L1618100015
John Deere Harvester
ILD 025423054
SF/HRS

CERCLA
Site Inspection Prioritization Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

EPA Region 5 Records Ctr.
308636

Printed on Recycled Paper

SITE NAME: JOHN DEERE HARVESTER
ILD NUMBER: 025423054

SUMMARY

SAMPLING POINT	X101	X102	X103	X104	X105	X106	X107
	4-26-95	4-26-95	4-26-95	4-26-95	4-26-95	4-26-95	4-26-95
PARAMETER	(Background)						
VOLATILES							
2-Butanone (MEK)	14 U	--	--	--	2 J	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILES							
Phenol	440 U	59 J	--	--	--	--	--
Naphthalene	440 U	99 J	--	--	--	65 J	--
2-Methylnaphthalene	440 U	87 J	--	--	--	56 J	--
Acenaphthylene	440 U	--	--	--	--	140 J	--
Dibenzofuran	440 U	38 J	--	--	--	120 J	--
Fluorene	440 U	--	--	--	--	120 J	--
Phenanthrene	52 J	200 J	--	260 J	50 J	1700	410
Anthracene	440 U	--	--	--	--	280 J	86 J
Di-n-Butylphthalate	440 U	200 J	--	--	--	--	--
Fluoranthene	99 J	180 J	--	310 J	94 J	1800	570
Pyrene	90 J	230 J	--	230 J	85 J	1600	500
Benzo(a)anthracene	56 J	260 J	--	170 J	65 J	890	390
Chrysene	68 J	360 J	--	210 J	65 J	1000	410
bis(2-Ethylhexyl)phthalate	97 J	--	--	42 J	74 J	52 J	88 J
Benzo(b)fluoranthene	100 XJ	310 XJ	--	270 XJ	100 XJ	1300 X	600 X
Benzo(k)fluoranthene	110 XJ	230 XJ	--	290 XJ	110 XJ	1500 X	650 X
Benzo(a)pyrene	49 J	230 J	--	140 J	52 J	820	340 J
Indeno(1,2,3-cd)pyrene	440 U	60 J	--	65 J	--	380	200 J
Dibenz(a,h)anthracene	440 U	48 J	--	--	--	91 J	52 J
Benzo(g,h,i)perylene	440 U	120 J	--	83 J	--	430	210 J
Carbazole	440 U	--	--	43 J	--	180 J	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES							
beta-BHC	2.30 U	--	--	--	--	--	0.32 JP
delta-BHC	2.30 U	--	--	0.015 JP	--	--	--
gamma-BHC (Lindane)	2.30 U	--	--	0.22 JP	--	0.12 JP	--
Heptachlor	2.30 U	5.00 B	--	6.70 B	--	4.50 PB	3.60 PB
Aldrin	2.30 U	1.60 J	--	0.69 JP	--	0.41 JP	0.11 JP
Heptachlor epoxide	0.086 JP	0.043 JP	--	--	--	--	--
Dieldrin	1.00 J	1.30 JP	--	4.00 JP	3.50 JP	--	3.40 J
4,4'-DDE	1.70 J	--	--	--	1.10 JP	--	0.83 JP
Endrin	4.50 U	--	--	0.21 JP	--	--	--
4,4'-DDD	4.50 U	0.29 JP	0.055 JP	--	13.00 P	--	8.90
Endosulfan sulfate	4.50 U	--	--	--	0.05 JP	--	--
4,4'-DDT	2.10 J	--	--	0.14 JP	7.10 P	--	0.27 JP
Methoxychlor (Mariate)	23.00 U	9.90 J	--	7.10 J	2.10 JP	5.80 JP	1.80 JP
Endrin Ketone	4.50 U	2.10 J	--	--	0.34 J	1.20 JP	0.68 J
Endrin aldehyde	0.54 JP	--	--	0.22 JP	--	0.099 JP	0.029 JP
alpha-Chlorodane	2.30 U	0.10 JP	--	--	--	0.14 JP	0.53 JP
gamma-Chlorodane	0.061 JP	0.081 JP	--	--	1.20 JP	0.06 JP	0.24 JP
Aroclor-1260	45.00 U	36.00 JP	--	--	--	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
INORGANICS							
Aluminum	7880.00	10600.00	12400.00	8270.00	8400.00	4530.00	6200.00
Antimony	0.80 U	1.10 B	0.73 U	0.75 U	0.78 U	0.78 B	0.70 U
Arsenic	6.50	4.40	4.70	6.40	39.30	10.30	13.40
Barium	96.40	119.00	96.80	103.00	188.00	354.00	491.00
Beryllium	0.60 B	1.20	0.65 B	0.57 B	0.69 B	0.48 B	0.70 B
Calcium	25100.00	25000.00	3050.00	20200.00	20300.00	12800.00	17200.00
Chromium	16.20	47.70	16.60	19.00	19.90	25.40	43.80
Cobalt	7.30 B	4.30 B	9.70 B	7.90 B	11.40 B	8.20 B	11.90
Copper	17.70	28.40	9.90	16.70	20.40	85.80	119.00
Iron	16700.00	21400.00	20500.00	17800.00	22600.00	67200.00	103000.00
Lead	27.80	63.20	11.20	25.30	42.10	309.00	388.00
Magnesium	12600.00	12600.00	2530.00	9340.00	9060.00	1750.00	2220.00
Manganese	490.00	3240.00	1430.00	538.00	1080.00	625.00	909.00
Mercury	0.13 U	0.11 U	0.12 U	0.12 U	0.13 U	0.16	0.20
Nickel	17.20	14.90	14.10	16.10	19.70	22.20	30.90
Potassium	1490.00 U	640.00 B	501.00 B	847.00 B	880.00 B	535.00 B	815.00 B
Selenium	1.10 U	0.95 B	0.97 U	1.10 B	1.00 B	2.30	4.90
Sodium	108.00 B	235.00 B	482.00 B	156.00 B	214.00 B	154.00 B	234.00 B
Thallium	1.30 U	2.40	2.20 B	1.50 B	1.70 B	1.70 B	1.20 B
Vanadium	25.50	7.70 B	26.80	22.20	30.60	15.50	24.90
Zinc	73.80	27.50	50.30	94.00	109.00	404.00	389.00
Cyanide	0.66 U	0.57 U	0.61 U	0.62 U	0.65 U	0.58 U	0.59
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chlorde	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroehtene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene

2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

N	Not used	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
W	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

EPA United States Environmental Protection Agency Contract Laboratory Program

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

SAS No. (if applicable):
Case No.: 23503

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

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

2. Region No.: I
Sampling Co.: IEPA
4. Date Shipped: 4/27/95
Carrier: Federal Express
6. Date Received -- Received by: 4-28-1995 Lance Rainey
Sampler (Name): Mark Densmore
Airbill Number: 2572450623
Laboratory Contract Number: 68D50009
Unit Price: 547.00
Sampler Signature: Mark Densmore
5. Ship To: Compuchem Environmental Corp. 3306 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709-4998 ATTN: Richard Bloom
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

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

CLP Sample Numbers (from labels)	A Matrix (from Box 1) / Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) / Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only / ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
EAAY3	5	L	G	5	X				5-145121-23	X101	4/26/95 1615	MEZP53	MD		ORIGINAL	
EAAY3	5	L	G	5		X	X		5-145122	X101	4/26/95 1615	MEZP53	MD			
EAAY4	5	L	G	5	X				5-145124-5	X102	4/26/95 1000	MEZP55	MC			
EAAY4	5	L	G	5		X	X		5-145126	X102	4/26/95 1000	MEZP55	MC			
EAAY5	5	L	G	5	X				5-145127-8	X103	4/26/95 1040	MEZP55	MC			
EAAY5	5	L	G	5		X	X		5-145129	X103	4/26/95 1040	MEZP55	MC			
EAAY6	5	L	G	5	X				5-145130-1	X104	4/26/95 1135	MEZP56	MC			
EAAY6	5	L	G	5		X	X		5-145132	X104	4/26/95 1135	MEZP56	MD			
EAAY7	5	L	G	5	X				5-145133-4	X105	4/26/95 1210	MEZP57	MD			
EAAY7	5	L	G	5		X	X		5-145135	X105	4/26/95 1210	MEZP57	MD			

Shipment for Case Complete? (Y/N): Y
Page: 1 of 2
Sample(s) to be Used for Laboratory QC: EAAY9
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 45108/45109

409 354, 365, 366, 368, 369

CHAIN OF CUSTODY RECORD

Original with EAAY3

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Densmore	4/27/95 10:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		Lance Rainey	4/28/95 9:50am	missing tag # 145132, 135, 138	

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

EPA Form 9110-2

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

SAMPLES REC'D IN GOOD CONDITION Lance 4°C on 4/28/95 8:50am

358909

A21-012-4 REV. 3/93

10098

EPA United States Environmental Protection Agency Contract Laboratory Program

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

SAS No. (if applicable):
Case N: 23503

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

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

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

4. Date Shipped: 4/27/95
Carrier: Federal Express
Airbill Number: 2572950623
5. Ship To: Compuchem Environmental Corp. 3306 Chapel Hill/Nelson Hwy Research Triangle Park, NC 27709-4998 ATTN: Richard Bloom

6. Date Received -- Received by: 4-28-1995 Lance Randon
Laboratory Contract Number: 68D50009
Unit Price: 547.00
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) / Other:	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) / Other:	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
EAAY8	5	L	G	5	X				5-145136-7	X106	4/26/95 1250	MEZP58	MD			
EAAY8	5	L	G	5		X	X		5-145138	X106	4/26/95 1250	MEZP58	MD			
EAAY9	5	L	G	5	X				5-145139-40	X107	4/27/95 1250	MEZP60	MD			
EAAY9	5	L	G	5		X	X		5-145141	X107	4/27/95 1250	MEZP60	MD			
									709370			ORIGINAL				
									371							
											Original with EAAY3					

Shipment for Case Complete? (Y/N): Y
Page: 2 of 2
Sample(s) to be Used for Laboratory QC: EAAY9
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 45108 / 45109

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Densmore	4/27/95 10:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Lance Randon	Date / Time 4/28/95 8:50am	Remarks Is custody seal intact? Y/N/none missing tag # 145138	

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

EPA Form 9110-2

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

~~SAMPLES REC'D IN GOOD CONDITION~~ Samples 4°C on 4/28/1995 8:50am

358910

A21-012-4 REV. 3/93

1001

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X101

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009354A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 26 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

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

AV 5-15-95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X101

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009354A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 26 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X102

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009365A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 11 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	~~8~~ 11	JB
67-64-1	Acetone	18	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

AV 5-15-95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X102

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009365A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 11 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X103

EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009366A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 16 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	17	BU
67-64-1	Acetone	16	BU
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

AV 5-15-95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X103

EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009366A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 16 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X104

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009368A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 18 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	19	BU
67-64-1	Acetone	14	BU
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

AV
5-5-95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X104

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009368A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 18 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X105

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009369A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 21 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	JBU
67-64-1	Acetone	14	BU
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (Total)	13	U

AV 5/15/95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X105

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009369A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 21 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009370A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 14 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

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

AV 5-15-95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009370A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 14 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X107

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009371A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 13 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	13	BV
67-64-1	Acetone	11 ~~10~~	JBV
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

AV
5-15-95

FORM I VOA OLM03.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X107

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 5.0 (g/mL) g Lab File ID: GH009371A51

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: not dec. 13 Date Analyzed: 05/07/95

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
x101

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009354A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X101
EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009354A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	52	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440 ~~81~~	BJU
206-44-0	Fluoranthene	99	J
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	56	J
218-01-9	Chrysene	68	J
117-81-7	bis(2-Ethylhexyl)phthalate	97	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	100	XJ
207-08-9	Benzo(k)fluoranthene	110	XJ
50-32-8	Benzo(a)pyrene	49	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

AV
5-16-9

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X101

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009354A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.75	5808	AJB
2.	UNKNOWN ALCOHOL	5.69	144	J
3.	UNKNOWN ALCOHOL	6.63	175	J
4.	UNKNOWN	8.16	98	J
5.	UNKNOWN CARBOXYLIC ACID	12.62	139	J
6.	UNKNOWN	13.29	151	J
7.	UNKNOWN CARBOXYLIC ACID	13.39	336	J
8.	UNKNOWN CARBOXYLIC ACID	13.62	141	J
9.	UNKNOWN	15.05	168	J
10.	UNKNOWN	16.01	623	J
11.	UNKNOWN AMIDE	17.43	171	J
12.	UNKNOWN	17.50	122	J
13.	UNKNOWN	17.61	249	J
14.	UNKNOWN ALDEHYDE	17.76	583	J
15.	UNKNOWN	18.19	2942	J
16.	UNKNOWN	20.40	136	J
17.	UNKNOWN	22.92	90	J
18.				
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AV 5-16-9

FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X102

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GR009365A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/09/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	59	J
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	99	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	87	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X102

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GR009365A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/09/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	38	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	200	J
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	310	XJ
207-08-9	Benzo(k)fluoranthene	230	XJ
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	60	J
53-70-3	Dibenzo(a,h)anthracene	48	J
191-24-2	Benzo(g,h,i)perylene	120	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X102

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GR009365A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/09/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 31

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.70	3550	ABJ.U
2.	UNKNOWN PAH	13.30	1383	J
3.	UNKNOWN CARBOXYLIC ACID	13.37	547	J
4.	UNKNOWN	13.44	507	J
5.	UNKNOWN	15.01	227	J
6.	LABORATORY ARTIFACT	15.05	177	J
7.	UNKNOWN	15.16	309	J
8.	UNKNOWN	15.37	285	J
9.	UNKNOWN	15.74	306	J
10.	UNKNOWN	15.84	228	J
11.	UNKNOWN	15.95	190	J
12.	UNKNOWN	16.00	202	J
13.	UNKNOWN	16.33	242	J
14.	UNKNOWN	16.51	756	J
15.	UNKNOWN	16.64	508	J
16.	UNKNOWN PAH	16.77	1301	J
17.	UNKNOWN	16.89	594	J
18.	UNKNOWN	17.06	220	J
19.	UNKNOWN	17.09	180	J
20.	UNKNOWN	17.20	220	J
21.	UNKNOWN PAH	17.35	211	J
22.	UNKNOWN PAH	17.49	202	J
23.	UNKNOWN	18.22	362	J
24.	UNKNOWN	18.31	201	J
25.	UNKNOWN	18.44	345	J
26.	UNKNOWN	18.58	318	J
27.	UNKNOWN	18.92	1207	J
28.	UNKNOWN	19.45	259	J
29.	UNKNOWN	20.10	624	J
30.	UNKNOWN	20.97	319	J
31.	UNKNOWN	20.99	432	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X103

EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009366A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009366A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390 ~~43~~	BJ U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

AV 5-16-9

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X103
EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009366A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL (BC)	4.76	5318	AJBL
2.		UNKNOWN	4.96	104	J
3.		UNKNOWN	16.01	271	J
4.		UNKNOWN	17.60	132	J
5.		UNKNOWN	21.84	470	J
6.					
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AV 5-16-95

FORM I SV-TIC OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X104

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH009368A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X104

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH009368A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	43	J
84-74-2	Di-n-butylphthalate	400 ~~86~~	BJU
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	210	J
117-81-7	bis(2-Ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	270	XJ
207-08-9	Benzo(k)fluoranthene	290	XJ
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	65	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	83	J

AV
5-16-95

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X104
EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH009368A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.76	6001	AJB
2.	UNKNOWN	6.63	108	J
3.	UNKNOWN	8.16	117	J
4.	UNKNOWN	9.94	78	J
5.	UNKNOWN	12.99	126	J
6.	UNKNOWN	13.29	146	J
7.	UNKNOWN CARBOXYLIC ACID	13.38	261	J
8.	UNKNOWN PNA	13.48	156	J
9.	UNKNOWN	13.98	76	J
10.	UNKNOWN	14.45	122	J
11.	METHYLPYRENE	15.01	76	J
12.	UNKNOWN	15.10	77	J
13.	UNKNOWN	15.16	102	J
14.	UNKNOWN	15.57	99	J
15.	UNKNOWN	15.73	47	J
16.	UNKNOWN	15.87	99	J
17.	UNKNOWN	16.02	828	J
18.	UNKNOWN	16.47	214	J
19.	UNKNOWN	16.61	154	J
20.	UNKNOWN	16.72	99	J
21.	UNKNOWN	16.96	392	J
22.	UNKNOWN	17.13	98	J
23.	UNKNOWN	17.44	158	J
24.	UNKNOWN	17.62	159	J
25.	UNKNOWN	18.17	291	J
26.	BENZOFLUORANTHENE	18.36	183	J
27.	UNKNOWN	19.95	88	J
28.	UNKNOWN	21.87	204	J
29.				
30.				

5-16-

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X105

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009369A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X105

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009369A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	50	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420 ~~110~~	BJ V
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	85	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	65	J
218-01-9	Chrysene	65	J
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	100	XJ
207-08-9	Benzo(k)fluoranthene	110	XJ
50-32-8	Benzo(a)pyrene	52	J
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

AV
5-16-9

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X105
EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009369A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.76	6078	AJB V
2.	UNKNOWN	8.17	90	J
3.	UNKNOWN	9.77	98	J
4.	UNKNOWN	9.94	84	J
5.	UNKNOWN	11.58	148	J
6.	UNKNOWN	11.70	100	J
7.	UNKNOWN CARBOXYLIC ACID	13.39	190	J
8.	UNKNOWN	13.98	92	J
9.	UNKNOWN	15.11	76	J
10.	UNKNOWN	15.57	79	J
11.	UNKNOWN	15.73	54	J
12.	UNKNOWN	16.02	1032	J
13.	UNKNOWN	16.61	73	J
14.	UNKNOWN	16.72	147	J
15.	UNKNOWN	16.78	196	J
16.	UNKNOWN	16.98	533	J
17.	UNKNOWN	17.12	217	J
18.	UNKNOWN	17.36	284	J
19.	UNKNOWN	17.45	187	J
20.	UNKNOWN	17.52	165	J
21.	UNKNOWN	17.74	214	J
22.	UNKNOWN	17.88	108	J
23.	UNKNOWN	18.32	100	J
24.	UNKNOWN	18.43	146	J
25.	UNKNOWN	18.53	98	J
26.	UNKNOWN	18.67	91	J
27.	UNKNOWN	19.95	95	J
28.	UNKNOWN	20.80	90	J
29.	UNKNOWN	20.83	134	J
30.	UNKNOWN	21.88	97	J

AV
5-16-95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009370A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	65	J
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	56	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	140	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009370A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	280	J
86-74-8	Carbazole	180	J
84-74-2	Di-n-butylphthalate	380 ~~160~~	BJU
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	890	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)phthalate	52	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	1300	X
207-08-9	Benzo(k)fluoranthene	1500	X
50-32-8	Benzo(a)pyrene	820	
193-39-5	Indeno(1,2,3-cd)pyrene	380	
53-70-3	Dibenzo(a,h)anthracene	91	J
191-24-2	Benzo(g,h,i)perylene	430	

AV 5-16-95

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009370A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.77	6185	AJB
2.	UNKNOWN	8.17	163	J
3.	METHYLDIBENZOFURAN	11.63	129	J
4.	UNKNOWN	13.01	139	J
5.	METHYLPHENANTHRENE	13.34	658	J
6.	UNKNOWN CARBOXYLIC ACID	13.39	322	J
7.	UNKNOWN PAH	13.49	412	J
8.	UNKNOWN PAH	13.94	236	J
9.	BENZOFLUORENE	14.90	122	J
10.	BENZOFLUORENE	15.03	140	J
11.	UNKNOWN	15.18	96	J
12.	UNKNOWN	15.39	107	J
13.	UNKNOWN	15.62	91	J
14.	UNKNOWN	15.74	228	J
15.	UNKNOWN	15.87	147	J
16.	BENZOPHENANTHRENE	15.91	100	J
17.	UNKNOWN	16.03	768	J
18.	UNKNOWN PAH	16.37	374	J
19.	UNKNOWN	16.49	814	J
20.	UNKNOWN PAH	16.77	142	J
21.	UNKNOWN PAH	16.83	97	J
22.	UNKNOWN	17.20	152	J
23.	UNKNOWN	17.29	187	J
24.	UNKNOWN AMIDE	17.46	695	J
25.	UNKNOWN	17.66	724	J
26.	UNKNOWN	17.71	779	J
27.	UNKNOWN	17.77	587	J
28.	UNKNOWN	18.23	488	J
29.	BENZOPYRENE	18.40	897	J
30.				

5-16-9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X107

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009371A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
X107
EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009371A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	86	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380 ~~230~~	JB U
206-44-0	Fluoranthene	570	
129-00-0	Pyrene	500	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	390	
218-01-9	Chrysene	410	
117-81-7	bis(2-Ethylhexyl)phthalate	88	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	600	X
207-08-9	Benzo(k)fluoranthene	650	X
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenzo(a,h)anthracene	52	J
191-24-2	Benzo(g,h,i)perylene	210	J

(1) - Cannot be separated from Diphenylamine

AV 5-16-95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
X107

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009371A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL (BC)	4.76	5520	AJBV
2.	UNKNOWN	6.61	233	J
3.	UNKNOWN	8.17	184	J
4.	UNKNOWN	9.77	189	J
5.	UNKNOWN	12.33	320	J
6.	UNKNOWN	12.55	358	J
7.	METHYLPHENANTHRENE	13.33	298	J
8.	UNKNOWN CARBOXYLIC ACID	13.39	580	J
9.	METHYLPHENANTHRENE	13.48	497	J
10.	UNKNOWN	13.94	279	J
11.	DIMETHYLPHENANTHRENE	14.07	190	J
12.	UNKNOWN	14.45	128	J
13.	BENZOFLUORENE	15.03	85	J
14.	UNKNOWN	15.38	134	J
15.	UNKNOWN	15.73	183	J
16.	UNKNOWN	15.86	102	J
17.	UNKNOWN	16.02	844	J
18.	UNKNOWN	16.33	126	J
19.	UNKNOWN	16.36	140	J
20.	UNKNOWN	16.61	144	J
21.	UNKNOWN	16.82	84	J
22.	UNKNOWN AMIDE	17.44	510	J
23.	BENZOPYRENE	18.38	457	J
24.	UNKNOWN	19.97	330	J
25.				
26.				
27.				
28.				
29.				
30.				

AV
5-16-95

FORM I SV-TIC OLM03.0

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

GC Column (1): RTX-1701 ID: 0.53 (mm) GC Column (2): DB-608 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	EAAY9MS	68	79	79	93			0
02	EAAY9MSD	62	72	70	93			0
03	EAAY3	71	83	100	100			0
04	EAAY4	69	88	120	60			0
05	EAAY5	34	38	41	42			0
06	EAAY6	81	79	82	89			0
07	EAAY8	76	68	83	83			0
08	EAAY9	72	80	92	99			0
09	EAAY7	57	71	86	110			0
10	PBLK25	92	89	110	110			0
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK25

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 711738

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	0.013	JP
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

X101

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	0.086	JP
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	1.0	J
72-55-9	4,4'-DDE	1.7	J
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	2.1	J
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-93-4	Endrin aldehyde	0.54	JP
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	0.061	JP
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

06/01/95

FORM I PEST OLM03.0

X102

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 11 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	5.0	B
309-00-2	Aldrin	1.6	J
1024-57-3	Heptachlor epoxide	0.043	JP
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	1.3	JP
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	0.29	JP
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	9.9	J
53494-70-5	Endrin ketone	2.1	J
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	0.10	JP
5103-74-2	gamma-Chlordane	0.081	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	36	JP

X103

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY5

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709366

Sample wt/vol: 30.1 (g/ml) G Lab File ID:

% Moisture: 16 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	~~0.062~~ 2.0	JPB U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	0.055	JP
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

AV

X104

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	0.015	JP
58-89-9	gamma-BHC (Lindane)	0.22	JP
76-44-8	Heptachlor	6.7	B
309-00-2	Aldrin	0.69	JP
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	JP
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	0.21	JP
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	0.14	JP
72-43-5	Methoxychlor	7.1	J
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	0.22	JP
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

FORM I PEST OLM03.0

X105

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	3.5	JP
72-55-9	4,4'-DDE	1.1	JP
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	13	P
1031-07-8	Endosulfan sulfate	0.050	JP
50-29-3	4,4'-DDT	7.1	P
72-43-5	Methoxychlor	2.1	JP
53494-70-5	Endrin ketone	0.34	J
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

X106

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 30.2 (g/ml) G Lab File ID:

% Moisture: 14 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 9.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	0.12	JP
76-44-8	Heptachlor	4.5	PB
309-00-2	Aldrin	0.41	JP
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	5.8	JP
53494-70-5	Endrin ketone	1.2	JP
7421-93-4	Endrin aldehyde	0.099	JP
5103-71-9	alpha-Chlordane	0.14	JP
5103-74-2	gamma-Chlordane	0.060	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

X107

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 13 decanted: (Y/N) N Date Received: 04/28/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/04/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/95

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	0.32	JP
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	3.6	PB BK
309-00-2	Aldrin	0.11	JP
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.4	J
72-55-9	4,4'-DDE	0.83	JP
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	8.9	
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	0.27	JP
72-43-5	Methoxychlor	1.8	JP
53494-70-5	Endrin ketone	0.68	J
7421-93-4	Endrin aldehyde	0.029	JP
5103-71-9	alpha-Chlordane	0.53	JP
5103-74-2	gamma-Chlordane	0.24	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST OLM03.0

1FA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
X101

EAAY3

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709354

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009354A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	11.92	120	J
2.	UNKNOWN ALKANE	16.94	438	J
3.	UNKNOWN ALKANE	20.00	933	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
X102
EAAY4

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709365

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GR009365A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/09/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/10/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	10.60	296	J
2.	UNKNOWN ALKANE	11.26	473	J
3.	UNKNOWN ALKANE	11.55	288	J
4.	UNKNOWN ALKANE	12.48	784	J
5.	UNKNOWN ALKANE	13.04	917	J
6.	UNKNOWN ALKANE	13.59	494	J
7.	UNKNOWN ALKANE	13.96	553	J
8.	UNKNOWN ALKANE	14.11	690	J
9.	UNKNOWN ALKANE	14.61	250	J
10.	UNKNOWN ALKANE	15.10	222	J
11.	UNKNOWN ALKANE	15.27	352	J
12.	UNKNOWN ALKANE	15.57	246	J
13.	UNKNOWN ALKANE	16.03	403	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
8104

EAAY6

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709368

Sample wt/vol: 30.2 (g/mL) g Lab File ID: GH009368A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	7.54	87	J
2.	UNKNOWN ALKANE	10.63	72	J
3.	UNKNOWN ALKANE	11.28	69	J
4.	UNKNOWN ALKANE	11.57	100	J
5.	UNKNOWN ALKANE	11.92	444	J
6.	UNKNOWN ALKANE	12.50	117	J
7.	UNKNOWN ALKANE	12.54	150	J
8.	UNKNOWN ALKANE	13.07	85	J
9.	UNKNOWN ALKANE	13.61	120	J
10.	UNKNOWN ALKANE	14.13	127	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
X105

EAAY7

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709369

Sample wt/vol: 30.0 (g/mL) g Lab File ID: GH009369A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	11.29	93	J
2.	UNKNOWN ALKANE	11.92	364	J
3.	UNKNOWN ALKANE	12.51	108	J
4.	UNKNOWN ALKANE	12.55	151	J
5.	UNKNOWN ALKANE	13.08	103	J
6.	UNKNOWN ALKANE	14.13	103	J
7.	UNKNOWN ALKANE	14.62	88	J
8.	UNKNOWN ALKANE	16.47	131	J
9.	UNKNOWN ALKANE	18.19	802	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
X106

EAAY8

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709370

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009370A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	10.36	116	J
2.	UNKNOWN ALKANE	10.63	127	J
3.	UNKNOWN ALKANE	11.29	136	J
4.	UNKNOWN ALKANE	11.58	208	J
5.	UNKNOWN ALKANE	11.93	1049	J
6.	UNKNOWN ALKANE	12.51	346	J
7.	UNKNOWN ALKANE	12.55	383	J
8.	UNKNOWN ALKANE	13.08	465	J
9.	UNKNOWN ALKANE	13.62	543	J
10.	UNKNOWN ALKANE	13.99	376	J
11.	UNKNOWN ALKANE	14.13	679	J
12.	UNKNOWN ALKANE	14.63	197	J
13.	UNKNOWN ALKANE	15.11	244	J
14.	UNKNOWN ALKANE	15.28	241	J
15.	UNKNOWN ALKANE	15.58	216	J
16.	UNKNOWN ALKANE	16.63	429	J
17.	UNKNOWN ALKANE	16.73	229	J
18.	UNKNOWN ALKANE	16.98	842	J
19.	UNKNOWN ALKANE	17.13	489	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
ALKANE SERIES REPORT

EPA SAMPLE NO.
X169

EAAY9

Lab Name: COMPUCHEM ENV. CORP. Contract: 68D50009

Lab Code: COMPU Case No.: 23503 SAS No.: SDG No.: EAAY3

Matrix: (soil/water) SOIL Lab Sample ID: 709371

Sample wt/vol: 30.1 (g/mL) g Lab File ID: GH009371A21

Level: (low/med) LOW Date Received: 04/28/95

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/03/95

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/08/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	9.94	206	J
2.	UNKNOWN ALKANE	10.36	192	J
3.	UNKNOWN ALKANE	10.63	170	J
4.	UNKNOWN ALKANE	11.58	220	J
5.	UNKNOWN ALKANE	11.93	1316	J
6.	UNKNOWN ALKANE	12.51	319	J
7.	UNKNOWN ALKANE	13.01	279	J
8.	UNKNOWN ALKANE	13.08	475	J
9.	UNKNOWN ALKANE	13.29	231	J
10.	UNKNOWN ALKANE	13.61	555	J
11.	UNKNOWN ALKANE	13.98	343	J
12.	UNKNOWN ALKANE	14.13	634	J
13.	UNKNOWN ALKANE	14.63	171	J
14.	UNKNOWN ALKANE	15.11	168	J
15.	UNKNOWN ALKANE	15.16	99	J
16.	UNKNOWN ALKANE	15.28	129	J
17.	UNKNOWN ALKANE	15.57	174	J
18.	UNKNOWN ALKANE	16.47	330	J
19.	UNKNOWN ALKANE	16.72	51	J
20.	UNKNOWN ALKANE	16.96	325	J
21.	UNKNOWN ALKANE	17.12	147	J
22.	UNKNOWN ALKANE	18.17	1419	J
23.				
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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorga : Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 23503

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

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaOH
   4. H_2SO_4
   5. $K_2CR_2O_7$
   6. Ice only
   7. Other (Specify)
   N. Not preserved

3. Region No.: V

Sampling Co.: IEDA

Sampler (Name): Mark Dinsmore

Sampler Signature: Mark Dinsmore

4. Type of Activity

Lead		Pre-Remedial		Remedial		Removal	
SF				RIFS		CLEM	
PRP		PA		RD		REMA	
ST		SSI	X	RA		REM	
FED		LSI		O&M		OIL	
				NPLD		UST	

5. Date Shipped: 4/27/95

Carrier: Federal Express

Airbill Number: 257 2950 045

6. Ship To: Southwest Labs of Oklahoma, 1000 West Albany, Suite C, Broken Arrow, OK 74012

ATTN: Robert Harris

7. Date Received -- Received by: 4-28-95 [illegible]

Laboratory Contract Number: 68-D3-0040

Unit Price: $226.00

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MS Liq.	Non Water - Ms Liq.
MEZP53	5	L	G	6	X		X					5-003436	X101	4/26/95 1015	MD	EAA43	intact			
MEZP54	5	L	G	6	X		X					5-003437	X102	4/26/95 1000	MD	EAA44				
MEZP55	5	L	G	6	X		X					5-003438	X103	4/26/95 1040	MD	EAA45				
MEZP56	5	L	G	6	X		X					5-003439	X104	4/26/95 1135	MD	EAA46				
MEZP57	5	L	G	6	X		X					5-003440	X105	4/26/95 1210	MD	EAA47				
MEZP58	5	L	G	6	X		X					5-003441	X106	4/26/95 1250	MD	EAA48				
MEZP60	5	L	G	6	X		X					5-003442	X107	4/26/95 1250	MD	EAA49		* final sample received in SDG		
																		SDG 05-01-95		

Shipment for Case complete? (Y/N): Y

Page 1 of 1

Sample used for a spike and/or duplicate: MEZP 60

Additional Sampler Signatures:

Chain of Custody Seal Number: 45110/45111

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Dinsmore	4/27/95 1100				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		[illegible]	4/28/95 1000		

Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:

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1
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EPA SAMPLE NO.

MEZP53

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D3-0040

Lab Code: SWOK__ Case No.: 23503_ SAS No.: _____ SDG No.: MEZP53

Matrix (soil/water): SOIL_ Lab Sample ID: 2203301___

Level (low/med): LOW__ Date Received: 04/28/95

% Solids: _75.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7880			P
7440-36-0	Antimony_	0.80	U		P
7440-38-2	Arsenic__	6.5			P
7440-39-3	Barium___	96.4			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium__	0.27	U		P
7440-70-2	Calcium__	25100		*	P
7440-47-3	Chromium_	16.2			P
7440-48-4	Cobalt___	7.3	B		P
7440-50-8	Copper___	17.7			P
7439-89-6	Iron_____	16700			P
7439-92-1	Lead_____	27.8		N	P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	490			P
7439-97-6	Mercury__	0.13	U	*	CV
7440-02-0	Nickel___	17.2		*	P
7440-09-7	Potassium	1490		E	P
7782-49-2	Selenium_	1.1	U		P
7440-22-4	Silver___	0.27	U		P
7440-23-5	Sodium___	108	B		P
7440-28-0	Thallium_	1.3	U		P
7440-62-2	Vanadium_	25.5			P
7440-66-6	Zinc_____	73.8			P
_____	Cyanide__	0.66	U		CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP54

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D3-0040

Lab Code: SWOK__ Case No.: 23503_ SAS No.: _____ SDG No.: MEZP53

Matrix (soil/water): SOIL_ Lab Sample ID: 2203302___

Level (low/med): LOW__ Date Received: 04/28/95

% Solids: _87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	10600			P
7440-36-0	Antimony_	1.1	B		P
7440-38-2	Arsenic__	4.4			P
7440-39-3	Barium___	119			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium__	0.23	U		P
7440-70-2	Calcium__	25000		*	P
7440-47-3	Chromium_	47.7			P
7440-48-4	Cobalt___	4.3	B		P
7440-50-8	Copper___	28.4			P
7439-89-6	Iron_____	21400			P
7439-92-1	Lead_____	63.2		N	P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	3240			P
7439-97-6	Mercury__	0.11	U	*	CV
7440-02-0	Nickel___	14.9		*	P
7440-09-7	Potassium	640	B	E	P
7782-49-2	Selenium_	0.95	B		P
7440-22-4	Silver___	0.23	U		P
7440-23-5	Sodium___	235	B		P
7440-28-0	Thallium_	2.4			P
7440-62-2	Vanadium_	7.7	B		P
7440-66-6	Zinc_____	27.5			P
_____	Cyanide__	0.57	U		CA

Color Before: BLACK____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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1

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EPA SAMPLE NO.

MEZP55

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D3-0040

Lab Code: SWOK Case No.: 23503 SAS No.: SDG No.: MEZP53

Matrix (soil/water): SOIL Lab Sample ID: 2203303

Level (low/med): LOW Date Received: 04/28/95

% Solids: 82.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	0.73	U		P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	96.8			P
7440-41-7	Beryllium	0.65	B		P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	3050		*	P
7440-47-3	Chromium	16.6			P
7440-48-4	Cobalt	9.7	B		P
7440-50-8	Copper	9.9			P
7439-89-6	Iron	20500			P
7439-92-1	Lead	11.2		N	P
7439-95-4	Magnesium	2530			P
7439-96-5	Manganese	1430			P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	14.1		*	P
7440-09-7	Potassium	501	B	E	P
7782-49-2	Selenium	0.97	U		P
7440-22-4	Silver	0.24	U		P
7440-23-5	Sodium	482	B		P
7440-28-0	Thallium	2.2	B		P
7440-62-2	Vanadium	26.8			P
7440-66-6	Zinc	50.3			P
	Cyanide	0.61	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP56

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D3-0040

Lab Code: SWOK Case No.: 23503 SAS No.: SDG No.: MEZP53

Matrix (soil/water): SOIL Lab Sample ID: 2203304

Level (low/med): LOW Date Received: 04/28/95

% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8270			P
7440-36-0	Antimony	0.75	U		P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.25	U		P
7440-70-2	Calcium	20200		*	P
7440-47-3	Chromium	19.0			P
7440-48-4	Cobalt	7.9	B		P
7440-50-8	Copper	16.7			P
7439-89-6	Iron	17800			P
7439-92-1	Lead	25.3		N	P
7439-95-4	Magnesium	9340			P
7439-96-5	Manganese	538			P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	16.1		*	P
7440-09-7	Potassium	847	B	E	P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	0.25	U		P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	1.5	B		P
7440-62-2	Vanadium	22.2			P
7440-66-6	Zinc	94.0			P
	Cyanide	0.62	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP57

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D3-0040

Lab Code: SWOK__ Case No.: 23503_ SAS No.: _____ SDG No.: MEZP53

Matrix (soil/water): SOIL_ Lab Sample ID: 2203305___

Level (low/med): LOW__ Date Received: 04/28/95

% Solids: _77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	8400			P
7440-36-0	Antimony_	0.78	U		P
7440-38-2	Arsenic__	39.3			P
7440-39-3	Barium___	188			P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium__	0.26	U		P
7440-70-2	Calcium__	20300		*	P
7440-47-3	Chromium_	19.9			P
7440-48-4	Cobalt___	11.4	B		P
7440-50-8	Copper___	20.4			P
7439-89-6	Iron_____	22600			P
7439-92-1	Lead_____	42.1		N	P
7439-95-4	Magnesium	9060			P
7439-96-5	Manganese	1080			P
7439-97-6	Mercury__	0.13	U	*	CV
7440-02-0	Nickel___	19.7		*	P
7440-09-7	Potassium	880	B	E	P
7782-49-2	Selenium_	1.0	B		P
7440-22-4	Silver___	0.26	U		P
7440-23-5	Sodium___	214	B		P
7440-28-0	Thallium_	1.7	B		P
7440-62-2	Vanadium_	30.6			P
7440-66-6	Zinc_____	109			P
_____	Cyanide__	0.65	U		CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP58

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: 68-D3-0040

Lab Code: SWOK__ Case No.: 23503_ SAS No.: _____ SDG No.: MEZP53

Matrix (soil/water): SOIL_ Lab Sample ID: 2203306___

Level (low/med): LOW__ Date Received: 04/28/95

% Solids: _86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4530			P
7440-36-0	Antimony_	0.78	B		P
7440-38-2	Arsenic__	10.3			P
7440-39-3	Barium___	354			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium__	0.23	U		P
7440-70-2	Calcium__	12800		*	P
7440-47-3	Chromium_	25.4			P
7440-48-4	Cobalt___	8.2	B		P
7440-50-8	Copper___	85.8			P
7439-89-6	Iron____	67200			P
7439-92-1	Lead____	309		N	P
7439-95-4	Magnesium	1750			P
7439-96-5	Manganese	625			P
7439-97-6	Mercury__	0.16		*	CV
7440-02-0	Nickel___	22.2		*	P
7440-09-7	Potassium	535	B	E	P
7782-49-2	Selenium_	2.3			P
7440-22-4	Silver___	0.23	U		P
7440-23-5	Sodium___	154	B		P
7440-28-0	Thallium_	1.7	B		P
7440-62-2	Vanadium_	15.5			P
7440-66-6	Zinc____	404			P
_____	Cyanide__	0.58	U		CA
_____	_____	_____			

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP60

Lab Name: SOUTHWEST_LAB_OF_OK Contract: 68-D3-0040

Lab Code: SWOK Case No.: 23503 SAS No.: SDG No.: MEZP53

Matrix (soil/water): SOIL Lab Sample ID: 2203307

Level (low/med): LOW Date Received: 04/28/95

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6200			P
7440-36-0	Antimony	0.70	U		P
7440-38-2	Arsenic	13.4			P
7440-39-3	Barium	491			P
7440-41-7	Beryllium	0.70	B		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	17200		*	P
7440-47-3	Chromium	43.8			P
7440-48-4	Cobalt	11.9			P
7440-50-8	Copper	119			P
7439-89-6	Iron	103000			P
7439-92-1	Lead	388		N	P
7439-95-4	Magnesium	2220			P
7439-96-5	Manganese	909			P
7439-97-6	Mercury	0.20		*	CV
7440-02-0	Nickel	30.9		*	P
7440-09-7	Potassium	815	B	E	P
7782-49-2	Selenium	4.9			P
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium	234	B		P
7440-28-0	Thallium	1.2	B		P
7440-62-2	Vanadium	24.9			P
7440-66-6	Zinc	389			P
	Cyanide	0.59			CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments: