-Dichlorobenzene	6.89	146	1402183	70.67	ug/ml	100
10) 1,4-Dichlorobenzene (CCC)	7.03	146	1791131	71.02	ug/ml	99
11) 1,2-Dichlorobenzene	7.51	146	1354591	71.12	ug/ml	99
12) o-Cresol	7.98	108	2761195	141.74	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	7.87	45	1863744	69.17	ug/ml#	100
14) m,p-Cresol	8.50	107	6634230	285.76	ug/ml	100
15) n-Nitrosodi-n-propylamine(	8.36	70	914954	66.86	ug/ml	95
16) Hexachloroethane	8.31	117	602220	72.06	ug/ml	100
19) Nitrobenzene	8.68	77	1554847	70.66	ug/ml	99
20) Isophorone	9.36	82	2905059	69.10	ug/ml	100
21) 2-Nitrophenol (CCC)	9.59	139	1821232	146.01	ug/ml	98
22) 2,4-Dimethylphenol	9.91	122	2113285	139.07	ug/ml	98
23) Bis(2-chloroethoxy)methane	10.08	93	1721033	70.43	ug/ml	99
24) 2,4-Dichlorophenol (CCC)	10.33	162	2396151	145.05	ug/ml	100
25) 1,2,4-Trichlorobenzene	10.43	180	1204261	70.43	ug/ml	99
26) Naphthalene	10.63	128	4384227	71.44	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.18	225	671107	68.61	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	12.68	107	2522330	142.54	ug/ml	98
30) Hexachlorocyclopentadiene(	13.41	237	402712	69.03	ug/ml	100
31) 2,4,5-Trichlorophenol	13.80	196	1517371	147.68	ug/ml	98
32) 2,4,6-Trichlorophenol (CCC	13.94	196	1513772	147.88	ug/ml	99
34) 2-Chloronaphthalene	14.22	162	2376266	71.20	ug/ml	100
35) Dimethylphthalate	15.52	163	3181593	71.34	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV4.D
Acq On : 6 Aug 95 8:42 am
Sample : S1LEV4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:19 1995

Vial: 4
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:20:07 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.53	152	4296847	72.16 ug/ml	100
37)	2,6-Dinitrotoluene	15.71	165	748192	74.51 ug/ml	98
38)	Acenaphthene (CCC)	16.12	154	2316144	70.96 ug/ml	99
39)	2,4-Dinitrophenol (SPCC)	16.41	184	731447	142.09 ug/ml	99
40)	4-Nitrophenol (SPCC)	17.04	139	1099557	140.52 ug/ml	98
41)	2,4-Dinitrotoluene	16.89	165	958368	73.71 ug/ml	99
42)	Diethylphthalate	17.76	149	3281171	71.99 ug/ml	100
43)	Fluorene	17.71	166	2786999	71.49 ug/ml	100
44)	4-Chlorophenyl phenyl ethe	17.79	204	1198054	72.00 ug/ml	100
46)	4,6-Dinitro-2-methylphenol	18.19	198	1102783	141.78 ug/ml	98
47)	N-Nitrosodiphenylamine (CC	18.27	169	2027674	73.71 ug/ml	99
49)	4-Bromophenyl phenyl ether	19.29	248	508991	71.72 ug/ml	99
50)	Hexachlorobenzene	19.67	284	565272	73.21 ug/ml	98
51)	Pentachlorophenol (CCC)	20.37	266	715229	174.48 ug/ml	97
52)	Phenanthrene	20.73	178	3401273	72.16 ug/ml	100
53)	Anthracene	20.87	178	3476125	72.23 ug/ml	99
54)	Di-n-butylphthalate	22.85	149	4381431	71.75 ug/ml	10
55)	Fluoranthene (CCC)	24.49	202	2649133	70.54 ug/ml	10
57)	Pyrene	25.18	202	2517154	74.57 ug/ml	100
59)	Benzo(a)anthracene	28.99	228	1361722	72.36 ug/ml	100
60)	Chrysene	29.14	228	1261867	71.20 ug/ml	100
61)	Bis(2-ethylhexyl)phthalate	29.41	149	1316237	73.02 ug/ml	99
62)	Di-n-octylphthalate (CCC)	31.47	149	1953824	73.48 ug/ml	100
64)	Benzo(b)fluoranthene	32.94	252	1718875	93.94 ug/ml	100
65)	Benzo(k)fluoranthene	32.94	252	1733639	92.44 ug/ml	99
66)	Benzo(a)pyrene (CCC)	34.30	252	700519	71.35 ug/ml	99
67)	Indeno(1,2,3-cd)pyrene	39.69	276	524547	69.14 ug/ml	99
68)	Dibenzo(a,h)anthracene	39.79	278	449158	68.57 ug/ml	98
69)	Benzo(g,h,i)perylene	40.46	276	385133	66.28 ug/ml	98

(#) = qualifier out of range (m) = manual integration

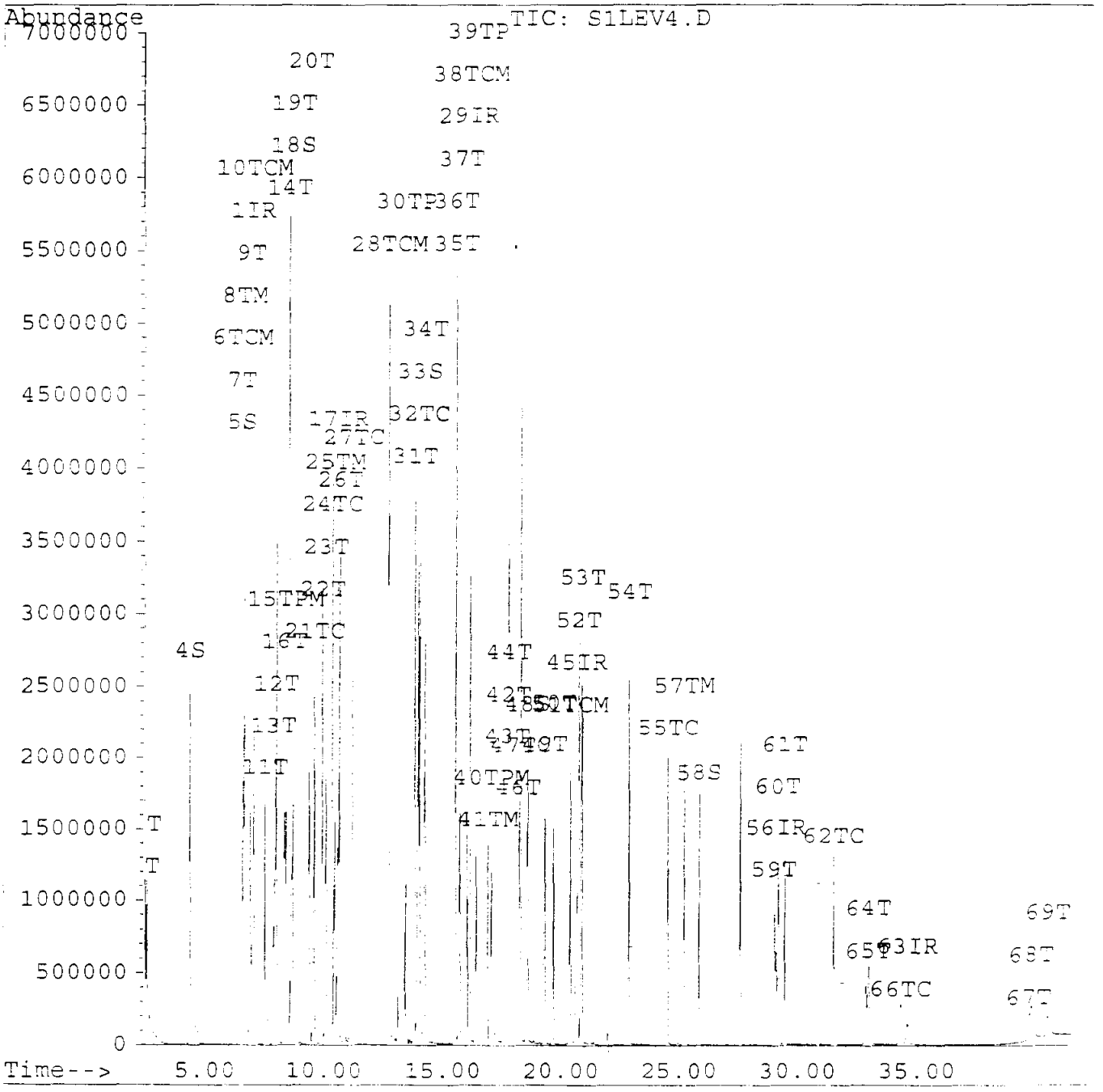
001426

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV4.D
Acq On : 6 Aug 95 8:42 am
Sample : S1LEV4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:19 1995

Vial: 4
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:20:07 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV5.D
Acq On : 6 Aug 95 9:34 am
Sample : S1LEV5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:17 1995

Vial: 5
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:17:48 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	663093	40.00	ug/ml	0.01
17) Naphthalene-d8	10.57	136	2546642	40.00	ug/ml	0.01
29) Acenaphthene-d10	16.01	164	1366720	40.00	ug/ml	0.00
45) Phenanthrene-d10	20.68	188	1746663	40.00	ug/ml	0.04
56) Chrysene-d12	29.07	240	701202	40.00	ug/ml	0.02
63) Perylene-d12	34.59	264	458413	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.36	112	4640819	203.13	ug/ml	101.56%
5) Phenol-d5 (SURR)	6.53	99	6734169	210.26	ug/ml	105.13%
18) Nitrobenzene-d5 (SURROGATE	8.65	82	2505581	102.05	ug/ml	102.05%
33) 2-Fluorobiphenyl (SURROGAT	14.03	172	5058478	105.99	ug/ml	105.99%
48) 2,4,6-Tribromophenol (SURR	18.61	330	1029581	227.00	ug/ml	113.50%
58) p-Terphenyl-d14 (SURROGATE	25.83	244	2595642	103.44	ug/ml	103.44%
Target Compounds						Qvalue
2) Pyridine	2.48	79	1821023	104.68	ug/ml	10
3) N-Nitrosodimethylamine	2.55	42	1398073	99.68	ug/ml	9
6) Phenol (CCC)	6.57	94	6648349	210.50	ug/ml	67
7) Bis(2-chloroethyl)ether	6.52	93	2219023	90.30	ug/ml#	69
8) 2-Chlorophenol	6.64	128	5491635	207.03	ug/ml	93
9) 1,3-Dichlorobenzene	6.89	146	2230025	100.21	ug/ml	100
10) 1,4-Dichlorobenzene (CCC)	7.04	146	2889821	102.16	ug/ml	99
11) 1,2-Dichlorobenzene	7.52	146	2161508	101.18	ug/ml	99
12) o-Cresol	8.00	108	4582995	209.76	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	7.92	45	3023970	100.07	ug/ml#	100
14) m,p-Cresol	8.55	107	11105024	426.48	ug/ml	99
15) n-Nitrosodi-n-propylamine(	8.57	70	1644167	106.92	ug/ml m	8
16) Hexachloroethane	8.31	117	959911	102.41	ug/ml	100
19) Nitrobenzene	8.71	77	2526923	100.84	ug/ml	97
20) Isophorone	9.40	82	4858560	101.49	ug/ml	98
21) 2-Nitrophenol (CCC)	9.62	139	3038771	213.94	ug/ml	97
22) 2,4-Dimethylphenol	9.95	122	3381961	195.44	ug/ml	98
23) Bis(2-chloroethoxy)methane	10.11	93	2865711	102.98	ug/ml	99
24) 2,4-Dichlorophenol (CCC)	10.37	162	3952931	210.13	ug/ml	99
25) 1,2,4-Trichlorobenzene	10.44	180	1974582	101.41	ug/ml	100
26) Naphthalene	10.66	128	7277393	104.14	ug/ml	99
27) Hexachlorobutadiene (CCC)	11.20	225	1097848	98.55	ug/ml	99
28) 4-Chloro-3-methylphenol(CC	12.70	107	4265738	211.69	ug/ml	98
30) Hexachlorocyclopentadiene(	13.42	237	787991	100.23	ug/ml	99
31) 2,4,5-Trichlorophenol	13.83	196	2546224	217.35	ug/ml	98
32) 2,4,6-Trichlorophenol (CCC	13.97	196	2649538	227.02	ug/ml	9
34) 2-Chloronaphthalene	14.25	162	3944403	103.66	ug/ml	10
35) Dimethylphthalate	15.55	163	5237575	103.01	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV5.D
Acq On : 6 Aug 95 9:34 am
Sample : S1LEV5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:17 1995

Vial: 5
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:17:48 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.55	152	7048175	103.81 ug/ml	99
37)	2,6-Dinitrotoluene	15.75	165	1241348	108.42 ug/ml	97
38)	Acenaphthene (CCC)	16.15	154	3949446	106.13 ug/ml	97
39)	2,4-Dinitrophenol (SPCC)	16.45	184	1422161	198.97 ug/ml	97
40)	4-Nitrophenol (SPCC)	17.12	139	1939726	199.47 ug/ml	97
41)	2,4-Dinitrotoluene	16.94	165	1564077	105.50 ug/ml	99
42)	Diethylphthalate	17.80	149	5397785	103.87 ug/ml	100
43)	Fluorene	17.74	166	4640669	104.40 ug/ml	99
44)	4-Chlorophenyl phenyl ethe	17.81	204	2030170	107.02 ug/ml	100
46)	4,6-Dinitro-2-methylphenol	18.27	198	2031307	199.06 ug/ml#	34
47)	N-Nitrosodiphenylamine (CC	18.31	169	3492571	109.85 ug/ml	92
49	4-Bromophenyl phenyl ether	19.32	248	847808	103.36 ug/ml	99
50)	Hexachlorobenzene	19.70	284	941774	105.54 ug/ml	98
51)	Pentachlorophenol (CCC)	20.41	266	1304698	275.39 ug/ml	99
52)	Phenanthrene	20.76	178	5636227	103.47 ug/ml	100
53)	Anthracene	20.91	178	5803454	104.34 ug/ml	99
54)	Di-n-butylphthalate	22.87	149	7039284	99.74 ug/ml	99
55)	Fluoranthene (CCC)	24.52	202	4356367	100.36 ug/ml	98
57)	Pyrene	25.21	202	4153987	101.70 ug/ml	100
59)	Benzo(a)anthracene	29.01	228	2319310	101.86 ug/ml	99
60)	Chrysene	29.17	228	2196263	102.42 ug/ml	99
61)	Bis(2-ethylhexyl)phthalate	29.42	149	2275479	104.33 ug/ml	99
62)	Di-n-octylphthalate (CCC)	31.49	149	3451451	107.28 ug/ml	100
64)	Benzo(b)fluoranthene	32.99	252	3128003	129.20 ug/ml	100
65)	Benzo(k)fluoranthene	32.99	252	3141083	126.43 ug/ml	100
66)	Benzo(a)pyrene (CCC)	34.32	252	1319902	101.60 ug/ml	100
67)	Indeno(1,2,3-cd)pyrene	39.70	276	1070783	106.66 ug/ml#	36
68)	Dibenzo(a,h)anthracene	39.78	278	914597	105.53 ug/ml	99
69)	Benzo(g,h,i)perylene	40.48	276	762740	99.21 ug/ml	100

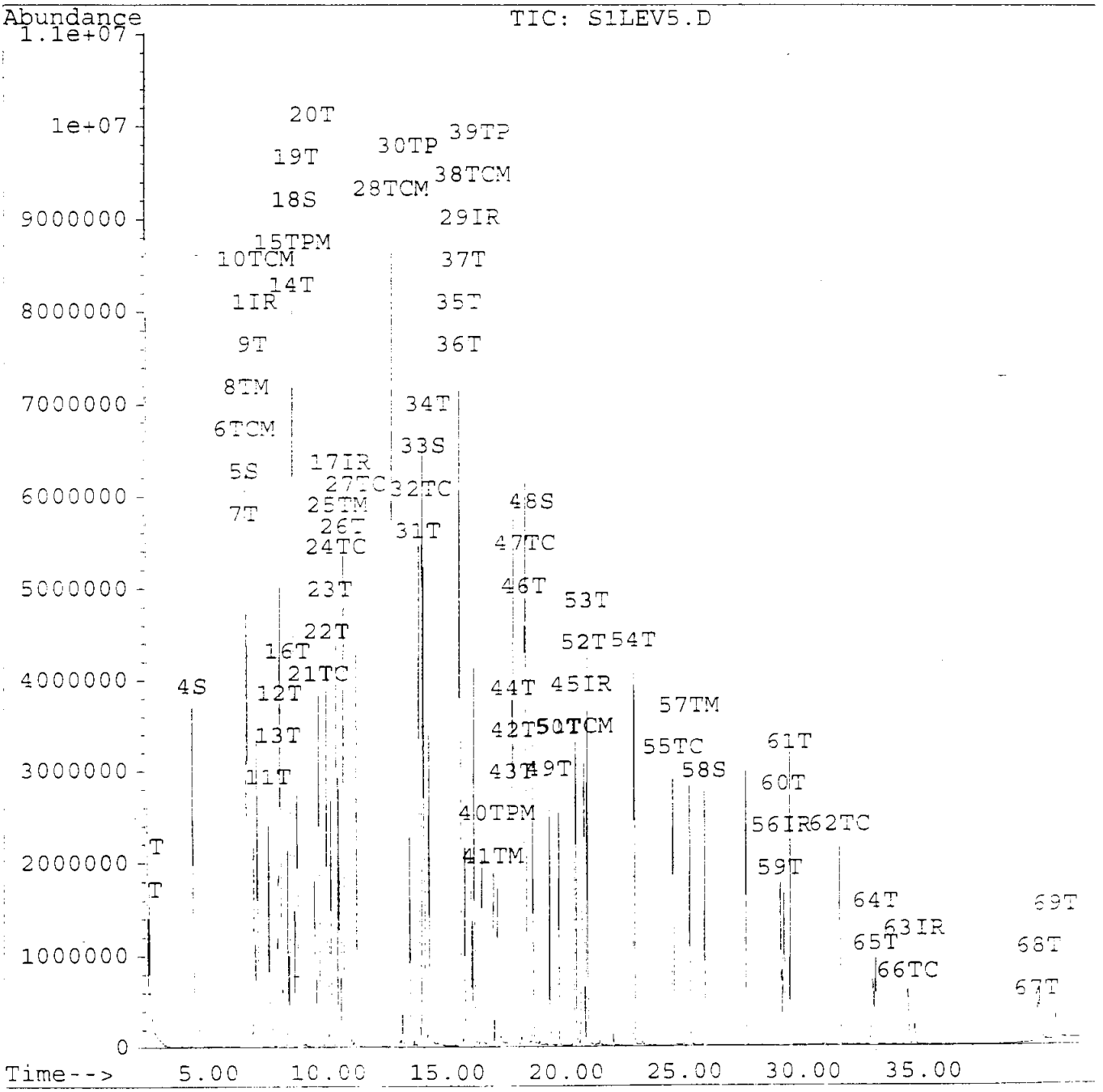
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\S1LEV5.D
Acq On : 6 Aug 95 9:34 am
Sample : S1LEV5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 15 11:17 1995

Vial: 5
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS06C.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:17:48 1995
Response via : Multiple Level Calibration

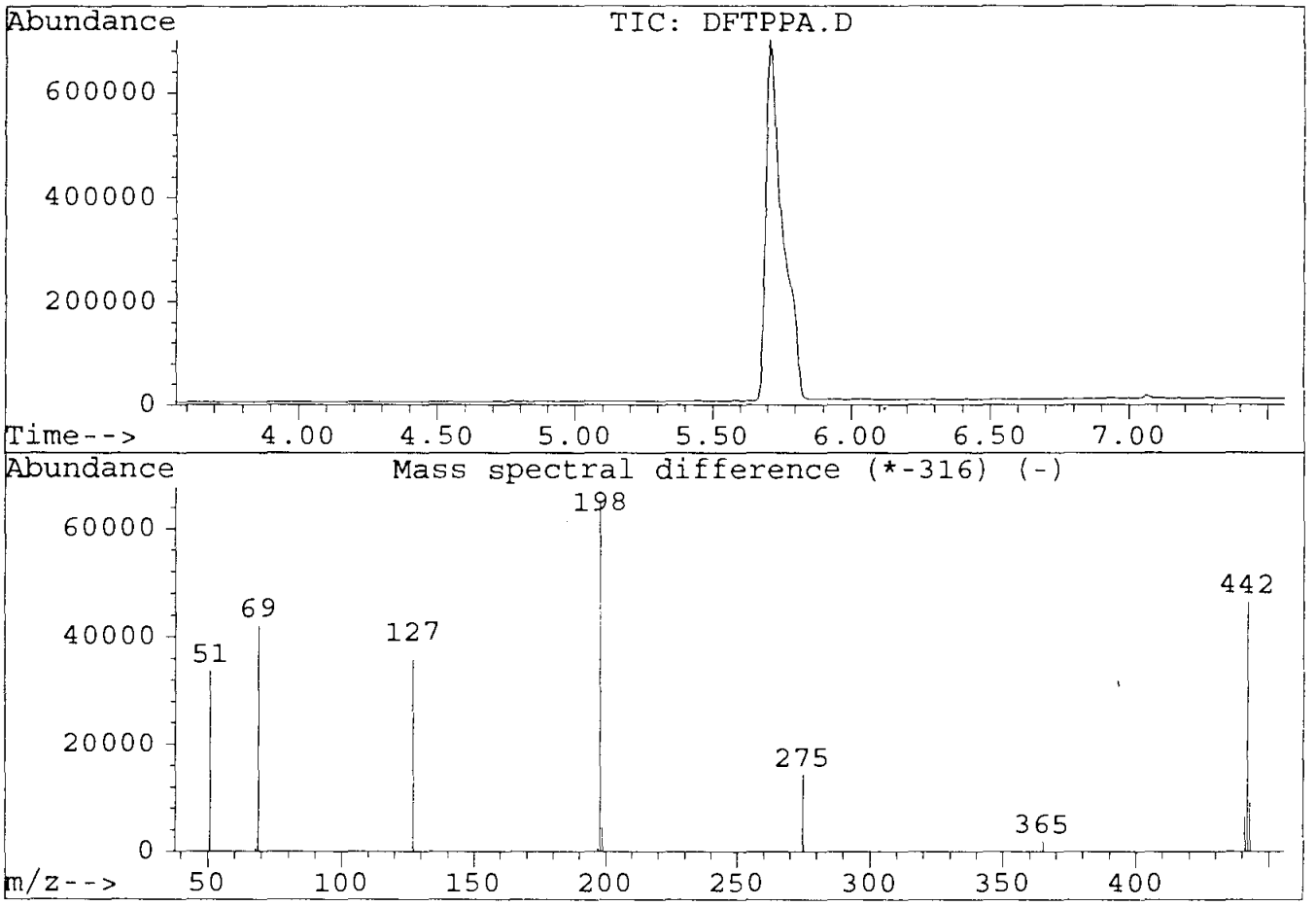


DFTPP

Data File : C:\HPCHEM\1\DATA\0803\DFTPPA.D
Acq On : 3 Aug 95 9:27 pm
Sample : DFTPPA
Misc :

Vial: 11
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\625A.M
Title : EPA METHOD



Peak Apex is scan: 316

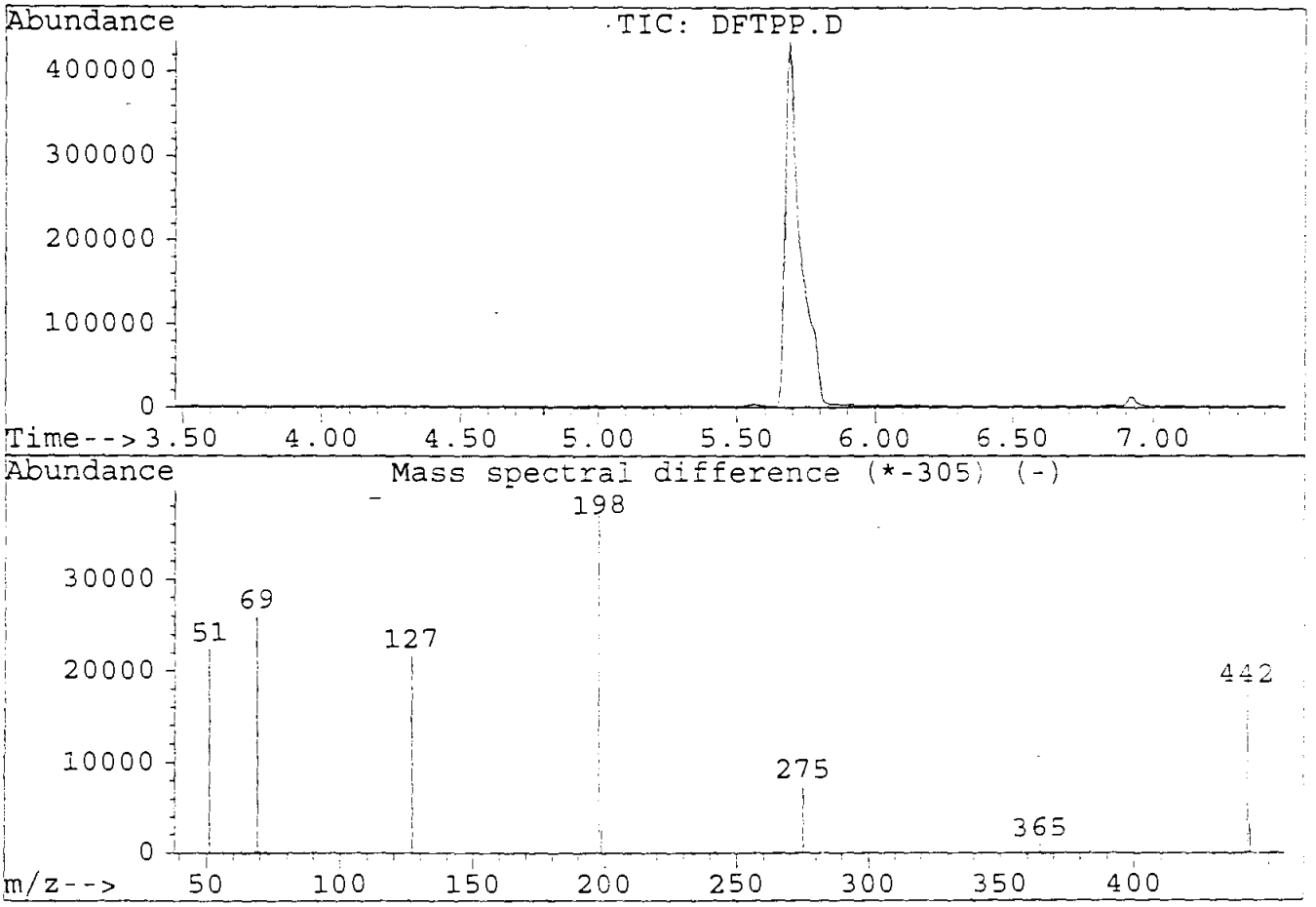
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.3	33764	PASS
68	69	0	2	1.3	549	PASS
69	198	0	100	65.1	42053	PASS
70	69	0	2	0.3	131	PASS
127	198	40	60	58.5	37766	PASS
197	198	0	1	1.0	641	PASS
198	198	100	100	100.0	64550	PASS
199	198	5	9	6.9	4463	PASS
275	198	10	30	22.4	14448	PASS
365	198	1	100	3.1	1986	PASS
441	443	0	100	70.2	6466	PASS
442	198	40	100	71.9	46387	PASS
443	442	17	23	19.8	9207	PASS

EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0806\DFTPP.D
Acq On : 6 Aug 95 5:52 am
Sample : DFTPP
Misc :

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



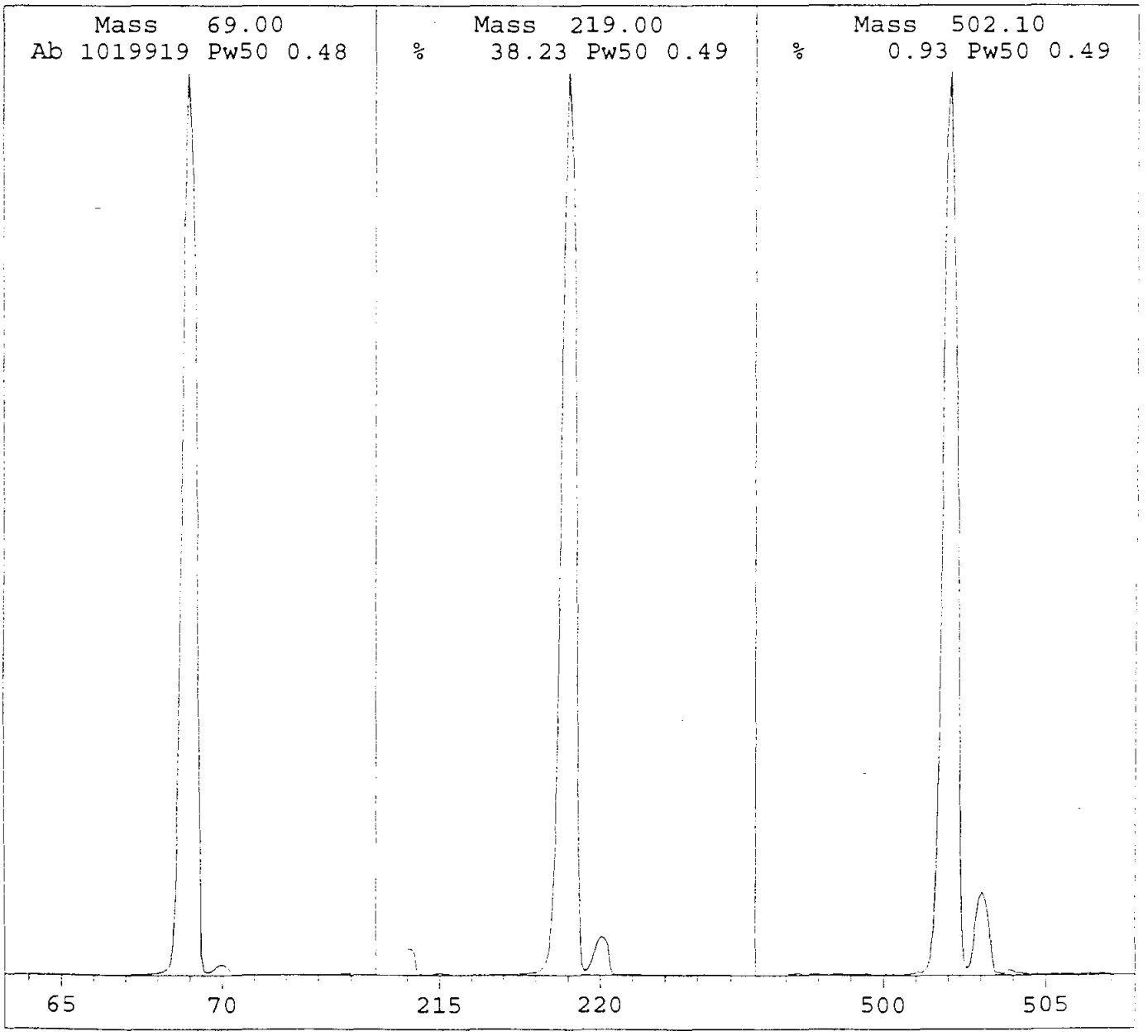
Peak Apex is scan: 305

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.1	22447	PASS
68	69	0	2	1.3	348	PASS
69	198	0	100	68.4	26010	PASS
70	69	0	2	0.5	130	PASS
127	198	40	60	57.2	21735	PASS
197	198	0	1	0.5	209	PASS
198	198	100	100	100.0	38002	PASS
199	198	5	9	6.7	2563	PASS
275	198	10	30	19.4	7355	PASS
365	198	1	100	2.6	991	PASS
441	443	0	100	74.2	2517	PASS
442	198	40	100	46.9	17820	PASS
443	442	17	23	19.0	3390	PASS

Instrument: 5971 - Instrument1
Sun Aug 06 06:11:03 1995 C:\HPCHEM\1\5971\ATUNE.U

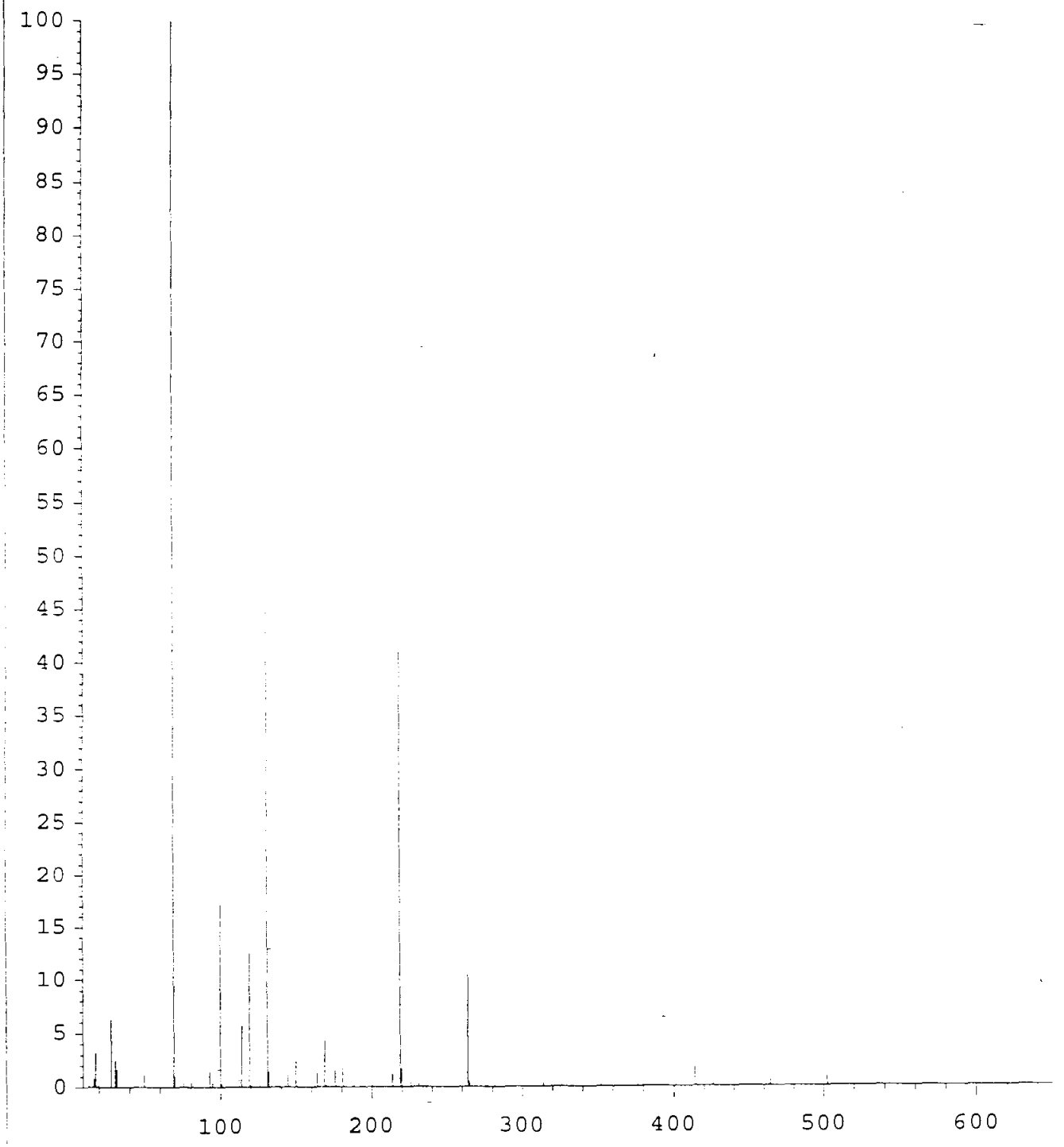
EMVolts	2200	AmuGain	393
Xray	64.1	AmuOffs	85
Emission	ON	Wid219	0.001
MS Temp	173	TTI	OFF
Vacuum	38	DC Pol	NEG
Samples	16	Repeller	19.57
Averages	1	IonFocus	47.0
StepSize	0.10	EntLens	0.00
MassGain	-166	EntOffs	VAR
MassOffs	3	Filament	2

PFTBA OPEN



Sun Aug 06 06:09:43 1995

Scan: 10.00 - 650.00 Samples: 16 Thresh: 150 Step: 0.10
128 peaks Base: 69.00 Abundance: 821248



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	821248	100.00	69.95	9080	1.11
219.00	343296	41.80	220.00	14606	4.25
502.10	7546	0.92	503.05	651	8.63

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL3-A.D
Acq On : 3 Aug 95 9:40 pm
Sample : LEVEL3A 50 - 100 ug/kg
Misc : Sloss Industries soils

Vial: 12
Operator: LAW
Inst : 5971 - In
Multiplr: 33.33

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	IR	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.01
2	S	2-Fluorophenol (SURR)	1.409	1.605	-14.0	149	0.00
3	S	Phenol-d5 (SURR)	1.726	2.029	-17.5	152	0.01
4	T	Benzyl alcohol	0.972	1.145	-17.8	151	0.00
5	IR	Naphthalene-d8	1.000	1.000	0.0	141	0.01
6	S	Nitrobenzene-d5 (SURROGATE)	0.350	0.408	-16.6	158	0.01
7	T	2,6-Dichlorophenol	0.346	0.334	3.5	130	0.01
8		4 - Chloroaniline	0.506	0.539	-6.5	142	0.01
9	T	2-Methylnaphthalene	0.765	0.765	-0.1	136	0.01
10	IR	Acenaphthene-d10	1.000	1.000	0.0	129	0.00
11	S	2-Fluorobiphenyl (SURROGATE	1.382	1.432	-3.6	130	0.00
12	T	2-Nitroaniline	0.320	0.400	-24.8#	155	0.01
13	T	3-Nitroaniline	0.386	0.432	-11.9	138	0.00
14	T	Dibenzofuran	1.688	1.734	-2.7	129	0.00
15	T	2,3,4,6-Tetrachlorophenol	0.285	0.217	23.7#	94	0.00
16	T	4-Nitroaniline	0.360	0.295	17.9	100	-0.01
17	S	2,4,6-Tribromophenol (SURR)	0.175	0.149	14.7	105	0.00
18	IR	Chrysene-d12	1.000	1.000	0.0	129	0.00
19	S	p-Terphenyl-d14 (SURROGATE)	1.107	1.096	0.9	124	0.00
20	T	3,3-Dimethylbenzidine	0.685	0.829	-21.0#	162	0.00

001435

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL3-A.D
Acq On : 3 Aug 95 9:40 pm
Sample : LEVEL3A 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:39 1995

Vial: 12
Operator: LAW
Inst : 5971 -
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1562177	40.00	ug/ml	0.01
5) Naphthalene-d8	10.57	136	6188598	40.00	ug/ml	0.01
10) Acenaphthene-d10	16.02	164	3252964	40.00	ug/ml	0.00
18) Chrysene-d12	29.07	240	3329134	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.34	112	6270053	113.97	ug/ml	56.98%
3) Phenol-d5 (SURR)	6.42	99	7923805	117.54	ug/ml	58.77%
6) Nitrobenzene-d5 (SURROGATE	8.66	82	3153244	58.28	ug/ml	58.28%
11) 2-Fluorobiphenyl (SURROGAT	14.01	172	5821861	51.80	ug/ml	51.80%
17) 2,4,6-Tribromophenol (SURR	18.56	330	1211550	85.26	ug/ml	42.63%
19) p-Terphenyl-d14 (SURROGATE	25.84	244	4562989	49.54	ug/ml	49.54%
Target Compounds						Qvalue
4) Benzyl alcohol	7.56	108	2236361	58.91	ug/ml	93
7) 2,6-Dichlorophenol	10.97	162	5161205	96.54	ug/ml	10
8) 4 - Chloroaniline	11.02	127	4169615	53.26	ug/ml	100
9) 2-Methylnaphthalene	12.73	142	5918232	50.03	ug/ml	98
12) 2-Nitroaniline	14.82	65	1625946	62.39	ug/ml	99
13) 3-Nitroaniline	16.17	138	1755116	55.95	ug/ml	98
14) Dibenzofuran	16.64	168	7050407	51.35	ug/ml	95
15) 2,3,4,6-Tetrachlorophenol	17.24	232	1765711	76.29	ug/ml	97
16) 4-Nitroaniline	18.11	138	1201500	41.07	ug/ml	87
20) 3,3-Dimethylbenzidine	27.45	212	3448672	62.38	ug/ml	94

001436

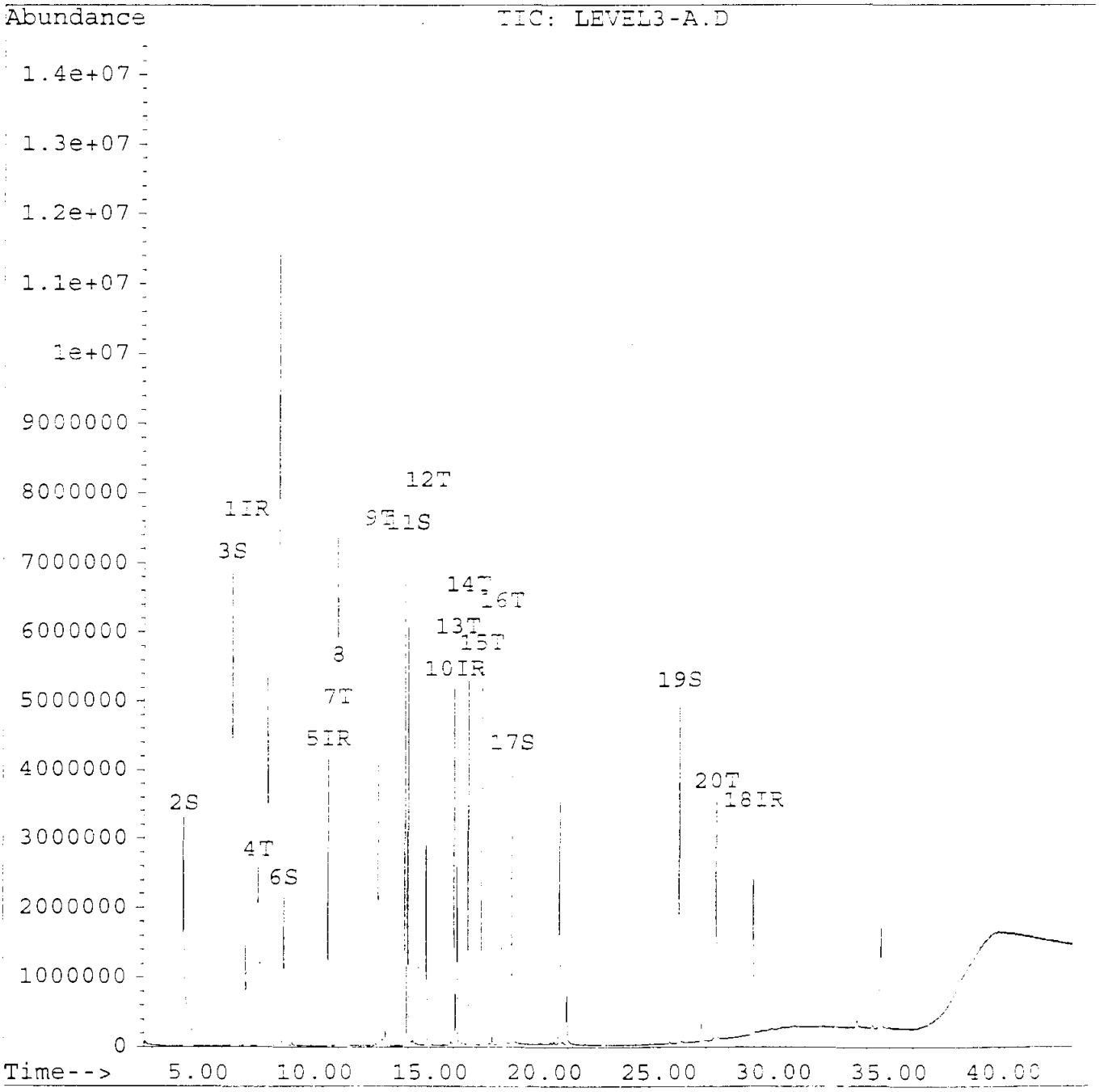
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LEVEL3-A.D
Acq On : 3 Aug 95 9:40 pm
Sample : LEVEL3A 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:39 1995

Vial: 12
Operator: LAW
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS03C.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:08:53 1995
Response via : Multiple Level Calibration



001437

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : BLANK
Control No.: LRB806
Prep Date: 7/17/95

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace 6-Aug-95 6:09 PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	330	330
Acenaphthylene	<	330	330
Anthracene	<	330	330
Benzo(a)anthracene	<	330	330
Benzo(b)fluoranthene	<	330	330
Benzo(k)fluoranthene	<	330	330
Benzo(g,h,i)perylene	<	330	330
Benzo(a)pyrene	<	330	330
Benzyl alcohol	<	330	330
bis(2-Chloroethoxy)methane	<	330	330
bis(2-Chloroethyl)ether	<	330	330
bis(2-Chloroisopropyl)ether	<	330	330
bis(2-Ethylhexyl)phthalate	<	330	330
4-Bromophenyl phenyl ether	<	330	330
p-Chloroaniline	<	660	660
4-Chloro-3-methylphenol	<	330	330
2-Chloronaphthalene	<	330	330
2-Chlorophenol	<	330	330
4-Chlorophenylphenyl ether	<	330	330
Chrysene	<	330	330
Dibenz(a,h)anthracene	<	330	330
Dibenzofuran	<	330	330
Di-n-butylphthalate	<	330	330
1,2-Dichlorobenzene	<	330	330
1,3-Dichlorobenzene	<	330	330
1,4-Dichlorobenzene	<	330	330
2,4-Dichlorophenol	<	330	330
2,6-Dichlorophenol	<	330	330
Diethylphthalate	<	330	330
3,3'-Dimethylbenzidine	<	1700	1700
2,4-Dimethylphenol	<	330	330
Dimethylphthalate	<	330	330
2,4-Dinitrophenol	<	1700	1700

2,4-Dinitrotoluene	<	330	330
2,6-Dinitrotoluene	<	330	330
Di-n-octylphthalate	<	330	330
Fluoranthene	<	330	330
Fluorene	<	330	330
Hexachlorobenzene	<	330	330
Hexachlorobutadiene	<	330	330
Hexachlorocyclopentadiene	<	330	330
Hexachloroethane	<	330	330
Indeno(1,2,3-cd)pyrene	<	330	330
Isophorone	<	330	330
2-Methyl-4,6-dinitrophenol	<	1700	1700
2-Methylnaphthalene	<	330	330
2-Methylphenol (o-cresol)	<	330	330
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	330	330
Naphthalene	<	330	330
2-Nitroaniline	<	1700	1700
3-Nitroaniline	<	1700	1700
4-Nitroaniline	<	1700	1700
Nitrobenzene	<	330	330
2-Nitrophenol	<	330	330
4-Nitrophenol	<	1700	1700
N-Nitrosodimethylamine	<	330	330
n-Nitrosodi-n-propylamine	<	330	330
Pentachlorophenol	<	1700	1700
Phenanthrene	<	330	330
Phenol	<	330	330
Pyrene	<	330	330
Pyridine	<	330	330
2,3,4,6-Tetrachlorophenol	<	1700	1700
1,2,4-Trichlorobenzene	<	330	330
2,4,5-Trichlorophenol	<	1700	1700
2,4,6-Trichlorophenol	<	330	330

Surrogate Recoveries		Range
2-Fluorophenol	85.2 %	25 - 121
Phenol-d5	78.4 %	24 - 113
Nitrobenzene-d5	79.0 %	23 - 120
2-Fluorobiphenyl	86.2 %	30 - 115
2,4,6-Tribromophenol	78.2 %	19 - 122
4-Terphenyl-d14	104.8 %	18 - 137

Approved by: _____

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\LRBSOIL.D
Acq On : 6 Aug 95 6:09 pm
Sample : LRBSOIL 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 13:58 1995

Vial: 9
Operator: JFS
Inst : 5971 - I
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-06.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:35:35 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	764910	40.00 ug/ml	0.03
17) Naphthalene-d8	10.56	136	3020690	40.00 ug/ml	0.00
29) Acenaphthene-d10	16.01	164	1536922	40.00 ug/ml	0.00
45) Phenanthrene-d10	20.64	188	2043847	40.00 ug/ml	0.00
56) Chrysene-d12	29.06	240	768901	40.00 ug/ml	0.01
63) Perylene-d12	34.61	264	412131	40.00 ug/ml	0.02
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.56	112	4502945	5689.50 ug/Kg	85.35%
5) Phenol-d5 (SURR)	6.60	99	5799331	5226.98 ug/Kg	78.41%
18) Nitrobenzene-d5 (SURROGATE	8.63	82	2302799	2633.22 ug/Kg	79.00%
33) 2-Fluorobiphenyl (SURROGAT	14.01	172	4631841	2873.81 ug/Kg	86.22%
48) 2,4,6-Tribromophenol (SURR	18.57	330	809319	5077.87 ug/Kg	76.18%
58) p-Terphenyl-d14 (SURROGATE	25.85	244	2887426	3494.37 ug/Kg	104.84%
Target Compounds					Qvalu
2) Pyridine	2.54	79	1921	3.19 ug/Kg	96
3) N-Nitrosodimethylamine	2.55	42	6978	14.36 ug/Kg#	1
6) Phenol (CCC)	6.61	94	11431	10.45 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	6.69	128	6881	7.49 ug/Kg#	31
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.84	45	2415	2.31 ug/Kg#	100
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine(	8.43	70	1047	1.97 ug/Kg#	1
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.64	77	8070	9.04 ug/Kg#	25
20) Isophorone	9.26	82	1483	0.87 ug/Kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.61	128	2090	0.84 ug/Kg#	70
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

0014

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\LRBSOIL.D
Acq On : 6 Aug 95 6:09 pm
Sample : LRBSOIL 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 13:58 1995

Vial: 9
Operator: JFS
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-06.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:35:35 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	0.00	152		Not Detected	
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.00	154	4520	3.60 ug/Kg#	1
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	17.70	149	7453	4.25 ug/Kg	95
43)	Fluorene	0.00	166		Not Detected	
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	0.00	169		Not Detected	
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	0.00	178		Not Detected	
53)	Anthracene	0.00	178		Not Detected	
54)	Di-n-butylphthalate	22.83	149	397495	160.28 ug/Kg	99
55)	Fluoranthene (CCC)	0.00	202		Not Detected	
57)	Pyrene	0.00	202		Not Detected	
59)	Benzo(a)anthracene	0.00	228		Not Detected	
60)	Chrysene	0.00	228		Not Detected	
61)	Bis(2-ethylhexyl)phthalate	29.41	149	109020	151.79 ug/Kg	98
62)	Di-n-octylphthalate (CCC)	31.50	149	2402	2.27 ug/Kg#	96
64)	Benzo(b)fluoranthene	0.00	252		Not Detected	
65)	Benzo(k)fluoranthene	0.00	252		Not Detected	
66)	Benzo(a)pyrene (CCC)	0.00	252		Not Detected	
67)	Indeno(1,2,3-cd)pyrene	0.00	276		Not Detected	
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	0.00	276		Not Detected	

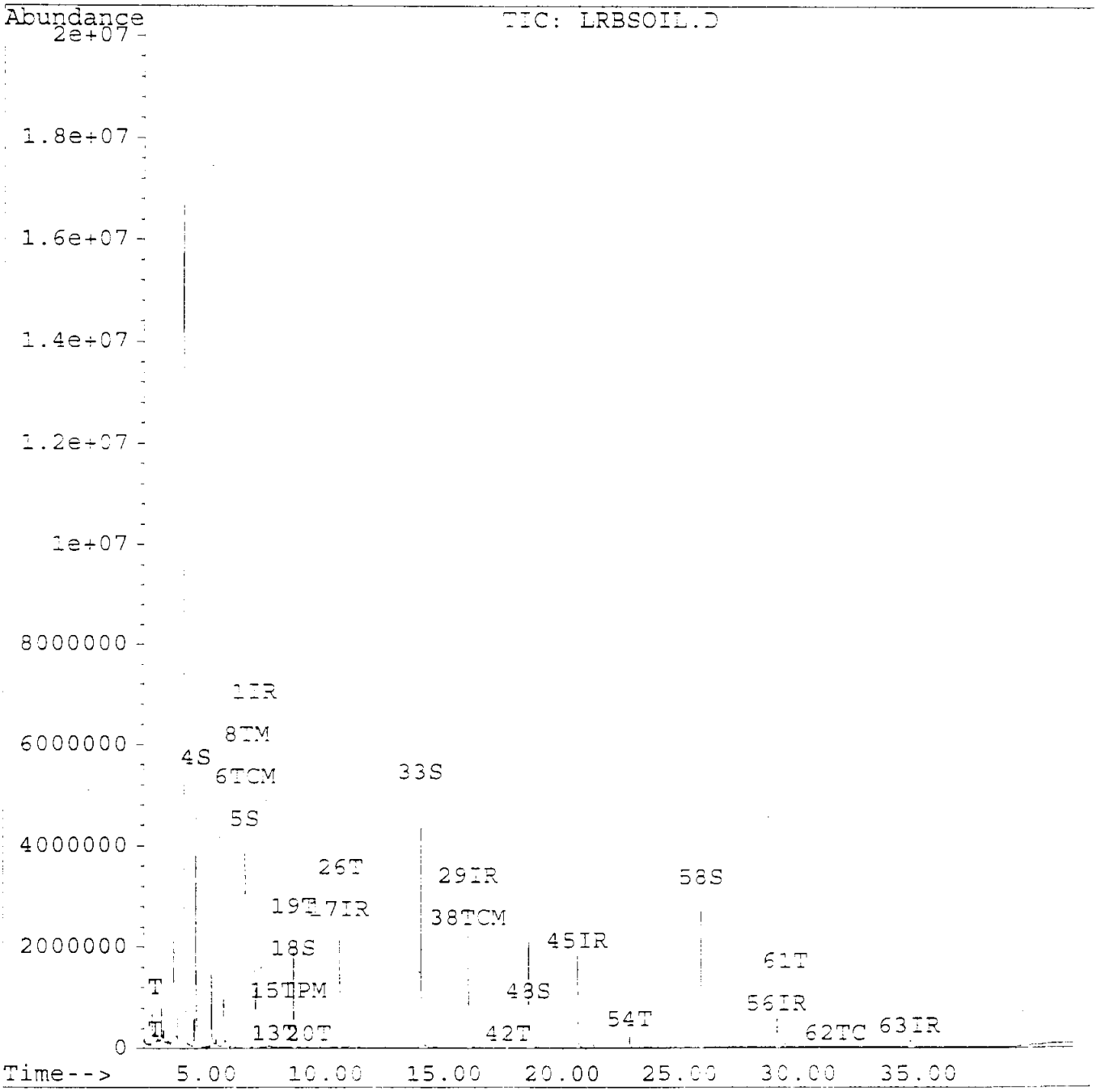
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\LRBSOIL.D
Acq On : 6 Aug 95 6:09 pm
Sample : LRBSOIL 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 13:58 1995

Vial: 9
Operator: JFS
Inst : 5971 -
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-06.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:35:35 1995
Response via : Multiple Level Calibration



001442

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LRBSOILA.D
Acq On : 4 Aug 95 12:53 am
Sample : LRBSOILA 30g/1ml 1ug injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:01 1995

Vial: 14
Operator: LAW
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1548247	40.00 ug/ml	0.02
5) Naphthalene-d8	10.55	136	5810915	40.00 ug/ml	0.00
10) Acenaphthene-d10	16.00	164	2907243	40.00 ug/ml	-0.01
18) Chrysene-d12	29.05	240	2923169	40.00 ug/ml	-0.02
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol (SURR)	4.52	112	8777588	160.98 ug/Kg	80.49%
3) Phenol-d5 (SURR)	6.53	99	11545304	172.79 ug/Kg	86.40%
6) Nitrobenzene-d5 (SURROGATE	8.63	82	4575588	90.07 ug/Kg	90.07%
11) 2-Fluorobiphenyl (SURROGAT	14.01	172	8491924	84.54 ug/Kg	84.54%
17) 2,4,6-Tribromophenol (SURR	18.54	330	1591715	125.34 ug/Kg	62.67%
19) p-Terphenyl-d14 (SURROGATE	25.84	244	7520815	92.99 ug/Kg	92.99%
Target Compounds					Qvalue
4) Benzyl alcohol	0.00	108		Not Detected	
7) 2,6-Dichlorophenol	0.00	162		Not Detected	
8) 4 - Chloroaniline	10.95	127	7339	3.32 ug/Kg#	67
9) 2-Methylnaphthalene	12.69	142	1254	0.38 ug/Kg#	8
12) 2-Nitroaniline	14.56	65	1087	1.55 ug/Kg#	12
13) 3-Nitroaniline	0.00	138		Not Detected	
14) Dibenzofuran	16.58	168	1103	0.30 ug/Kg#	40
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected	
16) 4-Nitroaniline	0.00	138		Not Detected	
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected	

001443

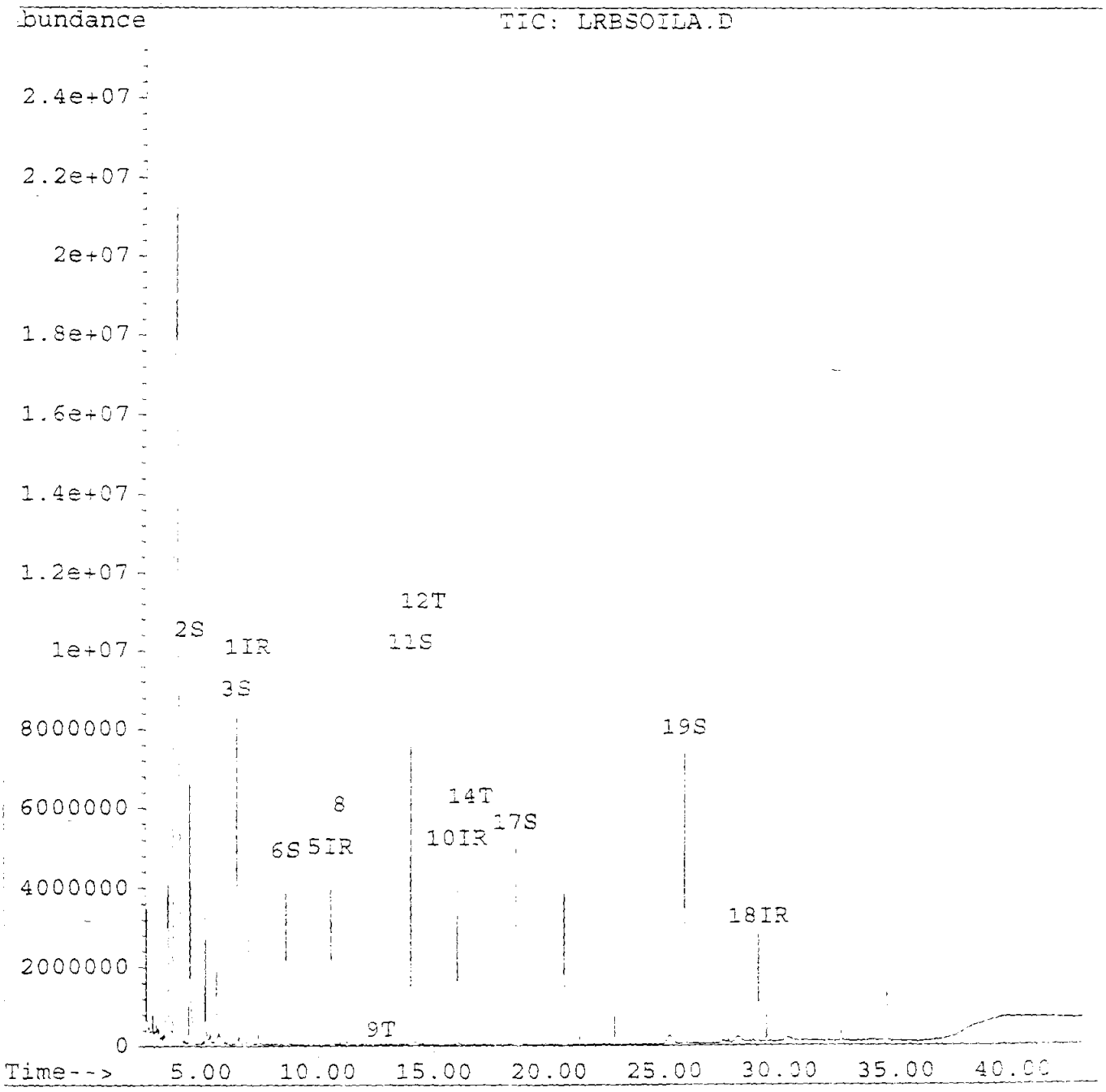
Qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\LRBSOILA.D
Acq On : 4 Aug 95 12:53 am
Sample : LRBSOILA 30g/1ml 1ug injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:01 1995

Vial: 14
Operator: LAW
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



001441

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950707-FW-IW-SL0018
Control No.: 82305
Prep Date: 7/17/95
Sample Date: 7/7/95
Sampled by : K. Thalman/G&M

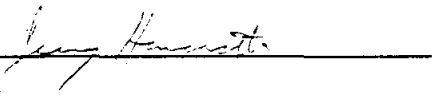
Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 11:48AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	559	559
Acenaphthylene	<	559	559
Anthracene	<	559	559
Benzo(a)anthracene	<	559	559
Benzo(b)fluoranthene	<	559	559
Benzo(k)fluoranthene	<	559	559
Benzo(g,h,i)perylene	<	559	559
Benzo(a)pyrene	<	559	559
Benzyl alcohol	<	559	559
bis(2-Chloroethoxy)methane	<	559	559
bis(2-Chloroethyl)ether	<	559	559
bis(2-Chloroisopropyl)ether	<	559	559
bis(2-Ethylhexyl)phthalate	<	559	559
4-Bromophenyl phenyl ether	<	559	559
p-Chloroaniline	<	1119	1119
4-Chloro-3-methylphenol	<	559	559
2-Chloronaphthalene	<	559	559
2-Chlorophenol	<	559	559
4-Chlorophenylphenyl ether	<	559	559
Chrysene	<	559	559
Dibenz(a,h)anthracene	<	559	559
Dibenzofuran	<	559	559
Di-n-butylphthalate	<	559	559
1,2-Dichlorobenzene	<	559	559
1,3-Dichlorobenzene	<	559	559
1,4-Dichlorobenzene	<	559	559
2,4-Dichlorophenol	<	559	559
2,6-Dichlorophenol	<	559	559
Diethylphthalate	<	559	559
3,3'-Dimethylbenzidine	<	2881	2881
2,4-Dimethylphenol	<	559	559
Dimethylphthalate	<	559	559

2,4-Dinitrophenol	<	2881	2881
2,4-Dinitrotoluene	<	559	559
2,6-Dinitrotoluene	<	559	559
Di-n-octylphthalate	<	559	559
Fluoranthene	<	559	559
Fluorene	<	559	559
Hexachlorobenzene	<	559	559
Hexachlorobutadiene	<	559	559
Hexachlorocyclopentadiene	<	559	559
Hexachloroethane	<	559	559
Indeno(1,2,3-cd)pyrene	<	559	559
Isophorone	<	559	559
2-Methyl-4,6-dinitrophenol	<	2881	2881
2-Methylnaphthalene	<	559	559
2-Methylphenol (o-cresol)	<	559	559
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	559	559
Naphthalene	<	559	559
2-Nitroaniline	<	2881	2881
3-Nitroaniline	<	2881	2881
4-Nitroaniline	<	2881	2881
Nitrobenzene	<	559	559
2-Nitrophenol	<	559	559
4-Nitrophenol	<	2881	2881
N-Nitrosodimethylamine	<	559	559
n-Nitrosodi-n-propylamine	<	559	559
Pentachlorophenol	<	2881	2881
Phenanthrene	<	559	559
Phenol	<	559	559
Pyrene	<	559	559
Pyridine	<	559	559
2,3,4,6-Tetrachlorophenol	<	2881	2881
1,2,4-Trichlorobenzene	<	559	559
2,4,5-Trichlorophenol	<	2881	2881
2,4,6-Trichlorophenol	<	559	559

Surrogate Recoveries		Range
2-Fluorophenol	90.0 %	25 - 121
Phenol-d5	83.0 %	24 - 113
Nitrobenzene-d5	74.1 %	23 - 120
2-Fluorobiphenyl	84.9 %	30 - 115
2,4,6-Tribromophenol	86.7 %	19 - 122
4-Terphenyl-d14	96.2 %	18 - 137

Percent Solids	59 %

Approved by: 

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82305.D
Acq On : 6 Aug 95 11:48 am
Sample : 82305 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:25 1995

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	669508	40.00 ug/L	-0.03
17) Naphthalene-d8	10.51	136	2841590	40.00 ug/L	-0.05
29) Acenaphthene-d10	15.98	164	1383801	40.00 ug/L	-0.03
45) Phenanthrene-d10	20.61	188	1811535	40.00 ug/L	-0.03
56) Chrysene-d12	29.03	240	752347	40.00 ug/L	-0.02
63) Perylene-d12	34.55	264	483377	40.00 ug/L	-0.04
System Monitoring Compounds					**%Recovery**
4) 2-Fluorophenol (SURR)	4.51	112	4121001	5999.87 ug/kg	90.01%
5) Phenol-d5 (SURR)	6.56	99	5220069	5532.64 ug/kg	83.00%
18) Nitrobenzene-d5 (SURROGATE	8.59	82	2032534	2470.96 ug/kg	74.14%
33) 2-Fluorobiphenyl (SURROGAT	13.98	172	4095766	2830.26 ug/kg	84.92%
48) 2,4,6-Tribromophenol (SURR	18.55	330	821961	5778.29 ug/kg	86.68%
58) p-Terphenyl-d14 (SURROGATE	25.82	244	2578370	3207.12 ug/kg	96.22%
Target Compounds					**Qvalue**
2) Pyridine	2.49	79	1813	3.25 ug/kg#	19
3) N-Nitrosodimethylamine	2.52	42	5604	13.37 ug/kg#	47
6) Phenol (CCC)	6.57	94	14820	15.51 ug/kg#	1
7) Bis(2-chloroethyl)ether	6.45	93	3266	4.45 ug/kg#	8
8) 2-Chlorophenol	6.63	128	5021	6.52 ug/kg#	31
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	0.00	45		Not Detected	
14) m,p-Cresol	8.39	107	5901	7.53 ug/kg	92
15) n-Nitrosodi-n-propylamine(	8.29	70	1162	2.49 ug/kg#	1
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.59	77	8378	10.02 ug/kg#	24
20) Isophorone	9.31	82	1695	1.06 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	10.12	93	1006	1.08 ug/kg#	1
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.56	128	46109	19.71 ug/kg	94
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

001447

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82305.D
Acq On : 6 Aug 95 11:48 am
Sample : 82305 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:25 1995

Vial: 1
Operator: JFS
Inst : 5971 -
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.46	152	5257	2.55 ug/kg	68
37)	2,6-Dinitrotoluene	15.66	165	1231	3.54 ug/kg#	27
38)	Acenaphthene (CCC)	16.06	154	4013	3.55 ug/kg	98
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	17.14	139	1022	4.09 ug/kg#	1
41)	2,4-Dinitrotoluene	16.73	165	1247	2.78 ug/kg#	1
42)	Diethylphthalate	17.67	149	17116	10.81 ug/kg	93
43)	Fluorene	17.64	166	8200	6.06 ug/kg#	65
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	18.21	169	5818	5.84 ug/kg	86
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	20.66	178	83073	48.55 ug/kg	97
53)	Anthracene	20.79	178	14350	8.22 ug/kg	9
54)	Di-n-butylphthalate	22.80	149	370585	167.51 ug/kg	100
55)	Fluoranthene (CCC)	24.44	202	65603	48.40 ug/kg	96
57)	Pyrene	25.13	202	57099	43.47 ug/kg	99
59)	Benzo(a)anthracene	28.96	228	28566	38.91 ug/kg	68
60)	Chrysene	29.09	228	37483	54.44 ug/kg	92
61)	Bis(2-ethylhexyl)phthalate	29.39	149	191250	272.07 ug/kg	98
62)	Di-n-octylphthalate (CCC)	31.45	149	25126	24.29 ug/kg#	96
64)	Benzo(b)fluoranthene	32.78	252	26465	54.35 ug/kg#	100
65)	Benzo(k)fluoranthene	32.78	252	26465	52.94 ug/kg#	31
66)	Benzo(a)pyrene (CCC)	34.25	252	7336	17.78 ug/kg#	54
67)	Indeno(1,2,3-cd)pyrene	39.69	276	6833	21.62 ug/kg	89
68)	Dibenzo(a,h)anthracene	39.77	278	2848	10.41 ug/kg#	52
69)	Benzo(g,h,i)perylene	40.46	276	4950	20.38 ug/kg#	42

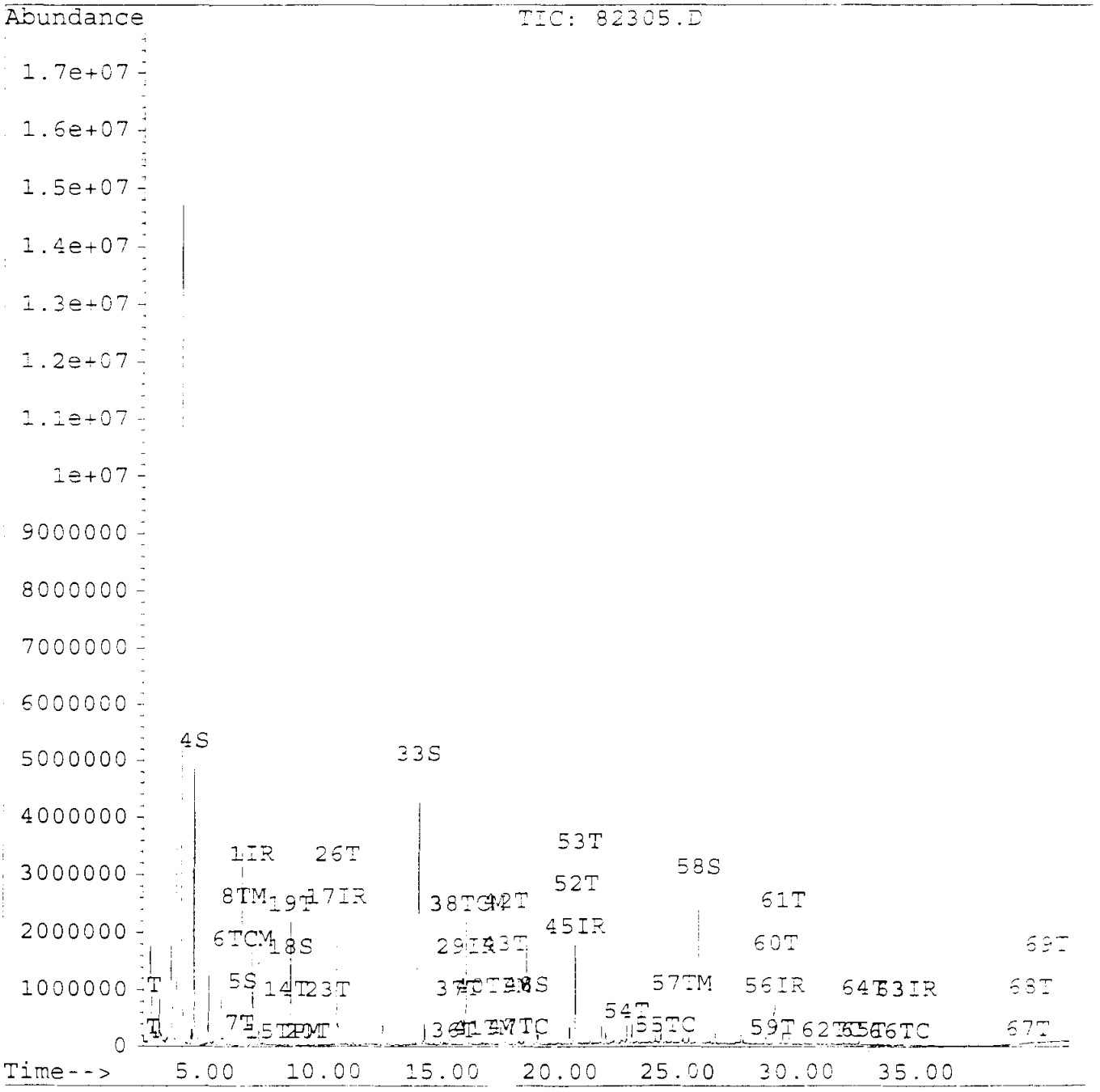
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82305.D
Acq On : 6 Aug 95 11:48 am
Sample : 82305 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:25 1995

Vial: 1
Operator: JFS
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 17, 1995

Analysis to be run

Technician Kim Brick

Sample Number 52305 950707.FW-1W-SL0018

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.41g	3.21g	2.22g	41%

Oven Temperature 105°

Time in 3:00 pm.

Time out 9:00 am.

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

59

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82305.D
Acq On : 4 Aug 95 1:42 am
Sample : 82305 30g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 9:55 1995

Vial: 15
Operator: LAW
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1548395	40.00	ug/ml	0.01
5) Naphthalene-d8	10.55	136	5832945	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.00	164	3076623	40.00	ug/ml	-0.01
18) Chrysene-d12	29.05	240	3171356	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.52	112	8786278	161.13	ug/Kg	80.56%
3) Phenol-d5 (SURR)	6.53	99	11451784	171.38	ug/Kg	85.69%
6) Nitrobenzene-d5 (SURROGATE	8.63	82	4529659	88.83	ug/Kg	88.83%
11) 2-Fluorobiphenyl (SURROGAT	14.00	172	8544751	80.38	ug/Kg	80.38%
17) 2,4,6-Tribromophenol (SURR	18.55	330	1847697	137.48	ug/Kg	68.74%
19) p-Terphenyl-d14 (SURROGATE	25.85	244	7562910	86.20	ug/Kg	86.20%
Target Compounds						Qvalue
4) Benzyl alcohol	7.46	108	1181	1.05	ug/Kg#	1
7) 2,6-Dichlorophenol	11.25	162	2035	1.34	ug/Kg#	17
8) 4 - Chloroaniline	11.07	127	1195	0.54	ug/Kg#	41
9) 2-Methylnaphthalene	12.69	142	73478	21.95	ug/Kg	98
12) 2-Nitroaniline	14.85	65	1106	1.49	ug/Kg#	12
13) 3-Nitroaniline	16.15	138	1377	1.55	ug/Kg#	77
14) Dibenzofuran	16.59	168	36308	9.31	ug/Kg	89
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	18.25	138	1601	1.93	ug/Kg#	12
20) 3,3-Dimethylbenzidine	27.48	212	1971	1.29	ug/Kg#	1

001451

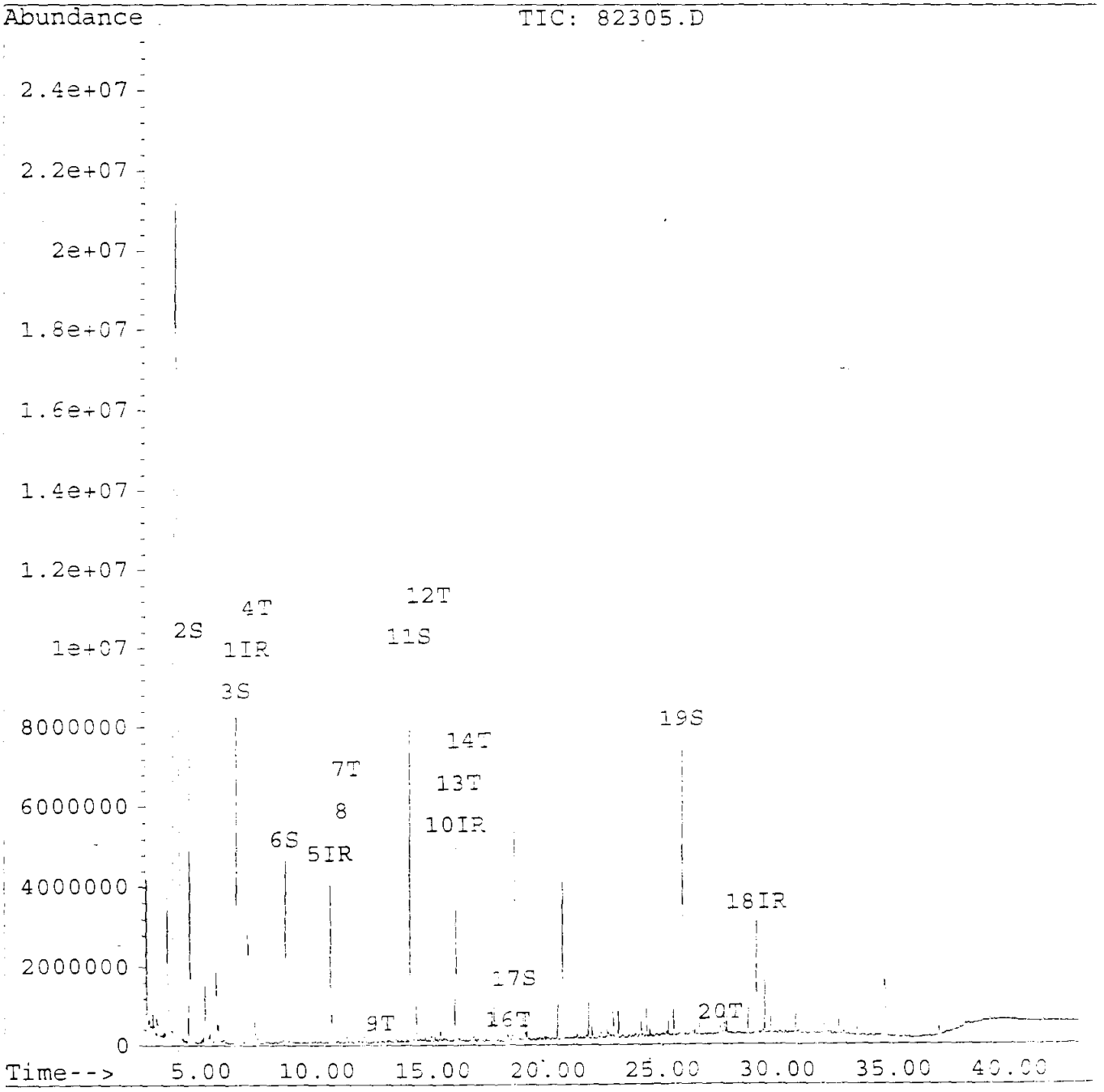
(m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82305.D
Acq On : 4 Aug 95 1:42 am
Sample : 82305 30g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 9:55 1995

Vial: 15
Operator: LAW
Inst : 5971 - In
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



001452

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950710-FW-IW-SL0019S
Control No.: 82348
Prep Date: 7/17/95
Sample Date: 7/10/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 4:34PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene		2724	647
Acenaphthylene	<	647	647
Anthracene	<	647	647
Benzo(a)anthracene	<	647	647
Benzo(b)fluoranthene	<	647	647
Benzo(k)fluoranthene	<	647	647
Benzo(g,h,i)perylene	<	647	647
Benzo(a)pyrene	<	647	647
Benzyl alcohol	<	647	647
bis(2-Chloroethoxy)methane	<	647	647
bis(2-Chloroethyl)ether	<	647	647
bis(2-Chloroisopropyl)ether	<	647	647
bis(2-Ethylhexyl)phthalate		753	647
4-Bromophenyl phenyl ether	<	647	647
p-Chloroaniline	<	1294	1294
4-Chloro-3-methylphenol		5747	647
2-Chloronaphthalene	<	647	647
2-Chlorophenol		5090	647
4-Chlorophenylphenyl ether	<	647	647
Chrysene	<	647	647
Dibenz(a,h)anthracene	<	647	647
Dibenzofuran	<	647	647
Di-n-butylphthalate	<	647	647
1,2-Dichlorobenzene	<	647	647
1,3-Dichlorobenzene	<	647	647
1,4-Dichlorobenzene		2453	647
2,4-Dichlorophenol	<	647	647
2,6-Dichlorophenol	<	647	647
Diethylphthalate	<	647	647
3,3'-Dimethylbenzidine	<	3333	3333
2,4-Dimethylphenol	<	647	647
Dimethylphthalate	<	647	647

2,4-Dinitrophenol	<	3333	3333
2,4-Dinitrotoluene		2729	647
2,6-Dinitrotoluene	<	647	647
Di-n-octylphthalate	<	647	647
Fluoranthene	<	647	647
Fluorene	<	647	647
Hexachlorobenzene	<	647	647
Hexachlorobutadiene	<	647	647
Hexachlorocyclopentadiene	<	647	647
Hexachloroethane	<	647	647
Indeno(1,2,3-cd)pyrene	<	647	647
Isophorone	<	647	647
2-Methyl-4,6-dinitrophenol	<	3333	3333
2-Methylnaphthalene	<	647	647
2-Methylphenol (o-cresol)	<	647	647
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	647	647
Naphthalene	<	647	647
2-Nitroaniline	<	3333	3333
3-Nitroaniline	<	3333	3333
4-Nitroaniline	<	3333	3333
Nitrobenzene	<	647	647
2-Nitrophenol	<	647	647
4-Nitrophenol		6206	3333
N-Nitrosodimethylamine	<	647	647
n-Nitrosodi-n-propylamine		3078	647
Pentachlorophenol		5551	3333
Phenanthrene	<	647	647
Phenol		5633	647
Pyrene		2539	647
Pyridine	<	647	647
2,3,4,6-Tetrachlorophenol	<	3333	3333
1,2,4-Trichlorobenzene		2837	647
2,4,5-Trichlorophenol	<	3333	3333
2,4,6-Trichlorophenol	<	647	647

Surrogate Recoveries		Range
2-Fluorophenol	99.2 %	25 - 121
Phenol-d5	94.0 %	24 - 113
Nitrobenzene-d5	89.9 %	23 - 120
2-Fluorobiphenyl	91.4 %	30 - 115
2,4,6-Tribromophenol	110.3 %	19 - 122
4-Terphenyl-d14	109.0 %	18 - 137

Percent Solids	51 %

Approved by:

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82348.D Vial: 7
Acq On : 6 Aug 95 4:34 pm Operator: JFS
Sample : 82348 30.1g/1ml 1ul injected Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Aug 9 16:35 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	629305	40.00 ug/L	0.03
17) Naphthalene-d8	10.56	136	2461566	40.00 ug/L	0.00
29) Acenaphthene-d10	16.02	164	1384700	40.00 ug/L	0.02
45) Phenanthrene-d10	20.65	188	1760416	40.00 ug/L	0.02
56) Chrysene-d12	29.06	240	652998	40.00 ug/L	0.01
63) Perylene-d12	34.60	264	335010	40.00 ug/L	0.00
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.54	112	4280539	6610.37 ug/kg	99.17%
5) Phenol-d5 (SURR)	6.61	99	5573812	6266.09 ug/kg	94.00%
18) Nitrobenzene-d5 (SURROGATE	8.64	82	2140804	2995.35 ug/kg	89.87%
33) 2-Fluorobiphenyl (SURROGAT	14.02	172	4424441	3046.22 ug/kg	91.40%
48) 2,4,6-Tribromophenol (SURR	18.60	330	1019410	7352.29 ug/kg	110.30%
58) p-Terphenyl-d14 (SURROGATE	25.86	244	2543636	3634.33 ug/kg	109.04%
Target Compounds					Qvalue
2) Pyridine	2.54	79	2741	5.21 ug/kg	80
3) N-Nitrosodimethylamine	2.56	42	4440	11.24 ug/kg#	1
6) Phenol (CCC)	6.63	94	2586639	2872.69 ug/kg	93
7) Bis(2-chloroethyl)ether	6.69	93	35177	50.79 ug/kg#	1
8) 2-Chlorophenol	6.69	128	1884420	2595.85 ug/kg	98
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	7.05	146	1012150	1251.24 ug/kg	99
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	8.03	108	1841	2.95 ug/kg	83
13) Bis(2-chloroisopropyl)ethe	7.87	45	1279	1.48 ug/kg#	52
14) m,p-Cresol	8.45	107	5517	7.47 ug/kg#	79
15) n-Nitrosodi-n-propylamine(	8.31	70	689886	1570.15 ug/kg	97
16) Hexachloroethane	8.36	117	2809	10.48 ug/kg#	13
19) Nitrobenzene	8.64	77	8927	12.28 ug/kg#	43
20) Isophorone	9.35	82	19094	13.71 ug/kg	89
21) 2-Nitrophenol (CCC)	9.60	139	1699	4.12 ug/kg#	53
22) 2,4-Dimethylphenol	9.87	122	1302	2.59 ug/kg#	1
23) Bis(2-chloroethoxy)methane	10.17	93	2023	2.50 ug/kg#	42
24) 2,4-Dichlorophenol (CCC)	10.47	162	4518	8.27 ug/kg	78
25) 1,2,4-Trichlorobenzene	10.43	180	818835	1446.57 ug/kg	99
26) Naphthalene	10.60	128	150188	73.89 ug/kg	93
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	12.69	107	1692573	2930.85 ug/kg#	35
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	13.83	196	1191	3.36 ug/kg#	1
32) 2,4,6-Trichlorophenol (CCC	13.98	196	2075	5.88 ug/kg#	1
34) 2-Chloronaphthalene	14.14	162	1858	1.61 ug/kg#	40
35) Dimethylphthalate	15.54	163	1101	0.71 ug/kg#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82348.D
Acq On : 6 Aug 95 4:34 pm
Sample : 82348 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:35 1995

Vial: 7
Operator: JFS
Inst : 5971 - 7
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	15.54	152	4044	1.95 ug/kg#	55
37) 2,6-Dinitrotoluene	15.70	165	1506	4.31 ug/kg#	27
38) Acenaphthene (CCC)	16.12	154	1578005	1388.91 ug/kg	99
39) 2,4-Dinitrophenol (SPCC)	16.65	184	1273	12.58 ug/kg#	22
40) 4-Nitrophenol (SPCC)	17.02	139	802316	3165.49 ug/kg#	83
41) 2,4-Dinitrotoluene	16.88	165	626425	1391.67 ug/kg	97
42) Diethylphthalate	17.71	149	11046	6.95 ug/kg	60
43) Fluorene	17.69	166	28700	21.14 ug/kg#	69
44) 4-Chlorophenyl phenyl ethe	18.02	204	1097	1.89 ug/kg#	1
46) 4,6-Dinitro-2-methylphenol	18.15	198	1309	7.22 ug/kg#	34
47) N-Nitrosodiphenylamine (CC	18.26	169	38360	39.48 ug/kg#	39
49) 4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50) Hexachlorobenzene	0.00	284		Not Detected	
51) Pentachlorophenol (CCC)	20.37	266	392244	2831.07 ug/kg	98
52) Phenanthrene	20.71	178	174005	104.33 ug/kg	97
53) Anthracene	20.84	178	14935	8.78 ug/kg	9
54) Di-n-butylphthalate	22.84	149	301469	139.81 ug/kg	100
55) Fluoranthene (CCC)	24.48	202	54992	41.62 ug/kg	87
57) Pyrene	25.19	202	1481525	1295.47 ug/kg	100
59) Benzo(a)anthracene	29.00	228	33367	52.20 ug/kg#	57
60) Chrysene	29.13	228	67691	112.93 ug/kg	94
61) Bis(2-ethylhexyl)phthalate	29.42	149	234984	383.99 ug/kg	99
62) Di-n-octylphthalate (CCC)	31.43	149	49040	54.45 ug/kg	83
64) Benzo(b)fluoranthene	32.83	252	13703	40.48 ug/kg	100
65) Benzo(k)fluoranthene	32.91	252	7876	22.67 ug/kg#	31
66) Benzo(a)pyrene (CCC)	34.29	252	7151	24.93 ug/kg#	54
67) Indeno(1,2,3-cd)pyrene	39.72	276	1313	5.98 ug/kg#	1
68) Dibenzo(a,h)anthracene	39.77	278	1282	6.74 ug/kg#	52
69) Benzo(g,h,i)perylene	40.48	276	4942	29.27 ug/kg#	42

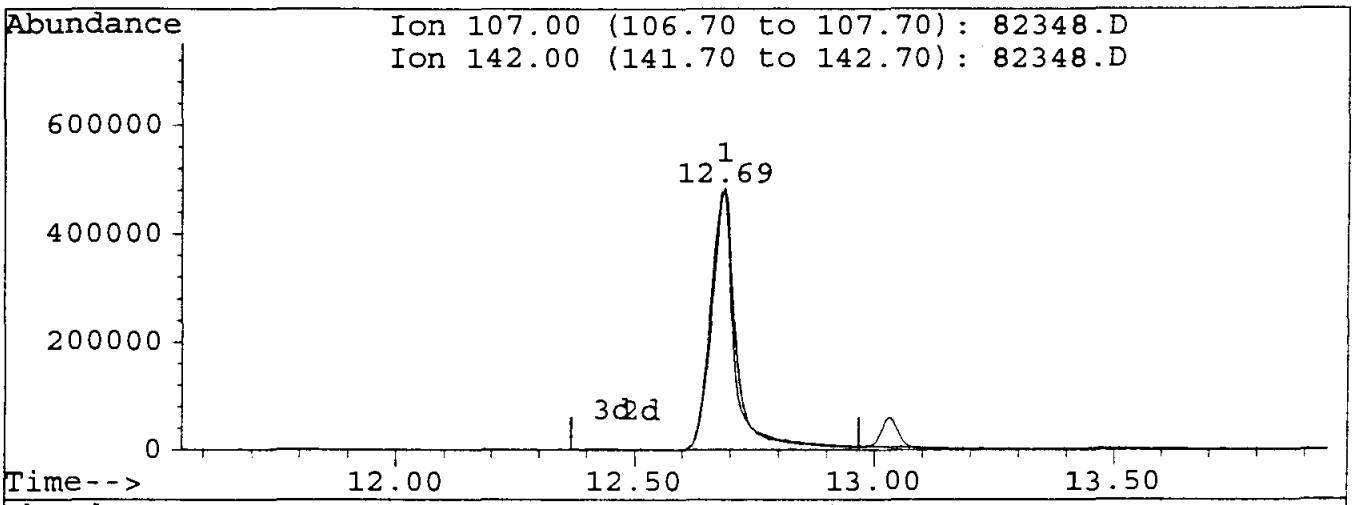
(#) = qualifier out of range (m) = manual integration

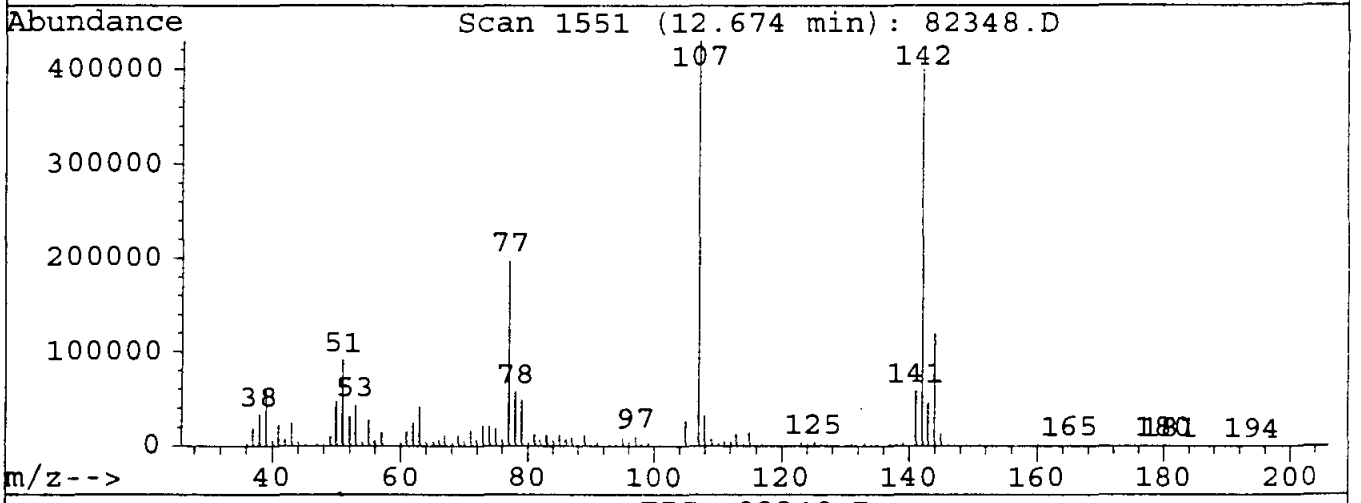
Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82348.D
Acq On : 6 Aug 95 4:34 pm
Sample : 82348 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:35 1995

Vial: 7
Operator: JFS
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-06.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:35:35 1995
Response via : Multiple Level Calibration



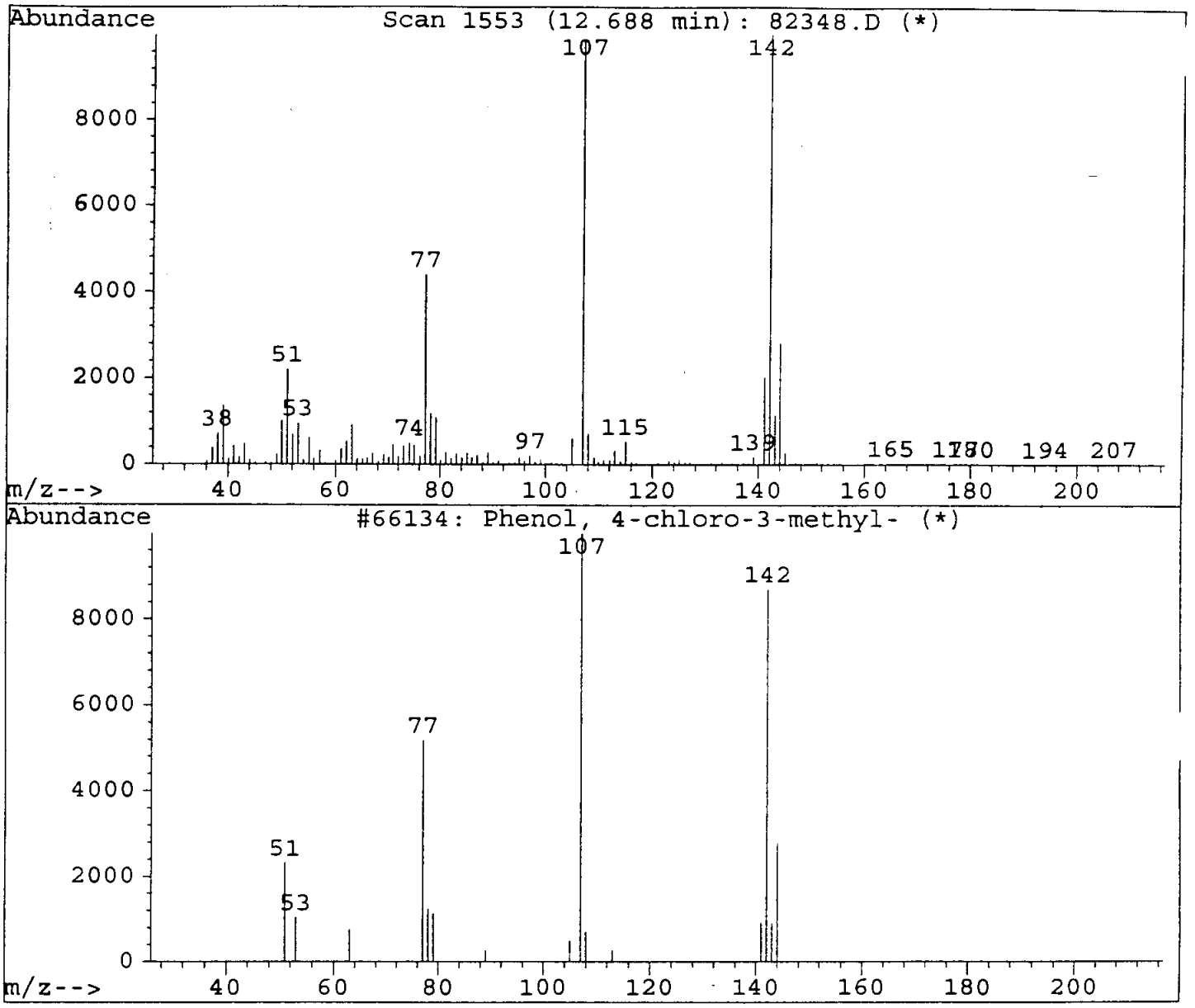


TIC: 82348.D

(28) 4-Chloro-3-methylphenol(CCC) (TCM)
12.69min 2930.85ug/kg
response 1692573

Ion	Exp%	Act%
107.00	100	100
142.00	201.10	101.61#
0.00	0.00	0.00
0.00	0.00	0.00

Library Searched : C:\DATABASE\NBS75K.L
Quality : 96
ID : Phenol, 4-chloro-3-methyl-

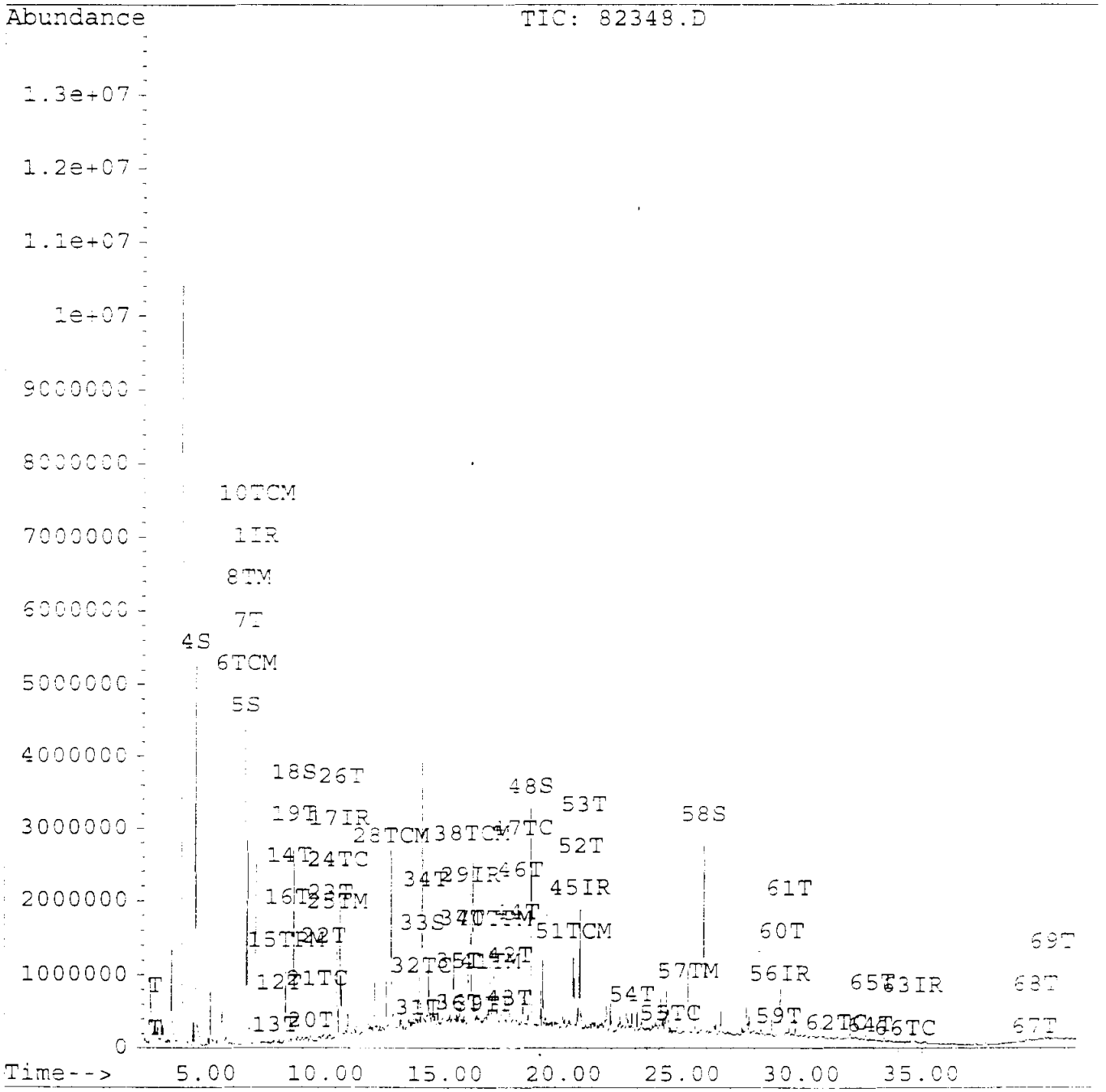


Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82348.D
Acq ... : 6 Aug 95 4:34 pm
Sample : 82348 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:35 1995

Vial: 7
Operator: JFS
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



001459

DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 17, 1995

Analysis to be run _____

Technician Kim Brock

Sample Number 22348 950710-fw-Iw-SL00195

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
6.46g	3.31g	3.15	49%

Oven Temperature 105°

Time in 5:00pm

Time out 9:00AM

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

51

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82348.D
Acq On : 4 Aug 95 5:43 am
Sample : 82348 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:01 1995

Vial: 20
Operator: LAW
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	1342881	40.00	ug/ml	0.00
5) Naphthalene-d8	10.55	136	5155366	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.01	164	2764130	40.00	ug/ml	-0.01
18) Chrysene-d12	29.06	240	2574345	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.51	112	8623064	182.34	ug/Kg	91.17%
3) Phenol-d5 (SURR)	6.54	99	11196009	193.19	ug/Kg	96.60%
6) Nitrobenzene-d5 (SURROGATE	8.63	82	4422057	98.12	ug/Kg	98.12%
11) 2-Fluorobiphenyl (SURROGAT	14.01	172	8477411	88.76	ug/Kg	88.76%
17) 2,4,6-Tribromophenol (SURR	18.56	330	2101817	174.07	ug/Kg	87.04%
19) p-Terphenyl-d14 (SURROGATE	25.85	244	7041622	98.87	ug/Kg	98.87%
Target Compounds						Qvalue
4) Benzyl alcohol	0.00	108		Not Detected		
7) 2,6-Dichlorophenol	11.02	162	15728	11.73	ug/Kg	95
8) 4 - Chloroaniline	10.96	127	6751	3.44	ug/Kg#	41
9) 2-Methylnaphthalene	12.69	142	596061	200.82	ug/Kg	86
12) 2-Nitroaniline	14.91	65	8103	12.15	ug/Kg	96
13) 3-Nitroaniline	16.11	138	14474	18.03	ug/Kg#	14
14) Dibenzofuran	16.59	168	64329	18.31	ug/Kg	84
15) 2,3,4,6-Tetrachlorophenol	17.07	232	3374	5.70	ug/Kg	99
16) 4-Nitroaniline	18.09	138	6039	8.07	ug/Kg#	12
20) 3,3-Dimethylbenzidine	27.45	212	1308	1.05	ug/Kg#	69

001461

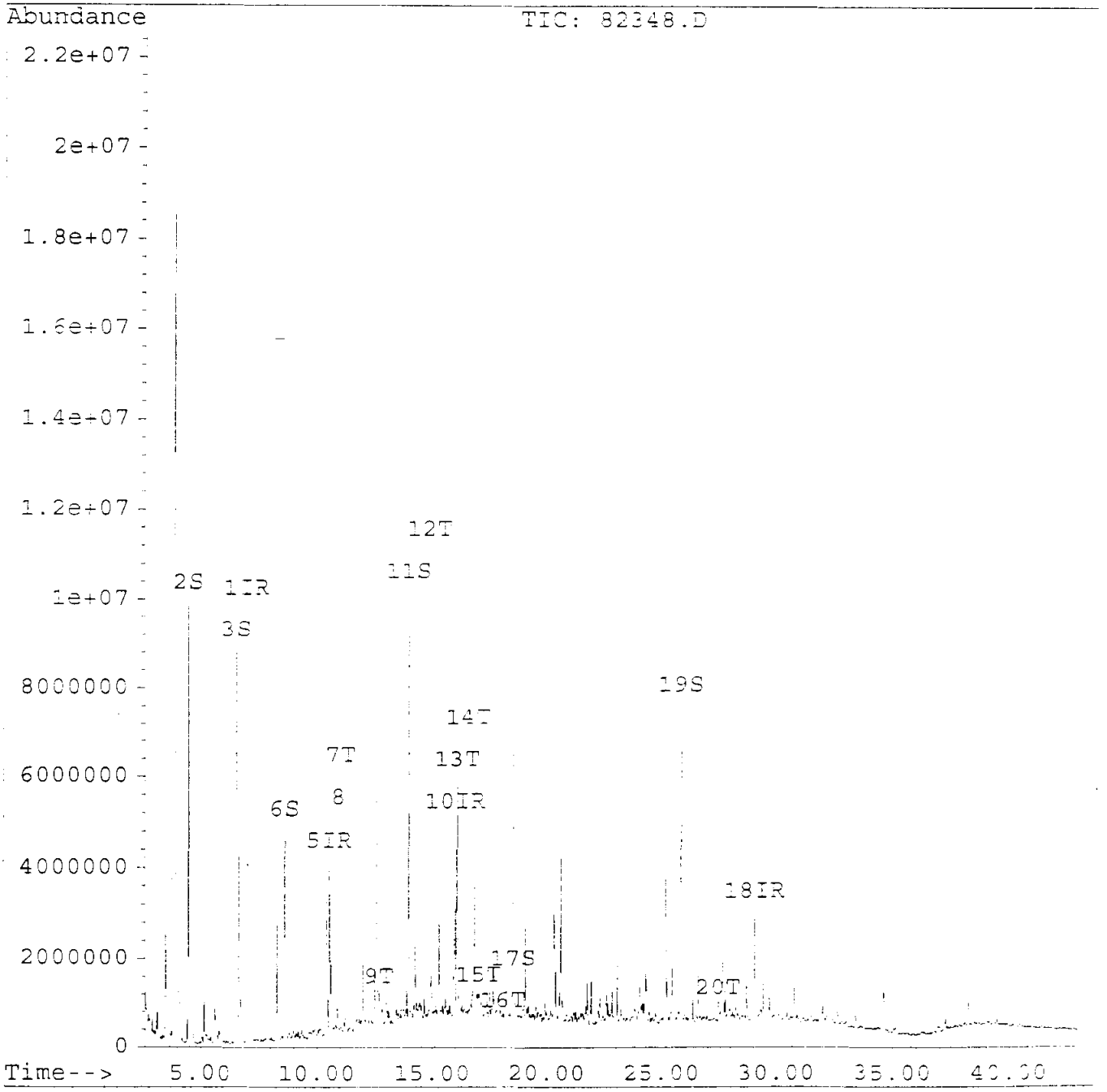
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82348.D
Acq On : 4 Aug 95 5:43 am
Sample : 82348 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:01 1995

Vial: 20
Operator: LAW
Inst : 5971 -
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



001462

GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950711-FW-IW-SL0019D
Control No.: 82390
Prep Date: 7/18/95
Sample Date: 7/11/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 5:21PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	402	402
Acenaphthylene	<	402	402
Anthracene	<	402	402
Benzo(a)anthracene	<	402	402
Benzo(b)fluoranthene	<	402	402
Benzo(k)fluoranthene	<	402	402
Benzo(g,h,i)perylene	<	402	402
Benzo(a)pyrene	<	402	402
Benzyl alcohol	<	402	402
bis(2-Chloroethoxy)methane	<	402	402
bis(2-Chloroethyl)ether	<	402	402
bis(2-Chloroisopropyl)ether	<	402	402
bis(2-Ethylhexyl)phthalate	<	402	402
4-Bromophenyl phenyl ether	<	402	402
p-Chloroaniline	<	805	805
4-Chloro-3-methylphenol	<	402	402
2-Chloronaphthalene	<	402	402
2-Chlorophenol	<	402	402
4-Chlorophenylphenyl ether	<	402	402
Chrysene	<	402	402
Dibenz(a,h)anthracene	<	402	402
Dibenzofuran	<	402	402
Di-n-butylphthalate	<	402	402
1,2-Dichlorobenzene	<	402	402
1,3-Dichlorobenzene	<	402	402
1,4-Dichlorobenzene	<	402	402
2,4-Dichlorophenol	<	402	402
2,6-Dichlorophenol	<	402	402
Diethylphthalate	<	402	402
3,3'-Dimethylbenzidine	<	2073	2073
2,4-Dimethylphenol	<	402	402
Dimethylphthalate	<	402	402

2,4-Dinitrophenol	<	2073	2073
2,4-Dinitrotoluene	<	402	402
2,6-Dinitrotoluene	<	402	402
Di-n-octylphthalate	<	402	402
Fluoranthene	<	402	402
Fluorene	<	402	402
Hexachlorobenzene	<	402	402
Hexachlorobutadiene	<	402	402
Hexachlorocyclopentadiene	<	402	402
Hexachloroethane	<	402	402
Indeno(1,2,3-cd)pyrene	<	402	402
Isophorone	<	402	402
2-Methyl-4,6-dinitrophenol	<	2073	2073
2-Methylnaphthalene	<	402	402
2-Methylphenol (o-cresol)	<	402	402
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	402	402
Naphthalene	<	402	402
2-Nitroaniline	<	2073	2073
3-Nitroaniline	<	2073	2073
4-Nitroaniline	<	2073	2073
Nitrobenzene	<	402	402
2-Nitrophenol	<	402	402
4-Nitrophenol	<	2073	2073
N-Nitrosodimethylamine	<	402	402
n-Nitrosodi-n-propylamine	<	402	402
Pentachlorophenol	<	2073	2073
Phenanthrene	<	402	402
Phenol	<	402	402
Pyrene	<	402	402
Pyridine	<	402	402
2,3,4,6-Tetrachlorophenol	<	2073	2073
1,2,4-Trichlorobenzene	<	402	402
2,4,5-Trichlorophenol	<	2073	2073
2,4,6-Trichlorophenol	<	402	402

Surrogate Recoveries		Range
2-Fluorophenol	82.0 %	25 - 121
Phenol-d5	76.3 %	24 - 113
Nitrobenzene-d5	76.1 %	23 - 120
2-Fluorobiphenyl	81.8 %	30 - 115
2,4,6-Tribromophenol	83.7 %	19 - 122
4-Terphenyl-d14	101.6 %	18 - 137

Percent Solids	82 %

Approved by: _____

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82390.D
Acq On : 6 Aug 95 5:21 pm
Sample : 82390 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:47 1995

Vial: 8
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	762502	40.00 ug/L	0.03
17) Naphthalene-d8	10.55	136	2912443	40.00 ug/L	0.00
29) Acenaphthene-d10	16.01	164	1533143	40.00 ug/L	0.00
45) Phenanthrene-d10	20.65	188	2001248	40.00 ug/L	0.00
56) Chrysene-d12	29.07	240	765302	40.00 ug/L	0.02
63) Perylene-d12	34.60	264	466165	40.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
4) 2-Fluorophenol (SURR)	4.54	112	4302681	5467.35 ug/kg	82.02%
5) Phenol-d5 (SURR)	6.59	99	5495834	5083.80 ug/kg	76.26%
18) Nitrobenzene-d5 (SURROGATE	8.63	82	2150229	2535.13 ug/kg	76.06%
33) 2-Fluorobiphenyl (SURROGAT	14.01	172	4397157	2726.07 ug/kg	81.79%
48) 2,4,6-Tribromophenol (SURR	18.58	330	882323	5580.92 ug/kg	83.72%
58) p-Terphenyl-d14 (SURROGATE	25.85	244	2786281	3386.60 ug/kg	101.61%
Target Compounds					**Qvalue**
2) Pyridine	2.54	79	2651	4.15 ug/kg	95
3) N-Nitrosodimethylamine	2.57	42	1202	2.50 ug/kg#	1
6) Phenol (CCC)	6.60	94	13858	12.65 ug/kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	6.67	128	6331	7.18 ug/kg#	31
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.92	45	2387	2.28 ug/kg#	52
14) m,p-Cresol	8.45	107	2741	3.05 ug/kg	90
15) n-Nitrosodi-n-propylamine(	8.38	70	1189	2.23 ug/kg#	12
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.63	77	8955	10.38 ug/kg#	24
20) Isophorone	9.35	82	3730	2.26 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.60	128	38591	16.00 ug/kg	97
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	14.40	162	1289	1.00 ug/kg#	40
35) Dimethylphthalate	15.42	163	1121	0.65 ug/kg#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82390.D
Acq On : 6 Aug 95 5:21 pm
Sample : 82390 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:47 1995

Vial: 8
Operator: JFS
Inst : 5971 - T
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.50	152	1165	0.51 ug/kg#	55
37)	2,6-Dinitrotoluene	15.70	165	2029	5.23 ug/kg#	48
38)	Acenaphthene (CCC)	16.10	154	5663	4.49 ug/kg	98
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	17.04	139	2015	7.23 ug/kg#	23
41)	2,4-Dinitrotoluene	16.88	165	1477	2.95 ug/kg#	36
42)	Diethylphthalate	17.70	149	18401	10.43 ug/kg	95
43)	Fluorene	17.68	166	7218	4.79 ug/kg	92
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	18.25	169	13167	11.89 ug/kg	92
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	20.69	178	58792	30.91 ug/kg	94
53)	Anthracene	20.88	178	2759	1.42 ug/kg#	6
54)	Di-n-butylphthalate	22.83	149	338546	137.69 ug/kg	9[illegible]
55)	Fluoranthene (CCC)	24.47	202	23937	15.89 ug/kg	82
57)	Pyrene	25.17	202	30202	22.47 ug/kg	97
59)	Benzo(a)anthracene	29.00	228	12491	16.62 ug/kg#	47
60)	Chrysene	29.12	228	22317	31.67 ug/kg	78
61)	Bis(2-ethylhexyl)phthalate	29.42	149	186365	259.07 ug/kg	98
62)	Di-n-octylphthalate (CCC)	31.50	149	13129	12.40 ug/kg#	96
64)	Benzo(b)fluoranthene	32.83	252	6101	12.91 ug/kg	100
65)	Benzo(k)fluoranthene	32.83	252	6101	12.58 ug/kg	72
66)	Benzo(a)pyrene (CCC)	34.29	252	3198	7.99 ug/kg	58
67)	Indeno(1,2,3-cd)pyrene	0.00	276		Not Detected	
68)	Dibenzo(a,h)anthracene	39.82	278	1013	3.82 ug/kg#	52
69)	Benzo(g,h,i)perylene	0.00	276		Not Detected	

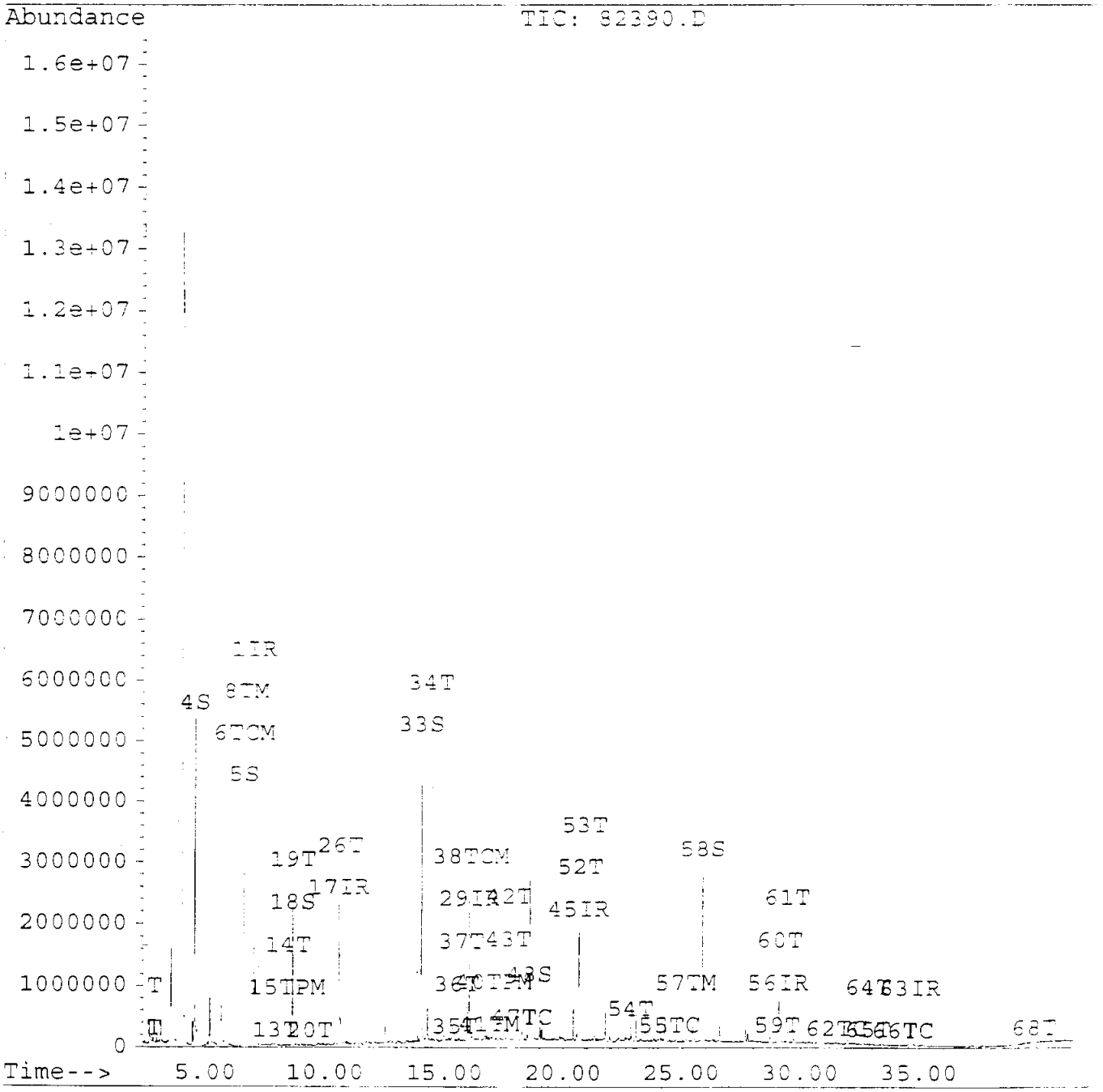
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82390.D
Acq On : 6 Aug 95 5:21 pm
Sample : 82390 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:47 1995

Vial: 8
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 18, 1995

Analysis to be run _____

Technician Kim Brock/Dawn Moncastle

Sample Number 82390 950711fw-Iw-SL40190

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
6.00g	4.91g	1.09	18%

Oven Temperature 105°

Time in 4:30 pm

Time out 10:30 AM

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

82

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82390.D
Acq On : 4 Aug 95 4:55 am
Sample : 82390 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:07 1995

Vial: 19
Operator: LAW
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	1508787	40.00	ug/ml	0.00
5) Naphthalene-d8	10.55	136	5739357	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.00	164	2970567	40.00	ug/ml	-0.02
18) Chrysene-d12	29.05	240	2915420	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.51	112	8107793	152.59	ug/Kg	76.29%
3) Phenol-d5 (SURR)	6.52	99	10655388	163.65	ug/Kg	81.82%
6) Nitrobenzene-d5 (SURROGATE	8.62	82	4138857	82.49	ug/Kg	82.49%
11) 2-Fluorobiphenyl (SURROGAT	14.00	172	8169015	79.59	ug/Kg	79.59%
17) 2,4,6-Tribromophenol (SURR	18.55	330	1768209	136.26	ug/Kg	68.13%
19) p-Terphenyl-d14 (SURROGATE	25.84	244	7353516	91.17	ug/Kg	91.17%
Target Compounds						Qvalue
4) Benzyl alcohol	7.96	108	1539	1.39	ug/Kg#	54
7) 2,6-Dichlorophenol	11.03	162	2384	1.59	ug/Kg#	17
8) 4 - Chloroaniline	10.96	127	6601	3.01	ug/Kg#	41
9) 2-Methylnaphthalene	12.69	142	71865	21.66	ug/Kg	97
12) 2-Nitroaniline	14.75	65	1535	2.13	ug/Kg#	1
13) 3-Nitroaniline	16.14	138	1932	2.23	ug/Kg#	1
14) Dibenzofuran	16.59	168	22121	5.84	ug/Kg	84
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	17.94	138	1277	1.58	ug/Kg#	12
20) 3,3-Dimethylbenzidine	27.38	212	1095	0.78	ug/Kg#	1

(#) = qualifier out of range (m) = manual integration

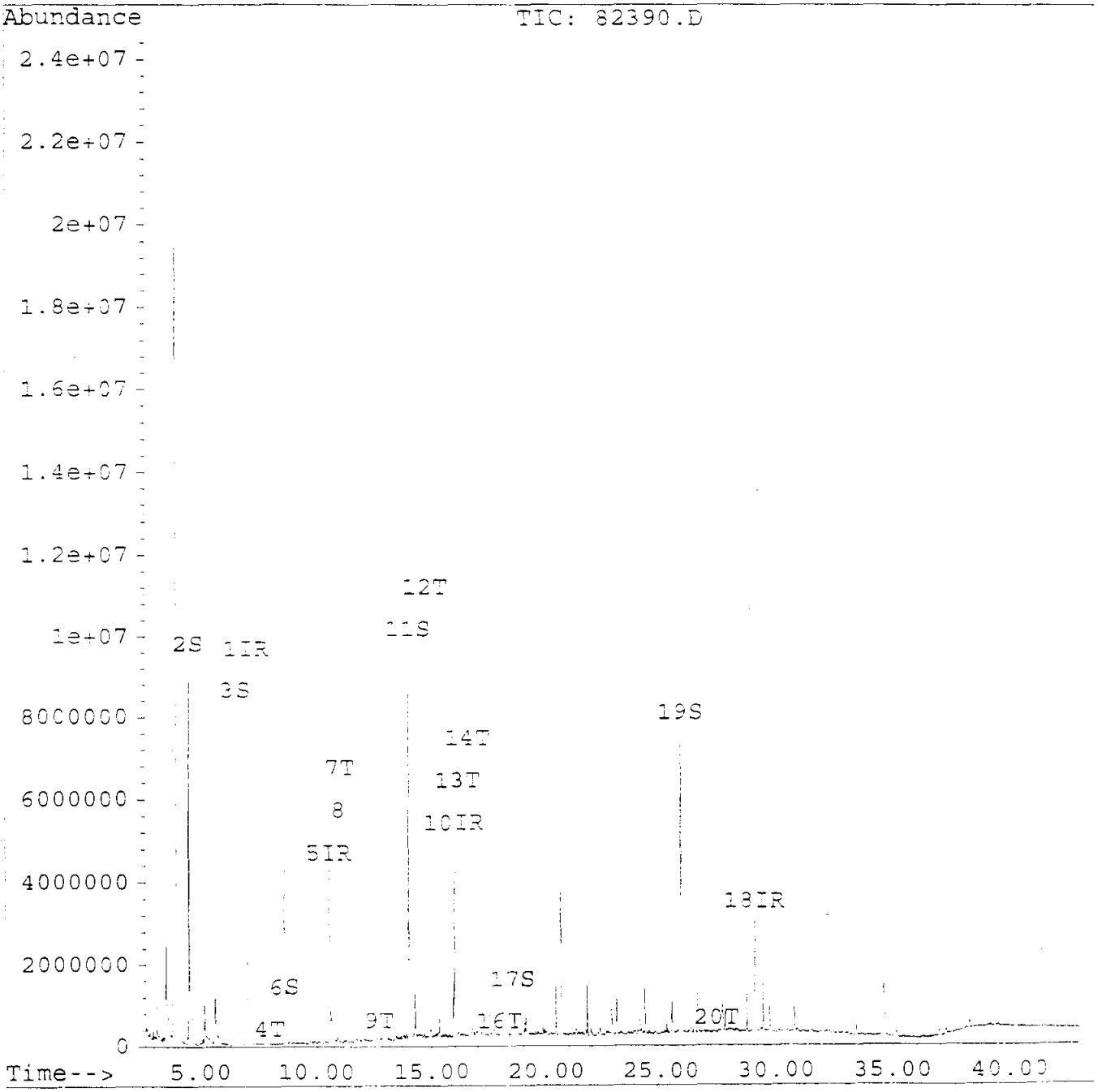
001463

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82390.D
Acq On : 4 Aug 95 4:55 am
Sample : 82390 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 15 10:07 1995

Vial: 19
Operator: LAW
Inst : 5971
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



001470

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950711-FW-IW-SL0026
Control No.: 82392
Prep Date: 7/18/95
Sample Date: 7/11/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 12:35PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	398	398
Acenaphthylene	<	398	398
Anthracene	<	398	398
Benzo(a)anthracene	<	398	398
Benzo(b)fluoranthene	<	398	398
Benzo(k)fluoranthene	<	398	398
Benzo(g,h,i)perylene	<	398	398
Benzo(a)pyrene	<	398	398
Benzyl alcohol	<	398	398
bis(2-Chloroethoxy)methane	<	398	398
bis(2-Chloroethyl)ether	<	398	398
bis(2-Chloroisopropyl)ether	<	398	398
bis(2-Ethylhexyl)phthalate	<	398	398
4-Bromophenyl phenyl ether	<	398	398
p-Chloroaniline	<	795	795
4-Chloro-3-methylphenol	<	398	398
2-Chloronaphthalene	<	398	398
2-Chlorophenol	<	398	398
4-Chlorophenylphenyl ether	<	398	398
Chrysene	<	398	398
Dibenz(a,h)anthracene	<	398	398
Dibenzofuran	<	398	398
Di-n-butylphthalate	<	398	398
1,2-Dichlorobenzene	<	398	398
1,3-Dichlorobenzene	<	398	398
1,4-Dichlorobenzene	<	398	398
2,4-Dichlorophenol	<	398	398
2,6-Dichlorophenol	<	398	398
Diethylphthalate	<	398	398
3,3'-Dimethylbenzidine	<	2048	2048
2,4-Dimethylphenol	<	398	398
Dimethylphthalate	<	398	398

GUARDIAN SYSTEMS Inc

2,4-Dinitrophenol	<	2048	2048
2,4-Dinitrotoluene	<	398	398
2,6-Dinitrotoluene	<	398	398
Di-n-octylphthalate	<	398	398
Fluoranthene	<	398	398
Fluorene	<	398	398
Hexachlorobenzene	<	398	398
Hexachlorobutadiene	<	398	398
Hexachlorocyclopentadiene	<	398	398
Hexachloroethane	<	398	398
Indeno(1,2,3-cd)pyrene	<	398	398
Isophorone	<	398	398
2-Methyl-4,6-dinitrophenol	<	2048	2048
2-Methylnaphthalene	<	398	398
2-Methylphenol (o-cresol)	<	398	398
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	398	398
Naphthalene	<	398	398
2-Nitroaniline	<	2048	2048
3-Nitroaniline	<	2048	2048
4-Nitroaniline	<	2048	2048
Nitrobenzene	<	398	398
2-Nitrophenol	<	398	398
4-Nitrophenol	<	2048	2048
N-Nitrosodimethylamine	<	398	398
n-Nitrosodi-n-propylamine	<	398	398
Pentachlorophenol	<	2048	2048
Phenanthrene	<	398	398
Phenol	<	398	398
Pyrene	<	398	398
Pyridine	<	398	398
2,3,4,6-Tetrachlorophenol	<	2048	2048
1,2,4-Trichlorobenzene	<	398	398
2,4,5-Trichlorophenol	<	2048	2048
2,4,6-Trichlorophenol	<	398	398

Surrogate Recoveries		Range
2-Fluorophenol	71.4 %	25 - 121
Phenol-d5	64.3 %	24 - 113
Nitrobenzene-d5	62.2 %	23 - 120
2-Fluorobiphenyl	68.1 %	30 - 115
2,4,6-Tribromophenol	82.1 %	19 - 122
4-Terphenyl-d14	88.0 %	18 - 137
Percent Solids	83 %	

Approved by:

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82392.D
Acq On : 6 Aug 95 12:35 pm
Sample : 82392 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:54 1995

Vial: 2
Operator: JFS
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	719132	40.00 ug/kg	0.01
17) Naphthalene-d8	10.54	136	2868265	40.00 ug/kg	-0.02
29) Acenaphthene-d10	15.99	164	1443058	40.00 ug/kg	-0.01
45) Phenanthrene-d10	20.62	188	1887973	40.00 ug/kg	-0.02
56) Chrysene-d12	29.04	240	749199	40.00 ug/kg	0.00
63) Perylene-d12	34.58	264	461978	40.00 ug/kg	-0.02
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.55	112	3521029	4758.27 ug/kg	71.38%
5) Phenol-d5 (SURR)	6.57	99	4356908	4286.23 ug/kg	64.30%
18) Nitrobenzene-d5 (SURROGATE	8.61	82	1726508	2073.15 ug/kg	62.20%
33) 2-Fluorobiphenyl (SURROGAT	13.98	172	3435522	2269.69 ug/kg	68.10%
48) 2,4,6-Tribromophenol (SURR	18.55	330	814047	5474.48 ug/kg	82.13%
58) p-Terphenyl-d14 (SURROGATE	25.83	244	2355686	2933.61 ug/kg	88.02%
Target Compounds					Qvalue
2) Pyridine	2.51	79	10133	16.86 ug/kg#	72
3) N-Nitrosodimethylamine	2.61	42	4474	9.91 ug/kg#	1
6) Phenol (CCC)	6.58	94	5443	5.29 ug/kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	6.67	128	4764	5.74 ug/kg#	51
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.97	45	1118	1.13 ug/kg#	52
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine	0.00	70		Not Detected	
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.61	77	6041	7.13 ug/kg#	24
20) Isophorone	9.32	82	1134	0.70 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.58	128	8199	3.46 ug/kg#	70
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82392.D
Acq On : 6 Aug 95 12:35 pm
Sample : 82392 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:54 1995

Vial: 2
Operator: JFS
Inst : 5971 - Tn
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.48	152	14080	6.53 ug/kg	98
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.06	154	1983	1.67 ug/kg	95
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	17.68	149	19578	11.82 ug/kg	96
43)	Fluorene	17.67	166	5643	3.99 ug/kg	82
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	0.00	169		Not Detected	
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	20.67	178	89237	49.89 ug/kg	100
53)	Anthracene	20.80	178	22779	12.48 ug/kg	9
54)	Di-n-butylphthalate	22.82	149	304584	131.71 ug/kg	9
55)	Fluoranthene (CCC)	24.45	202	217798	153.71 ug/kg	98
57)	Pyrene	25.14	202	168514	128.43 ug/kg	100
59)	Benzo(a)anthracene	28.97	228	51194	69.81 ug/kg	79
60)	Chrysene	29.11	228	55755	81.07 ug/kg	98
61)	Bis(2-ethylhexyl)phthalate	29.40	149	141613	201.70 ug/kg	98
62)	Di-n-octylphthalate (CCC)	31.40	149	1001	0.97 ug/kg#	96
64)	Benzo(b)fluoranthene	32.82	252	23846	51.08 ug/kg#	100
65)	Benzo(k)fluoranthene	32.82	252	23846	49.77 ug/kg	82
66)	Benzo(a)pyrene (CCC)	34.29	252	17412	44.02 ug/kg	78
67)	Indeno(1,2,3-cd)pyrene	39.76	276	7774	25.67 ug/kg	89
68)	Dibenzo(a,h)anthracene	39.82	278	1523	5.81 ug/kg#	52
69)	Benzo(g,h,i)perylene	40.53	276	6690	28.73 ug/kg#	42

(#) = qualifier out of range (m) = manual integration

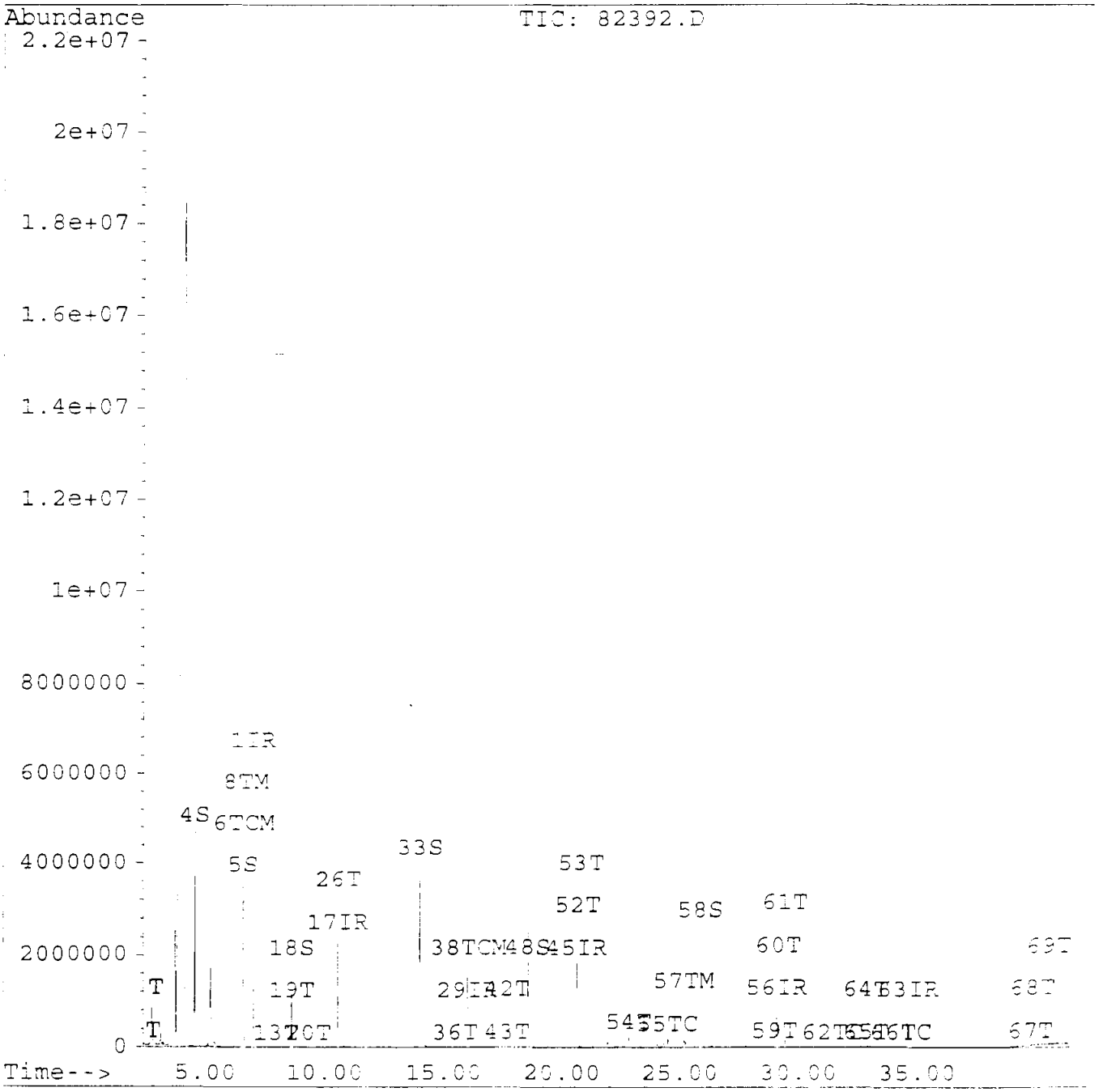
001471

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82392.D
Acq On : 6 Aug 95 12:35 pm
Sample : 82392 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 16:54 1995

Vial: 2
Operator: JFS
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 18, 1995

Analysis to be run _____

Technician Kim Brock/Dawn Hurncastle

Sample Number 82392 950711FW Inv 5L0026

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
7.46g	6.22g	1.24g	17%

Oven Temperature 105°

Time in 4:30 pm

Time out 10:30 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82392.D
Acq On : 4 Aug 95 2:30 am
Sample : 82392 30.1g/1ml 1ul injection
Misc : Sloss industries soils
Quant Time: Nov 15 10:06 1995

Vial: 16
Operator: LAW
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1545940	40.00	ug/ml	0.02
5) Naphthalene-d8	10.56	136	5980424	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.00	164	3034495	40.00	ug/ml	-0.02
18) Chrysene-d12	29.05	240	3069856	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.53	112	7246449	133.10	ug/Kg	66.55%
3) Phenol-d5 (SURR)	6.52	99	9217837	138.17	ug/Kg	69.08%
6) Nitrobenzene-d5 (SURROGATE	8.62	82	3649343	69.80	ug/Kg	69.80%
11) 2-Fluorobiphenyl (SURROGAT	13.99	172	6881937	65.64	ug/Kg	65.64%
17) 2,4,6-Tribromophenol (SURR	18.55	330	1721425	129.86	ug/Kg	64.93%
19) p-Terphenyl-d14 (SURROGATE	25.84	244	6704534	78.94	ug/Kg	78.94%
Target Compounds						Qvalue
4) Benzyl alcohol	0.00	108		Not Detected		
7) 2,6-Dichlorophenol	0.00	162		Not Detected		
8) 4 - Chloroaniline	0.00	127		Not Detected		
9) 2-Methylnaphthalene	12.68	142	6381	1.85	ug/Kg	97
12) 2-Nitroaniline	0.00	65		Not Detected		
13) 3-Nitroaniline	0.00	138		Not Detected		
14) Dibenzofuran	16.59	168	9937	2.58	ug/Kg	88
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	0.00	138		Not Detected		
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected		

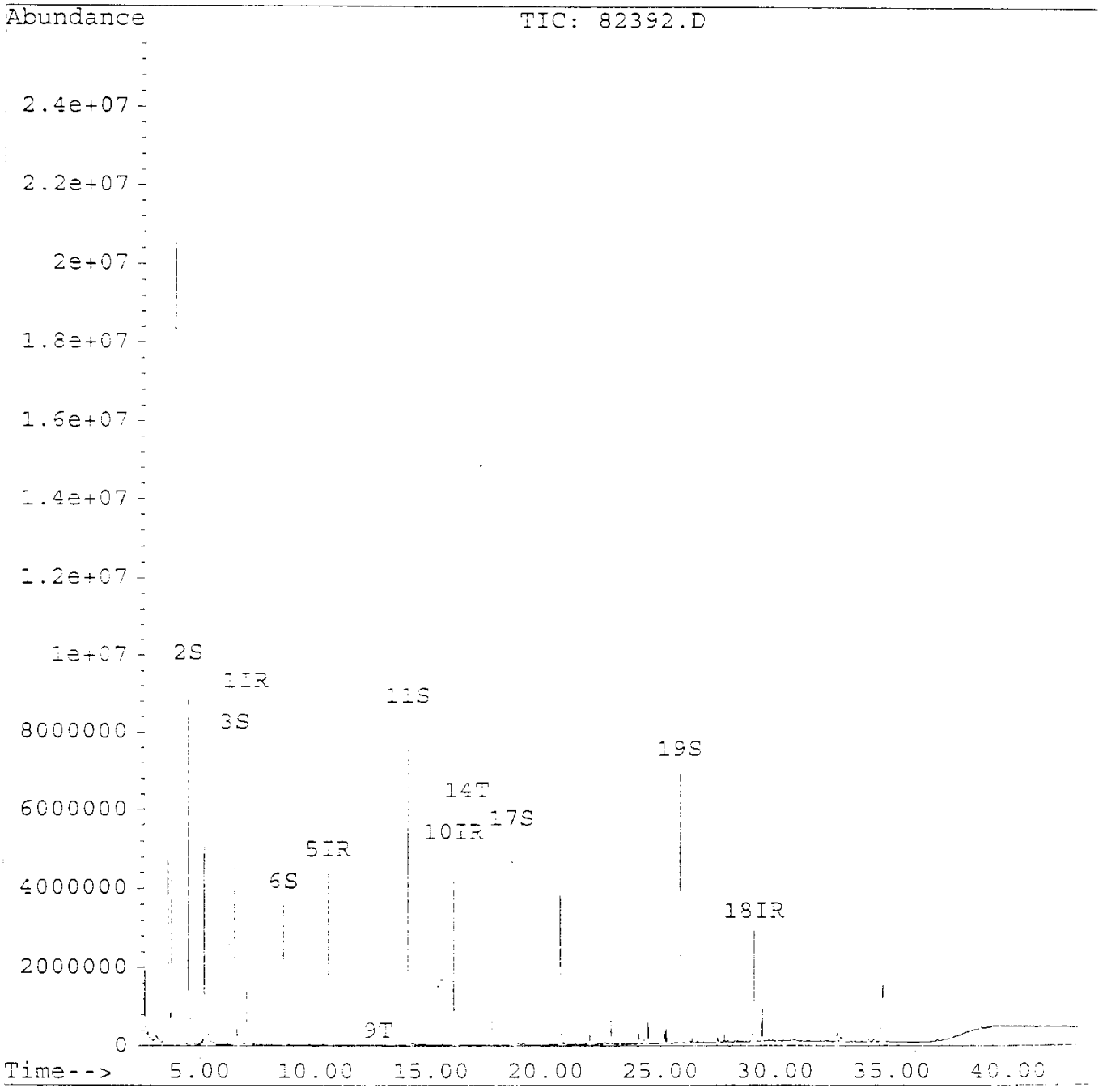
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82392.D
Acq On : 4 Aug 95 2:30 am
Sample : 82392 30.1g/1ml 1ul injection
Misc : Sloss industries soils
Quant Time: Nov 15 10:06 1995

Vial: 16
Operator: LAW
Inst : 5971 - In
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



001472

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/16/95
ID number : 950713-FW-IW-SL0027
Control No.: 82517
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

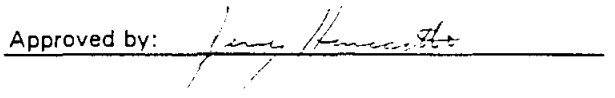
Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 1:23PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	371	371
Acenaphthylene	<	371	371
Anthracene	<	371	371
Benzo(a)anthracene	<	371	371
Benzo(b)fluoranthene	<	371	371
Benzo(k)fluoranthene	<	371	371
Benzo(g,h,i)perylene	<	371	371
Benzo(a)pyrene	<	371	371
Benzyl alcohol	<	371	371
bis(2-Chloroethoxy)methane	<	371	371
bis(2-Chloroethyl)ether	<	371	371
bis(2-Chloroisopropyl)ether	<	371	371
bis(2-Ethylhexyl)phthalate	<	371	371
4-Bromophenyl phenyl ether	<	371	371
p-Chloroaniline	<	742	742
4-Chloro-3-methylphenol	<	371	371
2-Chloronaphthalene	<	371	371
2-Chlorophenol	<	371	371
4-Chlorophenylphenyl ether	<	371	371
Chrysene	<	371	371
Dibenz(a,h)anthracene	<	371	371
Dibenzofuran	<	371	371
Di-n-butylphthalate	<	371	371
1,2-Dichlorobenzene	<	371	371
1,3-Dichlorobenzene	<	371	371
1,4-Dichlorobenzene	<	371	371
2,4-Dichlorophenol	<	371	371
2,6-Dichlorophenol	<	371	371
Diethylphthalate	<	371	371
3,3'-Dimethylbenzidine	<	1910	1910
2,4-Dimethylphenol	<	371	371
Dimethylphthalate	<	371	371

2,4-Dinitrophenol	<	1910	1910
2,4-Dinitrotoluene	<	371	371
2,6-Dinitrotoluene	<	371	371
Di-n-octylphthalate	<	371	371
Fluoranthene	<	371	371
Fluorene	<	371	371
Hexachlorobenzene	<	371	371
Hexachlorobutadiene	<	371	371
Hexachlorocyclopentadiene	<	371	371
Hexachloroethane	<	371	371
Indeno(1,2,3-cd)pyrene	<	371	371
Isophorone	<	371	371
2-Methyl-4,6-dinitrophenol	<	1910	1910
2-Methylnaphthalene	<	371	371
2-Methylphenol (o-cresol)	<	371	371
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	371	371
Naphthalene	<	371	371
2-Nitroaniline	<	1910	1910
3-Nitroaniline	<	1910	1910
4-Nitroaniline	<	1910	1910
Nitrobenzene	<	371	371
2-Nitrophenol	<	371	371
4-Nitrophenol	<	1910	1910
N-Nitrosodimethylamine	<	371	371
n-Nitrosodi-n-propylamine	<	371	371
Pentachlorophenol	<	1910	1910
Phenanthrene	<	371	371
Phenol	<	371	371
Pyrene	<	371	371
Pyridine	<	371	371
2,3,4,6-Tetrachlorophenol	<	1910	1910
1,2,4-Trichlorobenzene	<	371	371
2,4,5-Trichlorophenol	<	1910	1910
2,4,6-Trichlorophenol	<	371	371

Surrogate Recoveries		Range
2-Fluorophenol	76.8 %	25 - 121
Phenol-d5	72.1 %	24 - 113
Nitrobenzene-d5	70.8 %	23 - 120
2-Fluorobiphenyl	77.5 %	30 - 115
2,4,6-Tribromophenol	79.7 %	19 - 122
4-Terphenyl-d14	94.3 %	18 - 137

Percent Solids	89 %

Approved by: 

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82517.D
Acq On : 6 Aug 95 1:23 pm
Sample : 82517 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:08 1995

Vial: 3
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	744798	40.00 ug/L	0.02
17) Naphthalene-d8	10.55	136	2936832	40.00 ug/L	0.00
29) Acenaphthene-d10	16.01	164	1507905	40.00 ug/L	0.00
45) Phenanthrene-d10	20.63	188	2028689	40.00 ug/L	0.00
56) Chrysene-d12	29.06	240	795133	40.00 ug/L	0.00
63) Perylene-d12	34.60	264	467475	40.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
4) 2-Fluorophenol (SURR)	4.55	112	3935439	5119.56 ug/kg	76.80%
5) Phenol-d5 (SURR)	6.58	99	5073749	4804.92 ug/kg	72.08%
18) Nitrobenzene-d5 (SURROGATE	8.62	82	2019303	2360.99 ug/kg	70.84%
33) 2-Fluorobiphenyl (SURROGAT	14.00	172	4099364	2583.99 ug/kg	77.53%
48) 2,4,6-Tribromophenol (SURR	18.56	330	851560	5313.48 ug/kg	79.71%
58) p-Terphenyl-d14 (SURROGATE	25.84	244	2687516	3144.00 ug/kg	94.33%
Target Compounds					**Qvalue**
2) Pyridine	2.54	79	1877	3.01 ug/kg#	55
3) N-Nitrosodimethylamine	2.57	42	4327	9.23 ug/kg#	1
6) Phenol (CCC)	6.59	94	15127	14.14 ug/kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	6.67	128	5167	6.00 ug/kg#	31
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.86	45	1228	1.20 ug/kg#	52
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine(	8.41	70	1019	1.95 ug/kg#	1
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.62	77	5914	6.80 ug/kg#	24
20) Isophorone	9.28	82	1058	0.63 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	10.18	93	1097	1.13 ug/kg#	42
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.59	128	26729	10.99 ug/kg	100
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

00148

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82517.D
Acq On : 6 Aug 95 1:23 pm
Sample : 82517 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:08 1995

Vial: 3
Operator: JFS
Inst : 5971 -
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

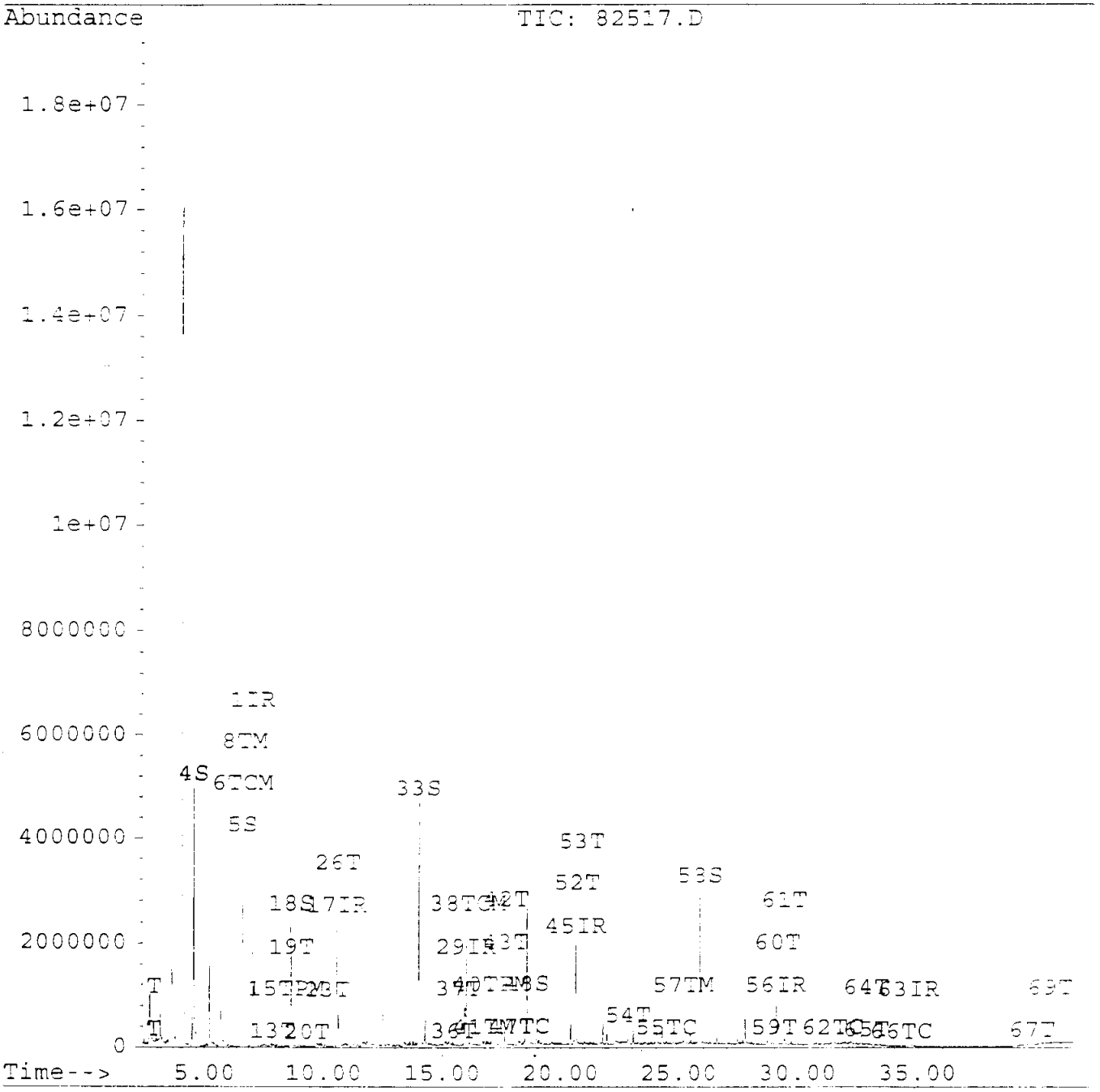
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.50	152	5867	2.60 ug/kg	91
37)	2,6-Dinitrotoluene	15.67	165	1857	4.86 ug/kg#	27
38)	Acenaphthene (CCC)	16.09	154	2735	2.20 ug/kg#	75
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	17.04	139	1278	4.66 ug/kg#	23
41)	2,4-Dinitrotoluene	16.77	165	1316	2.68 ug/kg#	36
42)	Diethylphthalate	17.69	149	26068	15.02 ug/kg	96
43)	Fluorene	17.67	166	3370	2.27 ug/kg#	1
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	18.23	169	6301	5.61 ug/kg	94
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	20.68	178	26863	13.93 ug/kg	95
53)	Anthracene	20.87	178	3649	1.86 ug/kg#	6
54)	Di-n-butylphthalate	22.82	149	320024	128.40 ug/kg	100
55)	Fluoranthene (CCC)	24.46	202	37749	24.72 ug/kg	88
57)	Pyrene	25.15	202	30969	22.17 ug/kg	96
59)	Benzo(a)anthracene	28.99	228	14498	18.57 ug/kg	75
60)	Chrysene	29.12	228	19690	26.90 ug/kg	100
61)	Bis(2-ethylhexyl)phthalate	29.41	149	190067	254.30 ug/kg	98
62)	Di-n-octylphthalate (CCC)	31.42	149	92782	84.35 ug/kg	94
64)	Benzo(b)fluoranthene	32.83	252	10573	22.32 ug/kg	100
65)	Benzo(k)fluoranthene	32.83	252	10573	21.74 ug/kg#	55
66)	Benzo(a)pyrene (CCC)	34.30	252	5092	12.68 ug/kg#	54
67)	Indeno(1,2,3-cd)pyrene	39.77	276	1096	3.57 ug/kg#	11
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	40.51	276	1547	6.55 ug/kg#	42

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82517.D
Acq On : 6 Aug 95 1:23 pm
Sample : 82517 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:08 1995

Vial: 3
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 18, 1995

Analysis to be run _____

Technician Kim Brock / Dawn Horncastle

Sample Number 82517 950713 FW IW SL0027

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.01g	4.46g	.55	11%

Oven Temperature 105°

Time in 4:30 pm

Time out 10:30 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82517.D
Acq On : 4 Aug 95 4:07 am
Sample : 82517 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 4 4:51 1995

Vial: 18
Operator: LAW
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	1540156	40.00 ug/L	0.02
5) Naphthalene-d8	10.55	136	5850776	40.00 ug/L	0.00
10) Acenaphthene-d10	16.00	164	2965779	40.00 ug/L	-0.02
18) Chrysene-d12	29.05	240	2950984	40.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol(SURROGATE)	4.52	112	7837202	4782.12 ug/kg	71.73%
3) Phenol-d5(SURROGATE)	6.52	99	10238868	5108.58 ug/kg	76.63%
6) Nitrobenzene-d5(SURROGATE)	8.62	82	4080500	2638.35 ug/kg	79.15%
11) 2-Fluorobiphenyl(SURROGATE	14.00	172	7684019	2479.66 ug/kg	74.39%
17) 2,4,6-Tribromophenol(SURRO	18.55	330	1716069	4391.10 ug/kg	65.87%
19) p-Terphenyl-d14(SURROGATE)	25.84	244	6999520	2837.71 ug/kg	85.13%
Target Compounds					Qvalue
4) Benzyl Alcohol	7.60	108	192	0.17 ug/kg#	1
7) 2,6-Dichlorophenol	10.96	162	794	0.52 ug/kg#	17
8) 4-Chloroaniline	11.04	127	738	0.33 ug/kg	68
9) 2-Methylnaphthalene	12.68	142	22097	6.55 ug/kg	90
12) 2-Nitroaniline	14.81	65	744	1.04 ug/kg#	75
13) 3-Nitroaniline	16.13	138	511	0.59 ug/kg#	77
14) Dibenzofuran	16.58	168	11391	3.01 ug/kg	91
15) 2,3,4,6-Tetrachlorophenol	17.23	232	202	0.31 ug/kg#	11
16) 4-Nitroaniline	18.08	138	1157	1.44 ug/kg	83
20) 3,3-Dimethylbenzidine	27.41	212	394	0.26 ug/kg#	69

(#) = qualifier out of range (m) = manual integration

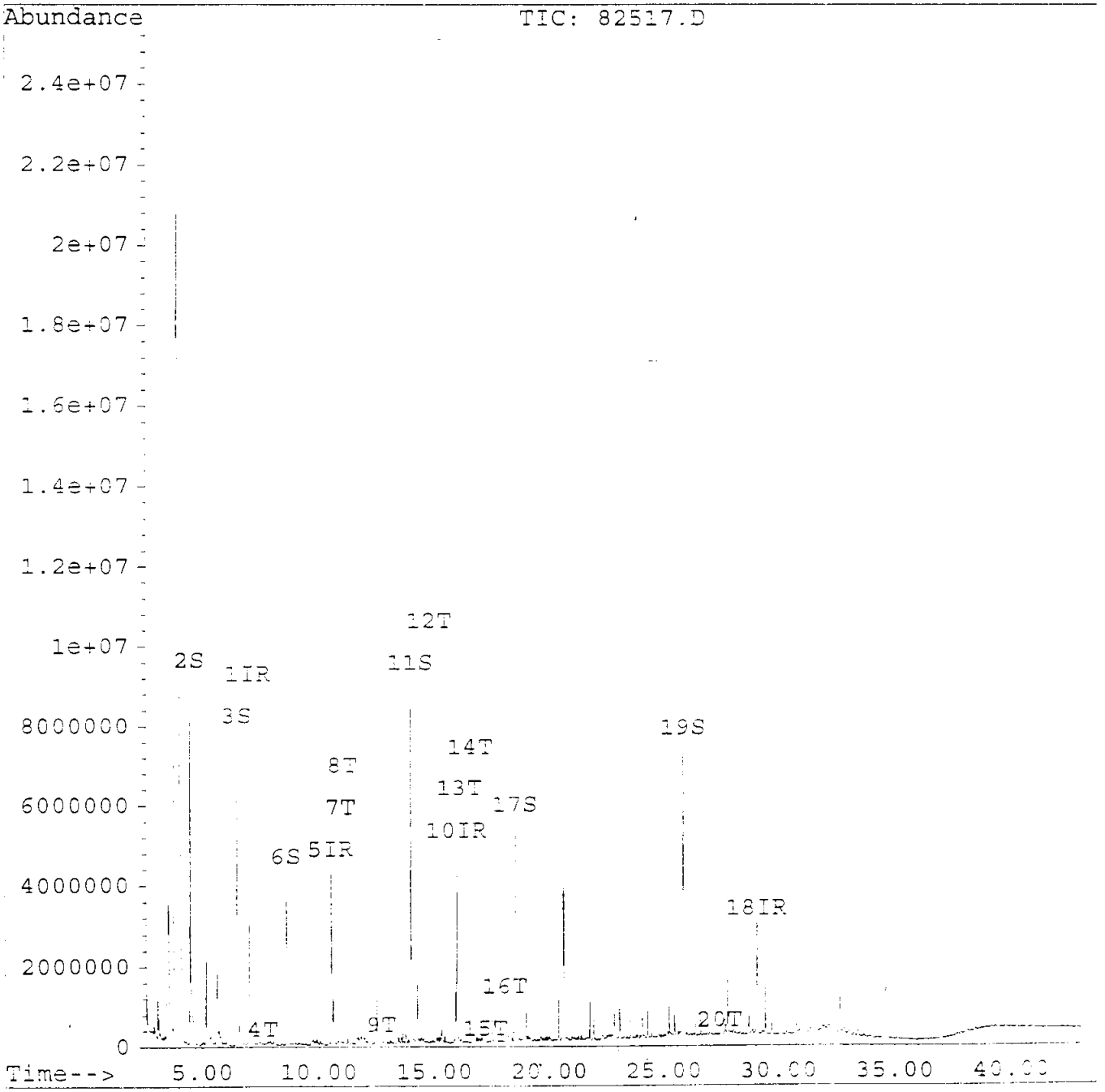
001485

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82517.D
Acq On : 4 Aug 95 4:07 am
Sample : 82517 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 4 4:51 1995

Vial: 18
Operator: LAW
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



GUARDIAN SYSTEMS, INC.

P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950713-FW-IW-SL0006S
Control No.: 82519
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 2:11PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	485	485
Acenaphthylene	<	485	485
Anthracene	<	485	485
Benzo(a)anthracene	<	485	485
Benzo(b)fluoranthene	<	485	485
Benzo(k)fluoranthene	<	485	485
Benzo(g,h,i)perylene	<	485	485
Benzo(a)pyrene	<	485	485
Benzyl alcohol	<	485	485
bis(2-Chloroethoxy)methane	<	485	485
bis(2-Chloroethyl)ether	<	485	485
bis(2-Chloroisopropyl)ether	<	485	485
bis(2-Ethylhexyl)phthalate	<	485	485
4-Bromophenyl phenyl ether	<	485	485
p-Chloroaniline	<	971	971
4-Chloro-3-methylphenol	<	485	485
2-Chloronaphthalene	<	485	485
2-Chlorophenol	<	485	485
4-Chlorophenylphenyl ether	<	485	485
Chrysene	<	485	485
Dibenz(a,h)anthracene	<	485	485
Dibenzofuran	<	485	485
Di-n-butylphthalate	<	485	485
1,2-Dichlorobenzene	<	485	485
1,3-Dichlorobenzene	<	485	485
1,4-Dichlorobenzene	<	485	485
2,4-Dichlorophenol	<	485	485
2,6-Dichlorophenol	<	485	485
Diethylphthalate	<	485	485
3,3'-Dimethylbenzidine	<	2500	2500
2,4-Dimethylphenol	<	485	485
Dimethylphthalate	<	485	485

2,4-Dinitrophenol	<	2500	2500
2,4-Dinitrotoluene	<	485	485
2,6-Dinitrotoluene	<	485	485
Di-n-octylphthalate	<	485	485
Fluoranthene	<	485	485
Fluorene	<	485	485
Hexachlorobenzene	<	485	485
Hexachlorobutadiene	<	485	485
Hexachlorocyclopentadiene	<	485	485
Hexachloroethane	<	485	485
Indeno(1,2,3-cd)pyrene	<	485	485
Isophorone	<	485	485
2-Methyl-4,6-dinitrophenol	<	2500	2500
2-Methylnaphthalene	<	485	485
2-Methylphenol (o-cresol)	<	485	485
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	485	485
Naphthalene	<	485	485
2-Nitroaniline	<	2500	2500
3-Nitroaniline	<	2500	2500
4-Nitroaniline	<	2500	2500
Nitrobenzene	<	485	485
2-Nitrophenol	<	485	485
4-Nitrophenol	<	2500	2500
N-Nitrosodimethylamine	<	485	485
n-Nitrosodi-n-propylamine	<	485	485
Pentachlorophenol	<	2500	2500
Phenanthrene	<	485	485
Phenol	<	485	485
Pyrene	<	485	485
Pyridine	<	485	485
2,3,4,6-Tetrachlorophenol	<	2500	2500
1,2,4-Trichlorobenzene	<	485	485
2,4,5-Trichlorophenol	<	2500	2500
2,4,6-Trichlorophenol	<	485	485

Surrogate Recoveries		Range
2-Fluorophenol	88.1 %	25 - 121
Phenol-d5	80.3 %	24 - 113
Nitrobenzene-d5	76.8 %	23 - 120
2-Fluorobiphenyl	82.0 %	30 - 115
2,4,6-Tribromophenol	88.2 %	19 - 122
4-Terphenyl-d14	92.7 %	18 - 137

Percent Solids	68 %

Approved by: _____

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519.D
Acq On : 6 Aug 95 2:11 pm
Sample : 82519 30.2g/`ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:14 1995

Vial: 4
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.03	152	700535	40.00 ug/L	0.05
17) Naphthalene-d8	10.56	136	2750215	40.00 ug/L	0.00
29) Acenaphthene-d10	16.01	164	1426255	40.00 ug/L	0.00
45) Phenanthrene-d10	20.63	188	1852695	40.00 ug/L	0.00
56) Chrysene-d12	29.05	240	740749	40.00 ug/L	0.00
63) Perylene-d12	34.60	264	461667	40.00 ug/L	0.00
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.63	112	4244817	5870.94 ug/kg	88.07%
5) Phenol-d5 (SURR)	6.61	99	5317337	5353.77 ug/kg	80.31%
18) Nitrobenzene-d5 (SURROGATE	8.64	82	2049176	2558.50 ug/kg	76.76%
33) 2-Fluorobiphenyl (SURROGAT	14.00	172	4100620	2732.75 ug/kg	81.99%
48) 2,4,6-Tribromophenol (SURR	18.57	330	860281	5877.81 ug/kg	88.18%
58) p-Terphenyl-d14 (SURROGATE	25.84	244	2460029	3089.16 ug/kg	92.68%
Target Compounds					Qvalue
2) Pyridine	2.52	79	2194	3.74 ug/kg	78
3) N-Nitrosodimethylamine	2.54	42	4445	10.08 ug/kg#	1
6) Phenol (CCC)	6.63	94	15114	15.02 ug/kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	6.71	128	5482	6.76 ug/kg#	63
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.91	45	2937	3.05 ug/kg#	52
14) m,p-Cresol	8.44	107	7495	9.09 ug/kg	99
15) n-Nitrosodi-n-propylamine(	8.40	70	1670	3.40 ug/kg#	12
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.64	77	6095	7.48 ug/kg#	24
20) Isophorone	9.28	82	2418	1.55 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	10.60	128	18055	7.93 ug/kg	96
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519.D
Acq On : 6 Aug 95 2:11 pm
Sample : 82519 30.2g/`ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:14 1995

Vial: 4
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	15.50	152	1268	0.59 ug/kg#	55
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.00	154	4070	3.47 ug/kg#	1
39)	2,4-Dinitrophencl (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	17.69	149	8293	5.05 ug/kg	84
43)	Fluorene	17.67	166	1245	0.89 ug/kg#	31
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	18.22	169	1283	1.25 ug/kg#	18
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	20.68	178	19513	11.08 ug/kg	97
53)	Anthracene	20.82	178	5186	2.89 ug/kg#	67
54)	Di-n-butylphthalate	22.83	149	143199	62.91 ug/kg	9
55)	Fluoranthene (CCC)	24.47	202	17349	12.44 ug/kg	92
57)	Pyrene	25.15	202	21360	16.42 ug/kg	95
59)	Benzo(a)anthracene	29.01	228	6087	8.37 ug/kg	78
60)	Chrysene	29.12	228	9463	13.88 ug/kg	89
61)	Bis(2-ethylhexyl)phthalate	29.41	149	113236	162.63 ug/kg	97
62)	Di-n-octylphthalate (CCC)	31.41	149	4951	4.83 ug/kg#	96
64)	Benzo(b)fluoranthene	32.85	252	7018	15.00 ug/kg#	100
65)	Benzo(k)fluoranthene	32.85	252	7018	14.61 ug/kg#	31
66)	Benzo(a)pyrene (CCC)	34.29	252	1106	2.79 ug/kg#	54
67)	Indeno(1,2,3-cd)pyrene	39.76	276	1078	3.55 ug/kg#	37
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	40.57	276	1899	8.14 ug/kg#	42

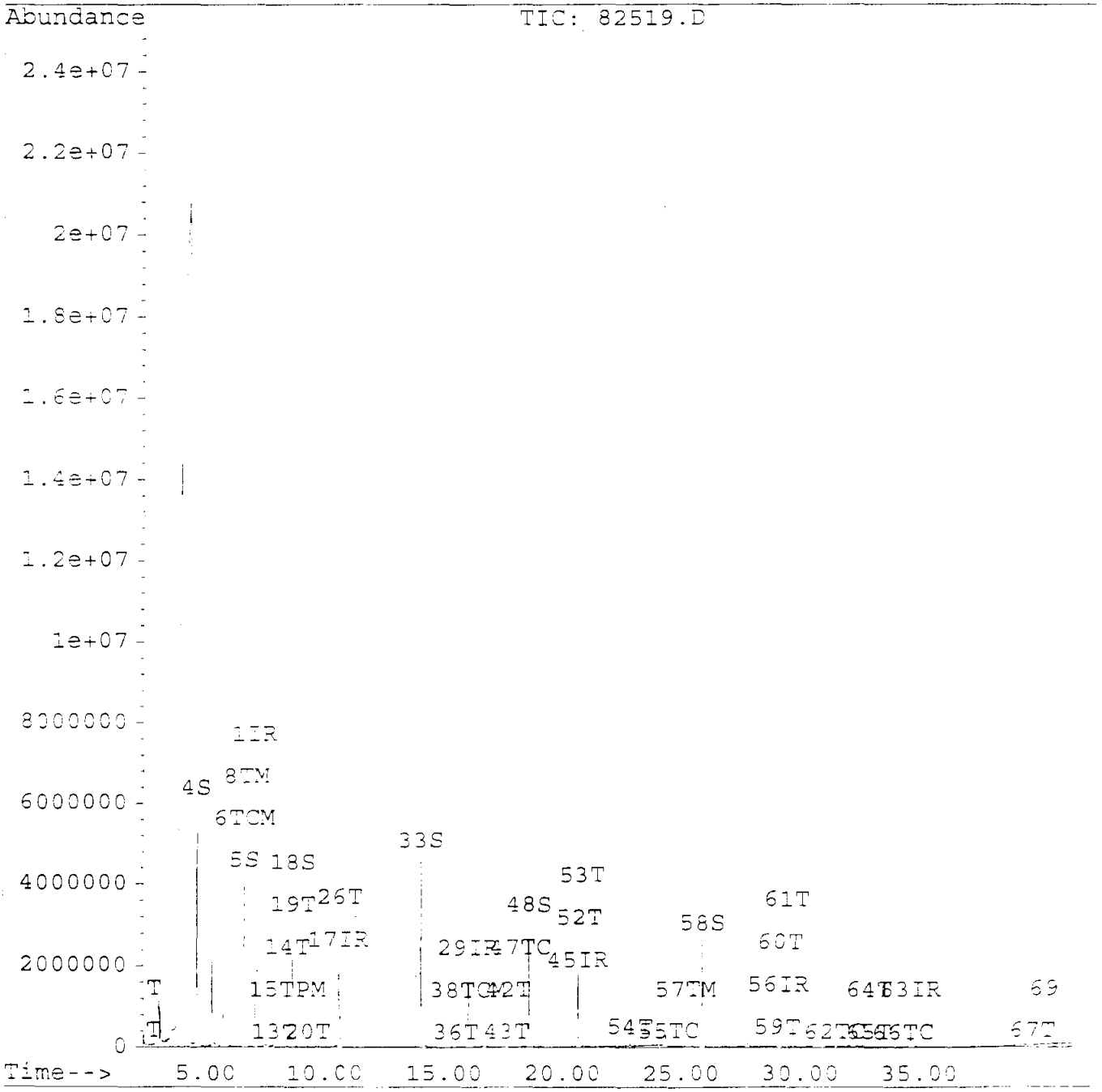
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519.D
Acq On : 6 Aug 95 2:11 pm
Sample : 82519 30.2g/`ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:14 1995

Vial: 4
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 11:42:24 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 18, 1995

Analysis to be run _____

Technician Kim Brock / Dawn Horncastle

Sample Number 82519 950713-FW-IW-SL00065

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.00g	3.40g	1.60	32%

Oven Temperature 105°

Time in 4:30 PM

Time out 10:30 AM

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

(68)

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82519.D
Acq On : 4 Aug 95 3:18 am
Sample : 82519 30.2g/1ml iul injected
Misc : Sloss Industries soils
Quant Time: Aug 4 4:02 1995

Vial: 17
Operator: LAW
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	1451721	40.00 ug/L	0.03
5) Naphthalene-d8	10.56	136	5346195	40.00 ug/L	0.00
10) Acenaphthene-d10	16.00	164	2775712	40.00 ug/L	-0.02
18) Chrysene-d12	29.04	240	2804859	40.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol(SURROGATE)	4.59	112	8228768	5326.91 ug/kg	79.90%
3) Phenol-d5(SURROGATE)	6.55	99	10634454	5629.18 ug/kg	84.44%
6) Nitrobenzene-d5(SURROGATE)	8.64	82	4103332	2903.52 ug/kg	87.11%
11) 2-Fluorobiphenyl(SURROGATE	14.00	172	7640741	2634.53 ug/kg	79.04%
17) 2,4,6-Tribromophenol(SURRO	18.55	330	1693663	4630.52 ug/kg	69.46%
19) p-Terphenyl-d14(SURROGATE)	25.83	244	6669779	2844.90 ug/kg	85.35%
Target Compounds					Qvalue
4) Benzyl Alcohol	7.65	108	87	0.08 ug/kg#	1
7) 2,6-Dichlorophenol	10.95	162	96	0.07 ug/kg#	17
8) 4-Chloroaniline	11.04	127	435	0.21 ug/kg	76
9) 2-Methylnaphthalene	12.68	142	8519	2.76 ug/kg	83
12) 2-Nitroaniline	14.80	65	437	0.65 ug/kg#	12
13) 3-Nitroaniline	16.15	138	311	0.38 ug/kg#	77
14) Dibenzofuran	16.59	168	4758	1.34 ug/kg	80
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected	
16) 4-Nitroaniline	18.06	138	90	0.12 ug/kg#	12
20) 3,3-Dimethylbenzidine	27.45	212	123	0.09 ug/kg#	1

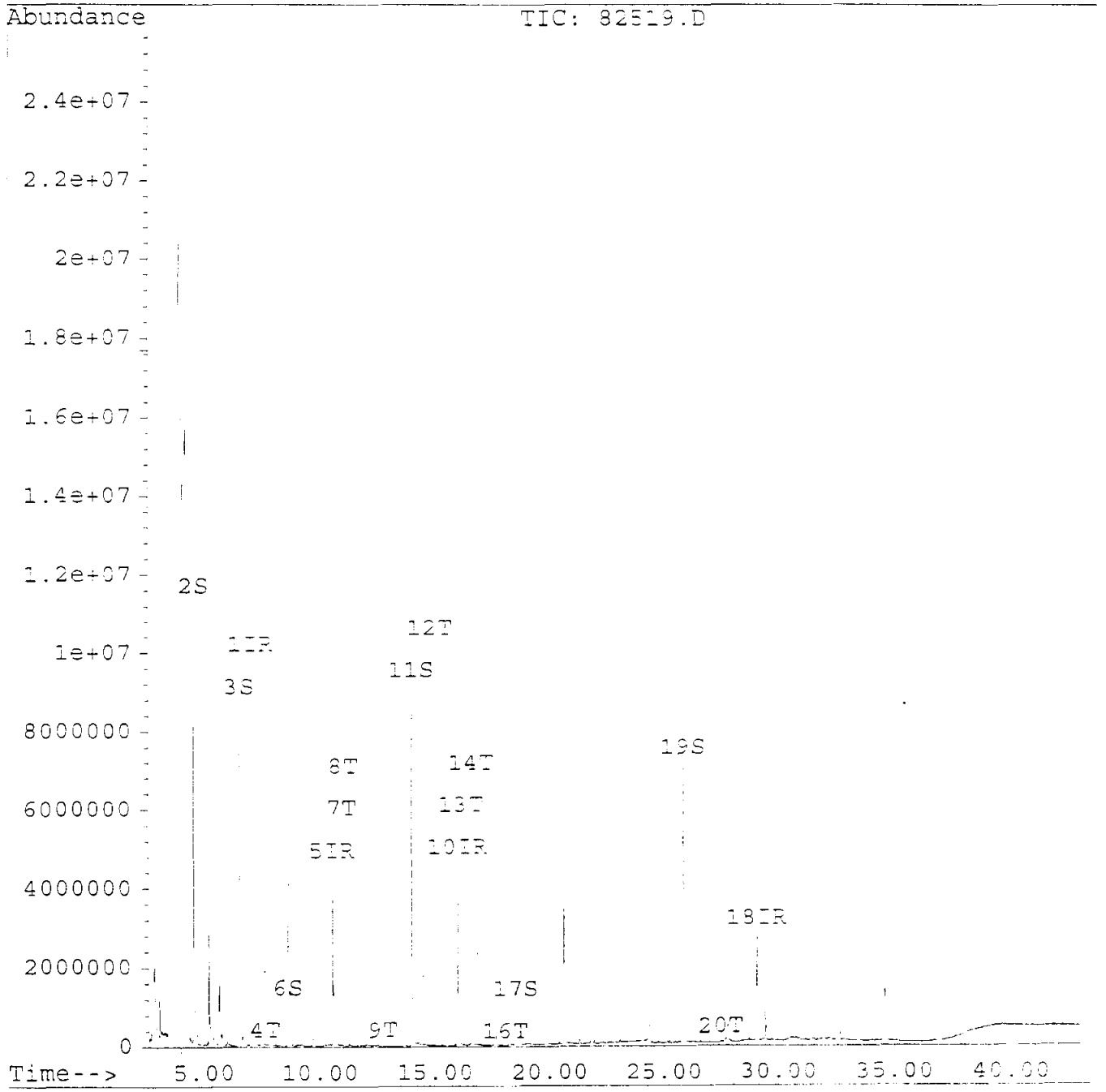
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0803\82519.D
Acq On : 4 Aug 95 3:18 am
Sample : 82519 30.2g/1ml iul injected
Misc : Sloss Industries soils
Quant Time: Aug 4 4:02 1995

Vial: 17
Operator: LAW
Inst : 5971 -
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS03.M
Title : EPA METHOD
Last Update : Wed Nov 15 09:40:37 1995
Response via : Multiple Level Calibration



METHOD 8270 SPIKE/SPIKE DUPLICATE WORKSHEET 16-Nov-95

Date: 11/15/95
Control Number: 82519

BASE/NEUTRAL SPIKE AMOUNT: 1666.5
ACID SPIKE AMOUNT: 3333

	Amount	SAMPLE RESULT	SPIKE RESULT	DUPLICATE RESULT
1	Pyrene	16.42	964.79	1123.30
2	Phenol	15.02	2267.67	2888.96
3	2-Chlorophenol	6.76	2121.83	2772.09
4	1,4-Dichlorobenzene	0.00	938.89	1221.46
5	N-Nitrosodipropylamine	3.40	1221.61	1525.20
6	1,2,4-Trichlorobenzene	0.00	1032.37	1359.83
7	4-Chloro-3-methylphenol	0.00	2243.29	2764.43
8	2,4-Dinitrotoluene	0.00	1181.87	1444.88
9	Acenaphthene	3.47	1004.25	1294.36
10	4-Nitrophenol	0.00	2308.69	2822.88
11	Pentachlorophenol	0.00	1700.05	2416.78

B/N SPIKE AMOUNT	1666.5
ACID SPIKE AMOUNT	3333

		SPIKE #1 RECOVERY	SPIKE #2 RECOVERY	ACCEPTABLE RANGE	RPD	RPD MAX
1	Pyrene	56.9%	66.4%	33.0% - 139.0%	15.4	50
2	Phenol	67.6%	86.2%	37.0% - 112.0%	24.2	36
3	2-Chlorophenol	63.5%	83.0%	45.0% - 105.0%	26.6	31
4	1,4-Dichlorobenzene	56.3%	73.3%	46.0% - 112.0%	26.2	28
5	N-Nitrosodipropylamine	73.1%	91.3%	27.0% - 140.0%	22.2	35
6	1,2,4-Trichlorobenzene	61.9%	81.6%	48.0% - 107.0%	27.4	28
7	4-Chloro-3-methylphenol	67.3%	82.9%	38.0% - 112.0%	20.8	23
8	2,4-Dinitrotoluene	70.9%	86.7%	35.0% 111.0%	20.0	29
9	Acenaphthene	60.1%	77.5%	51.0% - 108.0%	25.3	26
10	4-Nitrophenol	69.3%	84.7%	10.0% - 130.0%	20.0	34
11	Pentachlorophenol	51.0%	72.5%	10.0% - 107.0%	34.8	39

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950713-FW-IW-SL0006S
Control No.: 82519LFM
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 2:58PM
Units - ug/Kg

Compounds		Results	Detection Limit
Acenaphthene		1476	485
Acenaphthylene	<	485	485
Anthracene	<	485	485
Benzo(a)anthracene	<	485	485
Benzo(b)fluoranthene	<	485	485
Benzo(k)fluoranthene	<	485	485
Benzo(g,h,i)perylene	<	485	485
Benzo(a)pyrene	<	485	485
Benzyl alcohol	<	485	485
bis(2-Chloroethoxy)methane	<	485	485
bis(2-Chloroethyl)ether	<	485	485
bis(2-Chloroisopropyl)ether	<	485	485
bis(2-Ethylhexyl)phthalate	<	485	485
4-Bromophenyl phenyl ether	<	485	485
p-Chloroaniline	<	971	971
4-Chloro-3-methylphenol		3299	485
2-Chloronaphthalene	<	485	485
2-Chlorophenol		3121	485
4-Chlorophenylphenyl ether	<	485	485
Chrysene	<	485	485
Dibenz(a,h)anthracene	<	485	485
Dibenzofuran	<	485	485
Di-n-butylphthalate	<	485	485
1,2-Dichlorobenzene	<	485	485
1,3-Dichlorobenzene	<	485	485
1,4-Dichlorobenzene		1381	485
2,4-Dichlorophenol	<	485	485
2,6-Dichlorophenol	<	485	485
Diethylphthalate	<	485	485
3,3'-Dimethylbenzidine	<	2500	2500
2,4-Dimethylphenol	<	485	485
Dimethylphthalate	<	485	485

2,4-Dinitrophenol	<	2500	2500
2,4-Dinitrotoluene		1738	485
2,6-Dinitrotoluene	<	485	485
Di-n-octylphthalate	<	485	485
Fluoranthene	<	485	485
Fluorene	<	485	485
Hexachlorobenzene	<	485	485
Hexachlorobutadiene	<	485	485
Hexachlorocyclopentadiene	<	485	485
Hexachloroethane	<	485	485
Indeno(1,2,3-cd)pyrene	<	485	485
Isophorone	<	485	485
2-Methyl-4,6-dinitrophenol	<	2500	2500
2-Methylnaphthalene	<	485	485
2-Methylphenol (o-cresol)	<	485	485
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	485	485
Naphthalene	<	485	485
2-Nitroaniline	<	2500	2500
3-Nitroaniline	<	2500	2500
4-Nitroaniline	<	2500	2500
Nitrobenzene	<	485	485
2-Nitrophenol	<	485	485
4-Nitrophenol		3396	2500
N-Nitrosodimethylamine	<	485	485
n-Nitrosodi-n-propylamine		1797	485
Pentachlorophenol		2500	2500
Phenanthrene	<	485	485
Phenol		3335	485
Pyrene		1419	485
Pyridine	<	485	485
2,3,4,6-Tetrachlorophenol	<	2500	2500
1,2,4-Trichlorobenzene		1518	485
2,4,5-Trichlorophenol	<	2500	2500
2,4,6-Trichlorophenol	<	485	485

Surrogate Recoveries		Range
2-Fluorophenol	79.7 %	25 - 121
Phenol-d5	73.6 %	24 - 113
Nitrobenzene-d5	66.1 %	23 - 120
2-Fluorobiphenyl	71.2 %	30 - 115
2,4,6-Tribromophenol	79.0 %	19 - 122
4-Terphenyl-d14	83.9 %	18 - 137

Percent Solids 68 %

Approved by: _____

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519LFM.D Vial: 5
Acq On : 6 Aug 95 2:58 pm Operator: JFS
Sample : 82519LFM 30.2g/1ml 1ul injected Inst : 5971 - Jr
Misc : Sloss Industries soils Multiplr: 33.10
Quant Time: Aug 9 17:44 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	702660	40.00 ug/L	0.04
17) Naphthalene-d8	10.57	136	2909550	40.00 ug/L	0.01
29) Acenaphthene-d10	16.01	164	1531112	40.00 ug/L	0.01
45) Phenanthrene-d10	20.64	188	2010292	40.00 ug/L	0.00
56) Chrysene-d12	29.06	240	809997	40.00 ug/L	0.01
63) Perylene-d12	34.60	264	487005	40.00 ug/L	0.01
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.60	112	3850527	5309.50 ug/kg	79.65%
5) Phenol-d5 (SURR)	6.62	99	4885531	4904.13 ug/kg	73.57%
18) Nitrobenzene-d5 (SURROGATE	8.64	82	1865881	2202.07 ug/kg	66.07%
33) 2-Fluorobiphenyl (SURROGAT	14.00	172	3820499	2371.71 ug/kg	71.16%
48) 2,4,6-Tribromophenol (SURR	18.57	330	836547	5267.57 ug/kg	79.02%
58) p-Terphenyl-d14 (SURROGATE	25.84	244	2434201	2795.40 ug/kg	83.87%
Target Compounds					Qvalu
2) Pyridine	2.53	79	2704	4.59 ug/kg	9
3) N-Nitrosodimethylamine	2.55	42	3628	8.20 ug/kg#	1
6) Phenol (CCC)	6.65	94	2288535	2267.67 ug/kg	93
7) Bis(2-chloroethyl)ether	6.71	93	29460	37.98 ug/kg#	1
8) 2-Chlorophenol	6.71	128	1725050	2121.83 ug/kg	98
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	7.06	146	850576	938.89 ug/kg	100
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.88	45	1342	1.39 ug/kg#	52
14) m,p-Cresol	8.45	107	7737	9.35 ug/kg	98
15) n-Nitrosodi-n-propylamine(	8.31	70	601122	1221.61 ug/kg	96
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.64	77	5570	6.46 ug/kg#	24
20) Isophorone	9.30	82	6248	3.78 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	10.43	180	692816	1032.37 ug/kg	100
26) Naphthalene	10.60	128	21680	9.00 ug/kg	97
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	12.67	107	1535901	2243.29 ug/kg#	26
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519LFM.D Vial: 5
Acq On : 6 Aug 95 2:58 pm Operator: JFS
Sample : 82519LFM 30.2g/1ml 1ul injected Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 33.10
Quant Time: Aug 9 17:44 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	15.51	152	2679	1.17 ug/kg#	55
37) 2,6-Dinitrotoluene	0.00	165		Not Detected	
38) Acenaphthene (CCC)	16.11	154	1265429	1004.25 ug/kg	96
39) 2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40) 4-Nitrophenol (SPCC)	17.01	139	647228	2308.69 ug/kg	98
41) 2,4-Dinitrotoluene	16.86	165	590015	1181.87 ug/kg	98
42) Diethylphthalate	17.71	149	10245	5.81 ug/kg	79
43) Fluorene	17.68	166	2137	1.42 ug/kg#	1
44) 4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46) 4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47) N-Nitrosodiphenylamine (CC	0.00	169		Not Detected	
49) 4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50) Hexachlorobenzene	0.00	284		Not Detected	
51) Pentachlorophenol (CCC)	20.34	266	269787	1700.05 ug/kg	95
52) Phenanthrene	20.70	178	31510	16.49 ug/kg	97
53) Anthracene	20.82	178	8085	4.15 ug/kg	94
54) Di-n-butylphthalate	22.83	149	218936	88.64 ug/kg	99
55) Fluoranthene (CCC)	24.45	202	27997	18.50 ug/kg	88
57) Pyrene	25.17	202	1372769	964.79 ug/kg	99
59) Benzo(a)anthracene	28.98	228	8351	10.50 ug/kg	78
60) Chrysene	29.12	228	14696	19.71 ug/kg	79
61) Bis(2-ethylhexyl)phthalate	29.41	149	109698	144.08 ug/kg	98
62) Di-n-octylphthalate (CCC)	31.42	149	20526	13.32 ug/kg#	96
64) Benzo(b)fluoranthene	32.84	252	7758	15.72 ug/kg#	100
65) Benzo(k)fluoranthene	32.84	252	7758	15.31 ug/kg#	31
66) Benzo(a)pyrene (CCC)	34.27	252	1178	2.82 ug/kg#	54
67) Indeno(1,2,3-cd)pyrene	39.78	276	1978	6.18 ug/kg#	37
68) Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69) Benzo(g,h,i)perylene	40.53	276	1699	6.90 ug/kg#	42

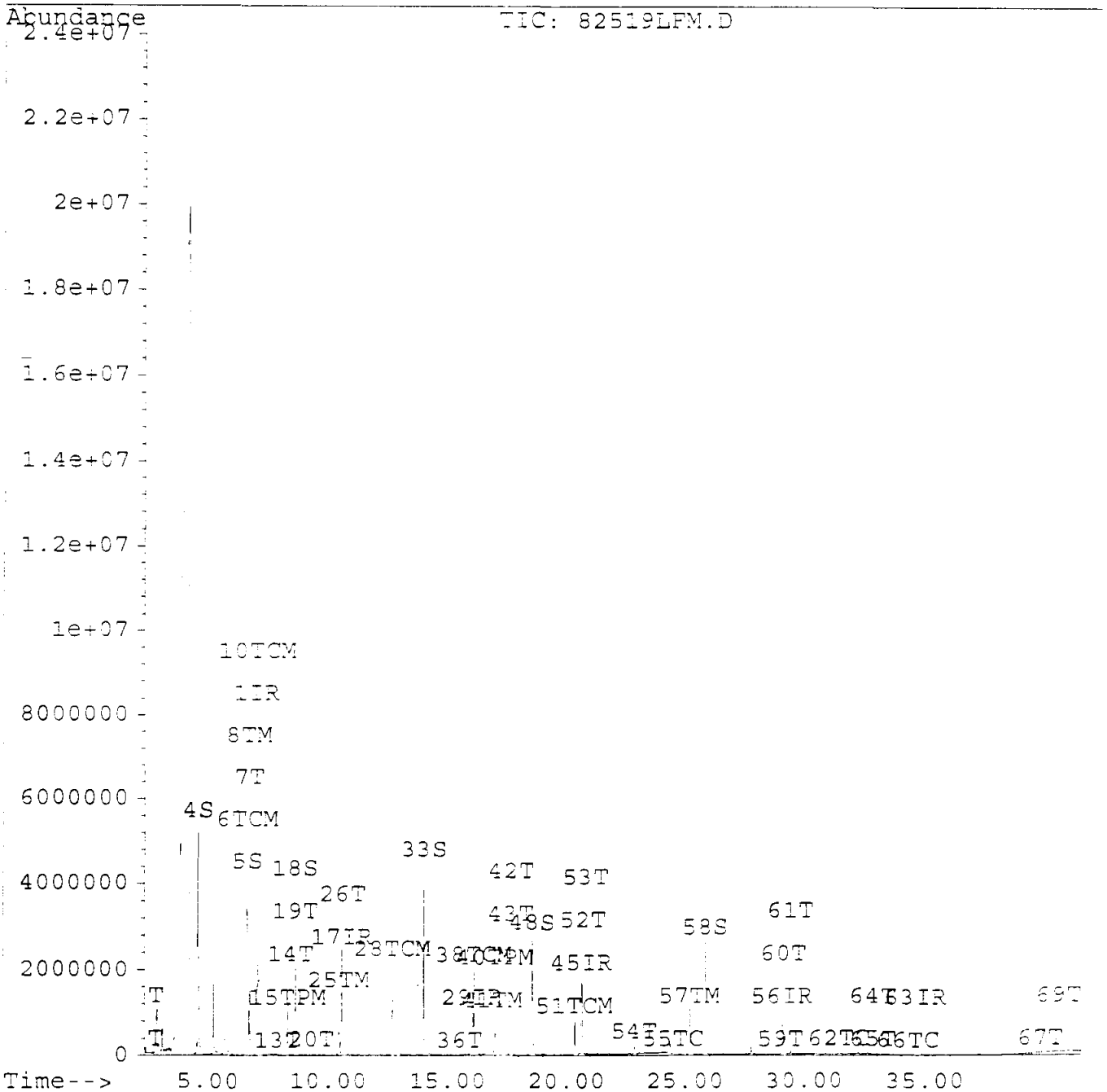
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519LFM.D
Acq On : 6 Aug 95 2:58 pm
Sample : 82519LFM 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:44 1995

Vial: 5
Operator: JFS
Inst : 5971 -
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration



001500

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950713-FW-IW-SL0006S
Control No.: 82519DFM
Prep Date: 7/18/95
Sample Date: 7/13/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 6-Aug-95 3:46PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene		1903	485
Acenaphthylene	<	485	485
Anthracene	<	485	485
Benzo(a)anthracene	<	485	485
Benzo(b)fluoranthene	<	485	485
Benzo(k)fluoranthene	<	485	485
Benzo(g,h,i)perylene	<	485	485
Benzo(a)pyrene	<	485	485
Benzyl alcohol	<	485	485
bis(2-Chloroethoxy)methane	<	485	485
bis(2-Chloroethyl)ether	<	485	485
bis(2-Chloroisopropyl)ether	<	485	485
bis(2-Ethylhexyl)phthalate		524	485
4-Bromophenyl phenyl ether	<	485	485
p-Chloroaniline	<	971	971
4-Chloro-3-methylphenol		4065	485
2-Chloronaphthalene	<	485	485
2-Chlorophenol		4076	485
4-Chlorophenylphenyl ether	<	485	485
Chrysene	<	485	485
Dibenz(a,h)anthracene	<	485	485
Dibenzofuran	<	485	485
Di-n-butylphthalate	<	485	485
1,2-Dichlorobenzene	<	485	485
1,3-Dichlorobenzene	<	485	485
1,4-Dichlorobenzene		1796	485
2,4-Dichlorophenol	<	485	485
2,6-Dichlorophenol	<	485	485
Diethylphthalate	<	485	485
3,3'-Dimethylbenzidine	<	2500	2500
2,4-Dimethylphenol	<	485	485
Dimethylphthalate	<	485	485

2,4-Dinitrophenol	<	2500	2500
2,4-Dinitrotoluene		2125	485
2,6-Dinitrotoluene	<	485	485
Di-n-octylphthalate	<	485	485
Fluoranthene	<	485	485
Fluorene	<	485	485
Hexachlorobenzene	<	485	485
Hexachlorobutadiene	<	485	485
Hexachlorocyclopentadiene	<	485	485
Hexachloroethane	<	485	485
Indeno(1,2,3-cd)pyrene	<	485	485
Isophorone	<	485	485
2-Methyl-4,6-dinitrophenol	<	2500	2500
2-Methylnaphthalene	<	485	485
2-Methylphenol (o-cresol)	<	485	485
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	485	485
Naphthalene	<	485	485
2-Nitroaniline	<	2500	2500
3-Nitroaniline	<	2500	2500
4-Nitroaniline	<	2500	2500
Nitrobenzene	<	485	485
2-Nitrophenol	<	485	485
4-Nitrophenol		4151	2500
N-Nitrosodimethylamine	<	485	485
n-Nitrosodi-n-propylamine		2243	485
Pentachlorophenol		3554	2500
Phenanthrene	<	485	485
Phenol		4249	485
Pyrene		1651	485
Pyridine	<	485	485
2,3,4,6-Tetrachlorophenol	<	2500	2500
1,2,4-Trichlorobenzene		2000	485
2,4,5-Trichlorophenol	<	2500	2500
2,4,6-Trichlorophenol	<	485	485

Surrogate Recoveries		Range
2-Fluorophenol	103.6 %	25 - 121
Phenol-d5	92.2 %	24 - 113
Nitrobenzene-d5	84.7 %	23 - 120
2-Fluorobiphenyl	89.5 %	30 - 115
2,4,6-Tribromophenol	101.5 %	19 - 122
4-Terphenyl-d14	99.5 %	18 - 137

Percent Solids	68 %

Approved by: _____

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519DFM.D Vial: 6
Acq On : 6 Aug 95 3:46 pm Operator: JFS
Sample : 82519DFM 30.2g/1ml 1ul injected Inst : 5971 - In
Misc : Sloss Industries soils Multiplr: 33.10
Quant Time: Aug 9 17:33 1995

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.03	152	694339	40.00 ug/L	0.05
17) Naphthalene-d8	10.57	136	2839717	40.00 ug/L	0.02
29) Acenaphthene-d10	16.01	164	1508196	40.00 ug/L	0.00
45) Phenanthrene-d10	20.64	188	1907413	40.00 ug/L	0.00
56) Chrysene-d12	29.06	240	764170	40.00 ug/L	0.01
63) Perylene-d12	34.62	264	485590	40.00 ug/L	0.03
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.62	112	4948197	6904.84 ug/kg	103.58%
5) Phenol-d5 (SURR)	6.64	99	6049705	6145.52 ug/kg	92.19%
18) Nitrobenzene-d5 (SURROGATE	8.65	82	2333507	2821.67 ug/kg	84.66%
33) 2-Fluorobiphenyl (SURROGAT	14.01	172	4735441	2984.36 ug/kg	89.54%
48) 2,4,6-Tribromophenol (SURR	18.58	330	1019547	6766.15 ug/kg	101.50%
58) p-Terphenyl-d14 (SURROGATE	25.85	244	2724714	3316.67 ug/kg	99.51%
Target Compounds					Qvalue
2) Pyridine	2.52	79	3276	5.63 ug/kg	96
3) N-Nitrosodimethylamine	2.55	42	6113	13.98 ug/kg#	1
6) Phenol (CCC)	6.67	94	2881012	2838.96 ug/kg	93
7) Bis(2-chloroethyl)ether	6.72	93	40692	53.09 ug/kg#	1
8) 2-Chlorophenol	6.73	128	2227021	2772.09 ug/kg	97
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	7.07	146	1093458	1221.46 ug/kg	100
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	7.87	45	5340	5.59 ug/kg#	52
14) m,p-Cresol	8.45	107	9285	11.36 ug/kg	84
15) n-Nitrosodi-n-propylamine(	8.32	70	741624	1525.20 ug/kg	97
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	8.65	77	8242	9.80 ug/kg#	24
20) Isophorone	9.30	82	1776	1.10 ug/kg#	56
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	10.44	180	890666	1359.83 ug/kg	100
26) Naphthalene	10.61	128	21508	9.14 ug/kg	98
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	12.68	107	1847283	2764.43 ug/kg#	26
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519DFM.D
Acq On : 6 Aug 95 3:46 pm
Sample : 82519DFM 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:33 1995

Vial: 6
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	15.52	152	2726	1.21 ug/kg#	55
37) 2,6-Dinitrotoluene	15.69	165	1412	3.70 ug/kg#	27
38) Acenaphthene (CCC)	16.11	154	1606578	1294.36 ug/kg	98
39) 2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40) 4-Nitrophenol (SPCC)	17.03	139	780814	2822.88 ug/kg	99
41) 2,4-Dinitrotoluene	16.87	165	710520	1444.88 ug/kg	97
42) Diethylphthalate	17.71	149	26014	14.99 ug/kg	91
43) Fluorene	17.67	166	2536	1.71 ug/kg	96
44) 4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46) 4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47) N-Nitrosodiphenylamine (CC	18.22	169	2243	2.12 ug/kg	90
49) 4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50) Hexachlorobenzene	0.00	284		Not Detected	
51) Pentachlorophenol (CCC)	20.35	266	363900	2416.78 ug/kg	98
52) Phenanthrene	20.70	178	25593	14.12 ug/kg	100
53) Anthracene	20.82	178	8076	4.37 ug/kg	97
54) Di-n-butylphthalate	22.84	149	318975	136.11 ug/kg	9
55) Fluoranthene (CCC)	24.47	202	26020	18.12 ug/kg	81
57) Pyrene	25.18	202	1507876	1123.30 ug/kg	100
59) Benzo(a)anthracene	29.00	228	6416	8.55 ug/kg	81
60) Chrysene	29.12	228	12400	17.62 ug/kg	97
61) Bis(2-ethylhexyl)phthalate	29.42	149	255759	356.06 ug/kg	99
62) Di-n-octylphthalate (CCC)	31.42	149	49494	46.82 ug/kg#	96
64) Benzo(b)fluoranthene	32.85	252	6767	13.75 ug/kg#	100
65) Benzo(k)fluoranthene	32.92	252	6796	13.45 ug/kg#	31
66) Benzo(a)pyrene (CCC)	34.30	252	1848	4.43 ug/kg#	54
67) Indeno(1,2,3-cd)pyrene	39.76	276	2356	7.38 ug/kg#	37
68) Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69) Benzo(g,h,i)perylene	40.54	276	2049	8.35 ug/kg#	42

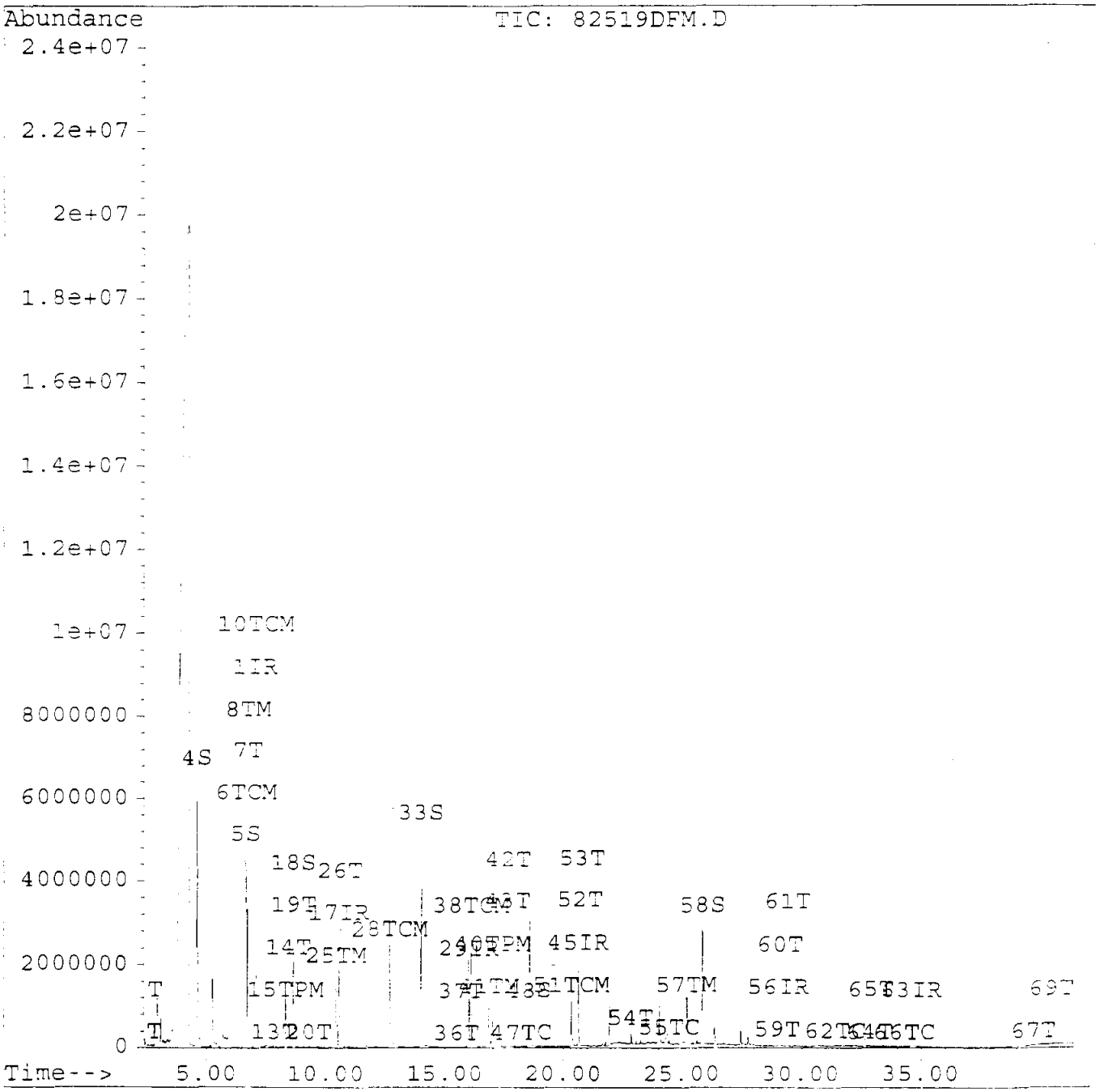
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0806\82519DFM.D
Acq On : 6 Aug 95 3:46 pm
Sample : 82519DFM 30.2g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Aug 9 17:33 1995

Vial: 6
Operator: JFS
Inst : 5971 - In
Multiplr: 33.10

Method : C:\HPCHEM\1\METHODS\SLOSS06.M
Title : EPA METHOD
Last Update : Wed Nov 15 13:09:09 1995
Response via : Multiple Level Calibration



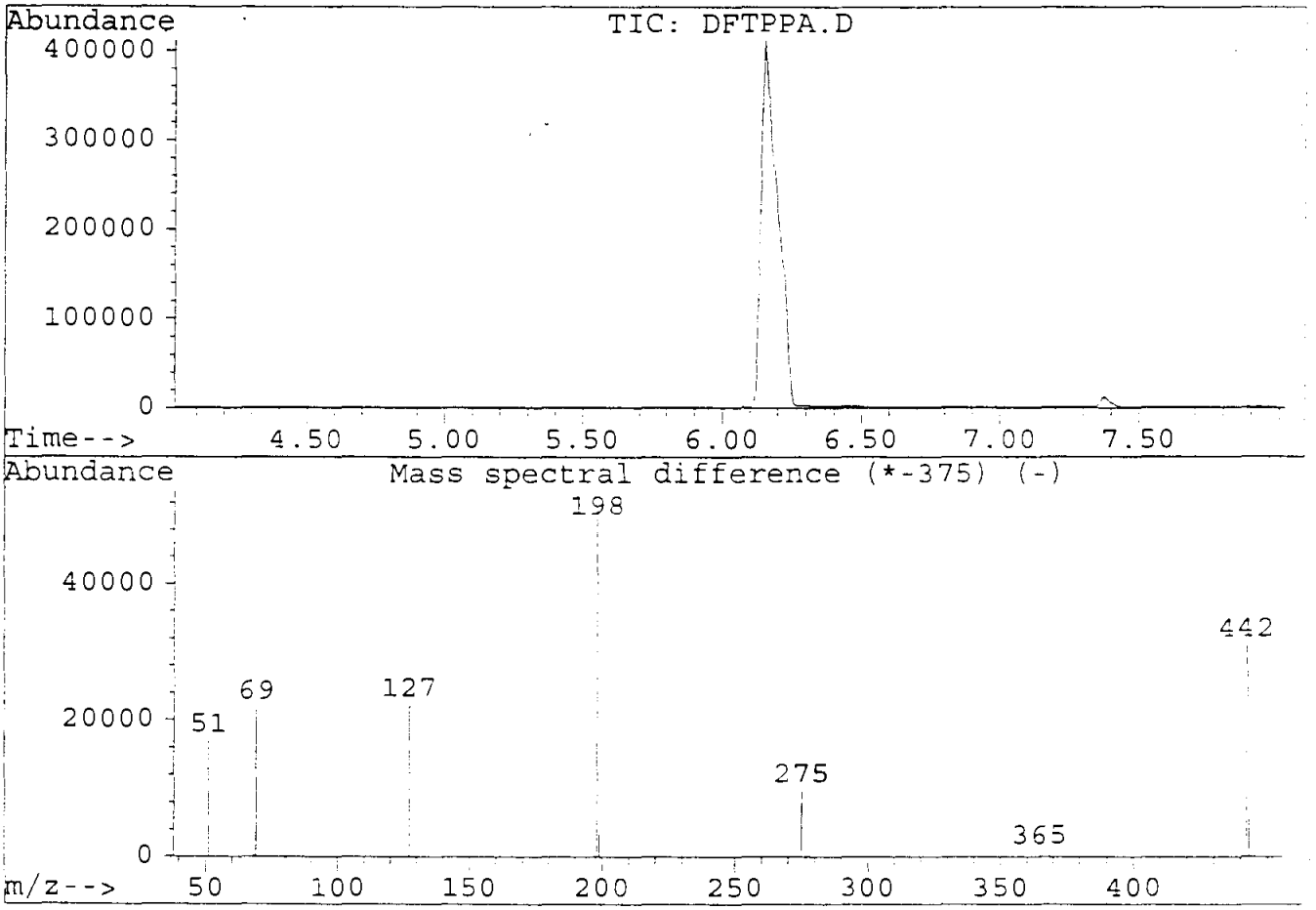
001505

EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0814\DFTPPA.D
Acq On : 14 Aug 95 9:12 am
Sample : DFTPPA
Misc :

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



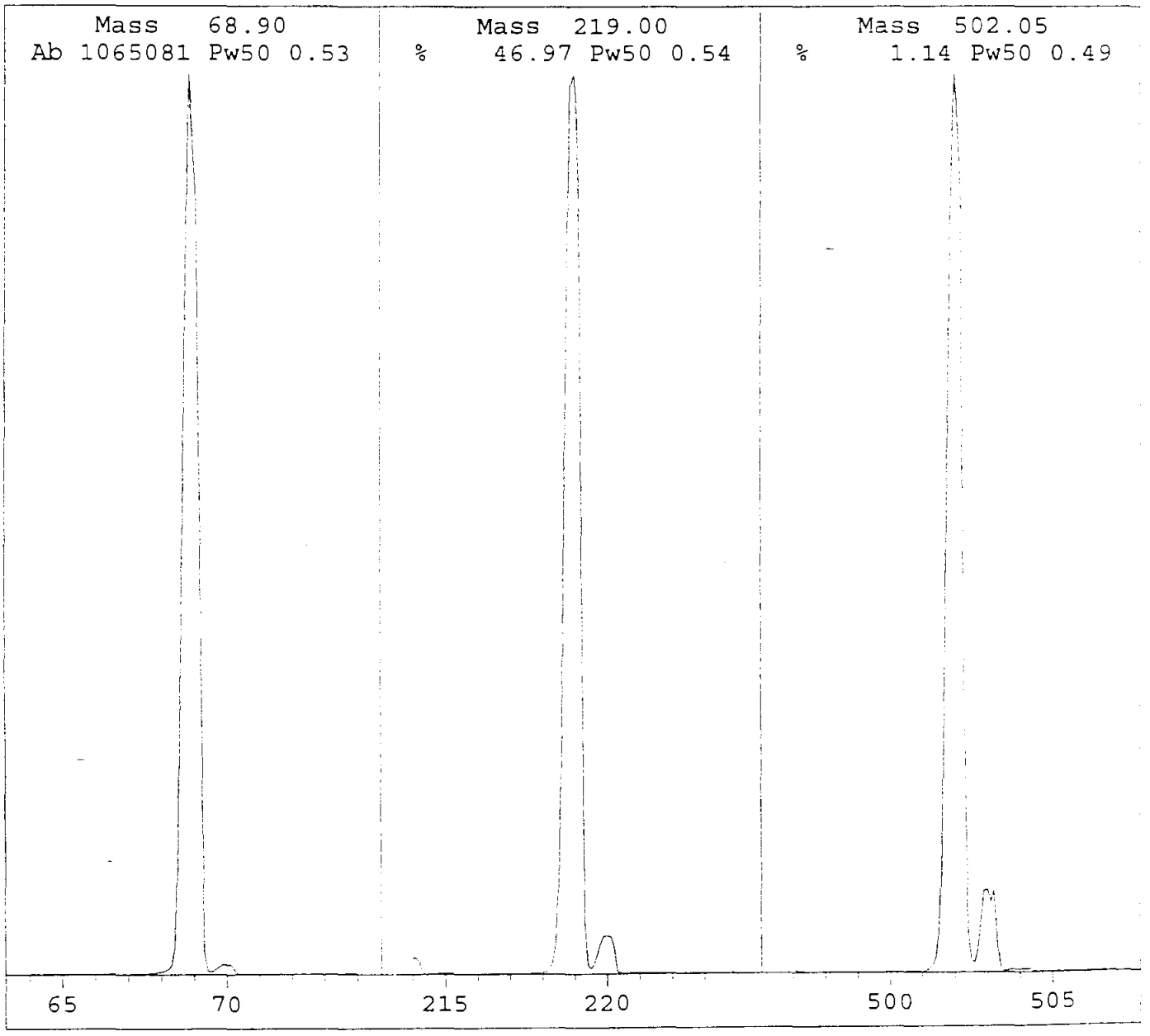
Peak Apex is scan: 375

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.2	16999	PASS
68	69	0	2	1.1	241	PASS
69	198	0	100	42.5	21792	PASS
70	69	0	2	0.3	74	PASS
127	198	40	60	43.3	22213	PASS
197	198	0	1	0.3	148	PASS
198	198	100	100	100.0	51248	PASS
199	198	5	9	6.5	3352	PASS
275	198	10	30	18.9	9702	PASS
365	198	1	100	1.5	767	PASS
441	443	0	100	75.4	4219	PASS
442	198	40	100	60.4	30957	PASS
443	442	17	23	18.1	5593	PASS

Instrument: 5971- GC/MS1
Mon Aug 14 09:09:35 1995 C:\HPCHEM\1\5971\DFTPP.U

EMVolts	1565	AmuGain	499
Xray	47.0	AmuOffs	73
Emission	ON	Wid219	-0.057
MS Temp	172	TTI	OFF
Vacuum	23	DC Pol	NEG
Samples	16	Repeller	17.62
Averages	1	IonFocus	34.0
StepSize	0.10	EntLens	0.00
MassGain	167	EntOffs	VAR
MassOffs	2	Filament	2

PFTBA OPEN

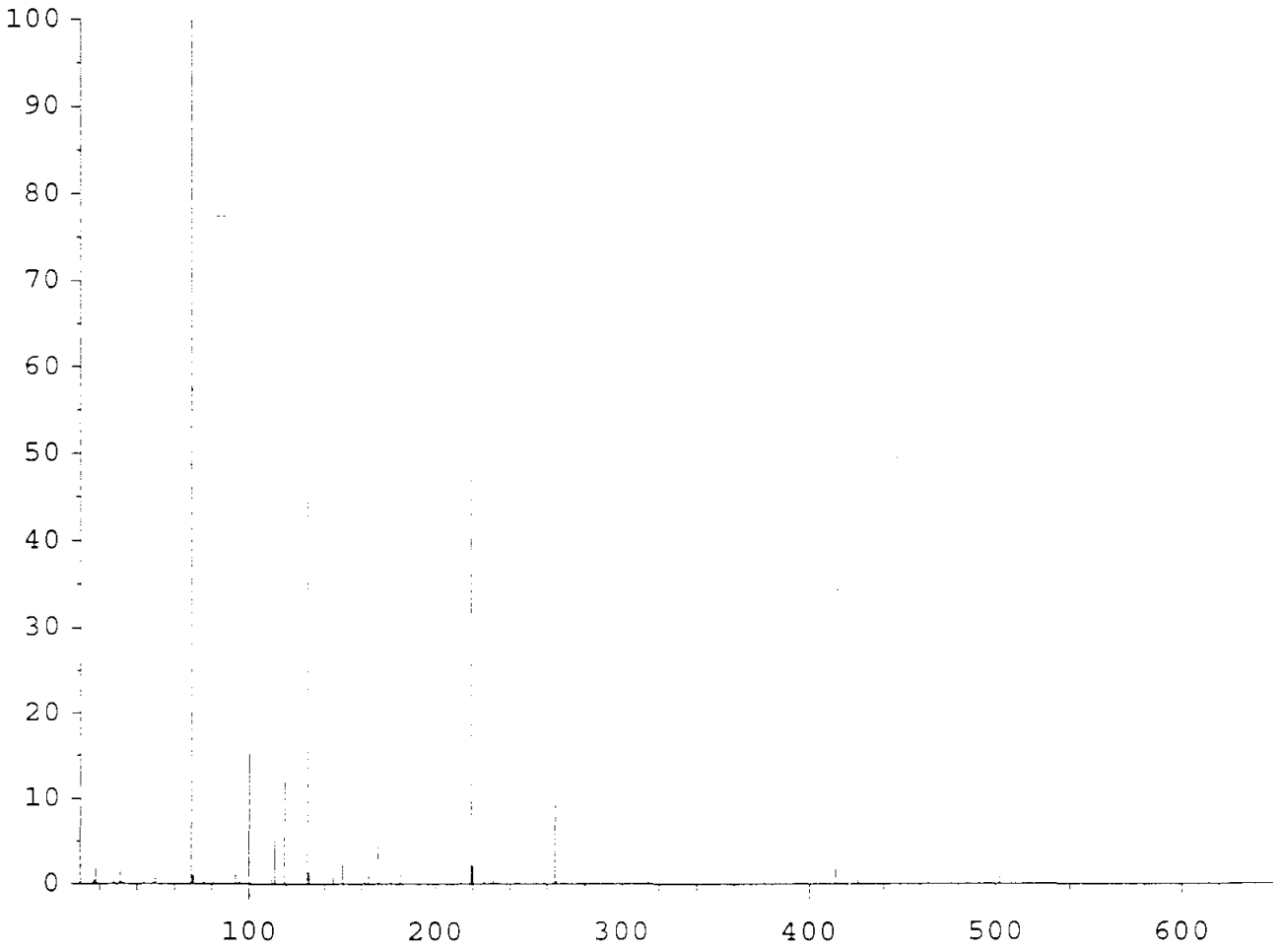


Instrument: 5971- GC/MS1
Mon Aug 14 09:09:52 1995 C:\HPCHEM\1\5971\DFTPP.U

EMVolts	1565	AmuGain	499
Xray	47.0	AmuOffs	73
Emission	ON	Wid219	-0.057
MS Temp	171	TTI	OFF
Vacuum	23	DC Pol	NEG
Samples	16	Repeller	17.62
Averages	1	IonFocus	34.0
StepSize	0.10	EntLens	0.00
MassGain	167	EntOffs	VAR
MassOffs	2	Filament	2

PFTBA OPEN

Scan: 10.00 - 650.00 Samples: 16 Thresh: 150 Step: 0.10
119 peaks Base: 69.05 Abundance: 819008



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	819008	100.00	70.05	9005	1.10
219.00	412736	50.39	220.00	18128	4.39
502.05	9206	1.12	503.05	941	10.22

Response Factor Report 5971- GC/

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Initial Calibration

Calibration Files
1 =LEVEL1.D 2 =LEVEL2.D 3 =LEVEL3.D
4 =LEVEL4.D 5 =LEVEL5.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	IR	1,4-Dichlorobenzene-d	ISTD						
2)	T	Pyridine	1.439	1.460	1.440	1.444	1.438	1.4	0.63
3)	T	N-Nitrosodimethylamin	0.490	0.513	0.522	0.515	0.515	0.5	2.45
4)	S	2-Fluorophenol (SURR)	1.577	1.579	1.584	1.573	1.568	1.6	0.40
5)	S	Phenol-d5 (SURR)	1.934	1.925	1.909	1.862	1.818	1.9	2.58
6)	TCM	Phenol (CCC)	2.063	2.014	2.011	1.906	1.848	2.0	4.49
7)	T	Bis(2-chloroethyl)eth	1.754	1.721	1.688	1.654	1.598	1.7	3.56
8)	TM	2-Chlorophenol	1.749	1.720	1.727	1.639	1.593	1.7	3.95
9)	T	1,3-Dichlorobenzene	1.375	1.377	1.409	1.379	1.340	1.4	1.78
10)	TCM	1,4-Dichlorobenzene (	1.834	1.816	1.784	1.752	1.711	1.8	2.77
11)	T	1,2-Dichlorobenzene	1.357	1.362	1.375	1.349	1.332	1.4	1.18
12)	T	o-Cresol	1.581	1.568	1.537	1.481	1.442	1.5	3.86
13)	T	Bis(2-chloroisopropyl	1.774	1.806	1.638	1.709	1.628	1.7	4.64
14)	T	m,p-Cresol	1.729	1.712	1.630	1.526	1.410	1.6	8.36
15)	TPM	n-Nitrosodi-n-propyla	0.935	0.891	0.842	0.813	0.757	0.8	8.14
16)	T	Hexachloroethane	0.521	0.538	0.532	0.504	0.467	0.5	6.35
17)	IR	Naphthalene-d8	ISTD						
18)	S	Nitrobenzene-d5 (SURR	0.342	0.350	0.343	0.345	0.338	0.3	1.29
19)	T	Nitrobenzene	0.355	0.360	0.340	0.348	0.335	0.3	2.96
20)	T	Isophorone	0.757	0.772	0.748	0.791	0.785	0.8	2.37
21)	TC	2-Nitrophenol (CCC)	0.225	0.239	0.241	0.242	0.239	0.2	2.90
22)	T	2,4-Dimethylphenol	0.365	0.357	0.351	0.339	0.327	0.3	4.23
23)	T	Bis(2-chloroethoxy)me	0.501	0.498	0.486	0.486	0.470	0.5	2.55
24)	TC	2,4-Dichlorophenol (C	0.287	0.288	0.290	0.280	0.274	0.3	2.33
25)	TM	1,2,4-Trichlorobenzen	0.289	0.296	0.293	0.294	0.291	0.3	0.83
26)	T	Naphthalene	1.096	1.083	1.023	1.021	0.962	1.0	5.23
27)	TC	Hexachlorobutadiene (	0.153	0.148	0.142	0.145	0.142	0.1	3.34
28)	TCM	4-Chloro-3-methylphen	0.305	0.311	0.305	0.304	0.296	0.3	1.72
29)	IR	Acenaphthene-d10	ISTD						
30)	TP	Hexachlorocyclopentad	0.093	0.130	0.184	0.157	0.181	0.1	25.45#
31)	T	2,4,5-Trichlorophenol	0.395	0.391	0.394	0.372	0.353	0.4	4.78
32)	TC	2,4,6-Trichlorophenol	0.408	0.413	0.414	0.394	0.367	0.4	4.93
33)	S	2-Fluorobiphenyl (SUR	1.440	1.425	1.380	1.338	1.229	1.4	6.22
34)	T	2-Chloronaphthalene	1.160	1.147	1.126	1.100	1.021	1.1	4.95
35)	T	Dimethylphthalate	1.419	1.423	1.405	1.381	1.323	1.4	2.94
36)	T	Acenaphthylene	2.084	2.027	2.032	1.879	1.746	2.0	7.11
37)	T	2,6-Dinitrotoluene	0.310	0.331	0.342	0.340	0.328	0.3	3.82
38)	TCM	Acenaphthene (CCC)	1.203	1.169	1.160	1.057	0.992	1.1	7.91
39)	TP	2,4-Dinitrophenol (SP	0.029	0.103	0.090	0.193	0.225	0.1	62.53#
40)	TPM	4-Nitrophenol (SPCC)	0.277	0.337	0.348	0.357	0.351	0.3	9.79
41)	TM	2,4-Dinitrotoluene	0.385	0.429	0.460	0.439	0.432	0.4	6.35

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Initial Calibration

Calibration Files
1 =LEVEL1.D 2 =LEVEL2.D 3 =LEVEL3.D
4 =LEVEL4.D 5 =LEVEL5.D

		Compound	1	2	3	4	5	Avg	%RSD
42)	T	Diethylphthalate	1.474	1.443	1.407	1.331	1.219	1.4	7.44
43)	T	Fluorene	1.349	1.319	1.316	1.247	1.203	1.3	4.65
44)	T	4-Chlorophenyl phenyl	0.586	0.592	0.570	0.559	0.512	0.6	5.59
45)	IR	Phenanthrene-d10	----------ISTD----------						
46)	T	4,6-Dinitro-2-methylp	0.057	0.137	0.119	0.197	0.207	0.1	42.93
47)	TC	N-Nitrosodiphenylamin	0.684	0.655	0.620	0.576	0.531	0.6	9.96
48)	S	2,4,6-Tribromophenol	0.119	0.124	0.112	0.115	0.105	0.1	6.20
49)	T	4-Bromophenyl phenyl	0.201	0.196	0.187	0.186	0.176	0.2	5.15
50)	T	Hexachlorobenzene	0.233	0.229	0.216	0.220	0.207	0.2	4.69
51)	TCM	Pentachlorophenol (CC	0.119	0.163	0.154	0.167	0.163	0.2	12.83
52)	T	Phenanthrene	1.236	1.236	1.185	1.180	1.118	1.2	4.10
53)	T	Anthracene	1.242	1.253	1.198	1.195	1.111	1.2	4.68
54)	T	Di-n-butylphthalate	1.721	1.717	1.687	1.622	1.545	1.7	4.49
55)	TC	Fluoranthene (CCC)	1.223	1.234	1.210	1.174	1.153	1.2	2.86
56)	IR	Chrysene-d12	----------ISTD----------						
57)	TM	Pyrene	1.632	1.546	1.539	1.508	1.493	1.5	3.50
58)	S	p-Terphenyl-d14 (SURR	0.963	0.982	0.941	0.965	0.934	1.0	2.04
59)	T	Benzo(a)anthracene	1.235	1.272	1.255	1.261	1.250	1.3	1.08
60)	T	Chrysene	1.188	1.183	1.171	1.181	1.156	1.2	1.08
61)	T	Bis(2-ethylhexyl)phth	1.236	1.231	1.235	1.190	1.131	1.2	3.75
62)	TC	Di-n-octylphthalate (	2.108	2.232	2.407	2.251	2.208	2.2	4.81
63)	IR	Perylene-d12	----------ISTD----------						
64)	T	Benzo(b)fluoranthene	1.342	1.358	1.373	1.372	1.513	1.4	4.94
65)	T	Benzo(k)fluoranthene	1.189	1.258	1.285	1.212	1.097	1.2	6.01
66)	TC	Benzo(a)pyrene (CCC)	1.045	1.132	1.164	1.133	1.121	1.1	3.96
67)	T	Indeno(1,2,3-cd)pyren	0.851	0.940	1.040	0.971	0.952	1.0	7.14
68)	T	Dibenzo(a,h)anthracen	0.684	0.787	0.861	0.808	0.790	0.8	8.18
69)	T	Benzo(g,h,i)perylene	0.694	0.750	0.825	0.752	0.724	0.7	6.47

(#) = Out of Range

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL1.D
Acq On : 14 Aug 95 10:39 am
Sample : LEVEL1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:10 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	950572	40.00	ug/ml	-0.02
17) Naphthalene-d8	11.25	136	3692363	40.00	ug/ml	-0.02
29) Acenaphthene-d10	16.78	164	1611555	40.00	ug/ml	0.00
45) Phenanthrene-d10	21.45	188	2266633	40.00	ug/ml	-0.01
56) Chrysene-d12	29.97	240	1723220	40.00	ug/ml	-0.02
63) Perylene-d12	36.42	264	1352066	40.00	ug/ml	-0.03
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.74	112	749364	20.01	ug/ml	10.00%
5) Phenol-d5 (SURR)	6.81	99	919351	20.47	ug/ml	10.24%
18) Nitrobenzene-d5 (SURROGATE	9.22	82	315653	9.95	ug/ml	9.95%
33) 2-Fluorobiphenyl (SURROGAT	14.71	172	580313	10.57	ug/ml	10.57%
48) 2,4,6-Tribromophenol (SURR	19.31	330	134858	20.70	ug/ml	10.35%
58) p-Terphenyl-d14 (SURROGATE	26.66	244	415035	10.07	ug/ml	10.07%
Target Compounds						Qvalue
2) Pyridine	2.79	79	341904	9.96	ug/ml	96
3) N-Nitrosodimethylamine	2.83	42	116377	9.58	ug/ml	91
6) Phenol (CCC)	6.85	94	980358	20.96	ug/ml	100
7) Bis(2-chloroethyl)ether	7.08	93	416713	10.42	ug/ml#	43
8) 2-Chlorophenol	7.16	128	831237	20.75	ug/ml	97
9) 1,3-Dichlorobenzene	7.52	146	326814	9.99	ug/ml	99
10) 1,4-Dichlorobenzene (CCC)	7.66	146	435765	10.31	ug/ml	99
11) 1,2-Dichlorobenzene	8.16	146	322421	10.01	ug/ml	100
12) o-Cresol	8.42	108	751527	20.78	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	8.53	45	421628	10.37	ug/ml#	100
14) m,p-Cresol	8.86	107	1643169	43.18	ug/ml	99
15) n-Nitrosodi-n-propylamine(	8.95	70	222262	11.04	ug/ml	100
16) Hexachloroethane	8.99	117	123919	10.21	ug/ml	98
19) Nitrobenzene	9.27	77	328084	10.22	ug/ml	96
20) Isophorone	9.96	82	698907	9.82	ug/ml	99
21) 2-Nitrophenol (CCC)	10.19	139	415576	18.98	ug/ml	100
22) 2,4-Dimethylphenol	10.38	122	673259	20.97	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.69	93	462199	10.26	ug/ml	99
24) 2,4-Dichlorophenol (CCC)	10.88	162	529817	20.23	ug/ml	99
25) 1,2,4-Trichlorobenzene	11.14	180	267027	9.89	ug/ml	100
26) Naphthalene	11.30	128	1012115	10.57	ug/ml	99
27) Hexachlorobutadiene (CCC)	11.91	225	141275	10.49	ug/ml	98
28) 4-Chloro-3-methylphenol(CC	13.13	107	563988	20.08	ug/ml	98
30) Hexachlorocyclopentadiene(	14.18	237	37639	6.66	ug/ml	98
31) 2,4,5-Trichlorophenol	14.44	196	318270	20.73	ug/ml	98
32) 2,4,6-Trichlorophenol (CCC	14.54	196	328434	20.42	ug/ml	97
34) 2-Chloronaphthalene	14.94	162	467520	10.45	ug/ml	98
35) Dimethylphthalate	16.19	163	571768	10.21	ug/ml	99

(#) = qualifier out of range (m) = manual integration

001512

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL1.D
Acq On : 14 Aug 95 10:39 am
Sample : LEVEL1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:10 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	16.27	152	839758	10.67 ug/ml	99
37) 2,6-Dinitrotoluene	16.37	165	124998	9.40 ug/ml	98
38) Acenaphthene (CCC)	16.87	154	484749	10.78 ug/ml	99
39) 2,4-Dinitrophenol (SPCC)	17.07	184	23508	14.87 ug/ml	97
40) 4-Nitrophenol (SPCC)	17.36	139	223281	16.19 ug/ml	99
41) 2,4-Dinitrotoluene	17.57	165	155304	8.98 ug/ml	98
42) Diethylphthalate	18.46	149	594043	10.72 ug/ml	99
43) Fluorene	18.48	166	543296	10.48 ug/ml	100
44) 4-Chlorophenyl phenyl ethe	18.55	204	235969	10.39 ug/ml	99
46) 4,6-Dinitro-2-methylphenol	18.84	198	64098	11.96 ug/ml	97
47) N-Nitrosodiphenylamine (CC	18.96	169	387706	11.16 ug/ml	99
49) 4-Bromophenyl phenyl ether	20.08	248	113928	10.62 ug/ml	96
50) Hexachlorobenzene	20.49	284	132241	10.55 ug/ml	97
51) Pentachlorophenol (CCC)	21.08	266	135022	15.54 ug/ml	99
52) Phenanthrene	21.52	178	700194	10.38 ug/ml	100
53) Anthracene	21.65	178	703689	10.35 ug/ml	100
54) Di-n-butylphthalate	23.68	149	975001	10.38 ug/ml	99
55) Fluoranthene (CCC)	25.33	202	692864	10.20 ug/ml	100
57) Pyrene	26.03	202	703002	10.57 ug/ml	99
59) Benzo(a)anthracene	29.90	228	532250	9.85 ug/ml	100
60) Chrysene	30.05	228	511959	10.11 ug/ml	98
61) Bis(2-ethylhexyl)phthalate	30.43	149	532318	10.26 ug/ml	99
62) Di-n-octylphthalate (CCC)	32.90	149	908095	9.41 ug/ml	100
64) Benzo(b)fluoranthene	34.32	252	453685	9.64 ug/ml	99
65) Benzo(k)fluoranthene	34.44	252	401930	8.58 ug/ml	99
66) Benzo(a)pyrene (CCC)	36.03	252	353119	9.34 ug/ml	99
67) Indeno(1,2,3-cd)pyrene	40.90	276	287591	8.95 ug/ml#	71
68) Dibenzo(a,h)anthracene	41.00	278	231089	8.70 ug/ml	98
69) Benzo(g,h,i)perylene	41.77	276	234665	9.27 ug/ml	96

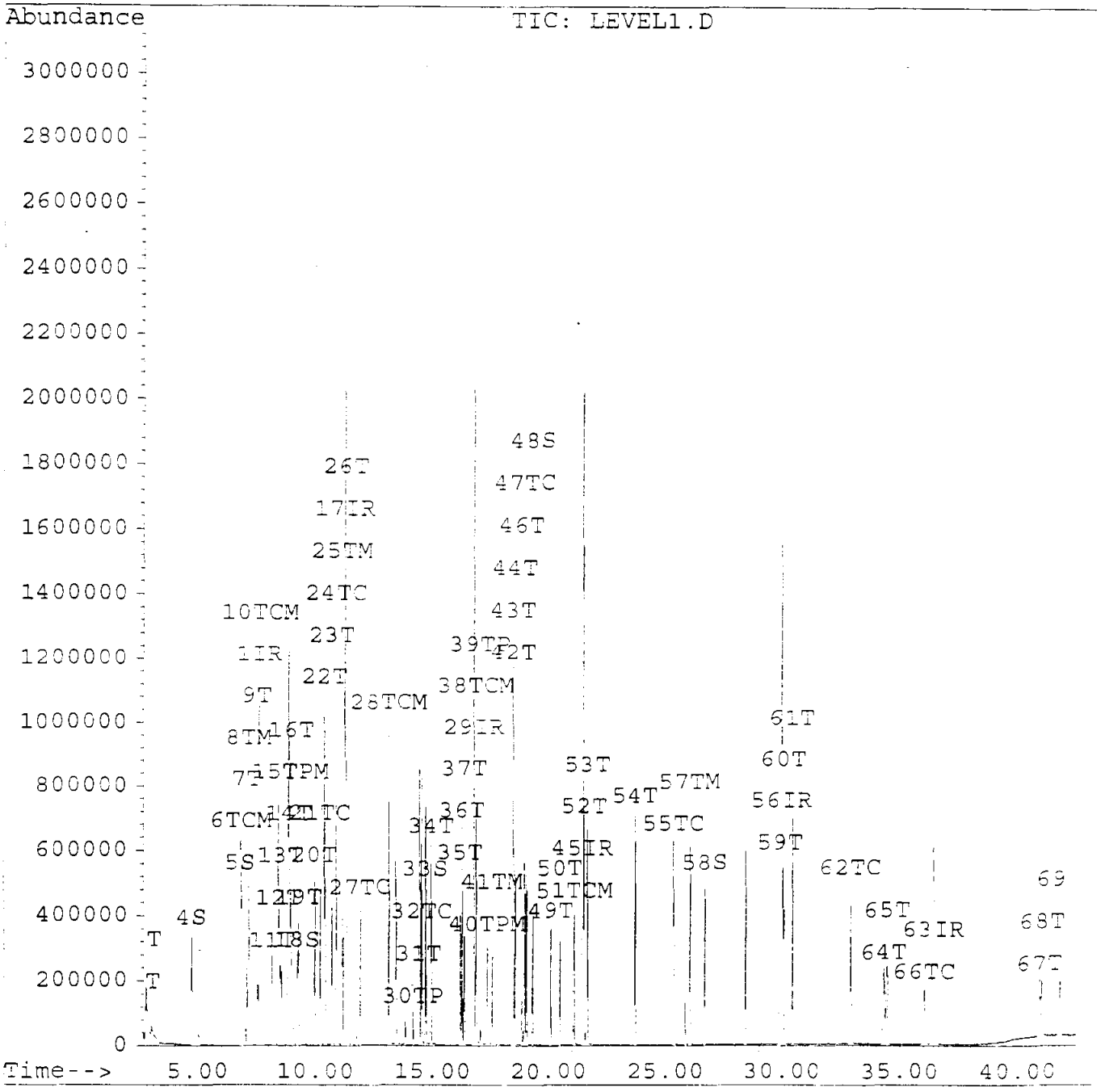
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL1.D
Acq On : 14 Aug 95 10:39 am
Sample : LEVEL1 10 - 20 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:10 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL2.D
Acq On : 14 Aug 95 11:28 am
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:11 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	852312	40.00	ug/ml	0.01
17) Naphthalene-d8	11.28	136	3357101	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.80	164	1538921	40.00	ug/ml	0.01
45) Phenanthrene-d10	21.47	188	2200258	40.00	ug/ml	0.00
56) Chrysene-d12	30.00	240	1764683	40.00	ug/ml	0.00
63) Perylene-d12	36.45	264	1456351	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.78	112	2019299	60.13	ug/ml	30.07%
5) Phenol-d5 (SURR)	6.87	99	2461153	61.12	ug/ml	30.56%
18) Nitrobenzene-d5 (SURROGATE	9.27	82	881302	30.57	ug/ml	30.57%
33) 2-Fluorobiphenyl (SURROGAT	14.74	172	1645234	31.38	ug/ml	31.38%
48) 2,4,6-Tribromophenol (SURR	19.34	330	408979	64.66	ug/ml	32.33%
58) p-Terphenyl-d14 (SURROGATE	26.69	244	1300271	30.79	ug/ml	30.79%
Target Compounds						Qvalue
2) Pyridine	2.81	79	933312	30.33	ug/ml	97
3) N-Nitrosodimethylamine	2.85	42	328200	30.13	ug/ml	98
6) Phenol (CCC)	6.90	94	2574724	61.40	ug/ml	99
7) Bis(2-chloroethyl)ether	7.12	93	1099950	30.67	ug/ml#	48
8) 2-Chlorophenol	7.20	128	2198687	61.22	ug/ml	97
9) 1,3-Dichlorobenzene	7.56	146	880507	30.03	ug/ml	98
10) 1,4-Dichlorobenzene (CCC)	7.69	146	1160823	30.62	ug/ml	98
11) 1,2-Dichlorobenzene	8.19	146	870723	30.16	ug/ml	98
12) o-Cresol	8.47	108	2004274	61.80	ug/ml	99
13) Bis(2-chloroisopropyl)ethe	8.57	45	1154197	31.66	ug/ml#	100
14) m,p-Cresol	8.91	107	4377561	128.30	ug/ml#	3
15) n-Nitrosodi-n-propylamine(	9.03	70	569478	31.54	ug/ml	98
16) Hexachloroethane	9.02	117	344032	31.62	ug/ml	98
19) Nitrobenzene	9.32	77	906354	31.06	ug/ml	94
20) Isophorone	10.02	82	1943762	30.05	ug/ml	98
21) 2-Nitrophenol (CCC)	10.24	139	1202997	60.43	ug/ml	100
22) 2,4-Dimethylphenol	10.42	122	1796993	61.56	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.73	93	1254690	30.63	ug/ml	100
24) 2,4-Dichlorophenol (CCC)	10.92	162	1449474	60.87	ug/ml	97
25) 1,2,4-Trichlorobenzene	11.17	180	744059	30.30	ug/ml	96
26) Naphthalene	11.34	128	2726889	31.33	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.93	225	373371	30.50	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	13.17	107	1563821	61.24	ug/ml	99
30) Hexachlorocyclopentadiene(	14.20	237	150208	26.27	ug/ml	99
31) 2,4,5-Trichlorophenol	14.47	196	902588	61.55	ug/ml	96
32) 2,4,6-Trichlorophenol (CCC	14.58	196	952460	62.02	ug/ml	95
34) 2-Chloronaphthalene	14.98	162	1323418	30.97	ug/ml	97
35) Dimethylphthalate	16.22	163	1642391	30.71	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL2.D
Acq On : 14 Aug 95 11:28 am
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:11 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	16.30	152	2339326	31.12 ug/ml	100
37) 2,6-Dinitrotoluene	16.40	165	381835	30.07 ug/ml	100
38) Acenaphthene (CCC)	16.90	154	1349144	31.42 ug/ml	95
39) 2,4-Dinitrophenol (SPCC)	17.09	184	236744	66.56 ug/ml	98
40) 4-Nitrophenol (SPCC)	17.41	139	777764	58.60 ug/ml	99
41) 2,4-Dinitrotoluene	17.61	165	495071	29.98 ug/ml	99
42) Diethylphthalate	18.51	149	1665704	31.49 ug/ml	97
43) Fluorene	18.51	166	1522786	30.76 ug/ml	99
44) 4-Chlorophenyl phenyl ethe	18.58	204	683092	31.50 ug/ml	100
46) 4,6-Dinitro-2-methylphenol	18.90	198	450644	64.46 ug/ml	99
47) N-Nitrosodiphenylamine (CC	19.00	169	1080764	32.03 ug/ml	100
49) 4-Bromophenyl phenyl ether	20.11	248	324010	31.11 ug/ml	100
50) Hexachlorobenzene	20.52	284	378572	31.11 ug/ml	96
51) Pentachlorophenol (CCC)	21.12	266	538297	63.84 ug/ml	99
52) Phenanthrene	21.55	178	2040322	31.15 ug/ml	100
53) Anthracene	21.69	178	2068253	31.34 ug/ml	100
54) Di-n-butylphthalate	23.70	149	2832741	31.05 ug/ml	10[illegible]
55) Fluoranthene (CCC)	25.36	202	2036306	30.89 ug/ml	10
57) Pyrene	26.06	202	2046548	30.05 ug/ml	100
59) Benzo(a)anthracene	29.93	228	1683470	30.41 ug/ml	100
60) Chrysene	30.08	228	1566001	30.19 ug/ml	100
61) Bis(2-ethylhexyl)phthalate	30.45	149	1629399	30.66 ug/ml	99
62) Di-n-octylphthalate (CCC)	32.94	149	2954008	29.88 ug/ml	100
64) Benzo(b)fluoranthene	34.38	252	1519542	29.99 ug/ml	99
65) Benzo(k)fluoranthene	34.52	252	1333147	27.58 ug/ml	100
66) Benzo(a)pyrene (CCC)	36.09	252	1236388	30.35 ug/ml	100
67) Indeno(1,2,3-cd)pyrene	40.95	276	1026758	29.66 ug/ml	74
68) Dibenzo(a,h)anthracene	41.05	278	859330	30.04 ug/ml	97
69) Benzo(g,h,i)perylene	41.83	276	818816	30.02 ug/ml	96

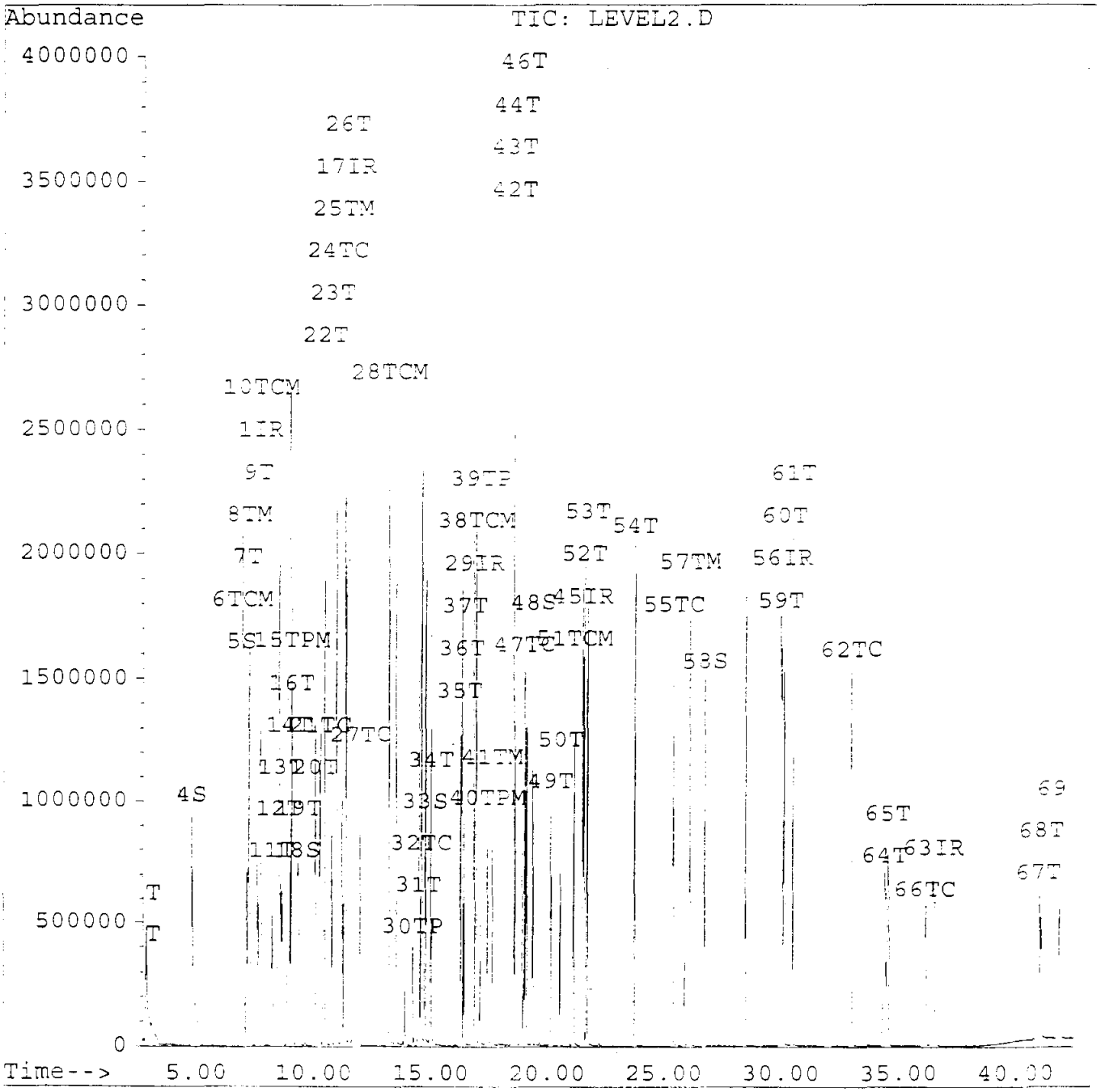
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL2.D
Acq On : 14 Aug 95 11:28 am
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:11 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL3.D
Acq On : 14 Aug 95 9:31 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:14 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	920132	40.00	ug/ml	0.00
17) Naphthalene-d8	11.27	136	3549718	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.79	164	1605278	40.00	ug/ml	0.00
45) Phenanthrene-d10	21.47	188	2323661	40.00	ug/ml	0.00
56) Chrysene-d12	30.00	240	1838754	40.00	ug/ml	0.00
63) Perylene-d12	36.45	264	1594010	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.77	112	3643345	100.50	ug/ml	50.25%
5) Phenol-d5 (SURR)	6.87	99	4391832	101.03	ug/ml	50.51%
18) Nitrobenzene-d5 (SURROGATE	9.28	82	1523318	49.97	ug/ml	49.97%
33) 2-Fluorobiphenyl (SURROGAT	14.74	172	2770054	50.65	ug/ml	50.65%
48) 2,4,6-Tribromophenol (SURR	19.35	330	653390	97.81	ug/ml	48.91%
58) p-Terphenyl-d14 (SURROGATE	26.69	244	2163233	49.17	ug/ml	49.17%
Target Compounds						Qvalue
2) Pyridine	2.80	79	1656222	49.85	ug/ml	10
3) N-Nitrosodimethylamine	2.84	42	600734	51.08	ug/ml	10
6) Phenol (CCC)	6.91	94	4624823	102.16	ug/ml	100
7) Bis(2-chloroethyl)ether	7.12	93	1941650	50.15	ug/ml	100
8) 2-Chlorophenol	7.20	128	3973390	102.48	ug/ml	100
9) 1,3-Dichlorobenzene	7.55	146	1620049	51.18	ug/ml	100
10) 1,4-Dichlorobenzene (CCC)	7.68	146	2052110	50.14	ug/ml	100
11) 1,2-Dichlorobenzene	8.17	146	1581807	50.74	ug/ml	100
12) o-Cresol	8.47	108	3535667	100.99	ug/ml	100
13) Bis(2-chloroisopropyl)ethe	8.57	45	1883411	47.86	ug/ml#	100
14) m,p-Cresol	8.92	107	7498009	203.56	ug/ml	100
15) n-Nitrosodi-n-propylamine(	9.05	70	968055	49.66	ug/ml	100
16) Hexachloroethane	9.00	117	611727	52.08	ug/ml	100
19) Nitrobenzene	9.33	77	1510297	48.95	ug/ml	100
20) Isophorone	10.03	82	3320169	48.54	ug/ml	100
21) 2-Nitrophenol (CCC)	10.24	139	2140564	101.69	ug/ml	100
22) 2,4-Dimethylphenol	10.44	122	3111762	100.82	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.74	93	2157204	49.80	ug/ml	100
24) 2,4-Dichlorophenol (CCC)	10.93	162	2572615	102.18	ug/ml	100
25) 1,2,4-Trichlorobenzene	11.17	180	1300500	50.09	ug/ml	100
26) Naphthalene	11.34	128	4540163	49.33	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.93	225	628593	48.56	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	13.17	107	2711041	100.41	ug/ml	100
30) Hexachlorocyclopentadiene(	14.19	237	369960	57.05	ug/ml	100
31) 2,4,5-Trichlorophenol	14.47	196	1582843	103.48	ug/ml	100
32) 2,4,6-Trichlorophenol (CCC	14.58	196	1663057	103.82	ug/ml	100
34) 2-Chloronaphthalene	14.98	162	2258906	50.67	ug/ml	10
35) Dimethylphthalate	16.22	163	2818874	50.52	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL3.D
Acq On : 14 Aug 95 9:31 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:14 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Acenaphthylene	16.29	152	4077153	52.00	ug/ml	100
37) 2,6-Dinitrotoluene	16.41	165	685834	51.77	ug/ml	100
38) Acenaphthene (CCC)	16.90	154	2327658	51.96	ug/ml	100
39) 2,4-Dinitrophenol (SPCC)	17.09	184	359594	82.40	ug/ml	100
40) 4-Nitrophenol (SPCC)	17.42	139	1394685	100.00	ug/ml	100
41) 2,4-Dinitrotoluene	17.62	165	923242	53.60	ug/ml	100
42) Diethylphthalate	18.52	149	2823733	51.17	ug/ml	100
43) Fluorene	18.50	166	2639844	51.12	ug/ml	100
44) 4-Chlorophenyl phenyl ethe	18.58	204	1143497	50.55	ug/ml	100
46) 4,6-Dinitro-2-methylphenol	18.91	198	688998	84.87	ug/ml	100
47) N-Nitrosodiphenylamine (CC	19.01	169	1801099	50.55	ug/ml	100
49) 4-Bromophenyl phenyl ether	20.10	248	542815	49.35	ug/ml	100
50) Hexachlorobenzene	20.51	284	628019	48.86	ug/ml	100
51) Pentachlorophenol (CCC)	21.12	266	896197	100.64	ug/ml	100
52) Phenanthrene	21.55	178	3441914	49.75	ug/ml	100
53) Anthracene	21.69	178	3480587	49.94	ug/ml	100
54) Di-n-butylphthalate	23.70	149	4900697	50.87	ug/ml	100
55) Fluoranthene (CCC)	25.36	202	3513298	50.46	ug/ml	100
57) Pyrene	26.06	202	3538398	49.87	ug/ml	100
59) Benzo(a)anthracene	29.93	228	2883529	49.99	ug/ml	100
60) Chrysene	30.09	228	2691582	49.79	ug/ml	100
61) Bis(2-ethylhexyl)phthalate	30.45	149	2837577	51.25	ug/ml	100
62) Di-n-octylphthalate (CCC)	32.94	149	5531509	53.69	ug/ml	100
64) Benzo(b)fluoranthene	34.39	252	2802972	50.54	ug/mlm	100
65) Benzo(k)fluoranthene	34.54	252	2625625	52.72	ug/mlm	100
66) Benzo(a)pyrene (CCC)	36.12	252	2318501	52.01	ug/ml	100
67) Indeno(1,2,3-cd)pyrene	40.97	276	2071831	54.68	ug/ml	100
68) Dibenzo(a,h)anthracene	41.07	278	1714764	54.76	ug/ml	100
69) Benzo(g,h,i)perylene	41.85	276	1643669	55.06	ug/ml	100

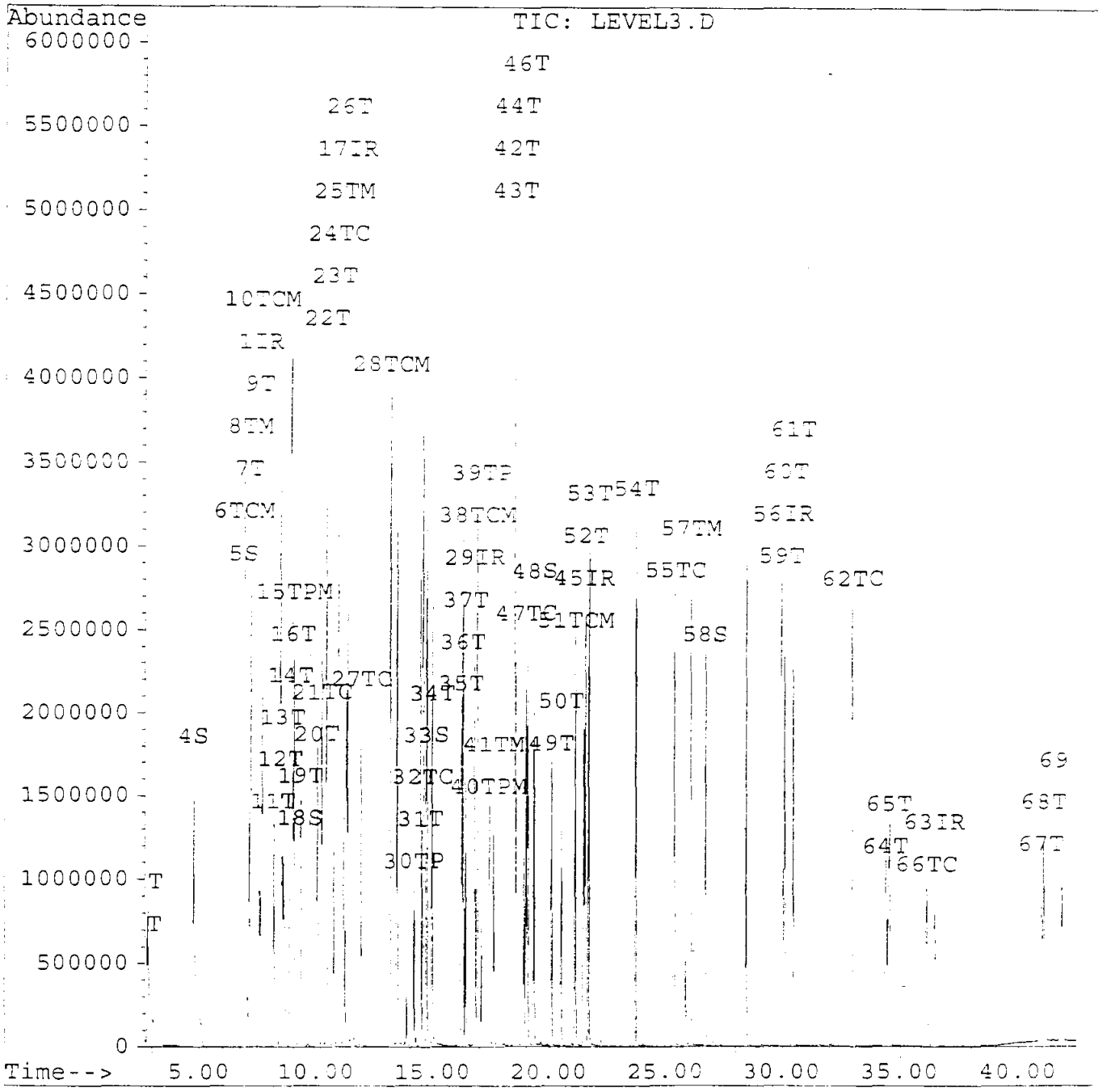
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL3.D
Acq On : 14 Aug 95 9:31 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:14 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL4.D
Acq On : 14 Aug 95 12:16 pm
Sample : LEVEL4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:15 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	888371	40.00	ug/ml	0.03
17) Naphthalene-d8	11.31	136	3439659	40.00	ug/ml	0.04
29) Acenaphthene-d10	16.82	164	1653372	40.00	ug/ml	0.03
45) Phenanthrene-d10	21.51	188	2366864	40.00	ug/ml	0.04
56) Chrysene-d12	30.03	240	1856021	40.00	ug/ml	0.04
63) Perylene-d12	36.52	264	1596023	40.00	ug/ml	0.07
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.80	112	4889543	139.69	ug/ml	69.85%
5) Phenol-d5 (SURR)	6.92	99	5790934	137.97	ug/ml	68.99%
18) Nitrobenzene-d5 (SURROGATE	9.32	82	2074258	70.22	ug/ml	70.22%
33) 2-Fluorobiphenyl (SURROGAT	14.77	172	3870214	68.71	ug/ml	68.71%
48) 2,4,6-Tribromophenol (SURR	19.39	330	949608	139.56	ug/ml	69.78%
58) p-Terphenyl-d14 (SURROGATE	26.72	244	3133072	70.55	ug/ml	70.55%
Target Compounds						Qvalue
2) Pyridine	2.82	79	2244688	69.98	ug/ml	99
3) N-Nitrosodimethylamine	2.86	42	801299	70.57	ug/ml	97
6) Phenol (CCC)	6.96	94	5925165	135.56	ug/ml	99
7) Bis(2-chloroethyl)ether	7.16	93	2571892	68.81	ug/ml	99
8) 2-Chlorophenol	7.25	128	5095387	136.12	ug/ml	95
9) 1,3-Dichlorobenzene	7.57	146	2144198	70.16	ug/ml	98
10) 1,4-Dichlorobenzene (CCC)	7.71	146	2723388	68.91	ug/ml	98
11) 1,2-Dichlorobenzene	8.20	146	2097907	69.71	ug/ml	98
12) o-Cresol	8.51	108	4606177	136.27	ug/ml	99
13) Bis(2-chloroisopropyl)ethe	8.60	45	2656389	69.91	ug/ml#	100
14) m,p-Cresol	8.96	107	9489805	266.85	ug/ml	98
15) n-Nitrosodi-n-propylamine(	9.10	70	1263459	67.13	ug/ml	98
16) Hexachloroethane	9.03	117	783657	69.11	ug/ml	93
19) Nitrobenzene	9.37	77	2092519	69.99	ug/ml	96
20) Isophorone	10.10	82	4763863	71.87	ug/ml	98
21) 2-Nitrophenol (CCC)	10.28	139	2911327	142.73	ug/ml	99
22) 2,4-Dimethylphenol	10.49	122	4086065	136.63	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.78	93	2924561	69.68	ug/ml	100
24) 2,4-Dichlorophenol (CCC)	10.98	162	3368471	138.07	ug/ml	96
25) 1,2,4-Trichlorobenzene	11.20	180	1768579	70.30	ug/ml	95
26) Naphthalene	11.38	128	6146143	68.92	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.96	225	871723	69.50	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	13.21	107	3655332	139.71	ug/ml	99
30) Hexachlorocyclopentadiene(	14.22	237	453424	66.28	ug/ml	98
31) 2,4,5-Trichlorophenol	14.51	196	2154334	136.74	ug/ml	95
32) 2,4,6-Trichlorophenol (CCC	14.62	196	2281048	138.26	ug/ml	95
34) 2-Chloronaphthalene	15.02	162	3182524	69.31	ug/ml	96
35) Dimethylphthalate	16.27	163	3995172	69.53	ug/ml	99

(#) = qualifier out of range (m) = manual integration

001521

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL4.D
Acq On : 14 Aug 95 12:16 pm
Sample : LEVEL4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:15 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	16.33	152	5436107	67.32 ug/ml	99
37) 2,6-Dinitrotoluene	16.45	165	984040	72.12 ug/ml	95
38) Acenaphthene (CCC)	16.94	154	3058767	66.30 ug/ml	96
39) 2,4-Dinitrophenol (SPCC)	17.15	184	1119229	150.99 ug/ml	94
40) 4-Nitrophenol (SPCC)	17.48	139	2068569	142.93 ug/ml	99
41) 2,4-Dinitrotoluene	17.66	165	1270650	71.63 ug/ml	99
42) Diethylphthalate	18.57	149	3852478	67.78 ug/ml	100
43) Fluorene	18.55	166	3607682	67.84 ug/ml	99
44) 4-Chlorophenyl phenyl ethe	18.61	204	1616249	69.37 ug/ml	100
46) 4,6-Dinitro-2-methylphenol	18.98	198	1634100	152.19 ug/ml	97
47) N-Nitrosodiphenylamine (CC	19.06	169	2387141	65.77 ug/ml	100
49) 4-Bromophenyl phenyl ether	20.14	248	772219	68.93 ug/ml	99
50) Hexachlorobenzene	20.55	284	910478	69.54 ug/ml	96
51) Pentachlorophenol (CCC)	21.15	266	1386094	152.81 ug/ml	99
52) Phenanthrene	21.59	178	4886084	69.33 ug/ml	100
53) Anthracene	21.74	178	4948915	69.71 ug/ml	100
54) Di-n-butylphthalate	23.73	149	6719572	68.48 ug/ml	100
55) Fluoranthene (CCC)	25.39	202	4861838	68.56 ug/ml	10
57) Pyrene	26.10	202	4896620	68.37 ug/ml	99
59) Benzo(a)anthracene	29.97	228	4096376	70.36 ug/ml	100
60) Chrysene	30.14	228	3836008	70.30 ug/ml	100
61) Bis(2-ethylhexyl)phthalate	30.48	149	3864448	69.15 ug/ml	100
62) Di-n-octylphthalate (CCC)	32.99	149	7312272	70.32 ug/ml	100
64) Benzo(b)fluoranthene	34.47	252	3939422	70.95 ug/mlm	100
65) Benzo(k)fluoranthene	34.62	252	3490047	73.84 ug/mlm	99
66) Benzo(a)pyrene (CCC)	36.21	252	3163317	70.87 ug/ml	100
67) Indeno(1,2,3-cd)pyrene	41.02	276	2712773	71.51 ug/ml	95
68) Dibenzo(a,h)anthracene	41.12	278	2256894	71.98 ug/ml	97
69) Benzo(g,h,i)perylene	41.90	276	2101505	70.31 ug/ml	97

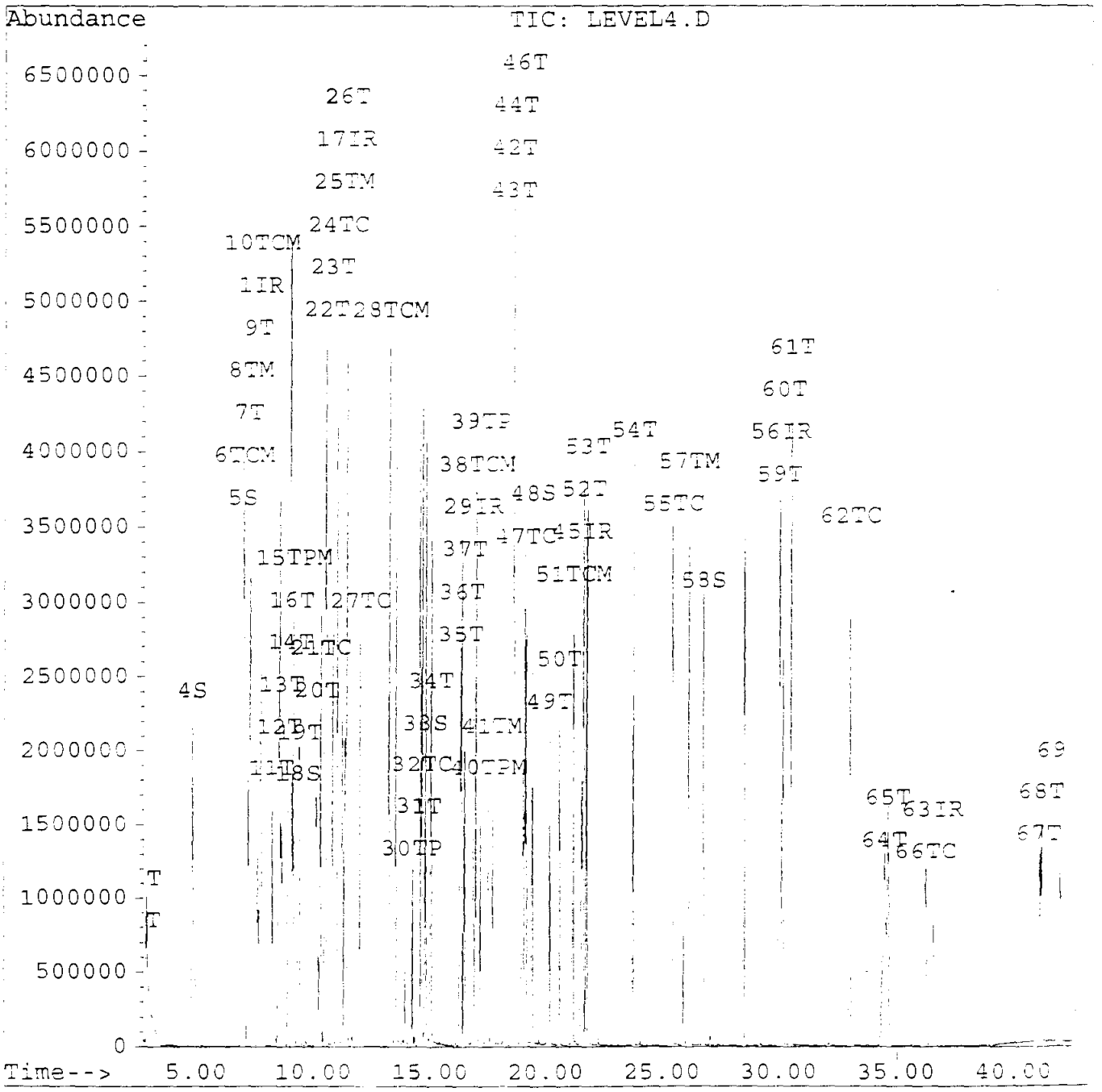
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL4.D
Acq On : 14 Aug 95 12:16 pm
Sample : LEVEL4 70 - 140 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:15 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration



001523

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL5.D
Acq On : 14 Aug 95 1:11 pm
Sample : LEVEL5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:22 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	889724	40.00	ug/ml	0.02
17) Naphthalene-d8	11.32	136	3425739	40.00	ug/ml	0.05
29) Acenaphthene-d10	16.83	164	1734265	40.00	ug/ml	0.04
45) Phenanthrene-d10	21.52	188	2523605	40.00	ug/ml	0.06
56) Chrysene-d12	30.06	240	1947196	40.00	ug/ml	0.06
63) Perylene-d12	36.56	264	1654695	40.00	ug/ml	0.11
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.80	112	6973630	198.93	ug/ml	99.47%
5) Phenol-d5 (SURR)	6.94	99	8088288	192.41	ug/ml	96.21%
18) Nitrobenzene-d5 (SURROGATE	9.34	82	2892779	98.32	ug/ml	98.32%
33) 2-Fluorobiphenyl (SURROGAT	14.79	172	5329475	90.21	ug/ml	90.21%
48) 2,4,6-Tribromophenol (SURR	19.42	330	1323990	182.50	ug/ml	91.25%
58) p-Terphenyl-d14 (SURROGATE	26.74	244	4546586	97.58	ug/ml	97.58%
Target Compounds						Qvalue
2) Pyridine	2.80	79	3199590	99.60	ug/ml	9
3) N-Nitrosodimethylamine	2.84	42	1146453	100.81	ug/ml	9
6) Phenol (CCC)	6.98	94	8219021	187.75	ug/ml	98
7) Bis(2-chloroethyl)ether	7.17	93	3555427	94.97	ug/ml	98
8) 2-Chlorophenol	7.26	128	7085474	188.99	ug/ml	96
9) 1,3-Dichlorobenzene	7.57	146	2979729	97.36	ug/ml	98
10) 1,4-Dichlorobenzene (CCC)	7.71	146	3806317	96.17	ug/ml	99
11) 1,2-Dichlorobenzene	8.19	146	2962682	98.29	ug/ml	98
12) o-Cresol	8.52	108	6417010	189.55	ug/ml	99
13) Bis(2-chloroisopropyl)ethe	8.61	45	3621580	95.17	ug/ml#	100
14) m,p-Cresol	9.00	107	12543538	352.18	ug/ml	97
15) n-Nitrosodi-n-propylamine(	9.13	70	1683469	89.31	ug/ml	96
16) Hexachloroethane	9.03	117	1017391	89.58	ug/ml	89
19) Nitrobenzene	9.39	77	2869816	96.37	ug/ml	96
20) Isophorone	10.14	82	6725481	101.88	ug/ml	97
21) 2-Nitrophenol (CCC)	10.30	139	4092775	201.47	ug/ml	99
22) 2,4-Dimethylphenol	10.51	122	5606889	188.24	ug/ml	100
23) Bis(2-chloroethoxy)methane	10.80	93	4021128	96.19	ug/ml	99
24) 2,4-Dichlorophenol (CCC)	11.00	162	4693406	193.16	ug/ml	96
25) 1,2,4-Trichlorobenzene	11.20	180	2493308	99.51	ug/ml	96
26) Naphthalene	11.39	128	8235048	92.72	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.96	225	1212034	97.02	ug/ml	100
28) 4-Chloro-3-methylphenol(CC	13.23	107	5071804	194.64	ug/ml	98
30) Hexachlorocyclopentadiene(	14.22	237	783209	100.41	ug/ml	98
31) 2,4,5-Trichlorophenol	14.53	196	3061819	185.28	ug/ml	94
32) 2,4,6-Trichlorophenol (CCC	14.64	196	3181772	183.86	ug/ml	94
34) 2-Chloronaphthalene	15.03	162	4428093	91.94	ug/ml	9
35) Dimethylphthalate	16.29	163	5737342	95.19	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL5.D
Acq On : 14 Aug 95 1:11 pm
Sample : LEVEL5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:22 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Acenaphthylene	16.34	152	7570414	89.38	ug/ml	98
37) 2,6-Dinitrotoluene	16.48	165	1420051	99.22	ug/ml	95
38) Acenaphthene (CCC)	16.95	154	4300205	88.86	ug/ml	94
39) 2,4-Dinitrophenol (SPCC)	17.18	184	1953380	197.93	ug/ml	92
40) 4-Nitrophenol (SPCC)	17.52	139	3046658	198.75	ug/ml	99
41) 2,4-Dinitrotoluene	17.69	165	1873739	100.70	ug/ml	98
42) Diethylphthalate	18.60	149	5285131	88.65	ug/ml	99
43) Fluorene	18.57	166	5215720	93.50	ug/ml	99
44) 4-Chlorophenyl phenyl ethe	18.63	204	2221617	90.90	ug/ml	100
46) 4,6-Dinitro-2-methylphenol	19.04	198	2606983	197.31	ug/ml	99
47) N-Nitrosodiphenylamine (CC	19.09	169	3351255	86.60	ug/ml	95
49) 4-Bromophenyl phenyl ether	20.15	248	1110103	92.93	ug/ml	99
50) Hexachlorobenzene	20.58	284	1308903	93.77	ug/ml	96
51) Pentachlorophenol (CCC)	21.17	266	2052368	212.21	ug/ml	99
52) Phenanthrene	21.62	178	7053975	93.88	ug/ml	100
53) Anthracene	21.76	178	7007866	92.58	ug/ml	99
54) Di-n-butylphthalate	23.74	149	9748485	93.17	ug/ml	100
55) Fluoranthene (CCC)	25.43	202	7271595	96.17	ug/ml	99
57) Pyrene	26.12	202	7266313	96.71	ug/ml	97
59) Benzo(a)anthracene	30.00	228	6086896	99.66	ug/ml	100
60) Chrysene	30.18	228	5628052	98.31	ug/ml	100
61) Bis(2-ethylhexyl)phthalate	30.50	149	5507290	93.93	ug/ml	99
62) Di-n-octylphthalate (CCC)	33.03	149	10748341	98.52	ug/ml	100
64) Benzo(b)fluoranthene	34.54	252	6256894	108.69	ug/mlm	100
65) Benzo(k)fluoranthene	34.68	252	4352890	93.68	ug/mlm	100
66) Benzo(a)pyrene (CCC)	36.27	252	4636529	100.19	ug/ml	100
67) Indeno(1,2,3-cd)pyrene	41.05	276	3938905	100.14	ug/ml	96
68) Dibenzo(a,h)anthracene	41.15	278	3267246	100.51	ug/ml	97
69) Benzo(g,h,i)perylene	41.95	276	2995406	96.67	ug/ml	97

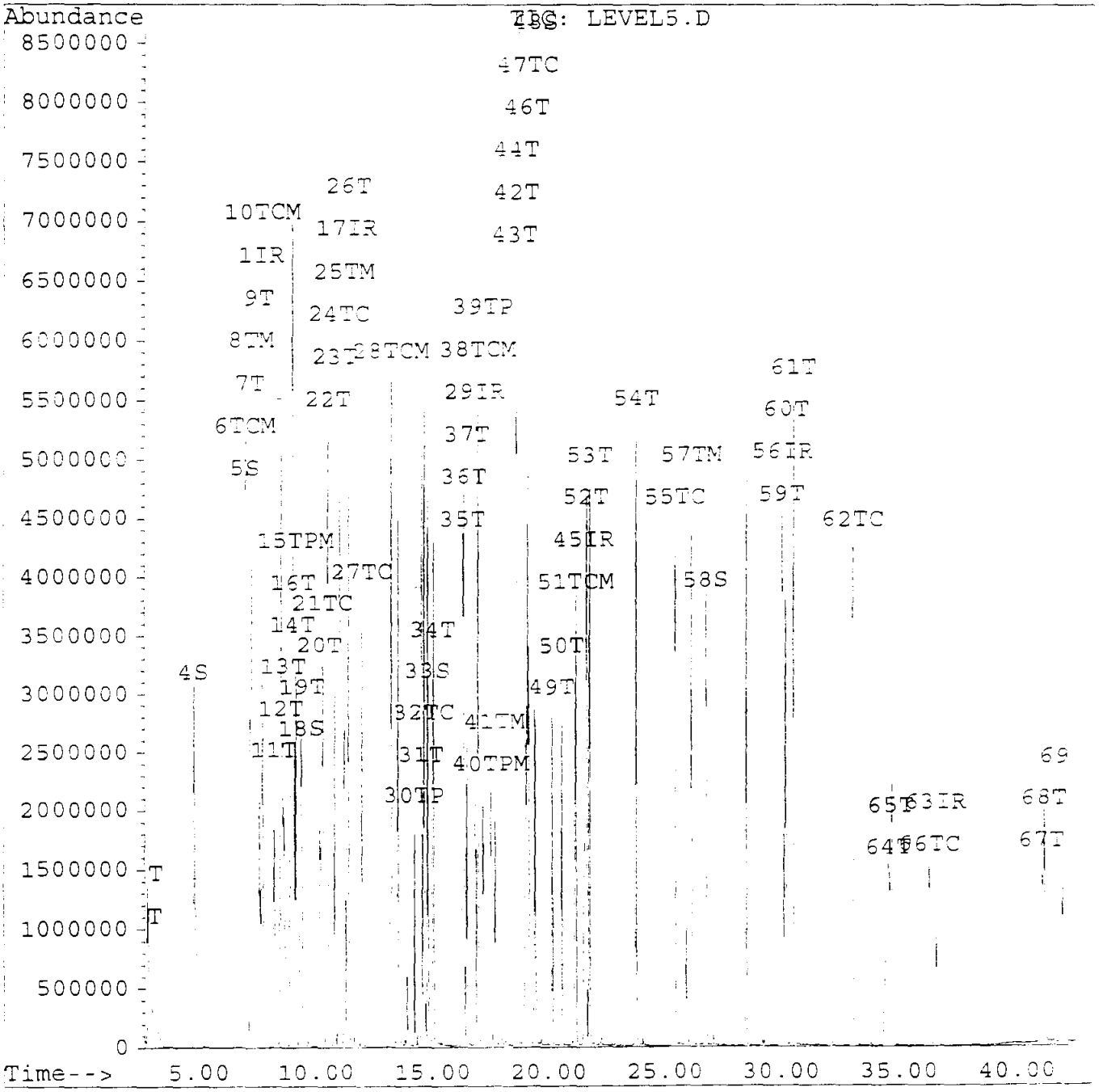
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0814\LEVEL5.D
Acq On : 14 Aug 95 1:11 pm
Sample : LEVEL5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 7:22 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : G:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

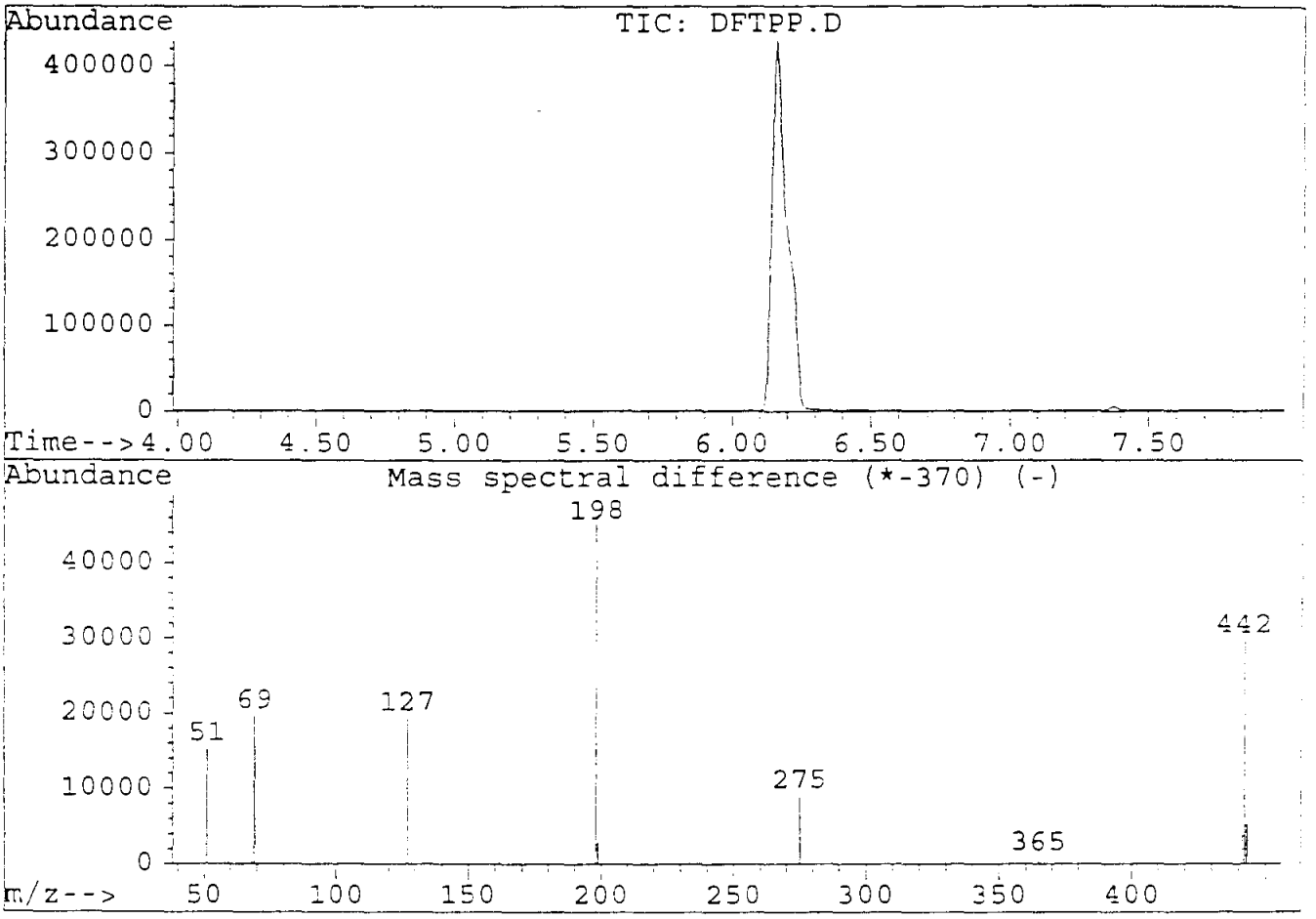


EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0816\DFTPP.D
Acq On : 16 Aug 95 10:17 am
Sample : DFTPP
Misc :

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



Peak Apex is scan: 370

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.5	15195	PASS
68	69	0	2	1.2	236	PASS
69	198	0	100	41.9	19560	PASS
70	69	0	2	0.5	91	PASS
127	198	40	60	41.3	19285	PASS
197	198	0	1	0.3	124	PASS
198	198	100	100	100.0	46722	PASS
199	198	5	9	6.5	3053	PASS
275	198	10	30	19.1	8934	PASS
365	198	1	100	1.5	693	PASS
441	443	0	100	75.9	4019	PASS
442	198	40	100	63.3	29555	PASS
443	442	17	23	17.9	5298	PASS

Response Factor Report 5971- GC/

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Initial Calibration

Calibration Files
1 =LEVEL1.D 2 =LEVEL2.D 3 =LEV3.D
4 =LEVEL4.D 5 =LEVEL5.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	IR	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	S	2-Fluorophenol (SURR)	1.603	1.643	1.734	1.600	1.591	1.6	3.63
3)	S	Phenol-d5 (SURR)	1.997	2.056	2.147	1.980	1.953	2.0	3.81
4)	T	Benzyl alcohol	1.082	1.150	1.217	1.145	1.147	1.1	4.17
5)	IR	Naphthalene-d8	----------ISTD----------						
6)	S	Nitrobenzene-d5 (SURR	0.346	0.359	0.370	0.355	0.348	0.4	2.64
7)	T	2,6-Dichlorophenol	0.307	0.309	0.307	0.288	0.280	0.3	4.47
8)		4 - Chloroaniline	0.488	0.485	0.480	0.437	0.421	0.5	6.70
9)	T	2-Methylnaphthalene	0.663	0.680	0.686	0.644	0.645	0.7	2.92
10)	IR	Acenaphthene-d10	----------ISTD----------						
11)	S	2-Fluorobiphenyl (SUR	1.469	1.490	1.473	1.419	1.360	1.4	3.68
12)	T	2-Nitroaniline	0.335	0.375	0.388	0.391	0.380	0.4	6.06
13)	T	3-Nitroaniline	0.390	0.430	0.468	0.463	0.462	0.4	7.48
14)	T	Dibenzofuran	1.838	1.840	1.852	1.750	1.736	1.8	3.08
15)	T	2,3,4,6-Tetrachloroph	0.269	0.314	0.328	0.314	0.309	0.3	7.26
16)	T	4-Nitroaniline	0.321	0.375	0.400	0.414	0.426	0.4	10.75
17)	S	2,4,6-Tribromophenol	0.170	0.193	0.202	0.193	0.189	0.2	6.16
18)	IR	Chrysene-d12	----------ISTD----------						
19)	S	p-Terphenyl-d14 (SURR	1.051	1.068	1.088	1.029	0.999	1.0	3.30
20)	T	3,3-Dimethylbenzidine	0.684	0.667	0.606	0.547	0.587	0.6	9.21

(#) = Out of Range

001528

Data File : C:\HPCHEM\1\DATA\0816\LEVEL1.D
Acq On : 16 Aug 95 11:35 am
Sample : LEVEL1 10 - 20 ug/ml)
Misc : Sloss Industries soils
Quant Time: Nov 16 10:20 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	827302	40.00	ug/ml	-0.03
5) Naphthalene-d8	11.26	136	3166769	40.00	ug/ml	-0.03
10) Acenaphthene-d10	16.79	164	1429971	40.00	ug/ml	-0.02
18) Chrysene-d12	29.96	240	1444402	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.75	112	663255	20.09	ug/ml	10.04%
3) Phenol-d5 (SURR)	6.82	99	826062	20.34	ug/ml	10.17%
6) Nitrobenzene-d5 (SURROGATE	9.23	82	274252	9.79	ug/ml	9.79%
11) 2-Fluorobiphenyl (SURROGAT	14.71	172	525142	10.37	ug/ml	10.37%
17) 2,4,6-Tribromophenol (SURR	19.31	330	121645	18.37	ug/ml	9.19%
19) p-Terphenyl-d14 (SURROGATE	26.68	244	379371	10.00	ug/ml	10.00%
Target Compounds						Qvalue
4) Benzyl alcohol	8.07	108	223712	9.72	ug/ml	100
7) 2,6-Dichlorophenol	11.59	162	486011	20.33	ug/ml	98
8) 4 - Chloroaniline	11.59	127	386428	10.66	ug/ml	100
9) 2-Methylnaphthalene	13.44	142	524582	9.74	ug/ml	99
12) 2-Nitroaniline	15.43	65	119703	9.17	ug/ml	97
13) 3-Nitroaniline	16.76	138	139379	9.08	ug/ml	64
14) Dibenzofuran	17.38	168	657100	10.38	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	17.94	232	192262	17.73	ug/ml	100
16) 4-Nitroaniline	18.73	138	114718	8.43	ug/ml	97
20) 3,3-Dimethylbenzidine	28.24	212	247095	11.14	ug/ml	99

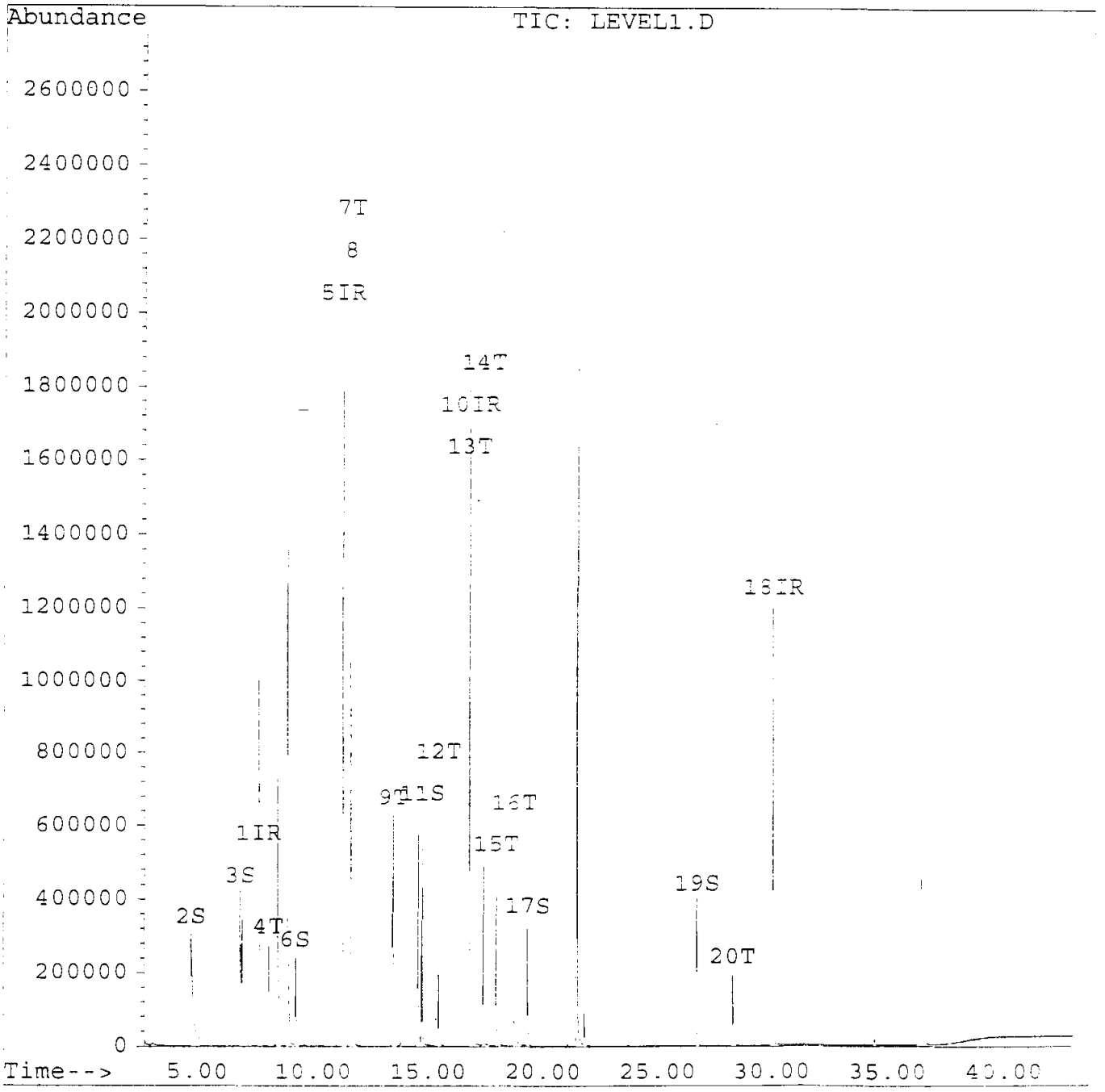
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL1.D
Acq On : 16 Aug 95 11:35 am
Sample : LEVEL1 10 - 20 ug/ml)
Misc : Sloss Industries soils
Quant Time: Nov 16 10:20 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response_via : Multiple Level Calibration



001530

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL2.D
Acq On : 16 Aug 95 12:24 pm
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:19 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	795909	40.00	ug/ml	0.00
5) Naphthalene-d8	11.28	136	3141784	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.81	164	1445654	40.00	ug/ml	0.00
18) Chrysene-d12	29.99	240	1475682	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.78	112	1961648	63.70	ug/ml	31.85%
3) Phenol-d5 (SURR)	6.87	99	2453998	65.04	ug/ml	32.52%
6) Nitrobenzene-d5 (SURROGATE	9.27	82	846133	30.58	ug/ml	30.58%
11) 2-Fluorobiphenyl (SURROGAT	14.74	172	1615490	32.01	ug/ml	32.01%
17) 2,4,6-Tribromophenol (SURR	19.34	330	418371	63.92	ug/ml	31.96%
19) p-Terphenyl-d14 (SURROGATE	26.70	244	1182268	30.25	ug/ml	30.25%
Target Compounds						Qvalue
4) Benzyl alcohol	8.12	108	686324	32.02	ug/ml	99
7) 2,6-Dichlorophenol	11.63	162	1455860	60.07	ug/ml	99
8) 4 - Chloroaniline	11.62	127	1143824	31.65	ug/ml	99
9) 2-Methylnaphthalene	13.47	142	1601805	29.12	ug/ml	100
12) 2-Nitroaniline	15.47	65	407128	31.67	ug/ml	99
13) 3-Nitroaniline	16.80	138	466710	30.81	ug/ml	94
14) Dibenzofuran	17.41	168	1995402	31.65	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	17.97	232	680262	63.39	ug/ml	97
16) 4-Nitroaniline	18.74	138	406736	29.92	ug/ml	99
20) 3,3-Dimethylbenzidine	28.25	212	738394	32.84	ug/ml	100

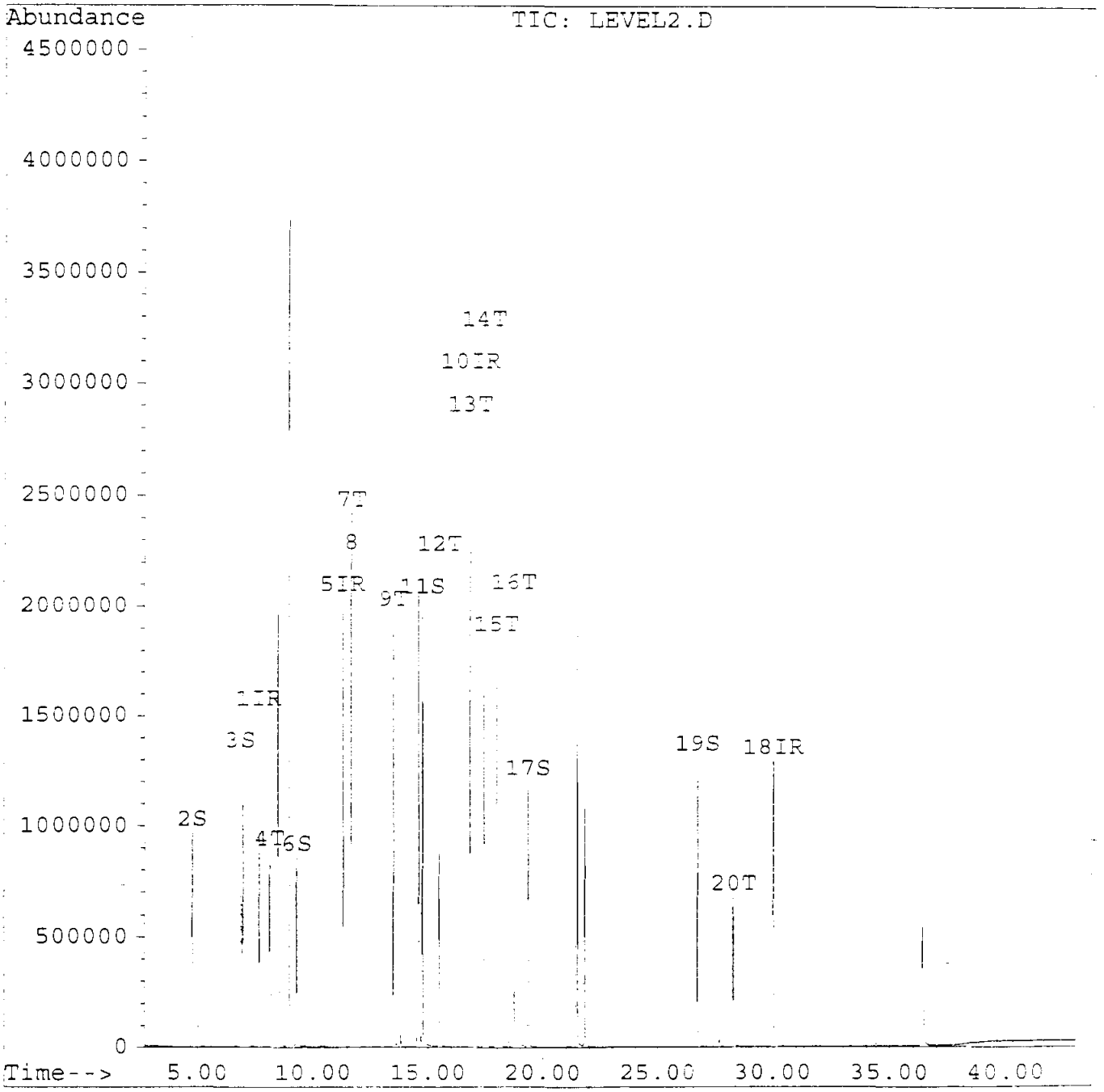
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL2.D
Acq On : 16 Aug 95 12:24 pm
Sample : LEVEL2 30 - 60 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:19 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEV3.D
Acq On : 16 Aug 95 1:13 pm
Sample : LEV3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:18 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	815069	40.00	ug/ml	0.00
5) Naphthalene-d8	11.29	136	3282189	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.81	164	1544302	40.00	ug/ml	0.00
18) Chrysene-d12	29.98	240	1641101	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.79	112	3533867	115.77	ug/ml	57.88%
3) Phenol-d5 (SURR)	6.90	99	4375017	122.96	ug/ml	61.48%
6) Nitrobenzene-d5 (SURROGATE	9.30	82	1516260	49.36	ug/ml	49.36%
11) 2-Fluorobiphenyl (SURROGAT	14.76	172	2842805	47.14	ug/ml	47.14%
17) 2,4,6-Tribromophenol (SURR	19.36	330	778450	101.18	ug/ml	50.59%
19) p-Terphenyl-d14 (SURROGATE	26.72	244	2231685	44.77	ug/ml	44.77%
Target Compounds						Qvalue
4) Benzyl alcohol	8.14	108	1239988	58.56	ug/ml	99
7) 2,6-Dichlorophenol	11.64	162	2515051	95.71	ug/ml	100
8) 4 - Chloroaniline	11.65	127	1969851	62.97	ug/ml	95
9) 2-Methylnaphthalene	13.49	142	2813474	47.49	ug/ml	100
12) 2-Nitroaniline	15.49	65	748379	56.60	ug/ml	100
13) 3-Nitroaniline	16.83	138	903849	54.07	ug/ml	99
14) Dibenzofuran	17.43	168	3575005	53.59	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	18.00	232	1265825	111.90	ug/ml	100
16) 4-Nitroaniline	18.77	138	772797	54.07	ug/ml	99
20) 3,3-Dimethylbenzidine	28.27	212	1242656	46.62	ug/ml	99

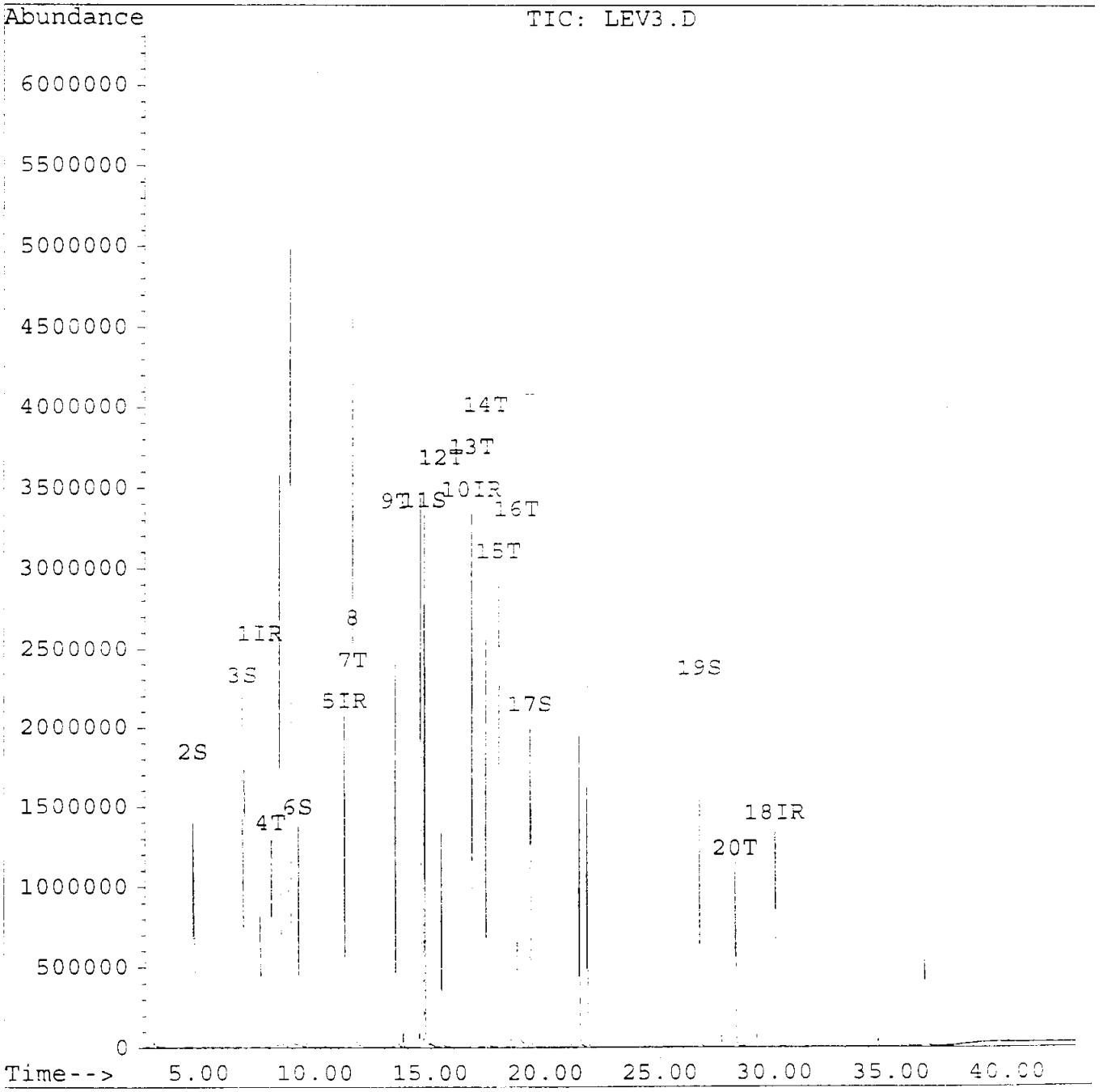
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEV3.D
Acq On : 16 Aug 95 1:13 pm
Sample : LEV3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:18 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration



001531

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL4.D
Acq On : 16 Aug 95 2:02 pm
Sample : LEVEL4 70 - 140 ul/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:19 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	948539	40.00	ug/ml	0.01
5) Naphthalene-d8	11.29	136	3672563	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.82	164	1679216	40.00	ug/ml	0.01
18) Chrysene-d12	30.00	240	1705895	40.00	ug/ml	0.02
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.80	112	5310775	148.95	ug/ml	74.47%
3) Phenol-d5 (SURR)	6.92	99	6573145	150.69	ug/ml	75.34%
6) Nitrobenzene-d5 (SURROGATE	9.34	82	2284336	70.86	ug/ml	70.86%
11) 2-Fluorobiphenyl (SURROGAT	14.78	172	4171368	71.58	ug/ml	71.58%
17) 2,4,6-Tribromophenol (SURR	19.38	330	1131850	150.68	ug/ml	75.34%
19) p-Terphenyl-d14 (SURROGATE	26.74	244	3070904	66.97	ug/ml	66.97%
Target Compounds						Qvalue
4) Benzyl alcohol	8.18	108	1901406	76.92	ug/ml	100
7) 2,6-Dichlorophenol	11.66	162	3696800	125.45	ug/ml	100
8) 4 - Chloroaniline	11.68	127	2809744	64.28	ug/ml	100
9) 2-Methylnaphthalene	13.51	142	4137353	62.36	ug/ml	100
12) 2-Nitroaniline	15.52	65	1149237	80.06	ug/ml	100
13) 3-Nitroaniline	16.86	138	1360778	79.55	ug/ml	98
14) Dibenzofuran	17.45	168	5141752	70.96	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	18.02	232	1845142	150.22	ug/ml	100
16) 4-Nitroaniline	18.82	138	1217347	78.36	ug/ml	100
20) 3,3-Dimethylbenzidine	28.29	212	1633059	60.35	ug/ml	100

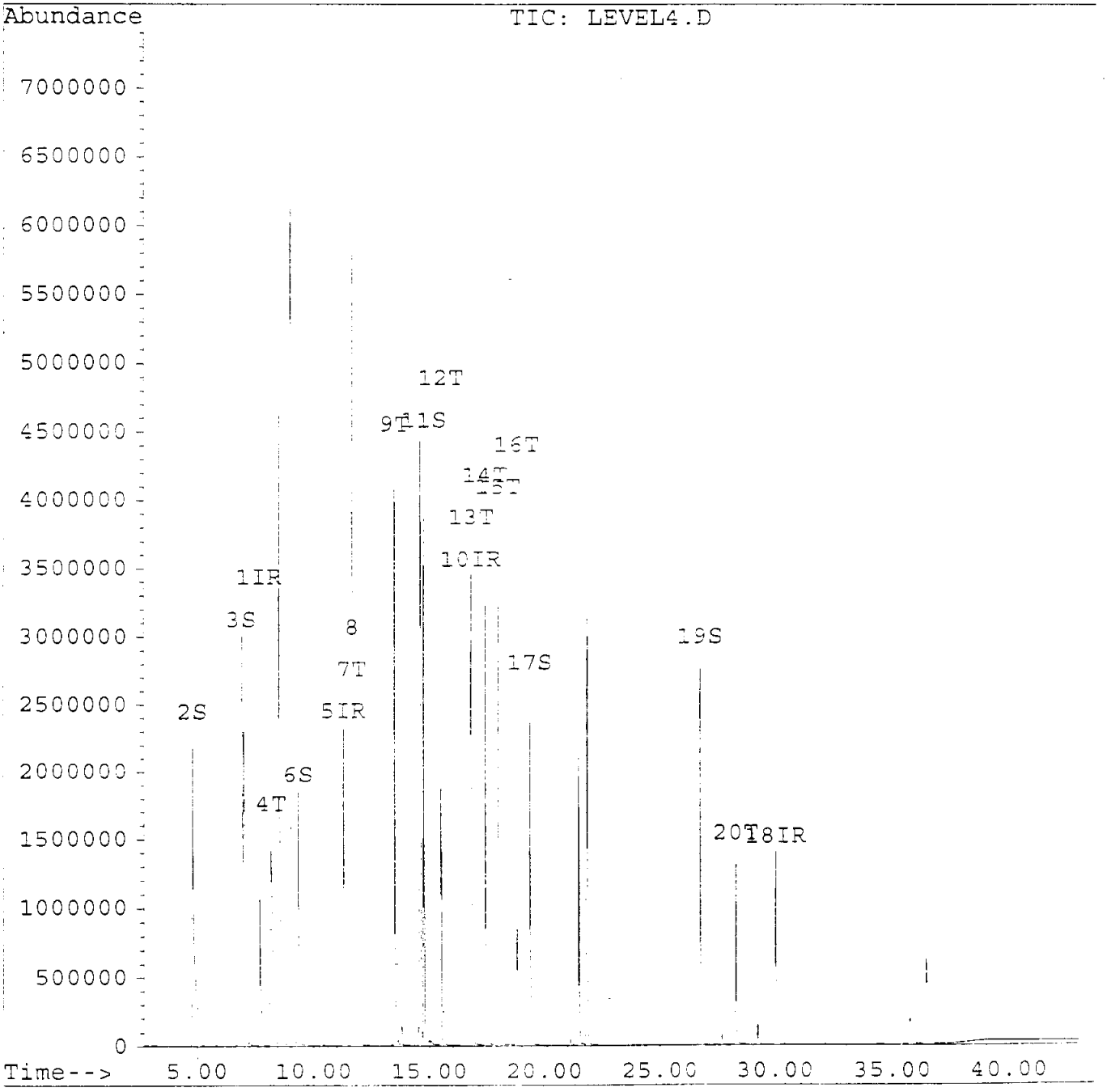
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL4.D
Acq On : 16 Aug 95 2:02 pm
Sample : LEVEL4 70 - 140 ul/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:19 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration



001536

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL5.D Vial: 5
Acq On : 16 Aug 95 2:51 pm Operator: LAW
Sample : LEVEL5 100 - 200 ug/ml Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 1.00
Quant Time: Nov 16 10:18 1995

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	850884	40.00	ug/ml	0.01
5) Naphthalene-d8	11.30	136	3321868	40.00	ug/ml	0.01
10) Acenaphthene-d10	16.82	164	1572689	40.00	ug/ml	0.01
18) Chrysene-d12	30.01	240	1684241	40.00	ug/ml	0.03
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.81	112	6768341	211.60	ug/ml	105.80%
3) Phenol-d5 (SURR)	6.94	99	8309491	212.34	ug/ml	106.17%
6) Nitrobenzene-d5 (SURROGATE	9.36	82	2888218	99.02	ug/ml	99.02%
11) 2-Fluorobiphenyl (SURROGAT	14.79	172	5345415	97.90	ug/ml	97.90%
17) 2,4,6-Tribromophenol (SURR	19.40	330	1487080	211.07	ug/ml	105.53%
19) p-Terphenyl-d14 (SURROGATE	26.74	244	4206309	93.00	ug/ml	93.00%
Target Compounds						Qvalue
4) Benzyl alcohol	8.20	108	2440404	110.37	ug/ml	100
7) 2,6-Dichlorophenol	11.66	162	4647472	174.52	ug/ml	100
8) 4 - Chloroaniline	11.70	127	3497963	88.57	ug/ml	99
9) 2-Methylnaphthalene	13.52	142	5354042	89.29	ug/ml	100
12) 2-Nitroaniline	15.53	65	1495781	111.09	ug/ml	99
13) 3-Nitroaniline	16.88	138	1817770	106.83	ug/ml	95
14) Dibenzofuran	17.47	168	6825283	100.59	ug/ml	100
15) 2,3,4,6-Tetrachlorophenol	18.03	232	2429705	211.04	ug/ml	100
16) 4-Nitroaniline	18.84	138	1673959	115.03	ug/ml	100
20) 3,3-Dimethylbenzidine	28.29	212	2471704	99.97	ug/ml	99

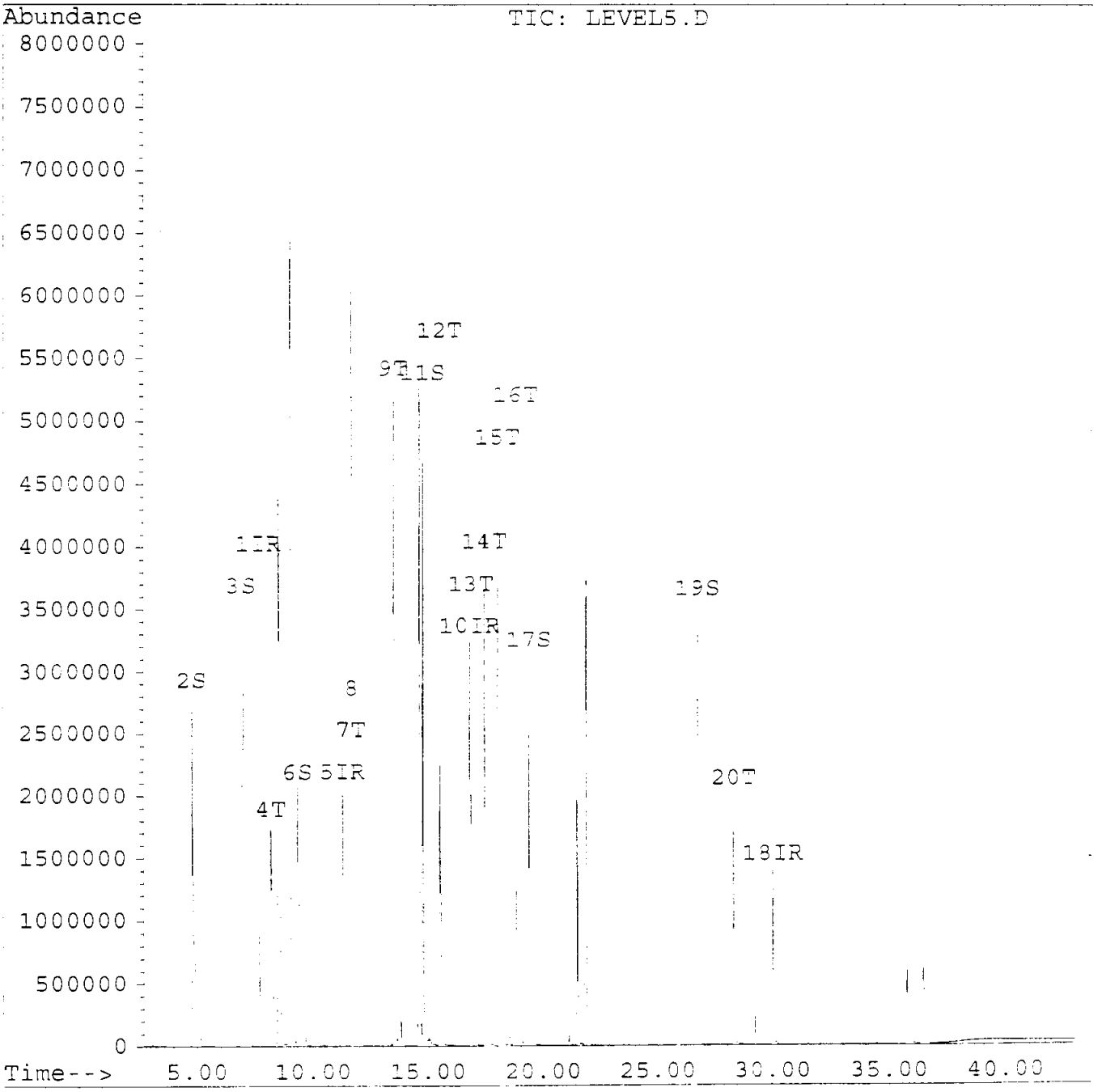
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LEVEL5.D
Acq On : 16 Aug 95 2:51 pm
Sample : LEVEL5 100 - 200 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 10:18 1995

Vial: 5
Operator: LAW
Inst : 5971- GC
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLOSS16C.M
Title : EPA METHOD
Last Update : Thu Nov 16 10:21:14 1995.
Response via : Multiple Level Calibration

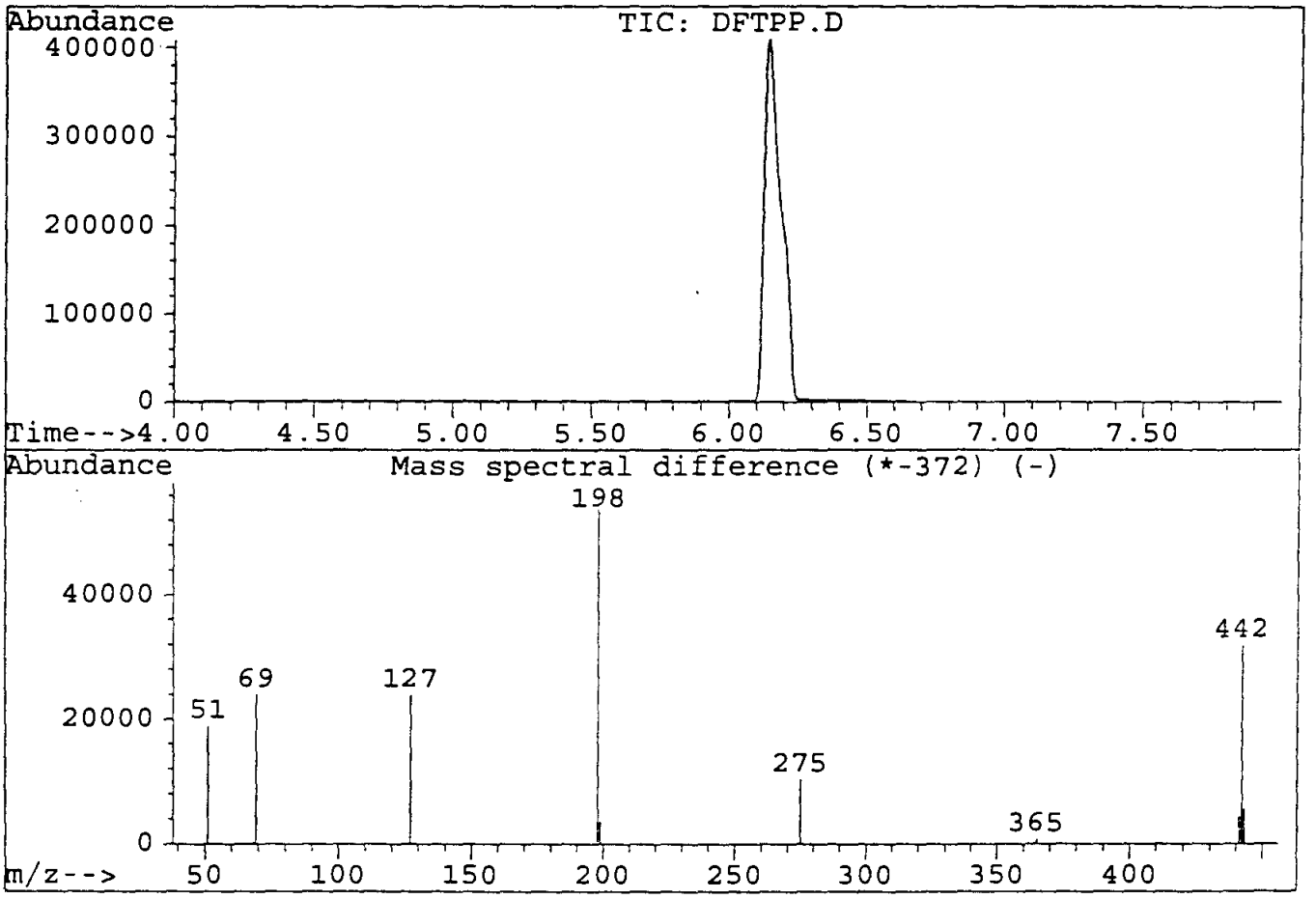


EPA625 DFTPP

Data File : C:\HPCHEM\1\DATA\0815\DFTPP.D
Acq On : 15 Aug 95 8:24 am
Sample : DFTPP
Misc :

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title :



Peak Apex is scan: 372

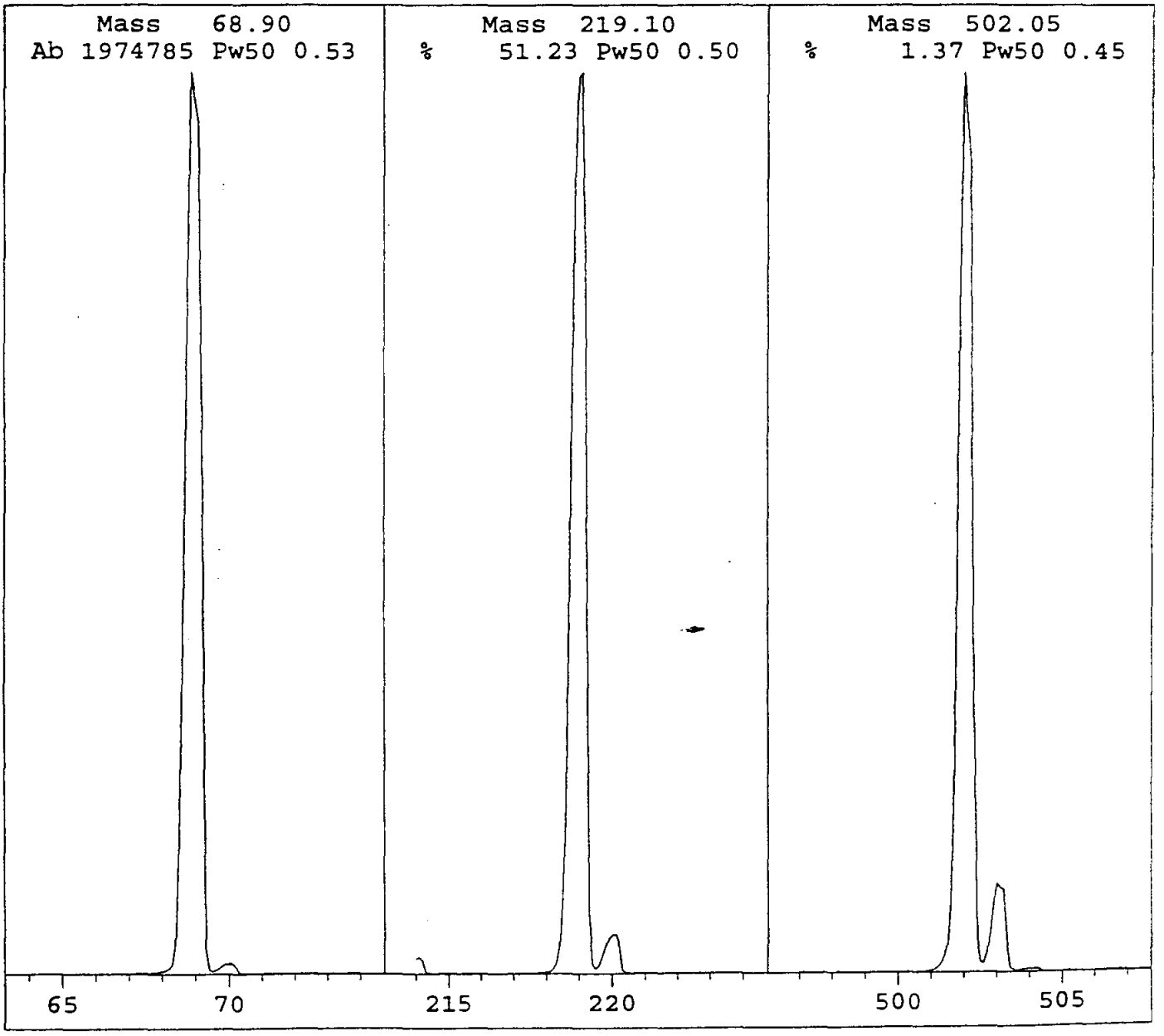
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.2	18902	PASS
68	69	0	2	1.1	271	PASS
69	198	0	100	43.3	23947	PASS
70	69	0	2	0.3	79	PASS
127	198	40	60	43.2	23914	PASS
197	198	0	1	0.3	139	PASS
198	198	100	100	100.0	55313	PASS
199	198	5	9	6.5	3613	PASS
275	198	10	30	18.7	10317	PASS
365	198	1	100	1.4	792	PASS
441	443	0	100	76.4	4311	PASS
442	198	40	100	57.3	31690	PASS
443	442	17	23	17.8	5641	PASS

DFTPP.D DFTPP.M Tue Aug 15 08:31:37 1995

Instrument: 5971- GC/MS1
Tue Aug 15 08:21:53 1995 C:\HPCHEM\1\5971\ATUNE.U

EMVolts	1565	AmuGain	499
Xray	47.0	AmuOffs	73
Emission	ON	Wid219	-0.057
MS Temp	173	TTI	OFF
Vacuum	25	DC Pol	NEG
Samples	16	Repeller	17.62
Averages	1	IonFocus	34.0
StepSize	0.10	EntLens	0.00
MassGain	167	EntOffs	VAR
MassOffs	2	Filament	2

PFTBA OPEN

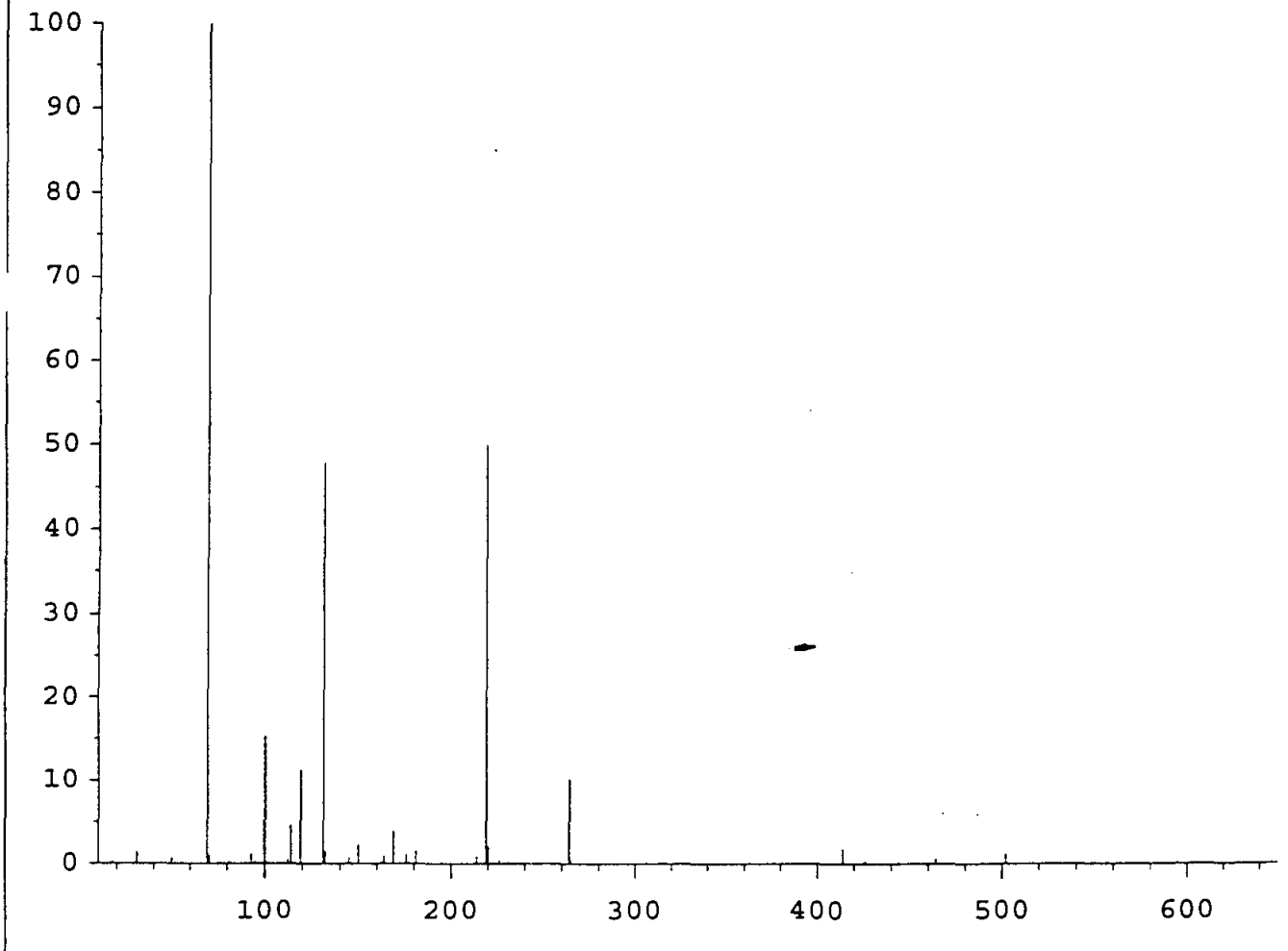


Instrument: 5971- GC/MS1
Tue Aug 15 08:21:31 1995 C:\HPCHEM\1\5971\ATUNE.U

EMVolts	1565	AmuGain	499
Xray	47.0	AmuOffs	73
Emission	ON	Wid219	-0.057
MS Temp	171	TTI	OFF
Vacuum	24	DC Pol	NEG
Samples	16	Repeller	17.62
Averages	1	IonFocus	34.0
StepSize	0.10	EntLens	0.00
MassGain	167	EntOffs	VAR
MassOffs	2	Filament	2

PFTBA OPEN

Scan: 10.00 - 650.00 Samples: 16 Thresh: 150 Step: 0.10
132 peaks Base: 69.05 Abundance: 1594368



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	1594368	100.00	70.05	16880	1.06
219.00	797120	50.00	220.00	34216	4.29
502.05	20440	1.28	503.05	2124	10.39

Method 8270 System Performance Check Compounds
And Internal Standard Checks

DATE: 11/16/95

System Performance Check Compounds

Compound		Area	RF
Nitroso - di - n - Propylamine	50	1059769	0.8386
xachlorocyclopentadiene	50	435575	0.1924
4 - Dinitrophenol	100	853710	0.1886
Nitrophenol	100	1614779	0.3567

e RF must be greater than 0.050.

Internal Standard Checks

t. Std.	Conc.	Area	% of Calib
chlorobenzene - d4	40	1010939	112.3
aphthalene - d8	40	3894048	111.5
cenaphthene - d10	40	1810842	111.2
henathrene - d10	40	2654572	113.6
hrysene - d12	40	2050384	112.3
erylene - d12	40	1784949	116.6

nternal Standards must be 50 - 200 % of current calibration

Area of Int. Std. from Current Calibration Table	Area
Dichlorobenzene - d4	900222
Naphthalene - d2	3492916
Acenaphthene - d10	1628678
Phenathrene - d10	2336204
Chrysene - d12	1825975
Perylene - d12	1530629

Method 8270 Continuing Calibration Checks (CCCs)

Date: 11/16/95

Compound	CCC Standard Concentration (ug/ml)	CCC Measured Concentration (ug/ml)	% DRIFT
Phenol	100	100.0	0.05
1,4-Dichlorobenzene	50	47.8	4.36
2 - Nitrophenol	100	100.3	0.28
2,4 - Dichlorophenol	100	97.7	2.28
Hexachlorobutadiene	50	47.1	5.84
4-Chloro-3-Methylphenol	100	97.6	2.43
2,4,6-Trichlorophenol	100	99.7	0.27
Acenaphthene	50	50.3	0.50
N - Nitrosodiphenylamine	50	48.9	2.28
Pentachlorophenol	100	103.5	3.47
Fluoranthene	50	49.3	1.42
Di - N - Octyl Phthalate	50	51.5	3.00
Benzo (A) Pyrene	50	50.1	0.10

DRIFT FOR EACH CCC MUST BE LESS THAN OR EQUAL TO 20 PERCENT

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\LEVEL3.D
Acq On : 15 Aug 95 8:37 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 6:46 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1010939	40.00	ug/ml	-0.01
17) Naphthalene-d8	11.27	136	3894048	40.00	ug/ml	0.00
29) Acenaphthene-d10	16.79	164	1810842	40.00	ug/ml	0.00
45) Phenanthrene-d10	21.46	188	2654572	40.00	ug/ml	0.00
56) Chrysene-d12	29.99	240	2050384	40.00	ug/ml	0.00
63) Perylene-d12	36.45	264	1784949	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol (SURR)	4.76	112	3916143	98.33	ug/ml	49.16%
5) Phenol-d5 (SURR)	6.86	99	4756356	99.74	ug/ml	49.87%
18) Nitrobenzene-d5 (SURROGATE	9.27	82	1659695	49.60	ug/ml	49.60%
33) 2-Fluorobiphenyl (SURROGAT	14.73	172	2991121	48.63	ug/ml	48.63%
48) 2,4,6-Tribromophenol (SURR	19.34	330	693901	90.97	ug/ml	45.49%
58) p-Terphenyl-d14 (SURROGATE	26.68	244	2453192	49.97	ug/ml	49.97%
Target Compounds						Qvalue
2) Pyridine	2.79	79	1826287	49.95	ug/ml	98
3) N-Nitrosodimethylamine	2.85	42	665966	52.78	ug/ml	100
6) Phenol (CCC)	6.90	94	4972855	99.95	ug/ml	100
7) Bis(2-chloroethyl)ether	7.11	93	2111894	49.66	ug/ml#	48
8) 2-Chlorophenol	7.19	128	4223620	99.14	ug/ml	99
9) 1,3-Dichlorobenzene	7.54	146	1724017	49.58	ug/ml	94
10) 1,4-Dichlorobenzene (CCC)	7.67	146	2144414	47.92	ug/ml	99
11) 1,2-Dichlorobenzene	8.16	146	1679060	49.03	ug/ml	96
12) o-Cresol	8.46	108	3689483	95.96	ug/ml	99
13) Bis(2-chloroisopropyl)ethe	8.55	45	2054075	47.47	ug/ml#	45
14) m,p-Cresol	8.90	107	7820786	193.20	ug/ml	100
15) n-Nitrosodi-n-propylamine(	9.04	70	1059769	49.52	ug/ml	100
16) Hexachloroethane	8.99	117	656330	50.85	ug/ml	98
19) Nitrobenzene	9.33	77	1655833	48.82	ug/ml	91
20) Isophorone	10.03	82	3679205	48.98	ug/ml	99
21) 2-Nitrophenol (CCC)	10.23	139	2315843	100.28	ug/ml	100
22) 2,4-Dimethylphenol	10.42	122	2634549	77.83	ug/ml	99
23) Bis(2-chloroethoxy)methane	10.73	93	2359580	49.74	ug/ml	98
24) 2,4-Dichlorophenol (CCC)	10.92	162	2695687	97.72	ug/ml	97
25) 1,2,4-Trichlorobenzene	11.16	180	1393216	48.95	ug/ml	97
26) Naphthalene	11.33	128	4836111	47.92	ug/ml	100
27) Hexachlorobutadiene (CCC)	11.91	225	669019	47.08	ug/ml	98
28) 4-Chloro-3-methylphenol(CC	13.16	107	2882277	97.57	ug/ml	98
30) Hexachlorocyclopentadiene(	14.18	237	435575	59.14	ug/ml	99
31) 2,4,5-Trichlorophenol	14.46	196	1702971	98.63	ug/ml	100
32) 2,4,6-Trichlorophenol (CCC	14.57	196	1807866	99.73	ug/ml	100
34) 2-Chloronaphthalene	14.97	162	2449074	48.77	ug/ml	95
35) Dimethylphthalate	16.23	163	3137433	49.87	ug/ml	10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\LEVEL3.D
Acq On : 15 Aug 95 8:37 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 6:46 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Acenaphthylene	16.28	152	4506384	51.01	ug/ml	100
37)	2,6-Dinitrotoluene	16.41	165	772580	51.66	ug/ml	97
38)	Acenaphthene (CCC)	16.89	154	2541232	50.25	ug/ml	99
39)	2,4-Dinitrophenol (SPCC)	17.10	184	853710	124.26	ug/ml	99
40)	4-Nitrophenol (SPCC)	17.43	139	1614779	102.68	ug/ml	100
41)	2,4-Dinitrotoluene	17.61	165	1027485	52.91	ug/ml	95
42)	Diethylphthalate	18.52	149	3106669	49.91	ug/ml	96
43)	Fluorene	18.50	166	2926050	50.21	ug/ml	99
44)	4-Chlorophenyl phenyl ethe	18.56	204	1254806	49.13	ug/ml	99
46)	4,6-Dinitro-2-methylphenol	18.92	198	1272453	119.31	ug/ml	97
47)	N-Nitrosodiphenylamine (CC	19.01	169	1987749	48.86	ug/ml	99
49)	4-Bromophenyl phenyl ether	20.10	248	592858	47.19	ug/ml	99
50)	Hexachlorobenzene	20.51	284	695318	47.37	ug/ml	99
51)	Pentachlorophenol (CCC)	21.11	266	1051781	103.47	ug/ml	100
52)	Phenanthrene	21.54	178	3828693	48.44	ug/ml	99
53)	Anthracene	21.68	178	3845428	48.26	ug/ml	100
54)	Di-n-butylphthalate	23.69	149	5422394	49.30	ug/ml	99
55)	Fluoranthene (CCC)	25.35	202	3918682	49.29	ug/ml	100
57)	Pyrene	26.05	202	3952202	49.89	ug/ml	99
59)	Benzo(a)anthracene	29.92	228	3237230	50.21	ug/ml	100
60)	Chrysene	30.08	228	2955936	48.92	ug/ml	99
61)	Bis(2-ethylhexyl)phthalate	30.44	149	3067157	49.62	ug/ml	97
62)	Di-n-octylphthalate (CCC)	32.93	149	5920835	51.50	ug/ml	100
64)	Benzo(b)fluoranthene	34.38	252	2983027	45.06	ug/mlm	0
65)	Benzo(k)fluoranthene	34.54	252	2791638	40.11	ug/mlm	100
66)	Benzo(a)pyrene (CCC)	36.11	252	2497362	50.05	ug/ml	98
67)	Indeno(1,2,3-cd)pyrene	40.96	276	2192158	51.68	ug/ml	78
68)	Dibenzo(a,h)anthracene	41.06	278	1784980	50.95	ug/ml	98
69)	Benzo(g,h,i)perylene	41.84	276	1712504	51.23	ug/ml	100

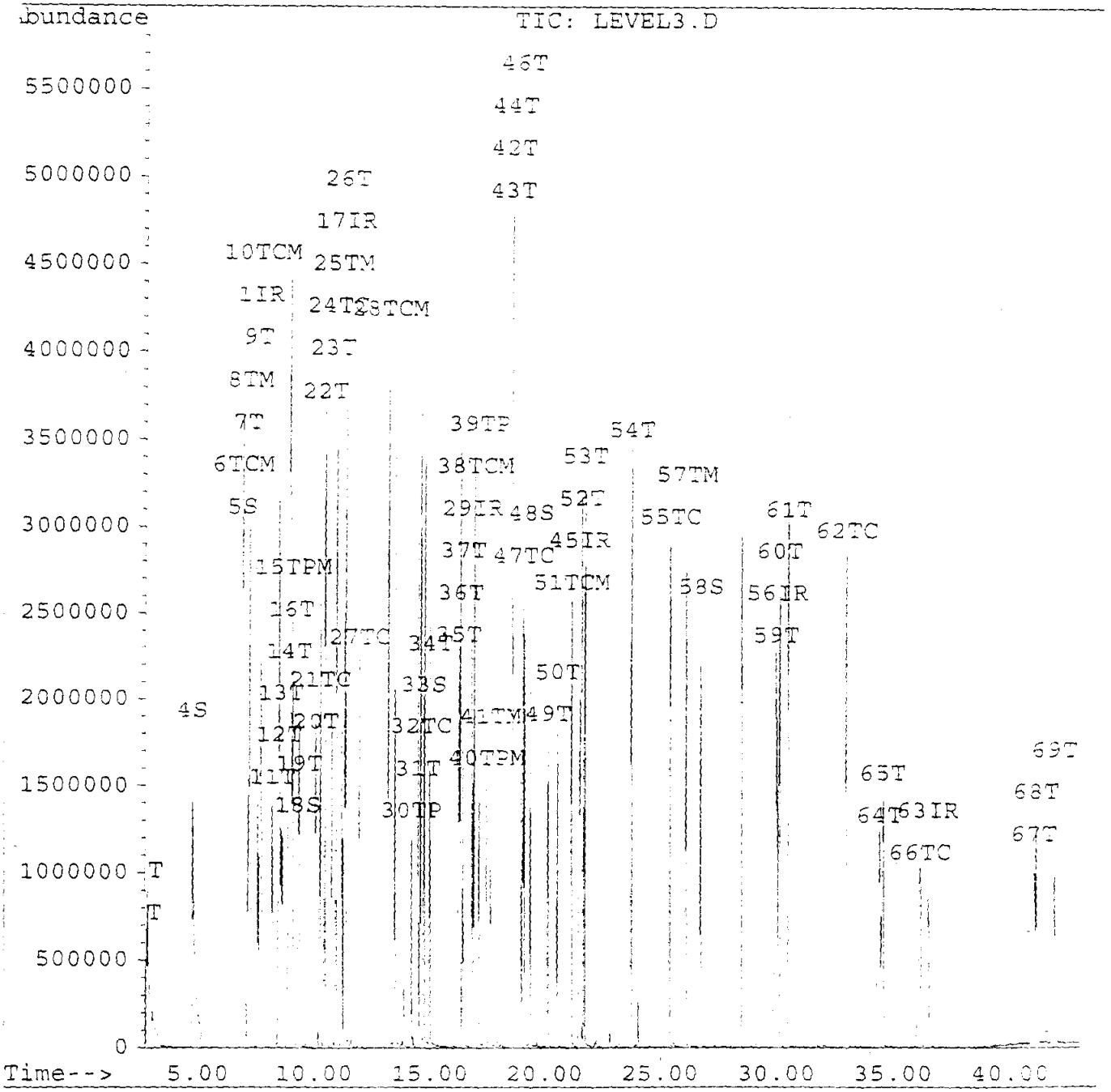
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\LEVEL3.D
Acq On : 15 Aug 95 8:37 am
Sample : LEVEL3 50 - 100 ug/ml
Misc : Sloss Industries soils
Quant Time: Nov 16 6:46 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SLO1-15C.M
Title : EPA METHOD
Last Update : Thu Nov 16 07:08:42 1995
Response via : Multiple Level Calibration



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : Blank
Control No.: LRB815.
Prep Date: 7/21/95

Semi-Volatile Organic Compounds
Method 8270
Analyist: Joseph F. Schultz 15-Aug-95 9:58PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	330	330
Acenaphthylene	<	330	330
Anthracene	<	330	330
Benzo(a)anthracene	<	330	330
Benzo(b)fluoranthene	<	330	330
Benzo(k)fluoranthene	<	330	330
Benzo(g,h,i)perylene	<	330	330
Benzo(a)pyrene	<	330	330
Benzyl alcohol	<	330	330
bis(2-Chloroethoxy)methane	<	330	330
bis(2-Chloroethyl)ether	<	330	330
bis(2-Chloroisopropyl)ether	<	330	330
bis(2-Ethylhexyl)phthalate	<	330	330
4-Bromophenyl phenyl ether	<	330	330
p-Chloroaniline	<	660	660
4-Chloro-3-methylphenol	<	330	330
2-Chloronaphthalene	<	330	330
2-Chlorophenol	<	330	330
4-Chlorophenylphenyl ether	<	330	330
Chrysene	<	330	330
Dibenz(a,h)anthracene	<	330	330
Dibenzofuran	<	330	330
Di-n-butylphthalate	<	330	330
1,2-Dichlorobenzene	<	330	330
1,3-Dichlorobenzene	<	330	330
1,4-Dichlorobenzene	<	330	330
2,4-Dichlorophenol	<	330	330
2,6-Dichlorophenol	<	330	330
Diethylphthalate	<	330	330
3,3'-Dimethylbenzidine	<	1700	1700
2,4-Dimethylphenol	<	330	330
Dimethylphthalate	<	330	330
2,4-Dinitrophenol	<	1700	1700

2,4-Dinitrotoluene	<	330	330
2,6-Dinitrotoluene	<	330	330
Di-n-octylphthalate	<	330	330
Fluoranthene	<	330	330
Fluorene	<	330	330
Hexachlorobenzene	<	330	330
Hexachlorobutadiene	<	330	330
Hexachlorocyclopentadiene	<	330	330
Hexachloroethane	<	330	330
Indeno(1,2,3-cd)pyrene	<	330	330
Isophorone	<	330	330
2-Methyl-4,6-dinitrophenol	<	1700	1700
2-Methylnaphthalene	<	330	330
2-Methylphenol (o-cresol)	<	330	330
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	330	330
Naphthalene	<	330	330
2-Nitroaniline	<	1700	1700
3-Nitroaniline	<	1700	1700
4-Nitroaniline	<	1700	1700
Nitrobenzene	<	330	330
2-Nitrophenol	<	330	330
4-Nitrophenol	<	1700	1700
N-Nitrosodimethylamine	<	330	330
n-Nitrosodi-n-propylamine	<	330	330
Pentachlorophenol	<	1700	1700
Phenanthrene	<	330	330
Phenol	<	330	330
Pyrene	<	330	330
Pyridine	<	330	330
2,3,4,6-Tetrachlorophenol	<	1700	1700
1,2,4-Trichlorobenzene	<	330	330
2,4,5-Trichlorophenol	<	1700	1700
2,4,6-Trichlorophenol	<	330	330

Surrogate Recoveries		Range
2-Fluorophenol	70.9 %	25 - 121
Phenol-d5	80.1 %	24 - 113
Nitrobenzene-d5	80.6 %	23 - 120
2-Fluorobiphenyl	80.9 %	30 - 115
2,4,6-Tribromophenol	75.9 %	19 - 122
4-Terphenyl-d14	95.6 %	18 - 137

Approved by: Jerry Hamstead

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\LRBSOIL.D
Acq On : 15 Aug 95 9:58 am
Sample : LRB0815 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 17 8:24 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	937801	40.00 ug/ml	-0.02
17) Naphthalene-d8	11.24	136	3699609	40.00 ug/ml	-0.03
29) Acenaphthene-d10	16.77	164	1699308	40.00 ug/ml	-0.02
45) Phenanthrene-d10	21.45	188	2456610	40.00 ug/ml	-0.02
56) Chrysene-d12	29.97	240	1858321	40.00 ug/ml	-0.03
63) Perylene-d12	36.40	264	1326321	40.00 ug/ml	-0.05
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.93	112	5247401	4729.07 ug/Kg	70.94%
5) Phenol-d5 (SURR)	6.97	99	7104623	5339.60 ug/Kg	80.10%
18) Nitrobenzene-d5 (SURROGATE	9.24	82	2561951	2685.06 ug/Kg	80.56%
33) 2-Fluorobiphenyl (SURROGAT	14.73	172	4687095	2696.25 ug/Kg	80.90%
48) 2,4,6-Tribromophenol (SURR	19.34	330	1073225	5060.58 ug/Kg	75.92%
58) p-Terphenyl-d14 (SURROGATE	26.71	244	4253004	3185.03 ug/Kg	95.56%
Target Compounds					Qvalue
2) Pyridine	2.75	79	1699	1.67 ug/Kg#	19
3) N-Nitrosodimethylamine	2.87	42	198610	551.77 ug/Kg#	[illegible]
6) Phenol (CCC)	6.98	94	14766	10.66 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	7.20	128	8766	7.39 ug/Kg	100
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	8.75	45	2477	2.06 ug/Kg#	100
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine	0.00	70		Not Detected	
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.24	77	5968	6.18 ug/Kg#	16
20) Isophorone	9.94	82	4542	2.12 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.57	122	7376	7.64 ug/Kg#	1
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.29	128	2827	0.98 ug/Kg#	72
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\LRBSOIL.D Vial: 1
Acq On : 15 Aug 95 9:58 am Operator: LAW
Sample : LRB0815 30.0g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.30
Quant Time: Nov 17 8:24 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

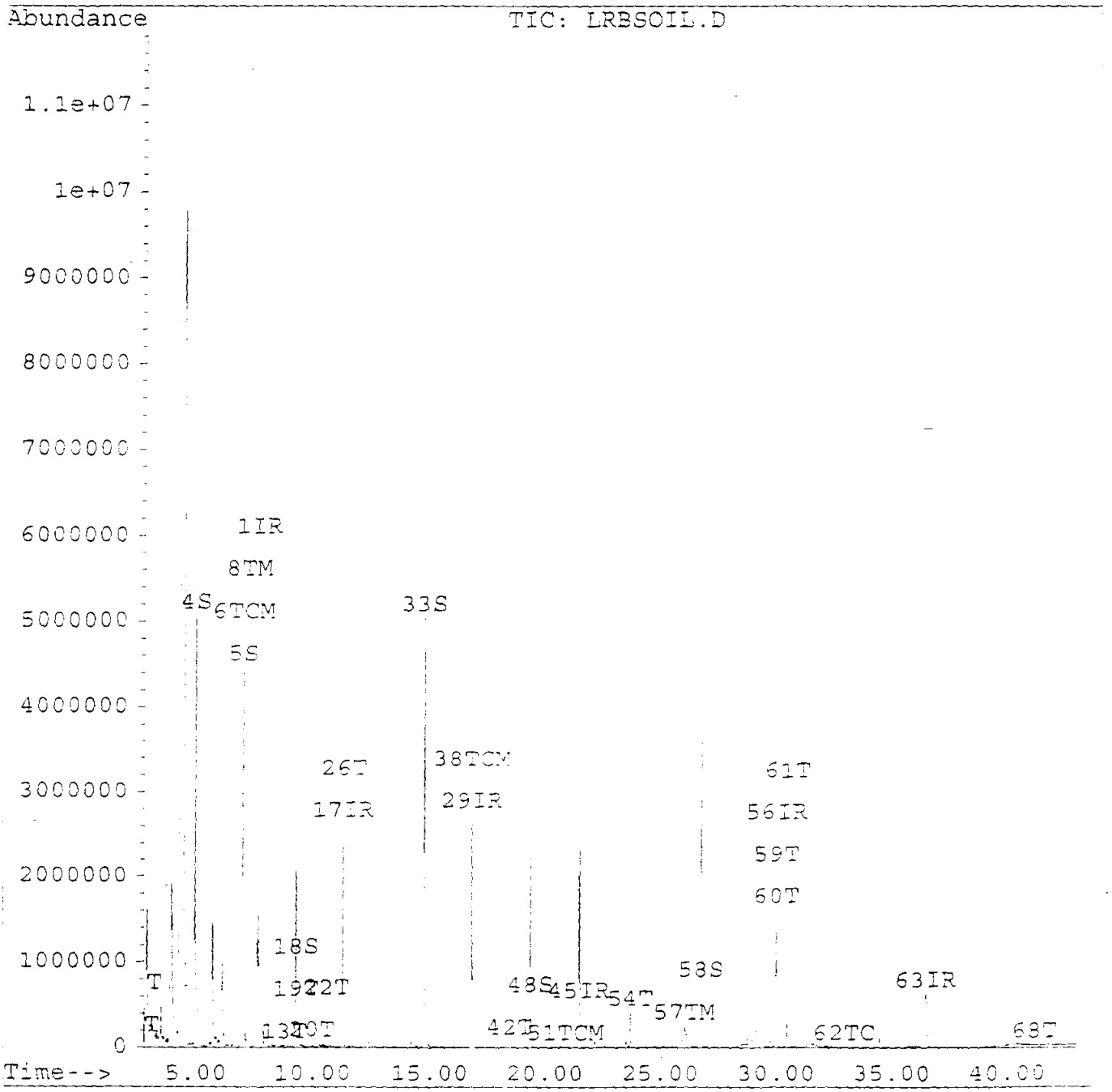
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	0.00	152		Not Detected	
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.77	154	4901	3.44 ug/Kg#	1
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	18.45	149	9983	5.69 ug/Kg	93
43)	Fluorene	0.00	166		Not Detected	
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	0.00	169		Not Detected	
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	20.86	266	1082	3.83 ug/Kg#	19
52)	Phenanthrene	0.00	178		Not Detected	
53)	Anthracene	0.00	178		Not Detected	
54)	Di-n-butylphthalate	23.67	149	547876	179.13 ug/Kg	99
55)	Fluoranthene (CCC)	0.00	202		Not Detected	
57)	Pyrene	26.00	202	2898	1.35 ug/Kg#	59
59)	Benzo(a)anthracene	29.96	228	4193	2.40 ug/Kg#	57
60)	Chrysene	29.96	228	4193	2.56 ug/Kg#	48
61)	Bis(2-ethylhexyl)phthalate	30.42	149	256638	152.72 ug/Kg	99
62)	Di-n-octylphthalate (CCC)	32.88	149	6123	1.96 ug/Kg#	95
64)	Benzo(b)fluoranthene	0.00	252		Not Detected	
65)	Benzo(k)fluoranthene	0.00	252		Not Detected	
66)	Benzo(a)pyrene (CCC)	0.00	252		Not Detected	
67)	Indeno(1,2,3-cd)pyrene	0.00	276		Not Detected	
68)	Dibenzo(a,h)anthracene	41.14	278	1908	2.44 ug/Kg#	43
69)	Benzo(g,h,i)perylene	0.00	276		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0815\LRBSOIL.D
Acq On : 15 Aug 95 9:58 am
Sample : LRB0815 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 17 8:24 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LRBSOIL.D
Acq On : 16 Aug 95 3:40 pm
Sample : LRBSOIL 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 13:53 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	783064	40.00	ug/ml	0.02
5) Naphthalene-d8	11.28	136	2996566	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.81	164	1404418	40.00	ug/ml	0.00
18) Chrysene-d12	29.99	240	1473271	40.00	ug/ml	0.01
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.99	112	4190308	130.97	ug/Kg	65.49%
3) Phenol-d5 (SURR)	7.00	99	5472382	137.94	ug/Kg	68.97%
6) Nitrobenzene-d5 (SURROGATE	9.29	82	1895210	71.14	ug/Kg	71.14%
11) 2-Fluorobiphenyl (SURROGAT	14.76	172	3638807	71.88	ug/Kg	71.88%
17) 2,4,6-Tribromophenol (SURR	19.37	330	990016	149.01	ug/Kg	74.50%
19) p-Terphenyl-d14 (SURROGATE	26.73	244	3053376	79.19	ug/Kg	79.19%
Target Compounds						Qvalue
4) Benzyl alcohol	0.00	108		Not Detected		
7) 2,6-Dichlorophenol	0.00	162		Not Detected		
8) 4-Chloroaniline	0.00	127		Not Detected		
9) 2-Methylnaphthalene	0.00	142		Not Detected		
12) 2-Nitroaniline	0.00	65		Not Detected		
13) 3-Nitroaniline	0.00	138		Not Detected		
14) Dibenzofuran	0.00	168		Not Detected		
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	18.85	138	5339	13.08	ug/Kg#	11
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected		

(#) = qualifier out of range (m) = manual integration

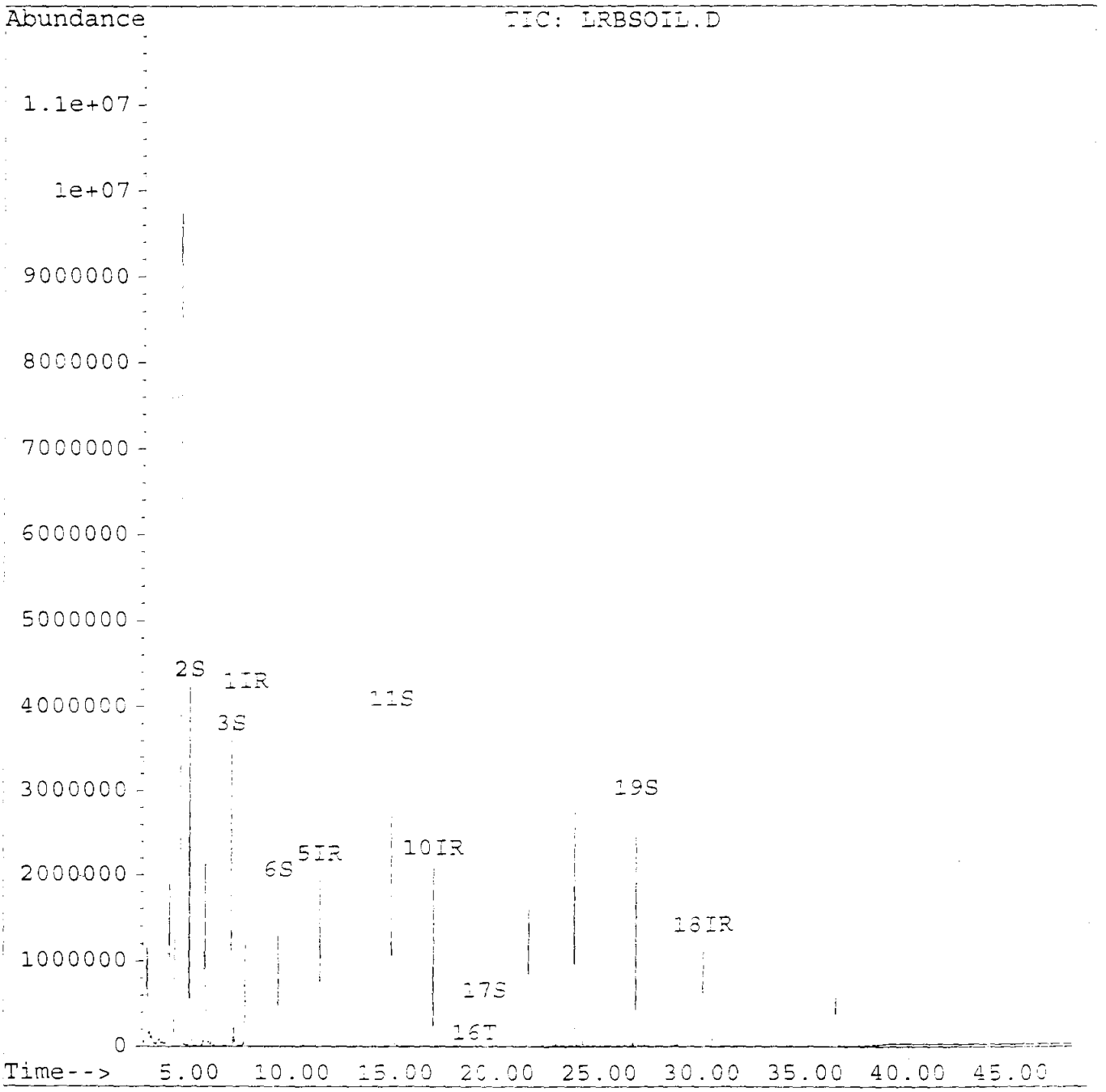
00155

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\LRBSOIL.D
Acq On : 16 Aug 95 3:40 pm
Sample : LRBSOIL 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 13:53 1995

Vial: 1
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
8320 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950714-FW-IW-SL0006D
Control No.: 82573
Prep Date: 7/18/95
Sample Date: 7/14/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 10:47AM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	371	371
Acenaphthylene	<	371	371
Anthracene	<	371	371
Benzo(a)anthracene	<	371	371
Benzo(b)fluoranthene	<	371	371
Benzo(k)fluoranthene	<	371	371
Benzo(g,h,i)perylene	<	371	371
Benzo(a)pyrene	<	371	371
Benzyl alcohol	<	371	371
bis(2-Chloroethoxy)methane	<	371	371
bis(2-Chloroethyl)ether	<	371	371
bis(2-Chloroisopropyl)ether	<	371	371
bis(2-Ethylhexyl)phthalate	<	371	371
4-Bromophenyl phenyl ether	<	371	371
p-Chloroaniline	<	742	742
4-Chloro-3-methylphenol	<	371	371
2-Chloronaphthalene	<	371	371
2-Chlorophenol	<	371	371
4-Chlorophenylphenyl ether	<	371	371
Chrysene	<	371	371
Dibenz(a,h)anthracene	<	371	371
Dibenzofuran	<	371	371
Di-n-butylphthalate	<	371	371
1,2-Dichlorobenzene	<	371	371
1,3-Dichlorobenzene	<	371	371
1,4-Dichlorobenzene	<	371	371
2,4-Dichlorophenol	<	371	371
2,6-Dichlorophenol	<	371	371
Diethylphthalate	<	371	371
3,3'-Dimethylbenzidine	<	1910	1910
2,4-Dimethylphenol	<	371	371
Dimethylphthalate	<	371	371

2,4-Dinitrophenol	<	1910	1910
2,4-Dinitrotoluene	<	371	371
2,6-Dinitrotoluene	<	371	371
Di-n-octylphthalate	<	371	371
Fluoranthene	<	371	371
Fluorene	<	371	371
Hexachlorobenzene	<	371	371
Hexachlorobutadiene	<	371	371
Hexachlorocyclopentadiene	<	371	371
Hexachloroethane	<	371	371
Indeno(1,2,3-cd)pyrene	<	371	371
Isophorone	<	371	371
2-Methyl-4,6-dinitrophenol	<	1910	1910
2-Methylnaphthalene	<	371	371
2-Methylphenol (o-cresol)	<	371	371
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	371	371
Naphthalene	<	371	371
2-Nitroaniline	<	1910	1910
3-Nitroaniline	<	1910	1910
4-Nitroaniline	<	1910	1910
Nitrobenzene	<	371	371
2-Nitrophenol	<	371	371
4-Nitrophenol	<	1910	1910
N-Nitrosodimethylamine	<	371	371
n-Nitrosodi-n-propylamine	<	371	371
Pentachlorophenol	<	1910	1910
Phenanthrene	<	371	371
Phenol	<	371	371
Pyrene	<	371	371
Pyridine	<	371	371
2,3,4,6-Tetrachlorophenol	<	1910	1910
1,2,4-Trichlorobenzene	<	371	371
2,4,5-Trichlorophenol	<	1910	1910
2,4,6-Trichlorophenol	<	371	371

Surrogate Recoveries		Range
2-Fluorophenol	68.4 %	25 - 121
Phenol-d5	72.7 %	24 - 113
Nitrobenzene-d5	72.2 %	23 - 120
2-Fluorobiphenyl	75.1 %	30 - 115
2,4,6-Tribromophenol	86.5 %	19 - 122
4-Terphenyl-d14	82.2 %	18 - 137

Percent Solids	89 %

Approved by: Jerry Hamrick

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82573.D
Acq On : 15 Aug 95 10:47 am
Sample : 82573 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:01 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	881355	40.00 ug/ml	0.01
17) Naphthalene-d8	11.26	136	3533240	40.00 ug/ml	0.00
29) Acenaphthene-d10	16.80	164	1628882	40.00 ug/ml	0.01
45) Phenanthrene-d10	21.46	188	2272734	40.00 ug/ml	0.00
56) Chrysene-d12	29.98	240	1739743	40.00 ug/ml	-0.01
63) Perylene-d12	36.44	264	1499429	40.00 ug/ml	-0.01
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.96	112	4766869	4557.41 ug/Kg	68.37%
5) Phenol-d5 (SURR)	6.98	99	6079375	4847.08 ug/Kg	72.71%
18) Nitrobenzene-d5 (SURROGATE	9.27	82	2199976	2407.01 ug/Kg	72.22%
33) 2-Fluorobiphenyl (SURROGAT	14.75	172	4181549	2501.90 ug/Kg	75.06%
48) 2,4,6-Tribromophenol (SURR	19.36	330	1135045	5767.71 ug/Kg	86.52%
58) p-Terphenyl-d14 (SURROGATE	26.72	244	3436326	2739.78 ug/Kg	82.20%
Target Compounds					Qvalue
2) Pyridine	2.77	79	23779	24.81 ug/Kg	89
3) N-Nitrosodimethylamine	2.86	42	55060	162.27 ug/Kg#	1
6) Phenol (CCC)	7.00	94	21660	16.58 ug/Kg#	1
7) Bis(2-chloroethyl)ether	6.95	93	1276	1.14 ug/Kg#	2
8) 2-Chlorophenol	7.23	128	7281	6.51 ug/Kg	88
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	8.77	45	2092	1.84 ug/Kg#	100
14) m,p-Cresol	8.91	107	9147	8.61 ug/Kg	88
15) n-Nitrosodi-n-propylamine(	9.03	70	1094	1.95 ug/Kg#	26
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.35	77	1089	1.18 ug/Kg#	16
20) Isophorone	10.20	82	6095	2.97 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.44	122	1373	1.48 ug/Kg#	75
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.32	128	16649	6.03 ug/Kg	98
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

ata File : C:\HPCHEM\1\DATA\0815\82573.D
cq On : 15 Aug 95 10:47 am
mple : 82573 30.1g/1ml 1ul injected
sc : Sloss Industries soils
Quant Time: Nov 16 14:01 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	16.27	152	1338	0.56 ug/Kg#	57
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.80	154	5780	4.22 ug/Kg#	19
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	18.48	149	21593	12.80 ug/Kg	100
43)	Fluorene	18.48	166	4474	2.83 ug/Kg	84
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	18.97	169	2080	1.98 ug/Kg	87
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	21.52	178	20412	10.01 ug/Kg	97
53)	Anthracene	21.72	178	1911	0.93 ug/Kg#	60
54)	Di-n-butylphthalate	23.68	149	398860	140.54 ug/Kg	100
55)	Fluoranthene (CCC)	25.33	202	14701	7.17 ug/Kg	100
57)	Pyrene	26.03	202	18289	9.04 ug/Kg	99
59)	Benzo(a)anthracene	29.90	228	7312	4.45 ug/Kg	99
60)	Chrysene	30.03	228	14487	9.40 ug/Kg	92
61)	Bis(2-ethylhexyl)phthalate	30.43	149	217636	137.92 ug/Kg	99
62)	Di-n-octylphthalate (CCC)	32.88	149	34820	11.86 ug/Kg#	95
64)	Benzo(b)fluoranthene	34.32	252	12631	7.92 ug/Kg	85
65)	Benzo(k)fluoranthene	34.32	252	12629	9.28 ug/Kg	85
66)	Benzo(a)pyrene (CCC)	36.04	252	3904	3.09 ug/Kg#	54
67)	Indeno(1,2,3-cd)pyrene	40.91	276	4659	4.34 ug/Kg	84
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	41.77	276	5561	6.58 ug/Kg	95

(#) = qualifier out of range (m) = manual integration

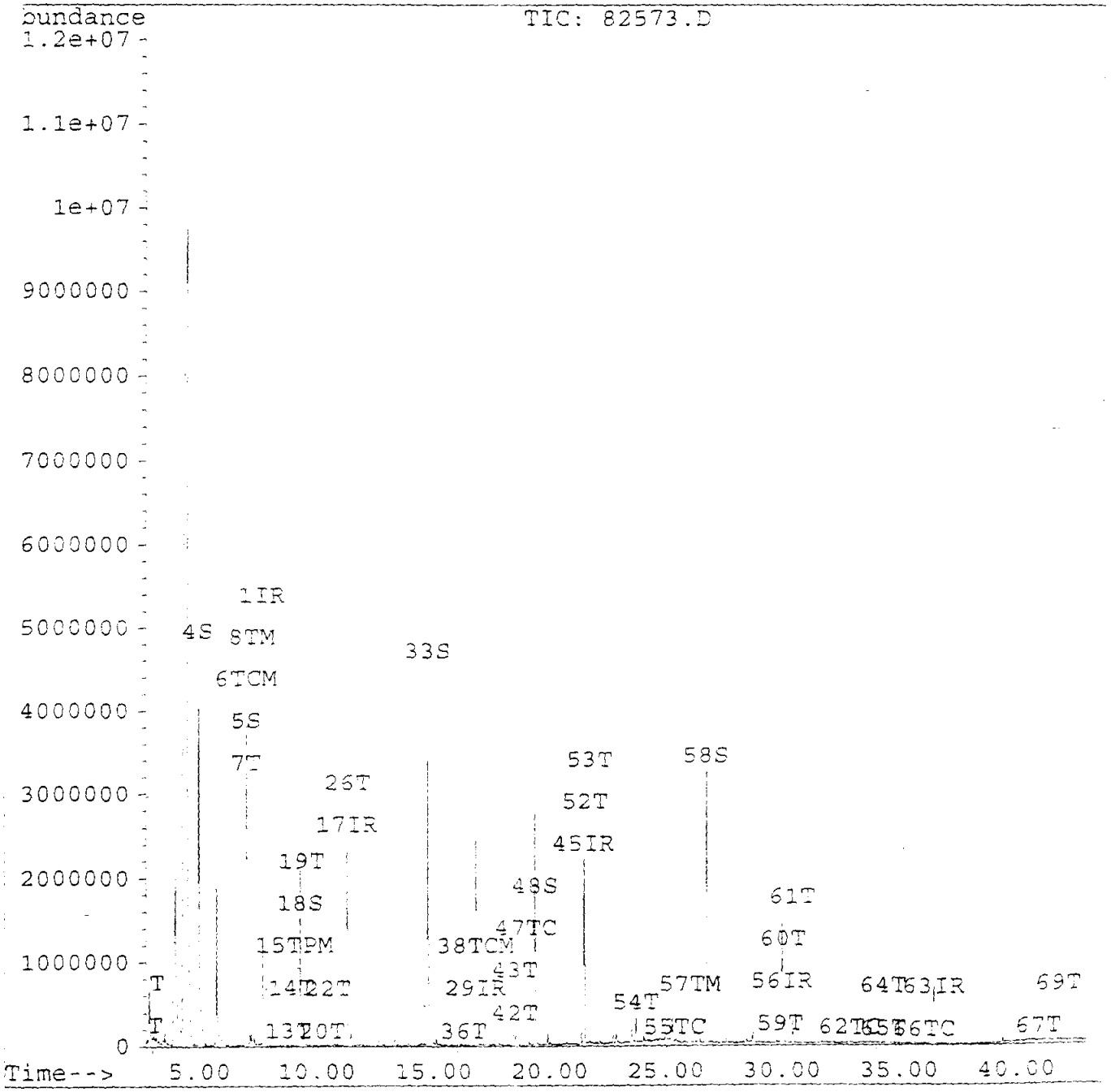
0015

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82573.D
Acq On : 15 Aug 95 10:47 am
Sample : 82573 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:01 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



001558

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82573.D Vial: 2
Acq On : 16 Aug 95 4:34 pm Operator: LAW
Sample : 82573 30.1g/1ml 1ul injected Inst : 5971- GC/
sc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:25 1995

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	788427	40.00 ug/ml	0.02
5) Naphthalene-d8	11.29	136	3035743	40.00 ug/ml	0.00
10) Acenaphthene-d10	15.82	164	1462810	40.00 ug/ml	0.01
18) Chrysene-d12	30.00	240	1519653	40.00 ug/ml	0.02
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol (SURR)	4.97	112	4264641	132.39 ug/Kg	66.20%
3) Phenol-d5 (SURR)	7.00	99	5472801	137.02 ug/Kg	68.51%
6) Nitrobenzene-d5 (SURROGATE	9.29	82	1901286	70.45 ug/Kg	70.45%
11) 2-Fluorobiphenyl (SURROGAT	14.77	172	3758333	71.28 ug/Kg	71.28%
17) 2,4,6-Tribromophenol (SURR	19.38	330	1059566	153.11 ug/Kg	76.56%
19) p-Terphenyl-d14 (SURROGATE	26.74	244	3221946	81.01 ug/Kg	81.01%
Target Compounds					Qvalue
4) Benzyl alcohol	0.00	108		Not Detected	
7) 2,6-Dichlorophenol	0.00	162		Not Detected	
8) 4-Chloroaniline	11.42	127	1625	1.54 ug/Kg#	1
9) 2-Methylnaphthalene	13.47	142	8184	5.40 ug/Kg	93
12) 2-Nitroaniline	0.00	65		Not Detected	
13) 3-Nitroaniline	0.00	138		Not Detected	
14) Dibenzofuran	17.41	168	2354	1.19 ug/Kg#	46
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected	
16) 4-Nitroaniline	0.00	138		Not Detected	
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected	

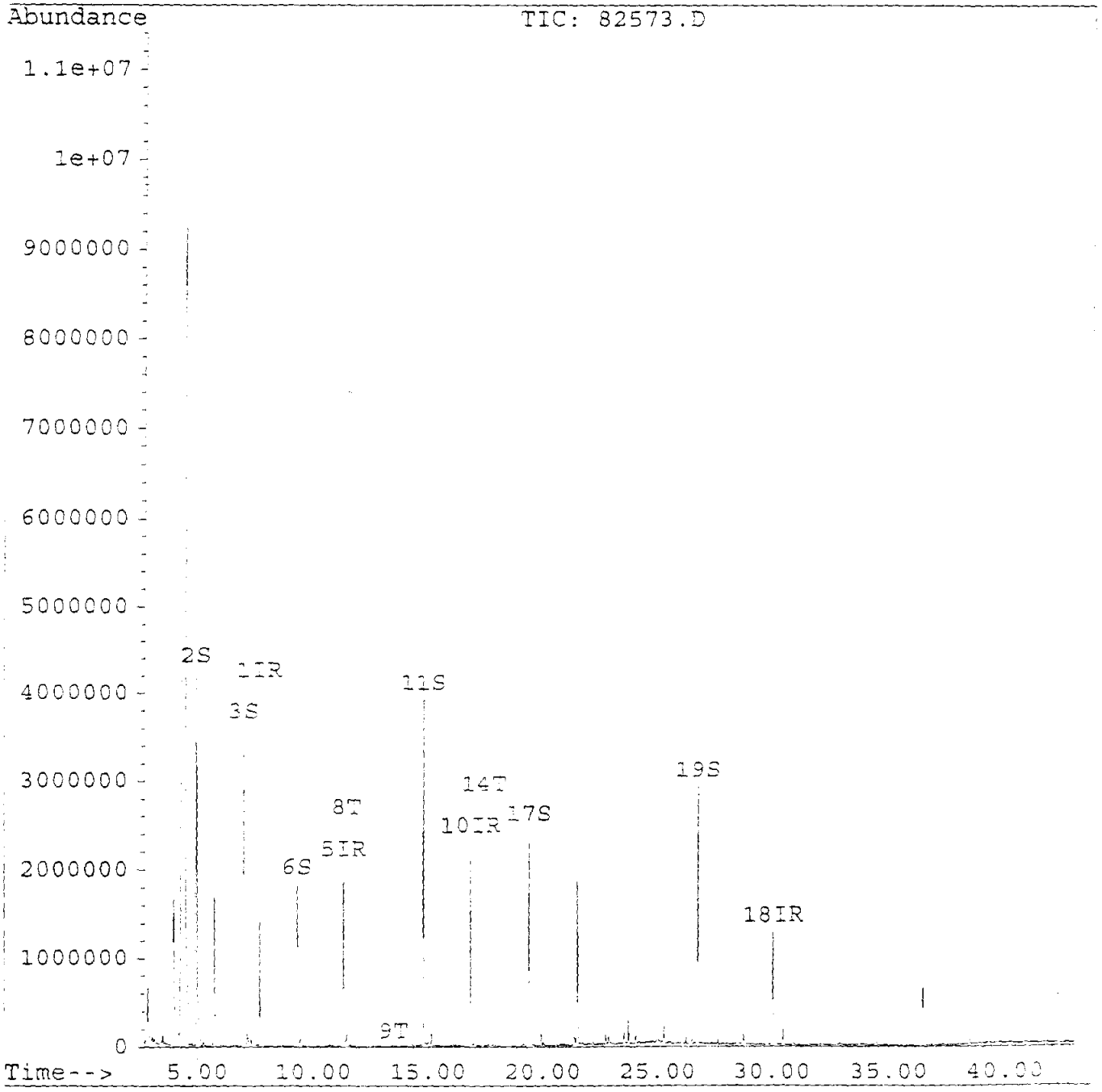
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82573.D
Acq On : 16 Aug 95 4:34 pm
Sample : 82573 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:25 1995

Vial: 2
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 18, 1995

Analysis to be run _____

Technician Kim Brock/Dawn Horncastle

Sample Number 82573 950714 FW IW SL000GB

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.00g	4.44g	.56	11%

Oven Temperature 105°

Time in 4:30pm

Time out 10:30 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0005
Control No.: 82634
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace 15-Aug-95 1:14PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	500	500
Acenaphthylene	<	500	500
Anthracene	<	500	500
Benzo(a)anthracene	<	500	500
Benzo(b)fluoranthene	<	500	500
Benzo(k)fluoranthene	<	500	500
Benzo(g,h,i)perylene	<	500	500
Benzo(a)pyrene	<	500	500
Benzyl alcohol	<	500	500
bis(2-Chloroethoxy)methane	<	500	500
bis(2-Chloroethyl)ether	<	500	500
bis(2-Chloroisopropyl)ether	<	500	500
bis(2-Ethylhexyl)phthalate	<	500	500
4-Bromophenyl phenyl ether	<	500	500
p-Chloroaniline	<	1000	1000
4-Chloro-3-methylphenol	<	500	500
2-Chloronaphthalene	<	500	500
2-Chlorophenol	<	500	500
4-Chlorophenylphenyl ether	<	500	500
Chrysene	<	500	500
Dibenz(a,h)anthracene	<	500	500
Dibenzofuran	<	500	500
Di-n-butylphthalate		6662	500
1,2-Dichlorobenzene	<	500	500
1,3-Dichlorobenzene	<	500	500
1,4-Dichlorobenzene	<	500	500
2,4-Dichlorophenol	<	500	500
2,6-Dichlorophenol	<	500	500
Diethylphthalate	<	500	500
3,3'-Dimethylbenzidine	<	2576	2576
2,4-Dimethylphenol	<	500	500
Dimethylphthalate	<	500	500
2,4-Dinitrophenol	<	2576	2576

2,4-Dinitrotoluene	<	500	500
2,6-Dinitrotoluene	<	500	500
Di-n-octylphthalate	<	500	500
Fluoranthene	<	500	500
Fluorene	<	500	500
Hexachlorobenzene	<	500	500
Hexachlorobutadiene	<	500	500
Hexachlorocyclopentadiene	<	500	500
Hexachloroethane	<	500	500
Indeno(1,2,3-cd)pyrene	<	500	500
Isophorone	<	500	500
2-Methyl-4,6-dinitrophenol	<	2576	2576
2-Methylnaphthalene	<	500	500
2-Methylphenol (o-cresol)	<	500	500
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	500	500
Naphthalene	<	500	500
2-Nitroaniline	<	2576	2576
3-Nitroaniline	<	2576	2576
4-Nitroaniline	<	2576	2576
Nitrobenzene	<	500	500
2-Nitrophenol	<	500	500
4-Nitrophenol	<	2576	2576
N-Nitrosodimethylamine	<	500	500
n-Nitrosodi-n-propylamine	<	500	500
Pentachlorophenol	<	2576	2576
Phenanthrene	<	500	500
Phenol	<	500	500
Pyrene	<	500	500
Pyridine	<	500	500
2,3,4,6-Tetrachlorophenol	<	2576	2576
1,2,4-Trichlorobenzene	<	500	500
2,4,5-Trichlorophenol	<	2576	2576
2,4,6-Trichlorophenol	<	500	500

Surrogate Recoveries		Range
2-Fluorophenol	64.0 %	25 - 121
Phenol-d5	71.6 %	24 - 113
Nitrobenzene-d5	65.7 %	23 - 120
2-Fluorobiphenyl	71.5 %	30 - 115
2,4,6-Tribromophenol	82.9 %	19 - 122
4-Terphenyl-d14	83.0 %	18 - 137

Percent Solids 66 %

Approved by:

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82634.D
Acq On : 15 Aug 95 1:14 pm
Sample : 82634 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:03 1995

Vial: 5
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	787997	40.00 ug/ml	0.03
17) Naphthalene-d8	11.29	136	3142674	40.00 ug/ml	0.02
29) Acenaphthene-d10	16.82	164	1499906	40.00 ug/ml	0.03
45) Phenanthrene-d10	21.49	188	2080042	40.00 ug/ml	0.02
56) Chrysene-d12	30.00	240	1589821	40.00 ug/ml	0.00
63) Perylene-d12	36.49	264	1312830	40.00 ug/ml	0.04
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.97	112	3978985	4267.66 ug/Kg	64.02%
5) Phenol-d5 (SURR)	6.99	99	5337074	4773.72 ug/Kg	71.61%
18) Nitrobenzene-d5 (SURROGATE	9.28	82	1774544	2189.41 ug/Kg	65.69%
33) 2-Fluorobiphenyl (SURROGAT	14.76	172	3655610	2382.45 ug/Kg	71.48%
48) 2,4,6-Tribromophenol (SURR	19.38	330	991848	5523.55 ug/Kg	82.86%
58) p-Terphenyl-d14 (SURROGATE	26.74	244	3160050	2766.21 ug/Kg	82.99%
Target Compounds					Qvalue
2) Pyridine	2.82	79	2107	2.47 ug/Kg#	19
3) N-Nitrosodimethylamine	2.94	42	282136	932.82 ug/Kg#	
6) Phenol (CCC)	7.00	94	7948	6.83 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	7.25	128	6207	6.22 ug/Kg	79
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	0.00	45		Not Detected	
14) m,p-Cresol	8.91	107	16270	17.18 ug/Kg	89
15) n-Nitrosodi-n-propylamine(	9.10	70	1366	2.72 ug/Kg#	26
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.28	77	5563	6.78 ug/Kg#	16
20) Isophorone	10.09	82	1295	0.71 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.59	122	2943	3.59 ug/Kg#	1
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.34	128	14296	5.84 ug/Kg	92
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	16.49	163	1360	0.87 ug/Kg#	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82634.D
Acq On : 15 Aug 95 1:14 pm
Sample : 82634 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:03 1995

Vial: 5
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	16.30	152	4156	1.89 ug/Kg#	47
37)	2,6-Dinitrotoluene	16.48	165	3533	9.50 ug/Kg#	36
38)	Acenaphthene (CCC)	16.90	154	1907	1.52 ug/Kg	88
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	17.40	139	3720	9.89 ug/Kg#	39
41)	2,4-Dinitrotoluene	17.60	165	2172	4.49 ug/Kg#	44
42)	Diethylphthalate	18.49	149	14375	9.28 ug/Kg	98
43)	Fluorene	18.51	166	7248	5.00 ug/Kg#	34
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	19.00	169	17168	17.92 ug/Kg	78
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	21.55	178	37115	19.96 ug/Kg	99
53)	Anthracene	21.67	178	11781	6.29 ug/Kg	94
54)	Di-n-butylphthalate	23.76	149	11386675	4396.87 ug/Kg	100
55)	Fluoranthene (CCC)	25.36	202	28356	15.15 ug/Kg	83
57)	Pyrene	26.06	202	28700	15.58 ug/Kg	98
59)	Benzo(a)anthracene	29.93	228	14930	9.97 ug/Kg#	29
60)	Chrysene	30.07	228	29737	21.19 ug/Kg	96
61)	Bis(2-ethylhexyl)phthalate	30.46	149	254447	176.99 ug/Kg	97
62)	Di-n-octylphthalate (CCC)	32.96	149	23701	8.86 ug/Kg	47
64)	Benzo(b)fluoranthene	34.36	252	24739	17.77 ug/Kg	91
65)	Benzo(k)fluoranthene	34.36	252	24740	20.82 ug/Kg	91
66)	Benzo(a)pyrene (CCC)	36.09	252	7492	6.79 ug/Kg#	54
67)	Indeno(1,2,3-cd)pyrene	40.94	276	3928	4.19 ug/Kg#	47
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	41.82	276	4240	5.74 ug/Kg	91

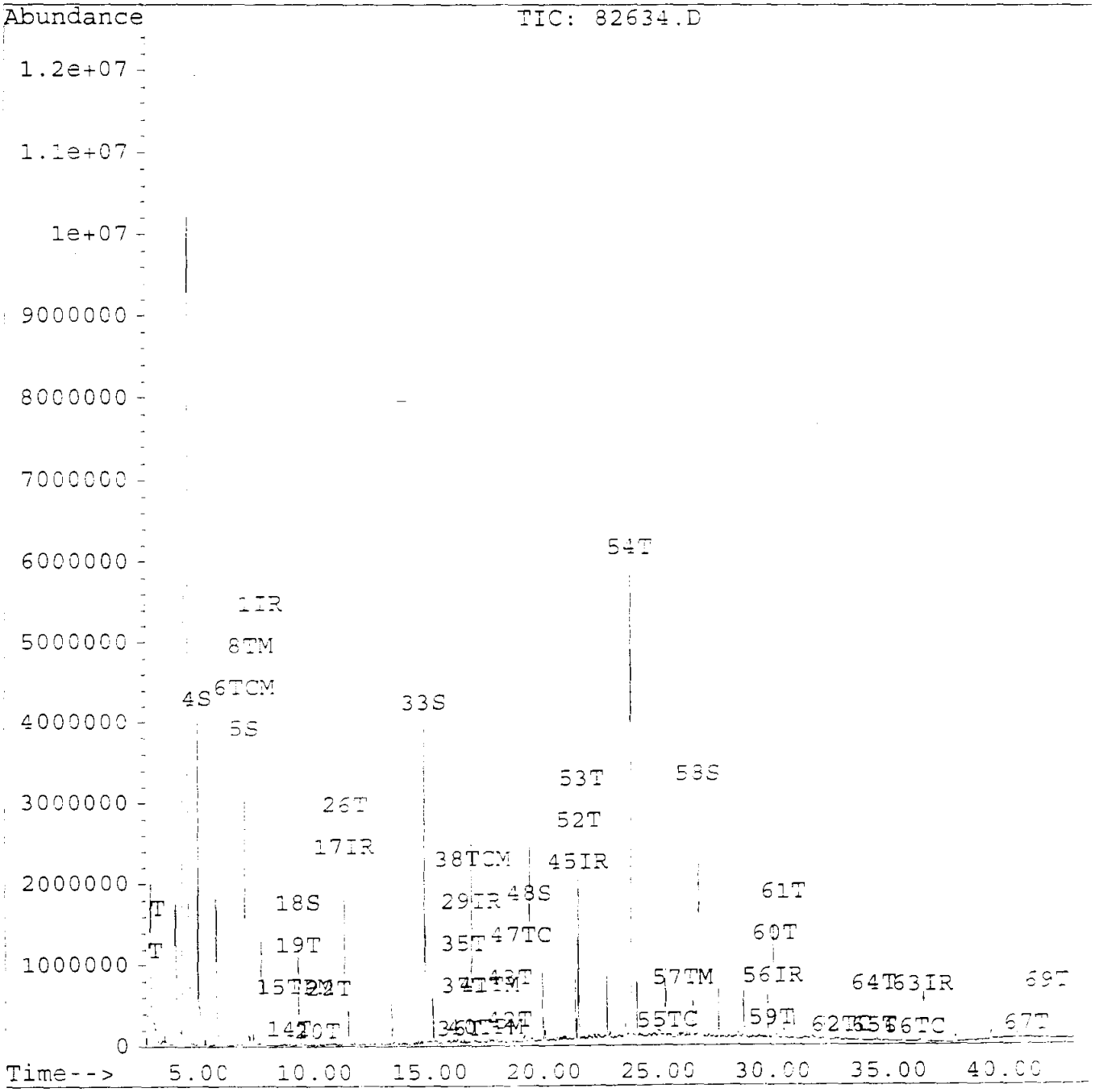
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82634.D
Acq On : 15 Aug 95 1:14 pm
Sample : 82634 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:03 1995

Vial: 5
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



001566

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82634.D
Acq On : 16 Aug 95 7:01 pm
Sample : 82634 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:25 1995

Vial: 5
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	682812	40.00 ug/ml	0.01
5) Naphthalene-d8	11.28	136	2700527	40.00 ug/ml	0.00
10) Acenaphthene-d10	16.81	164	1327707	40.00 ug/ml	0.00
18) Chrysene-d12	29.99	240	1443807	40.00 ug/ml	0.00
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol (SURR)	4.97	112	3452886	123.77 ug/Kg	61.89%
3) Phenol-d5 (SURR)	6.98	99	4612045	133.33 ug/Kg	66.66%
6) Nitrobenzene-d5 (SURROGATE	9.28	82	1527147	63.61 ug/Kg	63.61%
11) 2-Fluorobiphenyl (SURROGAT	14.75	172	3202342	66.92 ug/Kg	66.92%
17) 2,4,6-Tribromophenol (SURR	19.36	330	876280	139.51 ug/Kg	69.75%
19) p-Terphenyl-d14 (SURROGATE	26.73	244	3019264	79.91 ug/Kg	79.91%
Target Compounds					Qvalue
4) Benzyl alcohol	0.00	108		Not Detected	
7) 2,6-Dichlorophenol	12.04	162	1461	2.42 ug/Kg#	16
8) 4-Chloroaniline	11.42	127	5817	6.20 ug/Kg#	1
9) 2-Methylnaphthalene	13.47	142	13872	10.32 ug/Kg	98
12) 2-Nitroaniline	0.00	65		Not Detected	
13) 3-Nitroaniline	0.00	138		Not Detected	
14) Dibenzofuran	17.40	168	5651	3.14 ug/Kg	78
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected	
16) 4-Nitroaniline	18.85	138	2816	7.29 ug/Kg	79
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected	

(#) = qualifier out of range (m) = manual integration

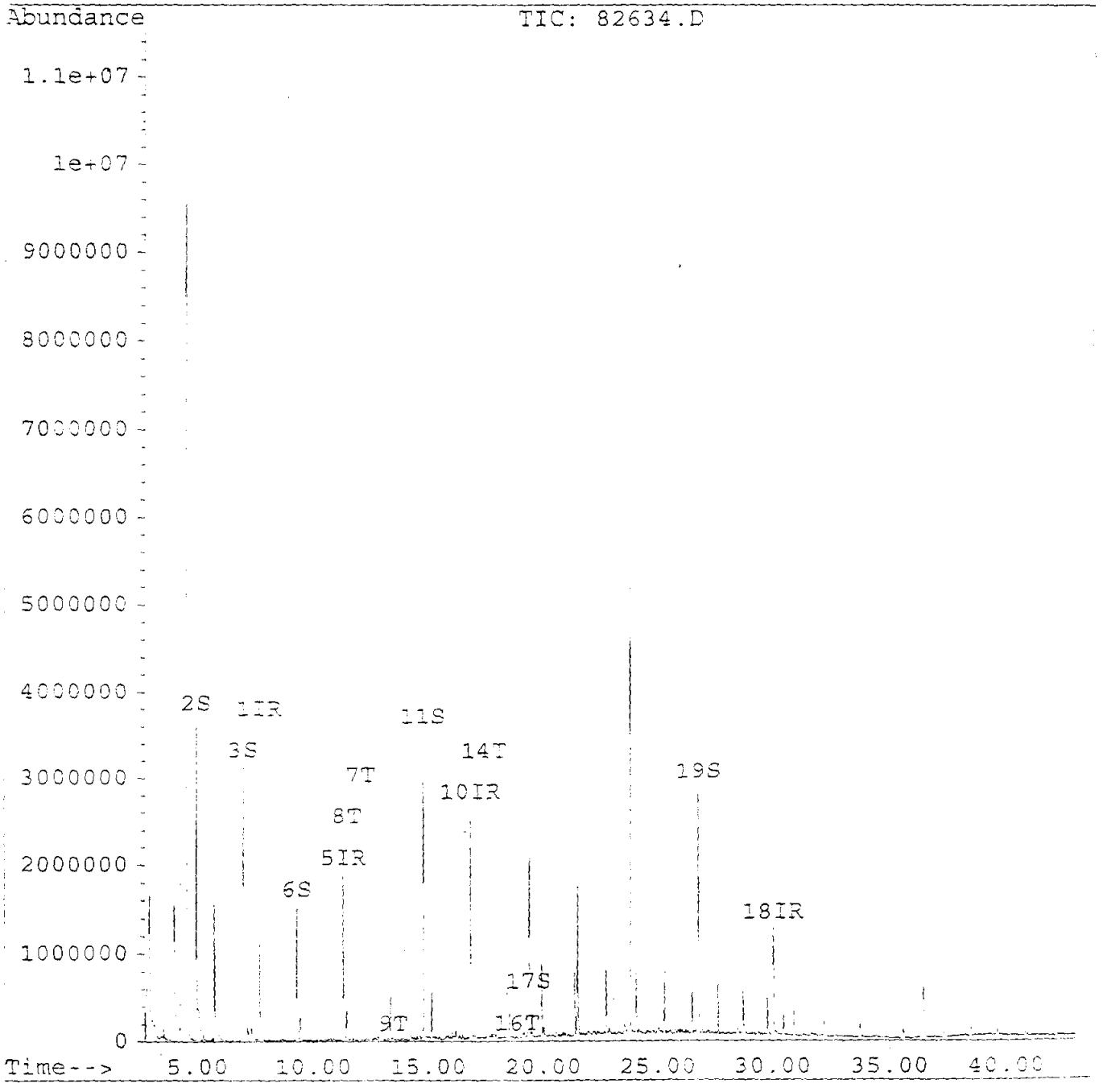
001587

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82634.D
Acq On : 16 Aug 95 7:01 pm
Sample : 82634 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:25 1995

Vial: 5
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



001568

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82634X4.D Vial: 8
Acq On : 15 Aug 95 3:41 pm Operator: LAW
Sample : 82634X4 30.0g/1ml 1/4 dilution Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 133.20
Quant Time: Nov 16 14:09 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	885696	40.00 ug/ml	0.03
17) Naphthalene-d8	11.30	136	3468065	40.00 ug/ml	0.02
29) Acenaphthene-d10	16.83	164	1644666	40.00 ug/ml	0.04
45) Phenanthrene-d10	21.50	188	2247807	40.00 ug/ml	0.04
56) Chrysene-d12	30.02	240	1622786	40.00 ug/ml	0.02
63) Perylene-d12	36.50	264	1308401	40.00 ug/ml	0.05
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.87	112	1079054	4118.70 ug/Kg	61.79%
5) Phenol-d5 (SURR)	6.90	99	1425309	4536.93 ug/Kg	68.06%
18) Nitrobenzene-d5 (SURROGATE	9.27	82	439200	1964.15 ug/Kg	58.93%
33) 2-Fluorobiphenyl (SURROGAT	14.75	172	964291	2292.55 ug/Kg	68.78%
48) 2,4,6-Tribromophenol (SURR	19.35	330	240061	4948.44 ug/Kg	74.23%
58) p-Terphenyl-d14 (SURROGATE	26.72	244	827514	2838.66 ug/Kg	85.17%
Target Compounds					Qvalue
2) Pyridine	0.00	79		Not Detected	
3) N-Nitrosodimethylamine	2.75	42	61597	724.77 ug/Kg#	1
6) Phenol (CCC)	6.92	94	2385	7.29 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	7.22	128	1001	3.57 ug/Kg#	37
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	8.61	45	1194	4.20 ug/Kg#	100
14) m,p-Cresol	8.90	107	3847	14.45 ug/Kg	86
15) n-Nitrosodi-n-propylamine(	0.00	70		Not Detected	
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.27	77	1149	5.08 ug/Kg#	16
20) Isophorone	10.23	82	4676	9.32 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.35	128	3480	5.16 ug/Kg#	72
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82634X4.D Vial: 8
Acq On : 15 Aug 95 3:41 pm Operator: LAW
Sample : 82634X4 30.0g/1ml 1/4 dilution Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 133.20
Quant Time: Nov 16 14:09 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

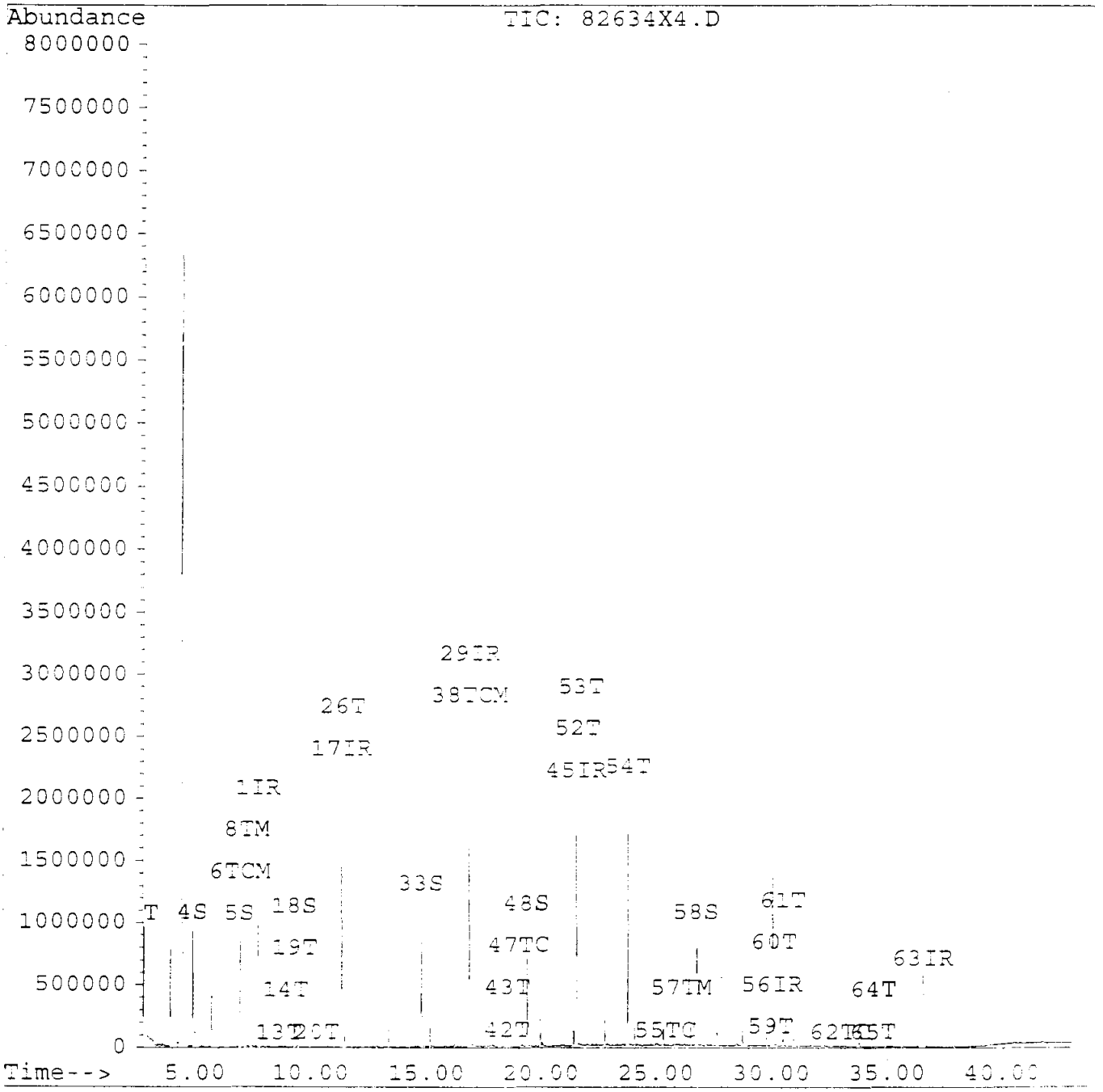
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	0.00	152		Not Detected	
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.82	154	5503	15.97 ug/Kg#	1
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	18.49	149	4279	10.08 ug/Kg#	54
43)	Fluorene	18.51	166	1302	3.28 ug/Kg#	36
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	19.00	169	3669	14.18 ug/Kg	86
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	21.55	178	9428	18.76 ug/Kg	98
53)	Anthracene	21.68	178	2174	4.29 ug/Kg#	60
54)	Di-n-butylphthalate	23.73	149	3088836	4414.84 ug/Kg	100
55)	Fluoranthene (CCC)	25.37	202	7791	15.41 ug/Kg	9
57)	Pyrene	26.07	202	7444	15.83 ug/Kg	9[illegible]
59)	Benzo(a)anthracene	29.94	228	3787	9.91 ug/Kg	57
60)	Chrysene	30.08	228	6455	18.02 ug/Kg	97
61)	Bis(2-ethylhexyl)phthalate	30.46	149	61359	167.26 ug/Kg	97
62)	Di-n-octylphthalate (CCC)	32.96	149	12073	17.69 ug/Kg#	95
64)	Benzo(b)fluoranthene	34.36	252	4920	14.18 ug/Kg	99
65)	Benzo(k)fluoranthene	34.36	252	4920	16.62 ug/Kg	98
66)	Benzo(a)pyrene (CCC)	0.00	252		Not Detected	
67)	Indeno(1,2,3-cd)pyrene	0.00	276		Not Detected	
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	0.00	276		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0815\82634X4.D
Acq On : 15 Aug 95 3:41 pm
Sample : 82634X4 30.0g/1ml 1/4 dilution
Misc : Sloss Industries soils
Quant Time: Nov 16 14:09 1995

Vial: 8
Operator: LAW
Inst : 5971- GC/
Multiplr: 133.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



001571

DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 21, 1995

Analysis to be run _____

Technician Kim Brock

Sample Number 82634 950718 FW JW SL005

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.00g	3.32g	1.68	34%

Oven Temperature 105°

Time in 5:30pm

Time out 11:00Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0007
Control No.: 82636
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 4:30PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	550	550
Acenaphthylene	<	550	550
Anthracene	<	550	550
Benzo(a)anthracene		908	550
Benzo(b)fluoranthene		1432	550
Benzo(k)fluoranthene	<	550	550
Benzo(g,h,i)perylene	<	550	550
Benzo(a)pyrene		820	550
Benzyl alcohol	<	550	550
bis(2-Chloroethoxy)methane	<	550	550
bis(2-Chloroethyl)ether	<	550	550
bis(2-Chloroisopropyl)ether	<	550	550
bis(2-Ethylhexyl)phthalate	<	550	550
4-Bromophenyl phenyl ether	<	550	550
p-Chloroaniline	<	1100	1100
4-Chloro-3-methylphenol	<	550	550
2-Chloronaphthalene	<	550	550
2-Chlorophenol	<	550	550
4-Chlorophenylphenyl ether	<	550	550
Chrysene		870	550
Dibenz(a,h)anthracene	<	550	550
Dibenzofuran	<	550	550
Di-n-butylphthalate		1433	550
1,2-Dichlorobenzene	<	550	550
1,3-Dichlorobenzene	<	550	550
1,4-Dichlorobenzene	<	550	550
2,4-Dichlorophenol	<	550	550
2,6-Dichlorophenol	<	550	550
Diethylphthalate	<	550	550
3,3'-Dimethylbenzidine	<	2833	2833
2,4-Dimethylphenol	<	550	550
Dimethylphthalate	<	550	550
2,4-Dinitrophenol	<	2833	2833

2,4-Dinitrotoluene	<	550	550
2,6-Dinitrotoluene	<	550	550
Di-n-octylphthalate	<	550	550
Fluoranthene		1650	550
Fluorene	<	550	550
Hexachlorobenzene	<	550	550
Hexachlorobutadiene	<	550	550
Hexachlorocyclopentadiene	<	550	550
Hexachloroethane	<	550	550
Indeno(1,2,3-cd)pyrene	<	550	550
Isophorone	<	550	550
2-Methyl-4,6-dinitrophenol	<	2833	2833
2-Methylnaphthalene	<	550	550
2-Methylphenol (o-cresol)	<	550	550
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	550	550
Naphthalene		652	550
2-Nitroaniline	<	2833	2833
3-Nitroaniline	<	2833	2833
4-Nitroaniline	<	2833	2833
Nitrobenzene	<	550	550
2-Nitrophenol	<	550	550
4-Nitrophenol	<	2833	2833
N-Nitrosodimethylamine	<	550	550
n-Nitrosodi-n-propylamine	<	550	550
Pentachlorophenol	<	2833	2833
Phenanthrene		1097	550
Phenol	<	550	550
Pyrene		1315	550
Pyridine	<	550	550
2,3,4,6-Tetrachlorophenol	<	2833	2833
1,2,4-Trichlorobenzene	<	550	550
2,4,5-Trichlorophenol	<	2833	2833
2,4,6-Trichlorophenol	<	550	550

Surrogate Recoveries		Range
2-Fluorophenol	26.9 %	25 - 121
Phenol-d5	34.6 %	24 - 113
Nitrobenzene-d5	29.8 %	23 - 120
2-Fluorobiphenyl	37.0 %	30 - 115
2,4,6-Tribromophenol	47.8 %	19 - 122
4-Terphenyl-d14	44.9 %	18 - 137

Percent Solids 60 %

Approved by: Jerry Hancock

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82636.D
Acq On : 15 Aug 95 4:30 pm
Sample : 82636 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:04 1995

Vial: 9
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	1656040	40.00 ug/ml	0.05
17) Naphthalene-d8	11.31	136	6395946	40.00 ug/ml	0.04
29) Acenaphthene-d10	16.85	164	3159710	40.00 ug/ml	0.05
45) Phenanthrene-d10	21.53	188	4409439	40.00 ug/ml	0.06
56) Chrysene-d12	30.06	240	3164401	40.00 ug/ml	0.06
63) Perylene-d12	36.60	264	2437019	40.00 ug/ml	0.15
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.92	112	3528957	1795.61 ug/Kg	26.94%
5) Phenol-d5 (SURR)	6.94	99	5429640	2303.95 ug/Kg	34.56%
18) Nitrobenzene-d5 (SURROGATE	9.29	82	1642138	992.52 ug/Kg	29.78%
33) 2-Fluorobiphenyl (SURROGAT	14.78	172	3993819	1231.87 ug/Kg	36.96%
48) 2,4,6-Tribromophenol (SURR	19.39	330	1215197	3182.75 ug/Kg	47.75%
58) p-Terphenyl-d14 (SURROGATE	26.77	244	3414053	1496.96 ug/Kg	44.91%
Target Compounds					Qvalue
2) Pyridine	0.00	79		Not Detected	
3) N-Nitrosodimethylamine	2.98	42	37029	58.08 ug/Kg#	1
6) Phenol (CCC)	6.95	94	14794	6.03 ug/Kg#	1
7) Bis(2-chloroethyl)ether	7.04	93	3347	1.59 ug/Kg#	2
8) 2-Chlorophenol	7.22	128	4927	2.34 ug/Kg#	37
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	8.49	108	1748	0.92 ug/Kg#	63
13) Bis(2-chloroisopropyl)ethe	8.54	45	1141	0.53 ug/Kg#	100
14) m,p-Cresol	8.91	107	11346	5.68 ug/Kg	83
15) n-Nitrosodi-n-propylamine(	0.00	70		Not Detected	
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.28	77	4261	2.54 ug/Kg#	16
20) Isophorone	10.01	82	1044	0.28 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.43	122	2896	1.73 ug/Kg	95
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.37	128	1950798	390.57 ug/Kg	100
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	15.21	162	1028	0.39 ug/Kg#	40
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82636.D Vial: 9
Acq On : 15 Aug 95 4:30 pm Operator: LAW
Sample : 82636 30.1g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:04 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	16.32	152	474821	102.15 ug/Kg	99
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.92	154	68436	25.77 ug/Kg	91
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	17.53	139	2386	3.00 ug/Kg#	39
41)	2,4-Dinitrotoluene	17.71	165	1666	1.63 ug/Kg#	44
42)	Diethylphthalate	18.50	149	24921	7.62 ug/Kg	96
43)	Fluorene	18.52	166	412624	134.79 ug/Kg	97
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	19.05	169	4523	2.22 ug/Kg#	20
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	21.59	178	2602560	658.14 ug/Kg	99
53)	Anthracene	21.71	178	791736	198.74 ug/Kg	99
54)	Di-n-butylphthalate	23.75	149	4733390	859.61 ug/Kg	100
55)	Fluoranthene (CCC)	25.43	202	3940358	990.15 ug/Kg	9
57)	Pyrene	26.12	202	2900216	788.51 ug/Kg	9
59)	Benzo(a)anthracene	29.99	228	1630609	545.39 ug/Kg	78
60)	Chrysene	30.14	228	1463753	522.37 ug/Kg	99
61)	Bis(2-ethylhexyl)phthalate	30.49	149	600654	209.28 ug/Kg	99
62)	Di-n-octylphthalate (CCC)	33.00	149	85028	15.92 ug/Kg#	95
64)	Benzo(b)fluoranthene	34.48	252	2227805	859.39 ug/Kg	98
65)	Benzo(k)fluoranthene	34.79	252	1375	0.62 ug/Kg#	1
66)	Benzo(a)pyrene (CCC)	36.21	252	1009603	491.77 ug/Kg	96
67)	Indeno(1,2,3-cd)pyrene	40.99	276	434632	249.09 ug/Kg	87
68)	Dibenzo(a,h)anthracene	41.17	278	34867	24.18 ug/Kg#	43
69)	Benzo(g,h,i)perylene	42.16	276	10251	7.46 ug/Kg#	30

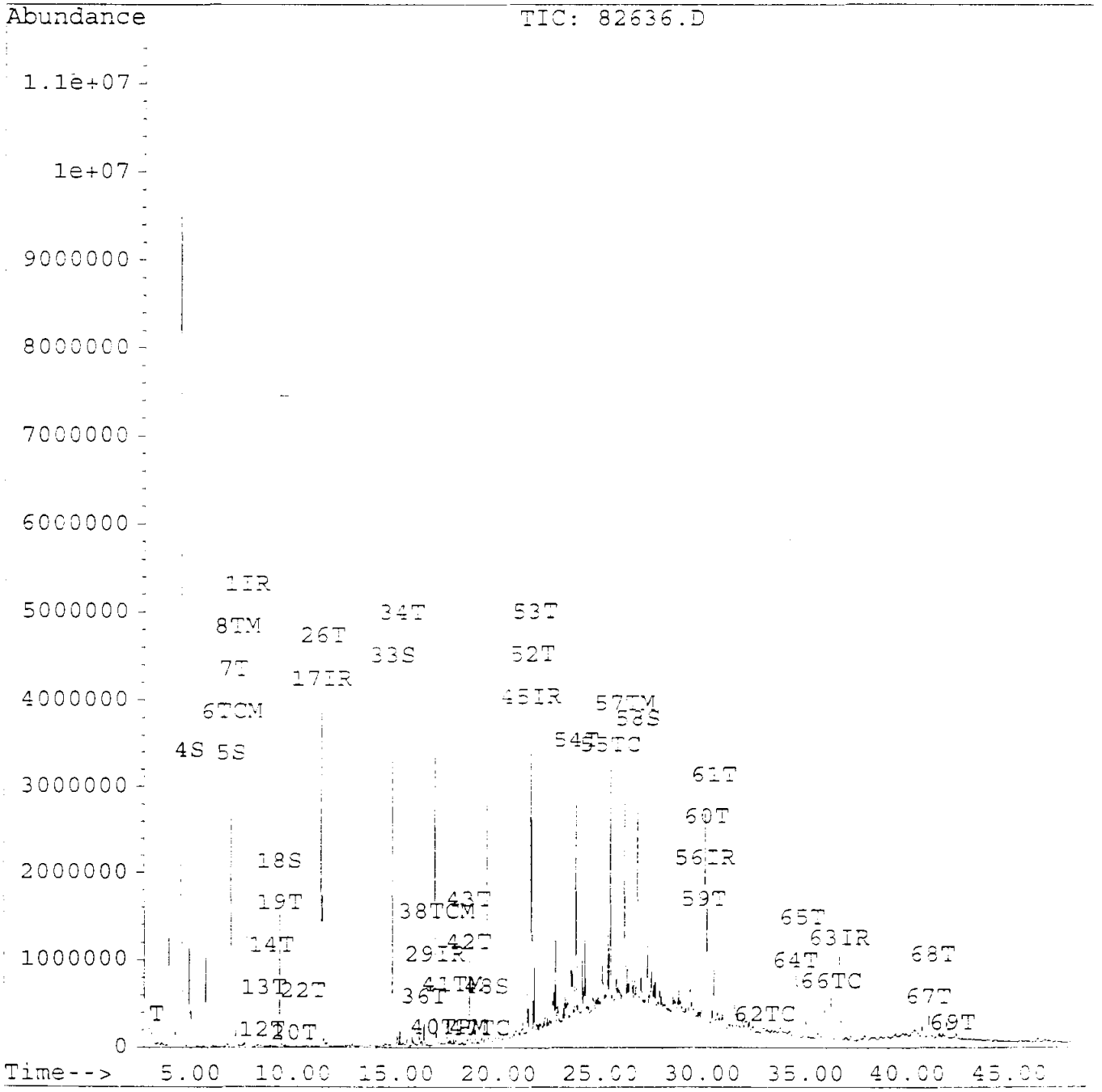
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82636.D
Acq On : 15 Aug 95 4:30 pm
Sample : 82636 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:04 1995

Vial: 9
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



001577

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82636.D Vial: 8
Acq On : 16 Aug 95 9:28 pm Operator: LAW
Sample : 82636 30.1g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:24 1995

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	1374956	40.00	ug/ml	0.00
5) Naphthalene-d8	11.29	136	5341225	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.82	164	2669967	40.00	ug/ml	0.00
18) Chrysene-d12	30.03	240	2641274	40.00	ug/ml	0.04
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.90	112	2947027	52.46	ug/Kg	26.23%
3) Phenol-d5 (SURR)	6.92	99	4488048	64.43	ug/Kg	32.22%
6) Nitrobenzene-d5 (SURROGATE	9.26	82	1380109	29.06	ug/Kg	29.06%
11) 2-Fluorobiphenyl (SURROGAT	14.75	172	3386713	35.19	ug/Kg	35.19%
17) 2,4,6-Tribromophenol (SURR	19.36	330	1029841	81.53	ug/Kg	40.77%
19) p-Terphenyl-d14 (SURROGATE	26.74	244	3047155	44.08	ug/Kg	44.08%
Target Compounds						Qvalue
4) Benzyl alcohol	8.47	108	1375	1.16	ug/Kg#	1
7) 2,6-Dichlorophenol	0.00	162		Not Detected		
8) 4-Chloroaniline	11.59	127	1045	0.56	ug/Kg#	1
9) 2-Methylnaphthalene	13.46	142	178381	66.86	ug/Kg	9
12) 2-Nitroaniline	15.43	65	1534	2.04	ug/Kg#	10
13) 3-Nitroaniline	0.00	138		Not Detected		
14) Dibenzofuran	17.39	168	277820	76.63	ug/Kg	99
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	18.81	138	75820	97.38	ug/Kg#	42
20) 3,3-Dimethylbenzidine	28.09	212	3680	2.99	ug/Kg#	62

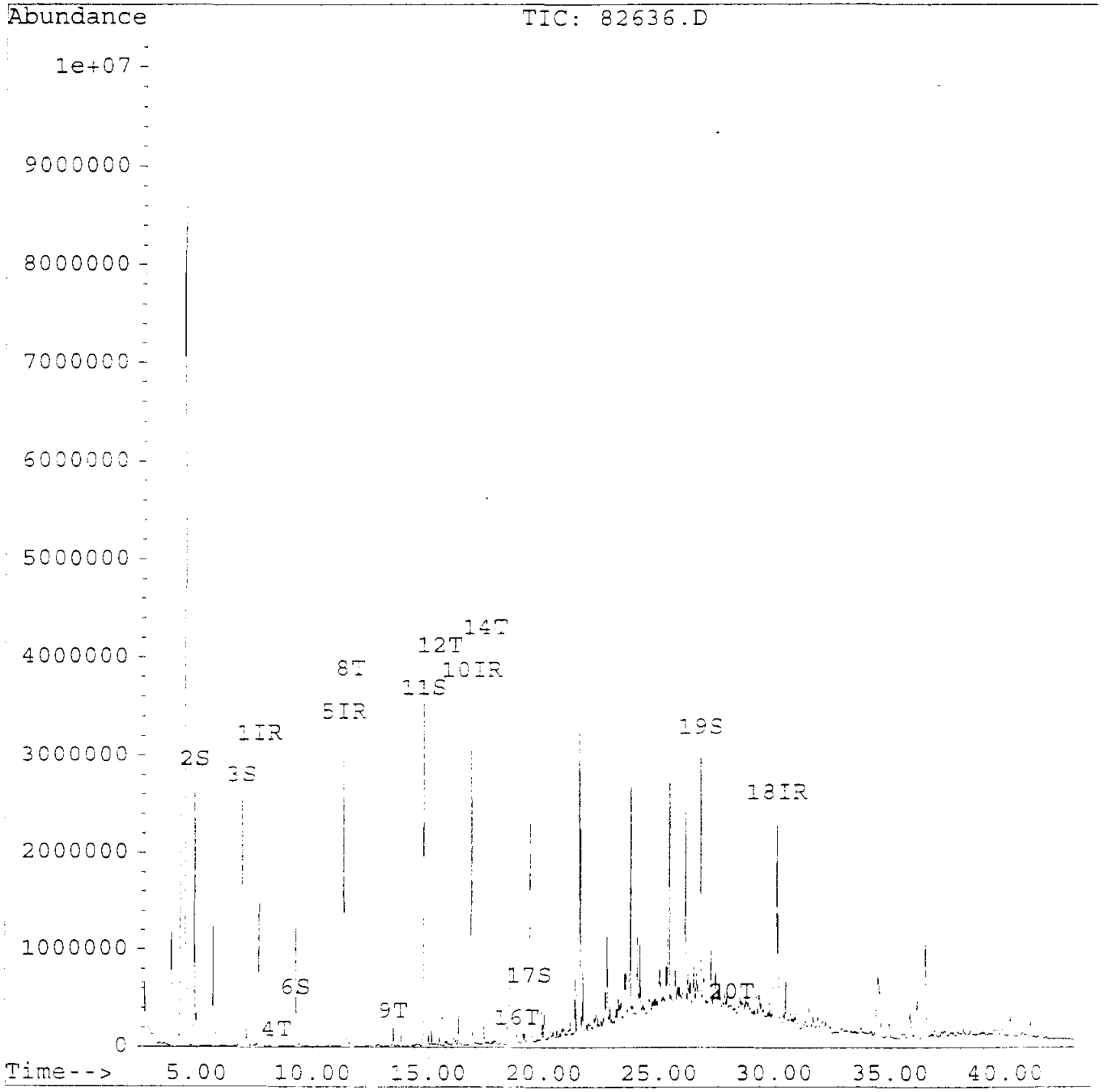
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82636.D
Acq On : 16 Aug 95 9:28 pm
Sample : 82636 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:24 1995

Vial: 8
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



001579

DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 21, 1995

Analysis to be run _____

Technician Kim Brock

Sample Number 82636 950918 FW IW SL1007

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.44g	3.26g	2.18	40%

Oven Temperature 105°

Time in 5:30 pm

Time out 11:00 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}]}{\text{wt. of sample (g)}} \times 100$$

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950718-FW-IW-SL0025
Control No.: 82638
Prep Date: 7/21/95
Sample Date: 7/18/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 11:36
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	384	384
Acenaphthylene	<	384	384
Anthracene	<	384	384
Benzo(a)anthracene	<	384	384
Benzo(b)fluoranthene	<	384	384
Benzo(k)fluoranthene	<	384	384
Benzo(g,h,i)perylene	<	384	384
Benzo(a)pyrene	<	384	384
Benzyl alcohol	<	384	384
bis(2-Chloroethoxy)methane	<	384	384
bis(2-Chloroethyl)ether	<	384	384
bis(2-Chloroisopropyl)ether	<	384	384
bis(2-Ethylhexyl)phthalate	<	384	384
4-Bromophenyl phenyl ether	<	384	384
p-Chloroaniline	<	767	767
4-Chloro-3-methylphenol	<	384	384
2-Chloronaphthalene	<	384	384
2-Chlorophenol	<	384	384
4-Chlorophenylphenyl ether	<	384	384
Chrysene	<	384	384
Dibenz(a,h)anthracene	<	384	384
Dibenzofuran	<	384	384
Di-n-butylphthalate		4324	384
1,2-Dichlorobenzene	<	384	384
1,3-Dichlorobenzene	<	384	384
1,4-Dichlorobenzene	<	384	384
2,4-Dichlorophenol	<	384	384
2,6-Dichlorophenol	<	384	384
Diethylphthalate	<	384	384
3,3'-Dimethylbenzidine	<	1977	1977
2,4-Dimethylphenol	<	384	384
Dimethylphthalate	<	384	384
2,4-Dinitrophenol	<	1977	1977

2,4-Dinitrotoluene	<	384	384
2,6-Dinitrotoluene	<	384	384
Di-n-octylphthalate	<	384	384
Fluoranthene	<	384	384
Fluorene	<	384	384
Hexachlorobenzene	<	384	384
Hexachlorobutadiene	<	384	384
Hexachlorocyclopentadiene	<	384	384
Hexachloroethane	<	384	384
Indeno(1,2,3-cd)pyrene	<	384	384
Isophorone	<	384	384
2-Methyl-4,6-dinitrophenol	<	1977	1977
2-Methylnaphthalene	<	384	384
2-Methylphenol (o-cresol)	<	384	384
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	384	384
Naphthalene	<	384	384
2-Nitroaniline	<	1977	1977
3-Nitroaniline	<	1977	1977
4-Nitroaniline	<	1977	1977
Nitrobenzene	<	384	384
2-Nitrophenol	<	384	384
4-Nitrophenol	<	1977	1977
N-Nitrosodimethylamine	<	384	384
n-Nitrosodi-n-propylamine	<	384	384
Pentachlorophenol	<	1977	1977
Phenanthrene	<	384	384
Phenol	<	384	384
Pyrene	<	384	384
Pyridine	<	384	384
2,3,4,6-Tetrachlorophenol	<	1977	1977
1,2,4-Trichlorobenzene	<	384	384
2,4,5-Trichlorophenol	<	1977	1977
2,4,6-Trichlorophenol	<	384	384

Surrogate Recoveries		Range
2-Fluorophenol	36.4 %	25 - 121
Phenol-d5	38.0 %	24 - 113
Nitrobenzene-d5	34.4 %	23 - 120
2-Fluorobiphenyl	35.5 %	30 - 115
2,4,6-Tribromophenol	37.6 %	19 - 122
4-Terphenyl-d14	38.1 %	18 - 137

Percent Solids	86 %

Approved by: Jay Hancock

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82638.D Vial: 3
Acq On : 15 Aug 95 11:36 am Operator: LAW
Sample : 82638 30.1g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:05 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	707554	40.00 ug/ml	0.02
17) Naphthalene-d8	11.27	136	2954769	40.00 ug/ml	0.00
29) Acenaphthene-d10	16.81	164	1429912	40.00 ug/ml	0.02
45) Phenanthrene-d10	21.47	188	2037931	40.00 ug/ml	0.00
56) Chrysene-d12	29.98	240	1533594	40.00 ug/ml	-0.01
63) Perylene-d12	36.47	264	1319565	40.00 ug/ml	0.02
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.95	112	2036171	2424.88 ug/Kg	36.38%
5) Phenol-d5 (SURR)	6.96	99	2551696	2534.20 ug/Kg	38.02%
18) Nitrobenzene-d5 (SURROGATE	9.26	82	876818	1147.15 ug/Kg	34.42%
33) 2-Fluorobiphenyl (SURROGAT	14.74	172	1733730	1181.67 ug/Kg	35.45%
48) 2,4,6-Tribromophenol (SURR	19.35	330	442796	2509.31 ug/Kg	37.64%
58) p-Terphenyl-d14 (SURROGATE	26.71	244	1404482	1270.69 ug/Kg	38.12%
Target Compounds					Qvalue
2) Pyridine	0.00	79		Not Detected	
3) N-Nitrosodimethylamine	2.96	42	313243	1149.95 ug/Kg#	1
6) Phenol (CCC)	6.98	94	4089	3.90 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	7.24	128	2603	2.90 ug/Kg#	37
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	8.62	45	1308	1.43 ug/Kg#	100
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine(	0.00	70		Not Detected	
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.26	77	2365	3.06 ug/Kg#	16
20) Isophorone	10.20	82	1698	0.99 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	0.00	122		Not Detected	
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.32	128	11132	4.82 ug/Kg	97
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	0.00	107		Not Detected	
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82638.D Vial: 3
Acq On : 15 Aug 95 11:36 am Operator: LAW
Sample : 82638 30.1g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:05 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	16.29	152	2936	1.40 ug/Kg#	57
37) 2,6-Dinitrotoluene	0.00	165		Not Detected	
38) Acenaphthene (CCC)	16.81	154	4446	3.70 ug/Kg#	1
39) 2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40) 4-Nitrophenol (SPCC)	17.40	139	1058	2.94 ug/Kg#	39
41) 2,4-Dinitrotoluene	0.00	165		Not Detected	
42) Diethylphthalate	18.47	149	7531	5.09 ug/Kg	96
43) Fluorene	18.49	166	2131	1.54 ug/Kg#	59
44) 4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46) 4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47) N-Nitrosodiphenylamine (CC	18.98	169	2921	3.10 ug/Kg	97
49) 4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50) Hexachlorobenzene	0.00	284		Not Detected	
51) Pentachlorophenol (CCC)	0.00	266		Not Detected	
52) Phenanthrene	21.53	178	26197	14.33 ug/Kg	97
53) Anthracene	21.67	178	9377	5.09 ug/Kg	93
54) Di-n-butylphthalate	23.74	149	9464684	3719.03 ug/Kg	100
55) Fluoranthene (CCC)	25.35	202	34609	18.82 ug/Kg	9
57) Pyrene	26.04	202	31229	17.52 ug/Kg	100
59) Benzo(a)anthracene	29.90	228	29813	20.56 ug/Kg	91
60) Chrysene	30.06	228	32979	24.28 ug/Kg	97
61) Bis(2-ethylhexyl)phthalate	30.44	149	101879	73.24 ug/Kg	99
62) Di-n-octylphthalate (CCC)	32.91	149	401041	154.96 ug/Kg	88
64) Benzo(b)fluoranthene	34.34	252	44521	31.72 ug/Kg	87
65) Benzo(k)fluoranthene	34.34	252	44721	37.32 ug/Kg	87
66) Benzo(a)pyrene (CCC)	36.06	252	18803	16.91 ug/Kg	83
67) Indeno(1,2,3-cd)pyrene	40.93	276	9381	9.93 ug/Kg	92
68) Dibenzo(a,h)anthracene	41.02	278	3785	4.85 ug/Kg#	41
69) Benzo(g,h,i)perylene	41.80	276	8789	11.81 ug/Kg	81

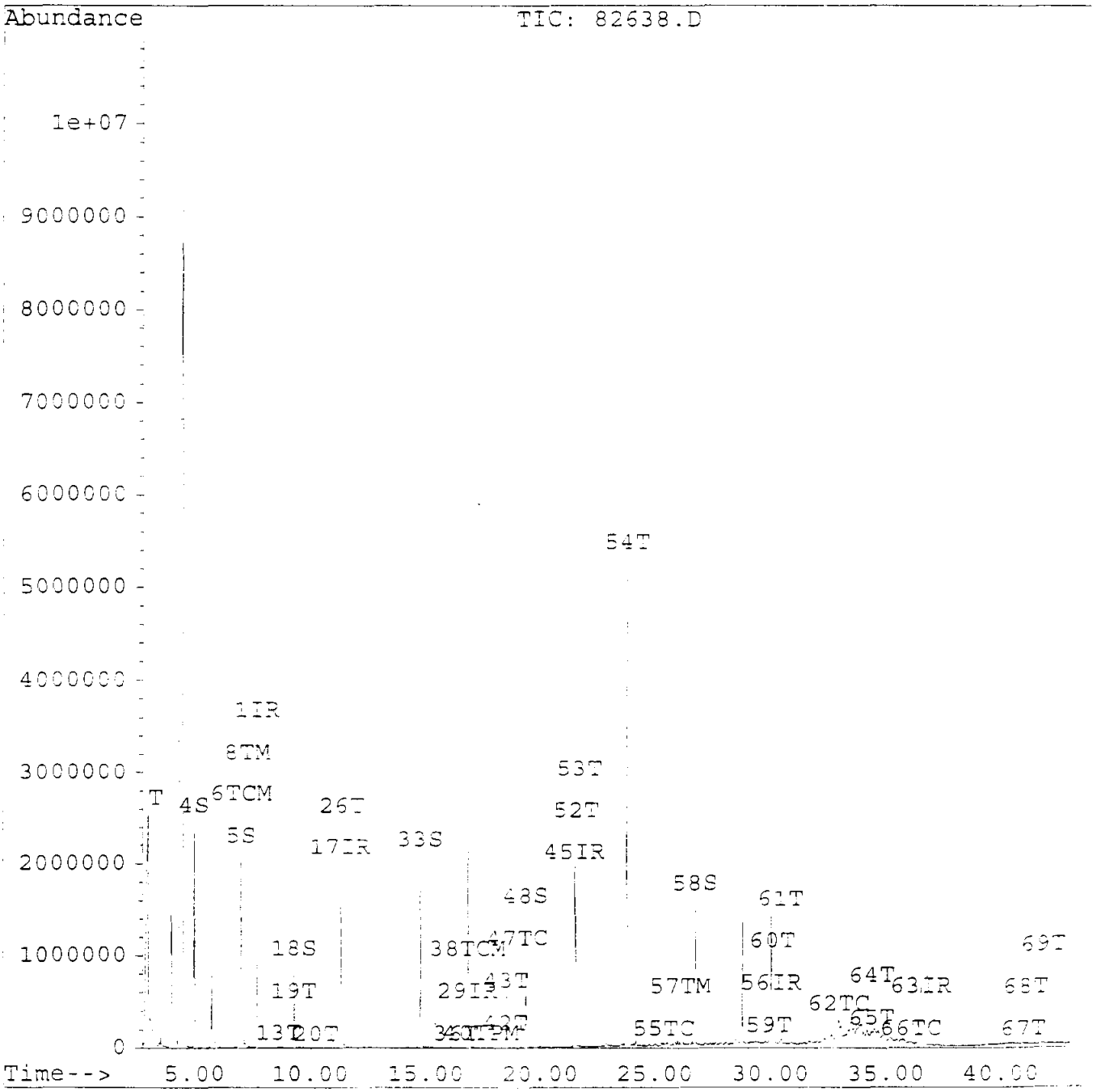
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82638.D
Acq On : 15 Aug 95 11:36 am
Sample : 82638 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:05 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



001585

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82638.D
Acq On : 16 Aug 95 5:23 pm
Sample : 82638 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:26 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	641254	40.00	ug/ml	0.01
5) Naphthalene-d8	11.29	136	2569287	40.00	ug/ml	0.00
10) Acenaphthene-d10	16.81	164	1266787	40.00	ug/ml	0.00
18) Chrysene-d12	29.99	240	1381071	40.00	ug/ml	0.01
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.95	112	1805539	68.91	ug/Kg	34.46%
3) Phenol-d5 (SURR)	6.97	99	2256269	69.45	ug/Kg	34.73%
6) Nitrobenzene-d5 (SURROGATE	9.27	82	754341	33.02	ug/Kg	33.02%
11) 2-Fluorobiphenyl (SURROGAT	14.75	172	1533776	33.59	ug/Kg	33.59%
17) 2,4,6-Tribromophenol (SURR	19.35	330	386447	64.48	ug/Kg	32.24%
19) p-Terphenyl-d14 (SURROGATE	26.71	244	1288887	35.66	ug/Kg	35.66%
Target Compounds						Qvalue
4) Benzyl alcohol	0.00	108		Not Detected		
7) 2,6-Dichlorophenol	0.00	162		Not Detected		
8) 4-Chloroaniline	0.00	127		Not Detected		
9) 2-Methylnaphthalene	13.48	142	3102	2.42	ug/Kg	8
12) 2-Nitroaniline	0.00	65		Not Detected		
13) 3-Nitroaniline	0.00	138		Not Detected		
14) Dibenzofuran	17.42	168	3113	1.81	ug/Kg#	45
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	18.86	138	3895	10.54	ug/Kg#	11
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected		

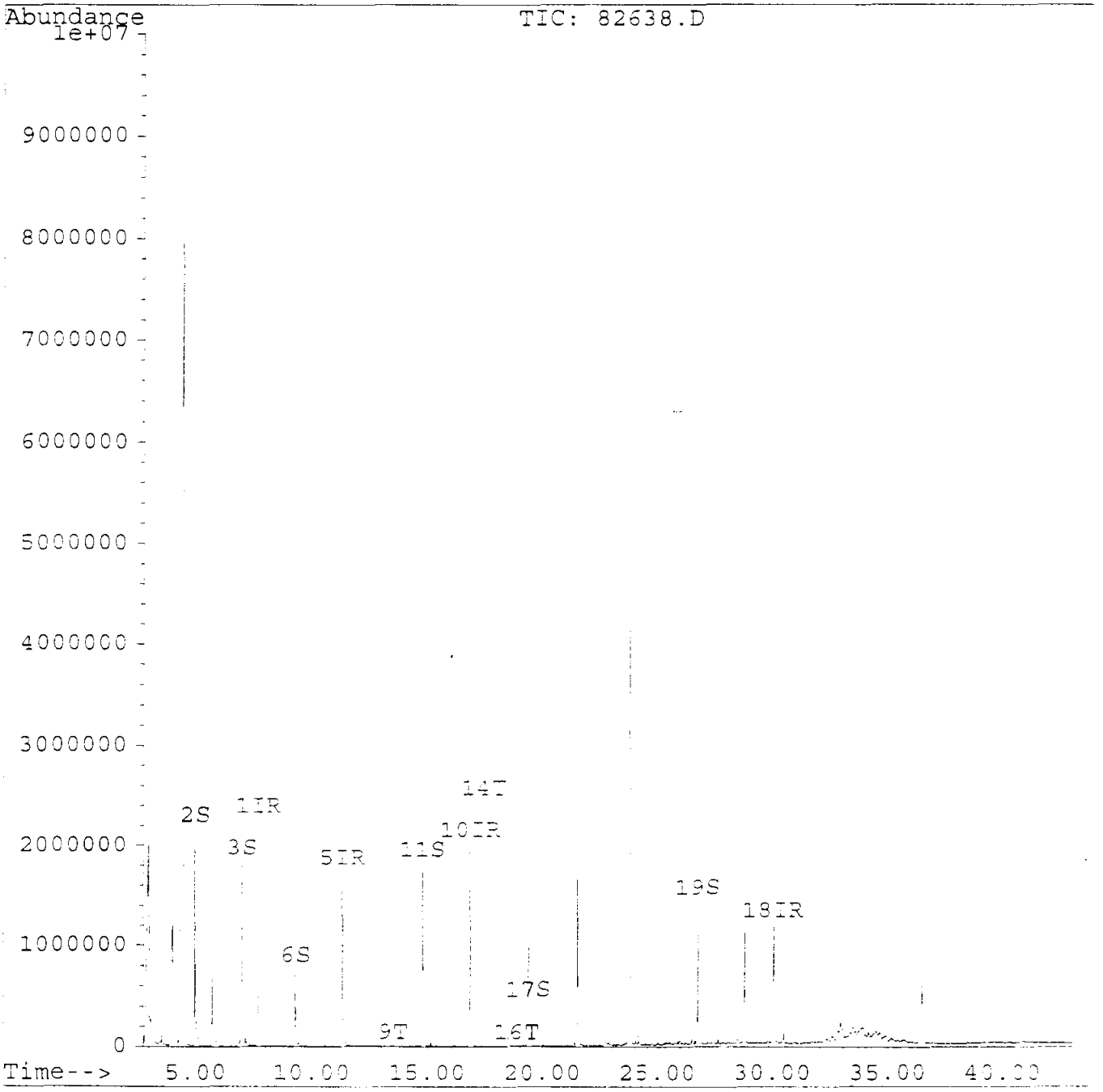
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82638.D
Acq On : 16 Aug 95 5:23 pm
Sample : 82638 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:26 1995

Vial: 3
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



001587

DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 21, 1995

Analysis to be run _____

Technician Kim Brock

Sample Number 82638 950718 fw-iw SL0025

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.00g	4.32g	.68	14%

Oven Temperature 105°

Time in 5:30 pm

Time cut 11:00 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date: 11/17/95
ID number: 950719-FW-IW-SL0020
Control No.: 82685
Prep Date: 7/24/95
Sample Date: 7/19/95
Sampled by: K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 7:25PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	733	733
Acenaphthylene	<	733	733
Anthracene	<	733	733
Benzo(a)anthracene	<	733	733
Benzo(b)fluoranthene	<	733	733
Benzo(k)fluoranthene	<	733	733
Benzo(g,h,i)perylene	<	733	733
Benzo(a)pyrene	<	733	733
Benzyl alcohol	<	733	733
bis(2-Chloroethoxy)methane	<	733	733
bis(2-Chloroethyl)ether	<	733	733
bis(2-Chloroisopropyl)ether	<	733	733
bis(2-Ethylhexyl)phthalate		1380	733
4-Bromophenyl phenyl ether	<	733	733
p-Chloroaniline	<	1467	1467
4-Chloro-3-methylphenol	<	733	733
2-Chloronaphthalene	<	733	733
2-Chlorophenol	<	733	733
4-Chlorophenylphenyl ether	<	733	733
Chrysene	<	733	733
Dibenz(a,h)anthracene	<	733	733
Dibenzofuran	<	733	733
Di-n-butylphthalate		1373	733
1,2-Dichlorobenzene	<	733	733
1,3-Dichlorobenzene	<	733	733
1,4-Dichlorobenzene	<	733	733
2,4-Dichlorophenol	<	733	733
2,6-Dichlorophenol	<	733	733
Diethylphthalate	<	733	733
3,3'-Dimethylbenzidine	<	3778	3778
2,4-Dimethylphenol	<	733	733
Dimethylphthalate	<	733	733
2,4-Dinitrophenol	<	3778	3778

2,4-Dinitrotoluene	<	733	733
2,6-Dinitrotoluene	<	733	733
Di-n-octylphthalate	<	733	733
Fluoranthene	<	733	733
Fluorene	<	733	733
Hexachlorobenzene	<	733	733
Hexachlorobutadiene	<	733	733
Hexachlorocyclopentadiene	<	733	733
Hexachloroethane	<	733	733
Indeno(1,2,3-cd)pyrene	<	733	733
Isophorone	<	733	733
2-Methyl-4,6-dinitrophenol	<	3778	3778
2-Methylnaphthalene	<	733	733
2-Methylphenol (o-cresol)	<	733	733
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	733	733
Naphthalene	<	733	733
2-Nitroaniline	<	3778	3778
3-Nitroaniline	<	3778	3778
4-Nitroaniline	<	3778	3778
Nitrobenzene	<	733	733
2-Nitrophenol	<	733	733
4-Nitrophenol	<	3778	3778
N-Nitrosodimethylamine	<	733	733
n-Nitrosodi-n-propylamine	<	733	733
Pentachlorophenol	<	3778	3778
Phenanthrene	<	733	733
Phenol	<	733	733
Pyrene	<	733	733
Pyridine	<	733	733
2,3,4,6-Tetrachlorophenol	<	3778	3778
1,2,4-Trichlorobenzene	<	733	733
2,4,5-Trichlorophenol	<	3778	3778
2,4,6-Trichlorophenol	<	733	733

Surrogate Recoveries		Range
2-Fluorophenol	61.1 %	25 - 121
Phenol-d5	68.3 %	24 - 113
Nitrobenzene-d5	70.6 %	23 - 120
2-Fluorobiphenyl	76.2 %	30 - 115
2,4,6-Tribromophenol	75.6 %	19 - 122
4-Terphenyl-d14	82.4 %	18 - 137

Percent Solids 45 %

Approved by: Jerry Hancastle

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82685.D Vial: 12
Acq On : 15 Aug 95 7:25 pm Operator: LAW
Sample : 82685 30.1g/1ml 1ul injected Inst : 5971- GC/
Misc : Sloss Industries soils Multiplr: 33.20
Quant Time: Nov 16 14:07 1995

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	862760	40.00 ug/ml	0.05
17) Naphthalene-d8	11.30	136	3390516	40.00 ug/ml	0.03
29) Acenaphthene-d10	16.83	164	1629793	40.00 ug/ml	0.04
45) Phenanthrene-d10	21.51	188	2253430	40.00 ug/ml	0.04
56) Chrysene-d12	30.03	240	1600780	40.00 ug/ml	0.03
63) Perylene-d12	36.52	264	1099021	40.00 ug/ml	0.07
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	5.00	112	4173271	4075.89 ug/Kg	61.14%
5) Phenol-d5 (SURR)	7.01	99	5586873	4550.41 ug/Kg	68.26%
18) Nitrobenzene-d5 (SURROGATE	9.30	82	2062423	2351.50 ug/Kg	70.55%
33) 2-Fluorobiphenyl (SURROGAT	14.77	172	4249555	2541.17 ug/Kg	76.24%
48) 2,4,6-Tribromophenol (SURR	19.39	330	983838	5042.19 ug/Kg	75.64%
58) p-Terphenyl-d14 (SURROGATE	26.75	244	3168522	2746.36 ug/Kg	82.40%
Target Compounds					Qvalue
2) Pyridine	2.79	79	5754	6.13 ug/Kg#	64
3) N-Nitrosodimethylamine	2.74	42	1324	3.99 ug/Kg#	1
6) Phenol (CCC)	7.03	94	15190	11.88 ug/Kg#	1
7) Bis(2-chloroethyl)ether	6.99	93	1256	1.15 ug/Kg#	1
8) 2-Chlorophenol	7.27	128	7605	6.95 ug/Kg	84
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	8.52	108	3086	3.12 ug/Kg#	74
13) Bis(2-chloroisopropyl)ethe	8.53	45	1190	1.07 ug/Kg#	100
14) m,p-Cresol	8.93	107	8070	7.76 ug/Kg	90
15) n-Nitrosodi-n-propylamine(	9.19	70	1359	2.47 ug/Kg#	1
16) Hexachloroethane	9.10	117	1510	4.55 ug/Kg#	14
19) Nitrobenzene	9.30	77	6273	7.07 ug/Kg#	16
20) Isophorone	10.17	82	4089	2.08 ug/Kg#	54
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.44	122	4184	4.71 ug/Kg	91
23) Bis(2-chloroethoxy)methane	10.71	93	1656	1.33 ug/Kg#	41
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.36	128	469586	177.36 ug/Kg	100
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	13.15	107	1907	2.45 ug/Kg#	4
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	15.20	162	1600	1.17 ug/Kg#	40
35) Dimethylphthalate	16.22	163	2351	1.38 ug/Kg#	77

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0815\82685.D
Acq On : 15 Aug 95 7:25 pm
Sample : 82685 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:07 1995

Vial: 12
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Acenaphthylene	16.32	152	94462	39.40 ug/Kg	97
37) 2,6-Dinitrotoluene	16.50	165	4102	10.13 ug/Kg#	36
38) Acenaphthene (CCC)	16.91	154	13559	9.90 ug/Kg	97
39) 2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40) 4-Nitrophenol (SPCC)	17.42	139	36910	90.03 ug/Kg#	39
41) 2,4-Dinitrotoluene	17.71	165	2466	4.68 ug/Kg#	44
42) Diethylphthalate	18.51	149	15658	9.28 ug/Kg	72
43) Fluorene	18.51	166	109426	69.30 ug/Kg	95
44) 4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46) 4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47) N-Nitrosodiphenylamine (CC	19.06	169	14598	14.03 ug/Kg#	32
49) 4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50) Hexachlorobenzene	0.00	284		Not Detected	
51) Pentachlorophenol (CCC)	0.00	266		Not Detected	
52) Phenanthrene	21.57	178	534476	264.48 ug/Kg	98
53) Anthracene	21.70	178	138736	68.14 ug/Kg	97
54) Di-n-butylphthalate	23.73	149	1660853	590.20 ug/Kg	99
55) Fluoranthene (CCC)	25.38	202	449501	221.02 ug/Kg	9[illegible]
57) Pyrene	26.08	202	346730	186.35 ug/Kg	9[illegible]
59) Benzo(a)anthracene	29.95	228	163553	108.14 ug/Kg#	50
60) Chrysene	30.09	228	215190	151.81 ug/Kg	96
61) Bis(2-ethylhexyl)phthalate	30.48	149	897290	618.01 ug/Kg	99
62) Di-n-octylphthalate (CCC)	32.95	149	44830	16.59 ug/Kg#	95
64) Benzo(b)fluoranthene	34.41	252	185903	159.02 ug/Kg	96
65) Benzo(k)fluoranthene	34.41	252	192028	192.43 ug/Kg	95
66) Benzo(a)pyrene (CCC)	36.13	252	73529	79.42 ug/Kg	88
67) Indeno(1,2,3-cd)pyrene	40.97	276	30010	38.14 ug/Kg	87
68) Dibenzo(a,h)anthracene	41.06	278	13933	21.43 ug/Kg	87
69) Benzo(g,h,i)perylene	41.83	276	27367	44.15 ug/Kg	97

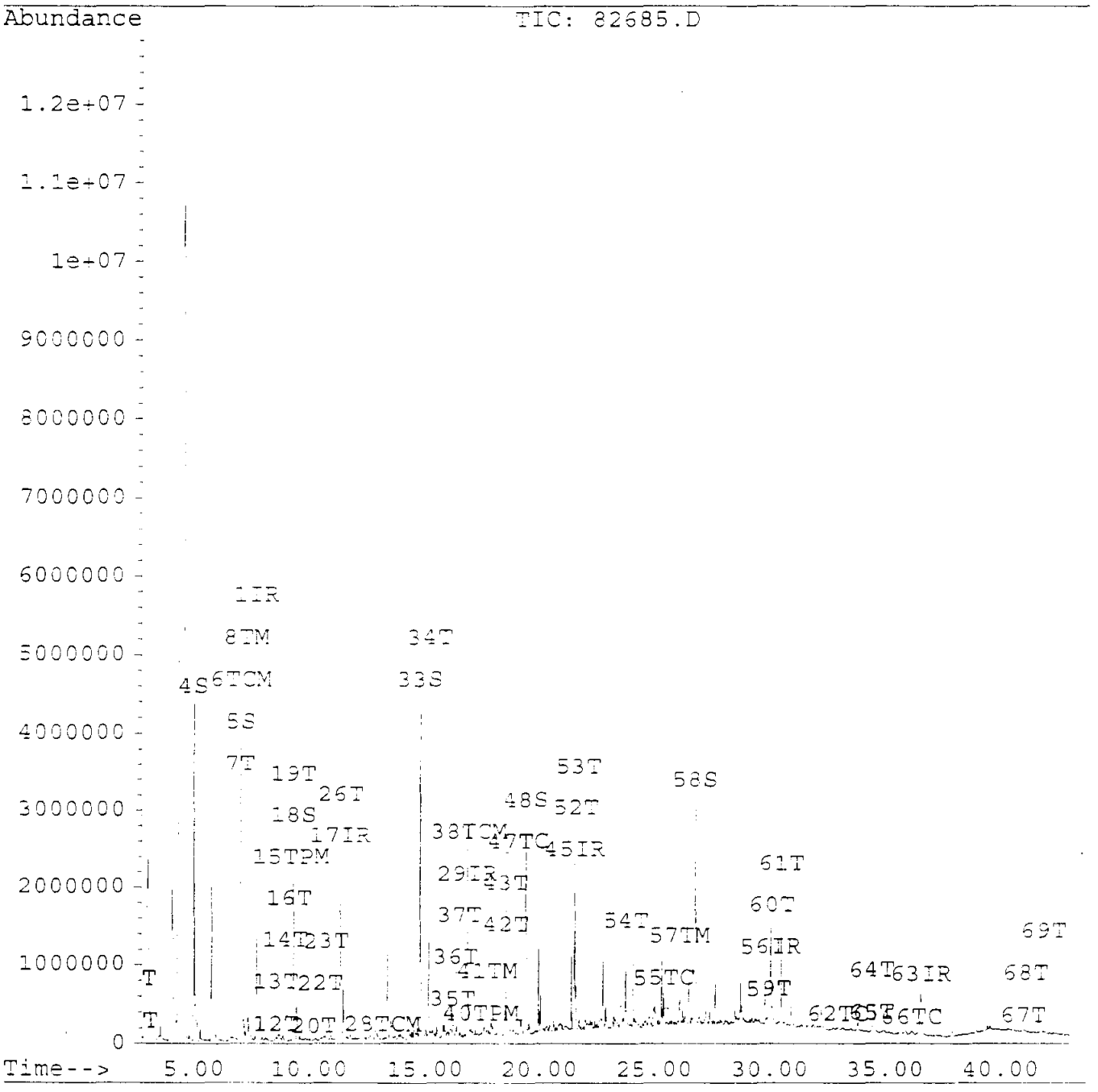
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0815\82685.D
Acq On : 15 Aug 95 7:25 pm
Sample : 82685 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:07 1995

Vial: 12
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82685.D
Acq On : 16 Aug 95 8:39 pm
Sample : 82685 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:26 1995

Vial: 7
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

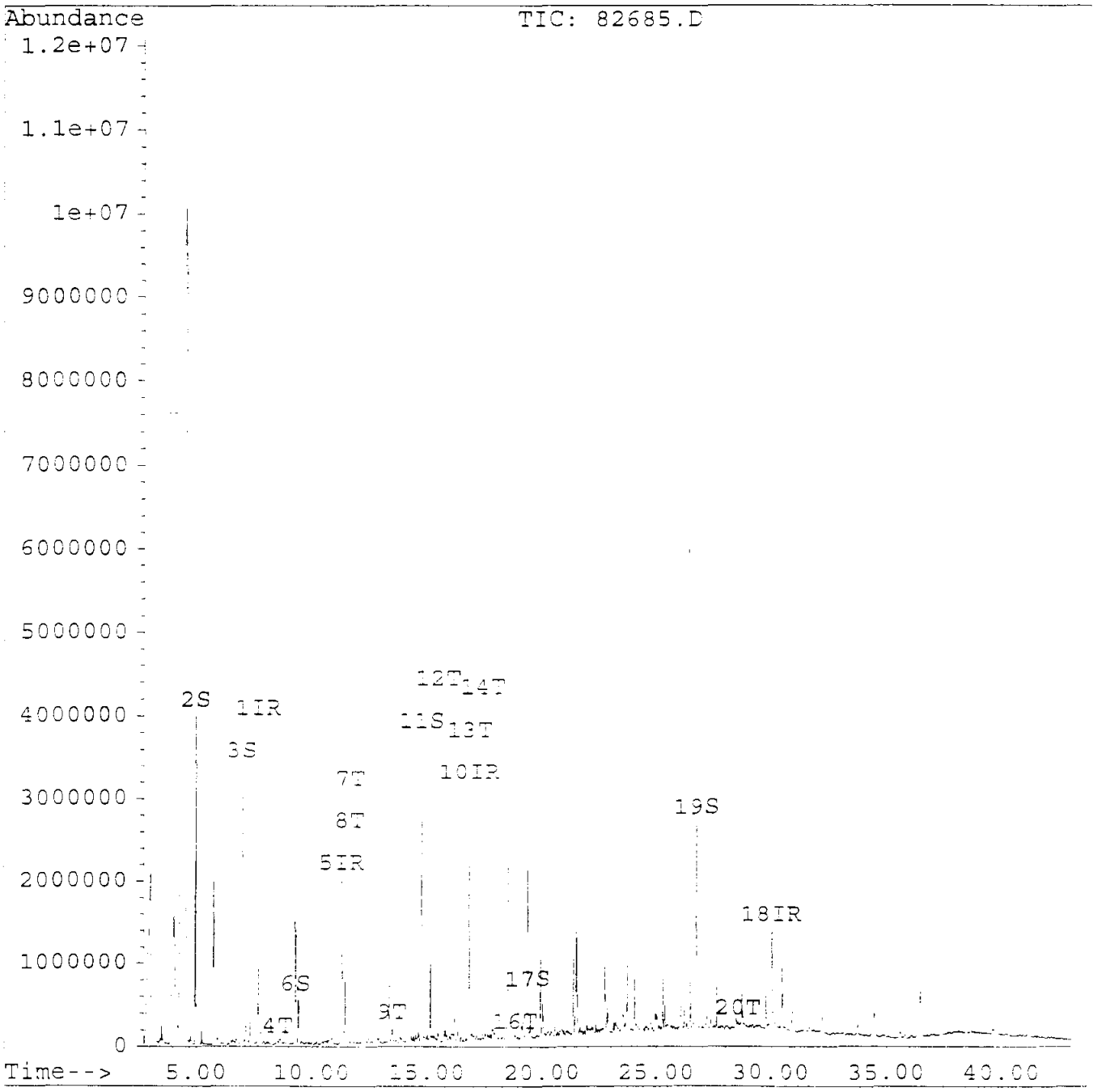
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	745191	40.00	ug/ml	0.01
5) Naphthalene-d8	11.27	136	2874382	40.00	ug/ml	-0.01
10) Acenaphthene-d10	16.80	164	1370449	40.00	ug/ml	0.00
18) Chrysene-d12	29.99	240	1408952	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) 2-Fluorophenol (SURR)	4.99	112	3699135	121.50	ug/Kg	60.75%
3) Phenol-d5 (SURR)	6.99	99	4762441	126.15	ug/Kg	63.07%
6) Nitrobenzene-d5 (SURROGATE	9.28	82	1754849	68.67	ug/Kg	68.67%
11) 2-Fluorobiphenyl (SURROGAT	14.75	172	3549985	71.87	ug/Kg	71.87%
17) 2,4,6-Tribromophenol (SURR	19.36	330	821151	126.66	ug/Kg	63.33%
19) p-Terphenyl-d14 (SURROGATE	26.72	244	2781987	75.45	ug/Kg	75.45%
Target Compounds						Qvalue
4) Benzyl alcohol	8.51	108	2513	3.90	ug/Kg#	72
7) 2,6-Dichlorophenol	11.62	162	1313	2.04	ug/Kg#	16
8) 4-Chloroaniline	11.61	127	1136	1.13	ug/Kg	90
9) 2-Methylnaphthalene	13.46	142	155406	108.24	ug/Kg	9
12) 2-Nitroaniline	15.46	65	1197	3.10	ug/Kg#	1
13) 3-Nitroaniline	16.86	138	1760	3.85	ug/Kg#	66
14) Dibenzofuran	17.39	168	102329	54.99	ug/Kg	99
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected		
16) 4-Nitroaniline	18.83	138	4613	11.54	ug/Kg#	11
20) 3,3-Dimethylbenzidine	28.52	212	1610	2.45	ug/Kg#	62

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0816\82685.D
Acq On : 16 Aug 95 8:39 pm
Sample : 82685 30.1g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:26 1995

Vial: 7
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 24, 1995

Analysis to be run _____

Technician Kim Brock/Dawn Horncastle

Sample Number 82685 950219 - FW-IV SW020

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.00g	2.26g	2.74	55%

Oven Temperature 105°

Time in 6:00 pm

Time out 10:30 Am

$$\% \text{ Moisture} = \frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$$

GUARDIAN SYSTEMS, INC.
P.O. BOX 190
LEEDS, ALABAMA 35094
(205) 699-6647

Geraghty & Miller, Inc.
3820 Northdale Boulevard, Suite 200B
Tampa, Florida 33624
Atten: Cynthia Lee

Date : 11/17/95
ID number : 950719-FW-IW-SL0021
Control No.: 82687
Prep Date: 7/24/95
Sample Date: 7/19/95
Sampled by : K. Thalman/G&M

Semi-Volatile Organic Compounds
Method 8270
Analyist: LeeAnn Wallace, 15-Aug-95 12:25PM
Units - ug/Kg dw

Compounds		Results	Detection Limit
Acenaphthene	<	524	524
Acenaphthylene	<	524	524
Anthracene	<	524	524
Benzo(a)anthracene	<	524	524
Benzo(b)fluoranthene	<	524	524
Benzo(k)fluoranthene	<	524	524
Benzo(g,h,i)perylene	<	524	524
Benzo(a)pyrene	<	524	524
Benzyl alcohol	<	524	524
bis(2-Chloroethoxy)methane	<	524	524
bis(2-Chloroethyl)ether	<	524	524
bis(2-Chloroisopropyl)ether	<	524	524
bis(2-Ethylhexyl)phthalate	<	524	524
4-Bromophenyl phenyl ether	<	524	524
p-Chloroaniline	<	1048	1048
4-Chloro-3-methylphenol	<	524	524
2-Chloronaphthalene	<	524	524
2-Chlorophenol	<	524	524
4-Chlorophenylphenyl ether	<	524	524
Chrysene	<	524	524
Dibenz(a,h)anthracene	<	524	524
Dibenzofuran	<	524	524
Di-n-butylphthalate	<	524	524
1,2-Dichlorobenzene	<	524	524
1,3-Dichlorobenzene	<	524	524
1,4-Dichlorobenzene	<	524	524
2,4-Dichlorophenol	<	524	524
2,6-Dichlorophenol	<	524	524
Diethylphthalate	<	524	524
3,3'-Dimethylbenzidine	<	2698	2698
2,4-Dimethylphenol	<	524	524
Dimethylphthalate	<	524	524
2,4-Dinitrophenol	<	2698	2698

2,4-Dinitrotoluene	<	524	524
2,6-Dinitrotoluene	<	524	524
Di-n-octylphthalate	<	524	524
Fluoranthene	<	524	524
Fluorene	<	524	524
Hexachlorobenzene	<	524	524
Hexachlorobutadiene	<	524	524
Hexachlorocyclopentadiene	<	524	524
Hexachloroethane	<	524	524
Indeno(1,2,3-cd)pyrene	<	524	524
Isophorone	<	524	524
2-Methyl-4,6-dinitrophenol	<	2698	2698
2-Methylnaphthalene	<	524	524
2-Methylphenol (o-cresol)	<	524	524
3-Methylphenol/4-Methylphenol(m&p-cresol)	<	524	524
Naphthalene	<	524	524
2-Nitroaniline	<	2698	2698
3-Nitroaniline	<	2698	2698
4-Nitroaniline	<	2698	2698
Nitrobenzene	<	524	524
2-Nitrophenol	<	524	524
4-Nitrophenol	<	2698	2698
N-Nitrosodimethylamine	<	524	524
n-Nitrosodi-n-propylamine	<	524	524
Pentachlorophenol	<	2698	2698
Phenanthrene	<	524	524
Phenol	<	524	524
Pyrene	<	524	524
Pyridine	<	524	524
2,3,4,6-Tetrachlorophenol	<	2698	2698
1,2,4-Trichlorobenzene	<	524	524
2,4,5-Trichlorophenol	<	2698	2698
2,4,6-Trichlorophenol	<	524	524

Surrogate Recoveries		Range
2-Fluorophenol	28.2 %	25 - 121
Phenol-d5	31.1 %	24 - 113
Nitrobenzene-d5	31.7 %	23 - 120
2-Fluorobiphenyl	35.2 %	30 - 115
2,4,6-Tribromophenol	35.2 %	19 - 122
4-Terphenyl-d14	39.9 %	18 - 137

Percent Solids	63 %

Approved by: [signature]

Data File : C:\HPCHEM\1\DATA\0815\82687.D
Acq On : 15 Aug 95 12:25 pm
Sample : 82687 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:10 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	933199	40.00 ug/ml	0.04
17) Naphthalene-d8	11.28	136	3576068	40.00 ug/ml	0.00
29) Acenaphthene-d10	16.81	164	1580408	40.00 ug/ml	0.02
45) Phenanthrene-d10	21.48	188	2073698	40.00 ug/ml	0.01
56) Chrysene-d12	29.99	240	1508964	40.00 ug/ml	0.00
63) Perylene-d12	36.46	264	1266723	40.00 ug/ml	0.01
System Monitoring Compounds					%Recovery
4) 2-Fluorophenol (SURR)	4.97	112	2072406	1876.91 ug/Kg	28.16%
5) Phenol-d5 (SURR)	6.97	99	2740785	2070.04 ug/Kg	31.05%
18) Nitrobenzene-d5 (SURROGATE	9.27	82	975871	1057.51 ug/Kg	31.73%
33) 2-Fluorobiphenyl (SURROGAT	14.74	172	1895877	1172.65 ug/Kg	35.18%
48) 2,4,6-Tribromophenol (SURR	19.35	330	419424	2342.90 ug/Kg	35.15%
58) p-Terphenyl-d14 (SURROGATE	26.71	244	1440608	1328.64 ug/Kg	39.86%
Target Compounds					Qvalue
2) Pyridine	2.81	79	6713	6.63 ug/Kg#	73
3) N-Nitrosodimethylamine	2.95	42	127189	355.09 ug/Kg#	1
6) Phenol (CCC)	6.99	94	9617	6.97 ug/Kg#	1
7) Bis(2-chloroethyl)ether	0.00	93		Not Detected	
8) 2-Chlorophenol	7.26	128	4362	4.12 ug/Kg	94
9) 1,3-Dichlorobenzene	0.00	146		Not Detected	
10) 1,4-Dichlorobenzene (CCC)	0.00	146		Not Detected	
11) 1,2-Dichlorobenzene	0.00	146		Not Detected	
12) o-Cresol	0.00	108		Not Detected	
13) Bis(2-chloroisopropyl)ethe	8.62	45	1120	0.93 ug/Kg#	100
14) m,p-Cresol	0.00	107		Not Detected	
15) n-Nitrosodi-n-propylamine(	8.94	70	1073	1.81 ug/Kg#	1
16) Hexachloroethane	0.00	117		Not Detected	
19) Nitrobenzene	9.26	77	2277	2.44 ug/Kg#	16
20) Isophorone	0.00	82		Not Detected	
21) 2-Nitrophenol (CCC)	0.00	139		Not Detected	
22) 2,4-Dimethylphenol	10.59	122	1012	1.08 ug/Kg#	1
23) Bis(2-chloroethoxy)methane	0.00	93		Not Detected	
24) 2,4-Dichlorophenol (CCC)	0.00	162		Not Detected	
25) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
26) Naphthalene	11.34	128	1862	0.67 ug/Kg#	72
27) Hexachlorobutadiene (CCC)	0.00	225		Not Detected	
28) 4-Chloro-3-methylphenol(CC	13.16	107	2915	3.57 ug/Kg	81
30) Hexachlorocyclopentadiene(	0.00	237		Not Detected	
31) 2,4,5-Trichlorophenol	0.00	196		Not Detected	
32) 2,4,6-Trichlorophenol (CCC	0.00	196		Not Detected	
34) 2-Chloronaphthalene	0.00	162		Not Detected	
35) Dimethylphthalate	0.00	163		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0815\82687.D
Acq On : 15 Aug 95 12:25 pm
Sample : 82687 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:10 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration

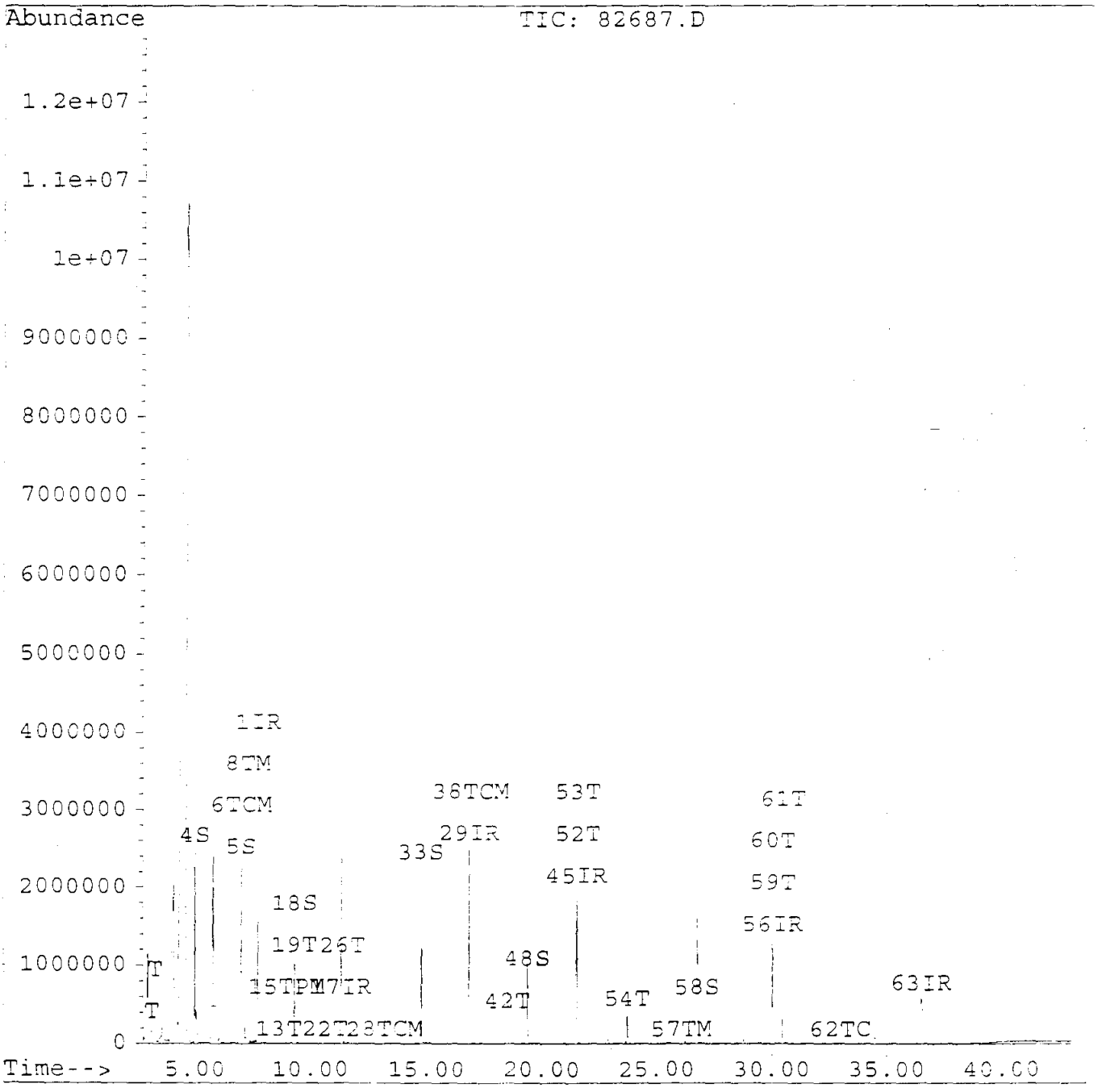
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Acenaphthylene	0.00	152		Not Detected	
37)	2,6-Dinitrotoluene	0.00	165		Not Detected	
38)	Acenaphthene (CCC)	16.89	154	1755	1.33 ug/Kg	86
39)	2,4-Dinitrophenol (SPCC)	0.00	184		Not Detected	
40)	4-Nitrophenol (SPCC)	0.00	139		Not Detected	
41)	2,4-Dinitrotoluene	0.00	165		Not Detected	
42)	Diethylphthalate	18.49	149	4568	2.80 ug/Kg#	54
43)	Fluorene	0.00	166		Not Detected	
44)	4-Chlorophenyl phenyl ethe	0.00	204		Not Detected	
46)	4,6-Dinitro-2-methylphenol	0.00	198		Not Detected	
47)	N-Nitrosodiphenylamine (CC	0.00	169		Not Detected	
49)	4-Bromophenyl phenyl ether	0.00	248		Not Detected	
50)	Hexachlorobenzene	0.00	284		Not Detected	
51)	Pentachlorophenol (CCC)	0.00	266		Not Detected	
52)	Phenanthrene	21.53	178	2108	1.14 ug/Kg#	60
53)	Anthracene	21.53	178	1635	0.88 ug/Kg#	60
54)	Di-n-butylphthalate	23.70	149	533402	206.60 ug/Kg	99
55)	Fluoranthene (CCC)	0.00	202		Not Detected	
57)	Pyrene	26.04	202	4881	2.79 ug/Kg#	5
59)	Benzo(a)anthracene	29.99	228	4661	3.28 ug/Kg#	5.
60)	Chrysene	29.99	228	4661	3.50 ug/Kg#	48
61)	Bis(2-ethylhexyl)phthalate	30.45	149	239676	175.65 ug/Kg	99
62)	Di-n-octylphthalate (CCC)	32.95	149	5092	2.01 ug/Kg#	95
64)	Benzo(b)fluoranthene	0.00	252		Not Detected	
65)	Benzo(k)fluoranthene	0.00	252		Not Detected	
66)	Benzo(a)pyrene (CCC)	0.00	252		Not Detected	
67)	Indeno(1,2,3-cd)pyrene	0.00	276		Not Detected	
68)	Dibenzo(a,h)anthracene	0.00	278		Not Detected	
69)	Benzo(g,h,i)perylene	0.00	276		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0815\82687.D
Acq On : 15 Aug 95 12:25 pm
Sample : 82687 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:10 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.30

Method : C:\HPCHEM\1\METHODS\SLO1-15.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:43:27 1995
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\0816\82687.D
Acq On : 16 Aug 95 6:12 pm
Sample : 82687 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:25 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration

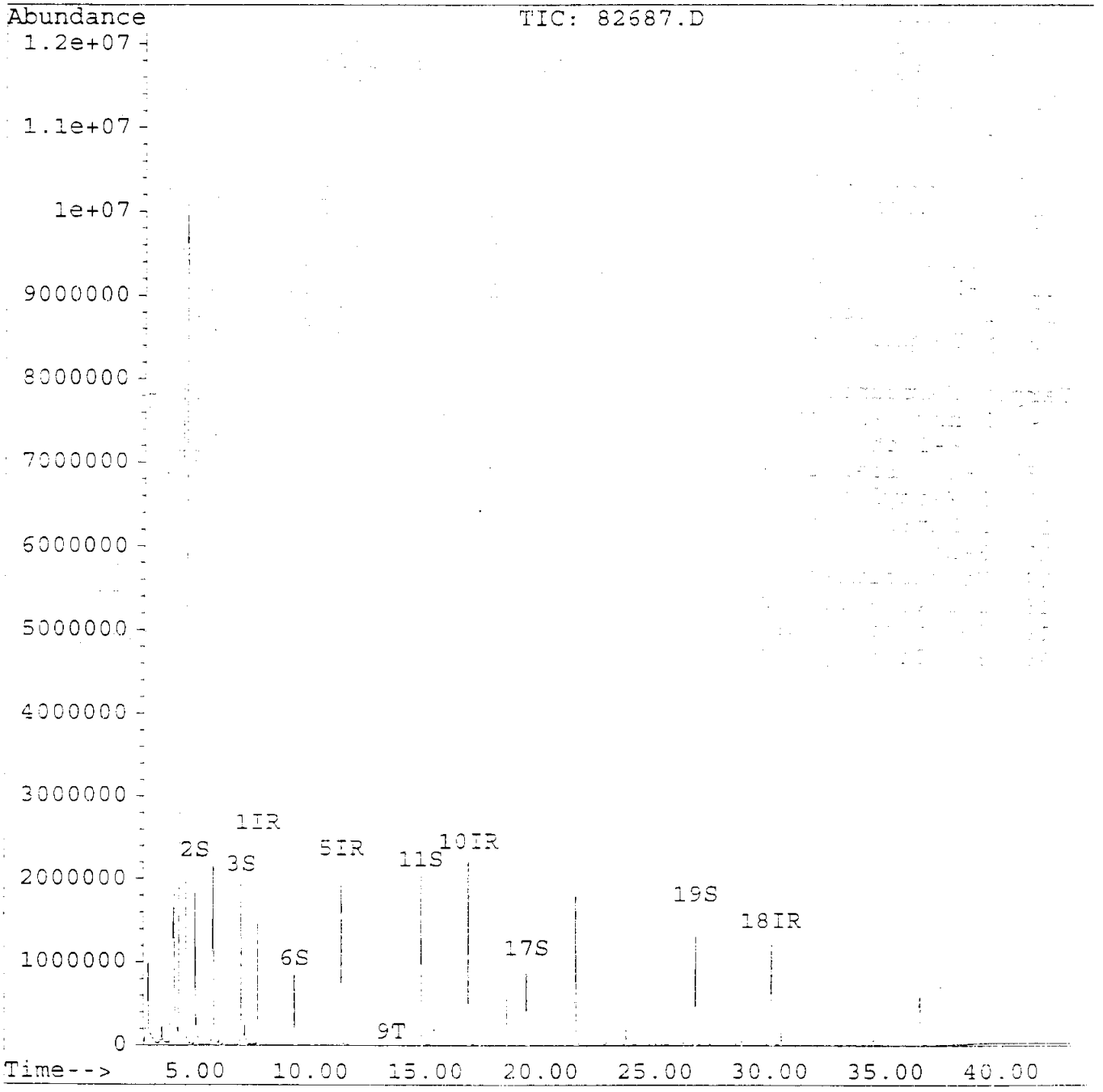
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	821456	40.00 ug/ml	0.02
5) Naphthalene-d8	11.29	136	3153969	40.00 ug/ml	0.00
10) Acenaphthene-d10	16.82	164	1505935	40.00 ug/ml	0.00
18) Chrysene-d12	30.00	240	1595430	40.00 ug/ml	0.01
System Monitoring Compounds					%Recovery
2) 2-Fluorophenol (SURR)	4.97	112	1835449	54.69 ug/Kg	27.34%
3) Phenol-d5 (SURR)	6.97	99	2380137	57.19 ug/Kg	28.60%
6) Nitrobenzene-d5 (SURROGATE	9.27	82	840143	29.96 ug/Kg	29.96%
11) 2-Fluorobiphenyl (SURROGAT	14.75	172	1757799	32.38 ug/Kg	32.38%
17) 2,4,6-Tribromophenol (SURR	19.35	330	390467	54.81 ug/Kg	27.40%
19) p-Terphenyl-d14 (SURROGATE	26.71	244	1516644	36.32 ug/Kg	36.32%
Target Compounds					Qvalue
4) Benzyl alcohol	0.00	108		Not Detected	
7) 2,6-Dichlorophenol	0.00	162		Not Detected	
8) 4-Chloroaniline	0.00	127		Not Detected	
9) 2-Methylnaphthalene	13.47	142	1151	0.73 ug/Kg	8
12) 2-Nitroaniline	0.00	65		Not Detected	
13) 3-Nitroaniline	0.00	138		Not Detected	
14) Dibenzofuran	0.00	168		Not Detected	
15) 2,3,4,6-Tetrachlorophenol	0.00	232		Not Detected	
16) 4-Nitroaniline	0.00	138		Not Detected	
20) 3,3-Dimethylbenzidine	0.00	212		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\0816\82687.D
Acq On : 16 Aug 95 6:12 pm
Sample : 82687 30.0g/1ml 1ul injected
Misc : Sloss Industries soils
Quant Time: Nov 16 14:25 1995

Vial: 4
Operator: LAW
Inst : 5971- GC/
Multiplr: 33.20

Method : C:\HPCHEM\1\METHODS\SLO2-16.M
Title : EPA METHOD
Last Update : Thu Nov 16 13:51:52 1995
Response via : Multiple Level Calibration



DETERMINATION OF PERCENT MOISTURE IN SOIL SAMPLES

Date July 24, 1995

Analysis to be run _____

Technician Kim Brock / Dawn Horncastle

Sample Number 82687 95019 FW IW SL002

Initial Sample Weight	Final Sample Weight	Weight Difference	Percent Moisture
5.43g	3.42g	2.01	37%

Oven Temperature 105°

Time in 10:00 pm

Time out 10:30 Am

% Moisture = $\frac{[\text{wt. of sample (g)} - \text{wt. of dry sample (g)}] \times 100}{\text{wt. of sample (g)}}$

I, J.W. GRASSIANO, am responsible for filing documents in the (Name of file) SLOSS IND, B'HAM file. The attached document, (Name of document) RFI – Facility Wide, VOL III of IV; ANALYTICAL DATA was originally submitted to the Alabama Department of Environmental Management in a 3-ring binder.

For ease of filing, only the binder has changed. No material has changed in the document. No other alterations have been made to said document, and it is otherwise in its original form as submitted to the Alabama Department of Environmental Management.

Done this 10TH of Feb, 1999.

Witness: