EPA Region 5 Records Ctr.
393143

L2010300009
ROCKFORD SAND AND GRAVEL
ILO 000034371
SF/HRS

CERCLA
Integrated Site Assessment Analytical Results

Illinois Environmental Protection Agency

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

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SITE NAME ROCKFORD SAND & GRAVEL
ILO NUMBER 000034371

TABLE F-1
SUMMARY

SAMPLING POINT	X101	X102	X103	X104	X105	X106	X107	X108	X201	X202	X203	X204
PARAMETER	11-3-94 (Background)	11-3-94	11-3-94	11-3-94	11-3-94	11-3-94	11-3-94	11-3-94	11-3-94 (Background)	11-3-94	11-3-94	11-3-94
VOLATILES												
Acetone	12 00 U	--	39 00 B	--	--	--	--	--	38.00 B	--	--	--
2-Butanone (MEK)	12 00 U	4 00 J	--	3 00 J	3 00 J	--	--	--	18.00	13 00 J	--	--
Styrene	12 00 U	--	--	--	--	--	--	2 00 J	13.00 U	--	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg
SEMIVOLATILES												
1,4-Dichlorobenzene	390 00 U	--	32.00 J	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	390 00 U	--	120 00 J	--	--	--	--	--	--	--	--	--
4-Methylphenol	390.00 U	--	41.00 J	--	--	--	--	--	--	--	--	--
Naphthalene	390 00 U	150 00 J	38 00 J	34 00 J	--	--	56 00 J	18 00 J	420.00 U	--	42 00 J	24 00 J
2-Methylnaphthalene	390 00 U	35 00 J	22 00 J	20.00 J	--	--	75 00 J	--	420.00 U	--	28.00 J	--
Acenaphthylene	390 00 U	--	--	32 00 J	21 00 J	--	--	--	420 00 U	32 00 J	--	--
Acenaphthene	390 00 U	180 00 J	55 00 J	32.00 J	47 00 J	48 00 J	49 00 J	150 00 J	36 00 J	36 00 J	49.00 J	--
Dibenzofuran	390 00 U	76 00 J	32 00 J	29 00 J	26 00 J	25 00 J	39 00 J	62 00 J	420 00 U	--	31 00 J	--
Diethylphthalate	390 00 U	--	30 00 J	--	--	--	24 00 J	--	420 00 U	27.00 J	23.00 J	--
Fluorene	390 00 U	220 00 J	61 00 J	56 00 J	57 00 J	43 00 J	50 00 J	110 00 J	46 00 J	43 00 J	64 00 J	26 00 J
Phenanthrene	260.00 J	1000 00	750.00	480.00	520.00	540 00	380.00	1300 00	650 00	520 00	590 00	300 00 J
Anthracene	50.00 J	230 00 J	140 00 J	78 00 J	110 00 J	81 00 J	71 00 J	280 00 J	180 00 J	150 00 J	160 00 J	90 00 J
Carbazole	390.00 U	160 00 J	88.00 J	64 00 J	74 00 J	64 00 J	60 00 J	160 00 J	56 00 J	48 00 J	72 00 J	24 00 J
Di-n-Butylphthalate	72 00 J	38 00 J	51 00 J	60 00 J	33 00 J	--	--	25 00 J	47 00 J	37 00 J	--	29 00 J
Fluoranthene	380.00 J	1800 00	1200.00	650 00	980 00	730 00	700.00	2500 00	1100 00	850 00	860 00	520 00
Pyrene	420.00	2100 00	1200 00	720 00	970 00	750 00	600 00	2400 00	1100.00	1000 00	730 00	480 00
Butylbenzylphthalate	390 00 U	--	--	52.00 J	61 00 J	--	30 00 J	--	190.00 J	130.00 J	64.00 J	--
Benzo(a)anthracene	240 00 J	960 00	690 00	400 00	500 00	360 00 J	290 00 J	1500 00	540.00	490 00	470 00	300 00 J
Chrysene	230 00 J	770.00	660 00	370.00	530 00	420 00	350 00 J	1200.00	660 00	560.00	520.00	340.00 J
bis(2-Ethylhexyl)phthalate	390 00 U	620 00 B	320 00 JB	--	--	--	--	--	--	--	--	--
Di-n-Octylphthalate	390.00 U	--	--	--	20 00 J	--	--	--	--	--	--	--
Benzo(b)fluoranthene	200.00 J	--	--	--	--	--	--	1800 00	850 00	--	490 00	280 00 J
Benzo(k)fluoranthene	200 00 J	1500.00	1100.00	820 00	980.00	770 00	630.00	--	420 00 U	850 00	280 00 J	230 00 J
Benzo(a)pyrene	180 00 J	560 00	470 00	370 00	440 00	360 00 J	300 00 J	900 00	610 00	480 00	390 00 J	310 00 J
Indeno(1,2,3-cd)pyrene	120 00 J	310 00 J	350.00 J	250 00 J	370 00 J	260 00 J	200.00 J	1000 00	350 00 J	250 00 J	280 00 J	180 00 J
Dibenz(a,h)anthracene	390 00 U	260 00 J	180 00 J	140 00 J	250 00 J	180 00 J	98 00 J	560 00	180 00 J	130 00 J	160 00 J	110 00 J
Benzo(g,h,i)perylene	140.00 J	370 00	420.00	290 00 J	410 00	290 00 J	210.00 J	980 00 B	380 00 J	300 00 JB	320 00 JB	210 00 JB
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg
TENTATIVELY IDENTIFIED COMPOUNDS												
gamma.-Sitosterol	2000 00 NJ	--	--	--	--	1600.00 NJ	--	--	--	2100 00 NJ	2600 00 NJ	--
Sulfur, mol (S8)	--	14000 00 NJ	1200 00 NJ	3000 00 J	--	--	--	--	--	4000 00 NJ	4000 00 NJ	7400 00 NJ
Maneb	--	6600 00 NJ	--	--	--	--	230.00 NJ	--	--	--	--	--
Phytol	--	--	--	--	--	160 00 NJ	--	--	--	--	410 00 NJ	--
Stigmast-4-en-3-one	--	--	--	--	--	460 00 NJ	78.00 NJ	--	--	--	1300 00 NJ	--
Benzo[b]naphtho[2,1-d]thioph	--	--	--	--	--	--	--	310 00 NJ	--	--	--	--
7H-Benz[de]anthracen-7-one	--	--	--	--	--	--	--	240.00 NJ	--	--	--	--
2-Pentanone, 4-hydroxy-4-met	--	--	--	--	--	--	--	--	14000.00 NJA	--	--	--
Benzo[e]pyrene	--	--	--	--	--	--	--	--	920.00 NJ	--	550.00 NJ	300.00 NJ
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg
PESTICIDES												
Endosulfan I	2.00 U	--	2.10 P	6 90	--	--	--	--	--	--	--	--
Dieldrin	3.90 U	--	--	--	--	--	--	5 20 P	--	--	--	--
4,4'-DDE	3 90 U	--	7 40 DJ	--	--	--	--	--	--	--	--	--
Endrin	3 90 U	--	6 20 JPD	--	--	--	--	--	4 40 U	--	6 50 JPD	11 00 JPD
Endosulfan sulfate	3 90 U	--	21.00 DJ	11 00 JPD	--	--	--	15 00 JPD	11 00 JPD	--	19 00 JPD	35 00 JPD
Endrin aldehyde	6 90 P	23 00 P	--	--	80 00 PD	9 70 P	--	--	24 00 P	8 90 P	32 00 JPD	40 00 JPD
4,4'-DDT	3 90 U	--	7.60 P	--	--	--	--	--	4 40 U	4 60 P	--	--
Endrin Ketone	3 90 U	--	5 30 P	--	--	--	--	--	--	--	--	--
alpha-Chlordane	2 00 U	--	3 00	6 00	--	--	--	--	--	--	--	--
gamma-Chlordane	2 00 U	--	2 10 P	6 80 P	--	--	--	--	--	--	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg
INORGANICS												
Aluminum	7090 00	4170 00	5610 00	4510 00	7320 00	6020 00	10500 00	9130 00	6500 00	2570 00	3060 00	1840 00
Antimony	0.66 B	1 20 B	--	--	--	--	0 68 B	--	--	--	--	--
Arsenic	2 50	2.40	3 50	2.50	3 80	2 90	4 20	8 90	2 80	--	1 50 B	--
Barium	79 40 B	51 10	61 20	59 10	65 40	59 20	98 00	141 00	65 80	30 40 B	54 10 B	17 60 B
Beryllium	0 28 B	0.25 B	0 29 B	0.27 B	0 35 B	0.24 B	0 42 B	0 36 B	0 30 B	0.13 B	0 17 B	--
Cadmium	1 20	1 20	1 30	--	1 20	1 30	2 00	1 60	1 60	--	7 90	--
Calcium	11100 00	85200 00	12400 00	58100 00	57700 00	15200 00	9350 00	29200.00	42000 00	20200 00	17600 00	15500 00
Chromium	12 00	9 90	10 80	9 10	11 70	9 50	15 40	17 80	19 00	17 20	44 50	4 50
Cobalt	4 10 B	--	2.60 B	--	1.40 B	3.40 B	7.00 B	3 60 B	1 90 B	--	2 10 B	--
Copper	12.30	13 00	13 70	14 20	11 40	8 80	12 60	27 70	22 80	9 90	18 20	6 60 B
Iron	11600 00	6580 00	9520 00	7990 00	12400 00	9900 00	15600 00	15600 00	11100 00	5240 00	7540 00	3810 00
Lead	24 80	141 00	68 20	44 20	14 70	15 30	25 70	26 90	62 50	10 30	18 30	8 00
Magnesium	6370 00	43000 00	6940 00	32300 00	33900 00	9580 00	6940 00	15700 00	18300 00	10800 00	8200 00	8120 00
Manganese	556.00	325 00	302 00	321 00	427 00	337 00	577 00	515 00	453 00	193 00	287 00	146 00
Nickel	11.60	9.20	11 70	10.10	15 30	11.40	22 60	17.60	17.50	6.50 B	13.50	--
Potassium	1010 00 B	553 00 B	534 00 B	478 00 B	377 00 B	661 00 B	866 00 B	1090 00 B	678.00 B	283 00 B	339 00 B	218 00 B
Selenium	0 89 U	--	--	--	--	--	--	--	0.98 U	--	--	2.30
Silver	0 48 U	--	--	--	--	--	--	--	0.53 U	--	0 74 B	--
Sodium	49 80 B	145 00 B	84 80 B	228 00 B	123 00 B	--	80 20 B	137 00 B	124.00 B	111.00 B	93 10 B	81.40 B
Vanadium	21 20	14 40	16 50	13 60	21 50	17 50	32 00	21 90	18.00	9 80 B	8 90 B	7 10 B
Zinc	64.50	130 00	94 40	55 20	38.20	33 70	63.50	154 00	107 00	53 70	121 00	23 20
Cyanide	0.60 U	--	--	--	--	--	0 70	--	0 66 U	1 70	--	--
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg

SITE NAME· ROCKFORD SAND & GRAVEL
ILO NUMBER 000034371

TABLE F-1
SUMMARY
(Groundwater)

SAMPLING POINT	G201	G101	G102	G103	G104	G105	G106	G107
	11-2-94	11-2-94	11-2-94	11-2-94	11-2-94	11-2-94	11-2-94	11-2-94
PARAMETER	(Background)							
VOLATILES								
1,1-Dichloroethane	1.00 U	--	8 00 J	--	--	--	--	--
1,2-Dichloroethene(total)	1 00 U	--	3 00 J	--	--	--	--	--
Trichloroethene	1.00	--	--	--	--	--	--	--
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILES								
1,4-Dichlorobenzene	10 00 U	--	--	--	--	--	2.00 J	2.00 J
Di-n-Butylphthalate	2 00 J	2 00 J	--	3 00 J	3 00 J	--	--	0 60 J
bis(2-Ethylhexyl)phthalate	2 00 J	34 00 B	35 00 B	5 00 J	--	56 00 B	--	150.00 BD
Benzo(b)fluoranthene	5 00 U	--	--	0 60 J	--	--	--	--
Benzo(a)pyrene	5 00 U	--	--	0.50 J	--	--	--	--
Indeno(1,2,3-cd)pyrene	5.00 U	--	--	0 60 J	--	--	--	6 00 JD
Dibenz(a,h)anthracene	5 00 U	--	--	0 60 J	--	--	--	--
Benzo(g,h,i)perylene	5.00 U	--	--	0 70 J	--	--	--	6 00 JD
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TENTATIVELY IDENTIFIED COMPOUNDS								
Caprolactum	--	--	10 00 NJ	--	--	43.00 NJ	24 00 NJ	120 00 NJD
2(3H)-Benzothiazolone	--	--	7 00 NJ	--	--	--	7 00 NJ	7.00 NJ
Sulfur, mol. (S8)	--	--	9 00 NJ	--	--	--	120 00 NJ	97.00 NJ
Ether, sec-butyl isopropyl	--	--	--		5 00 NJ	--	--	--
Benzene, 1,4-dichloro-	--	--	--	--	--	--	4 00 NJ	5.00 NJ
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PESTICIDES	NONE DETECTED							
INORGANICS								
Aluminum	80.00 U	263 00	144.00 B	222 00	152 00 B	--	--	--
Arsenic	2 00 U	--	14 50	--	--	--	23 60	21 50
Barium	73 00	200 00 B	255.00	91.10 B	247.00	275 00	249 00	245 00
Beryllium	2 00 U	0 41 B	--	0 33 B	--	--	0 45 B	0 32 B
Cadmium	0 20 U	--	--	--	--	4 50 B	--	--
Calcium	101000.00	110000 00	109000 00	100000 00	148000 00	186000 00	232000 00	229000 00
Chromium	10.00 U	--	--	2 70 B	--	--	4.90 B	--
Copper	10 00	4 30 B	2 90 B	13 30 B	8 00 B	3 90 B	5 10 B	4 00 B
Iron	101.00	35 20 B	6350 00	113 00	69.90 B	857 00	6230 00	6180.00
Magnesium	44000 00	44900 00	127000.00	43000 00	61400 00	41200.00	78100 00	77000 00
Manganese	6.00	1.70 B	196.00	3 30 B	1090.00	2030.00	260.00	256 00
Nickel	33.00	--	26 30 B	--	15 90 B	12 50 B	9 80 B	--
Potassium	5000 00 U	3750 00 B	41400.00	4580.00 B	8550 00	2350 00 B	10400 00	10300 00
Sodium	48000.00	34800 00	63900 00	82000 00	44400 00	3140 00 B	37900 00	37400 00
Vanadium	8 00 U	--	--	--	--	--	4.10 B	--
Zinc	40 00 U	14 60 B	--	41 40	5 10 B	17 20 B	--	6.10 B
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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.

Water - cooler #2 ~~34~~

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TPA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2416 3835150

Non-Superfund Program
Sampler Signature: Pete Sorensen
5. Ship To: American Analytical & Technical Serv., Inc. 11950 Industriplex Blvd. Baton Rouge, LA 70809
ATTN: K.M. Bazaunbass 504/753-8450

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL.
Site Spill ID: ZZ

3. Type of Activity: SF, PRP, ST, FED; Lead: PA, SSI, LSI; Pre-Remedial: RIFS, RD, RA, O&M, NPLD; Remedial: CLEM, REMA, REM, OIL, UST; Removal

6. 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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	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 Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MEXD 27	2	L	G	2	X							5019389	G106	11/2/94 1610	PS	EPY27	—
MEXD 27	2	L	G	3		X	X					5019380	G106	11/2/94 1610	PS	EPY27	—
MEXD 28	2	L	G	2	X							5019391	G107	11/2/94 1610	PS	EPY28	D-(MEXD 27)
MEXD 28	2	L	G	3		X	X					5019392	G107	11/2/94 1610	PS	EPY28	D-(MEXD 27)
MEXD 29	2	L	G	2								5019126	G108	11/2/94 1600	PS	EPY29	FB (MEXD 29)
MEXD 29	2	L	G	3								5019127	G108	11/2/94 1600	PS	EPY29	FB (MEXD 29)
													~~G109~~				

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

Page ~~1~~ of ~~2~~ 1 of 1

Sample used for a spike and/or duplicate: MEXD 28

Additional Sampler Signatures:

Chain of Custody Seal Number: 157966 / 157967

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Pete Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

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Inorg-1

1 25225

Water - Cooler # (1)

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22854

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		V	IEPA	11/3/94	Federal Express

Regional Information: TFA 102

Sampler (Name): Pete Sorensen

Airbill Number: 2416383550

Non-Superfund Program

Sampler Signature: Pete Sorensen

5. Ship To: American Analytical & Technical Services, Inc. 11950 Industriplex Blvd. Baton Rouge, LA 70809 ATTN: K.M. Bagawandoss 504/753-8150

Site Name: Rockford Sand & Gravel

City, State: Rockford, IL

Site Spill ID: ZZ

3. Type of Activity: Lead — SF, PRP, ST, FED; Pre-Remedial — PA, SSI (X), LSI; Remedial — RIFS, RD, RA, O&M, NPLD; Removal — CLEM, REMA, REM, OIL, UST

6. 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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	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 Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MEXD 22	2	L	G	2	X							5019379	G101	11/2/94 1250	PS	EPV 22	—
MEXD 22	2	L	G	3			X					5019380	G101	11/2/94 1250	PS	EPV 22	—
MEXD 23	2	L	G	2	X							5019381	G102	11/2/94 1700	PS	EPV 23	—
MEXD 23	2	L	G	3			X					5019382	G102	11/2/94 1700	PS	EPV 23	—
MEXD 24	2	L	G	2	X							5019383	G103	11/2/94 0950	PS	EPV 24	—
MEXD 24	2	L	G	3			X					5019384	G103	11/2/94 0950	PS	EPV 24	—
MEXD 25	2	L	G	2	X							5019385	G104	11/2/94 1115	PS	EPV 25	—
MEXD 25	2	L	G	3			X					5019386	G104	11/2/94 1115	PS	EPV 25	—
MEXD 26	2	L	G	2	X							5019387	G105	11/2/94 1530	PS	EPV 26	—
MEXD 26	2	L	G	3			X					5019388	G105	11/2/94 1530	PS	EPV 26	—

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

Page ~~1 of 2~~ 1 of 1

Sample used for a spike and/or duplicate: MEXD 28

Additional Sampler Signatures:

Chain of Custody Seal Number: 157964/157965

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Pete Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

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1 353334

EPA

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 11-3-94
Carrier: Federal Express

Regional Information: TPA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835150

Non-Superfund Program:
Sampler Signature:
5. Ship To: American Analytical + Technical Serv., Inc. 11950 Industriplex Blvd. Baton Rouge, LA 70809 ATTN: K.M. Bazanwendless 504/753-8050

Site Name: Rockford Sand + Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity:

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

6. 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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	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 Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MEXV 94	5	L	G	6	X		X					5-019373	X107	11/3/94 1010	DS	EVM 94	—
MEXV 95	5	L	G	6	X		X					5-019374	X108	11/3/94 0910	DS	EVM 95	—
MEXV 96	5	L	G	6	X		X					5-019375	X201	11/3/94 1530	DS	EVM 96	—
MEXV 97	5	L	G	6	X		X					5-019376	X202	11/3/94 0840	DS	EVM 97	—
MEXV 98	5	L	G	6	X		X					5-019377	X203	11/3/94 0840	DS	EVM 98	D (MEXV 97)
MEXV 99	5	L	G	6	X		X					5-019378	X204	11/3/94 0750	DS	EVM 99	—

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

Page 1 of 2

Sample used for a spike and/or duplicate: Soil-MEXV93/Sed-MEXV98

Additional Sampler Signatures:

Chain of Custody Seal Number: 157972 / 157973

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Pete Sorensen	11-3-94 / 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

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1 353336

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22856

1. Project Code	
Account Code	
2. Region No.	V
Sampling Co.	IEPA
4. Date Shipped	11/3/94
Carrier	Federal Express
Regional Information	TFA 102
Sampler (Name)	Pete Sorensen
Airbill Number	2463835150
Non-Superfund Program	
Sampler Signature	Peter Sorensen
5. Ship To	American Analytical + Technical Serv., Inc. 11450 Industriplex Blvd. Baton Rouge, LA 70809 ATTN: K.M. Bazanwadoss 504/768-8160
Site Name	Rockford Sand + Gravel
City, State	Rockford, IL
Site Spill ID	ZZ

3. Type of Activity: Lead — SF, PRP, ST, FED; Pre-Remedial — PA, SSI [X], LSI; Remedial — RIFS, RD, RA, O&M, NPLD; Removal — CLEM, REMA, REM, OIL, UST

6. 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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	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 Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MEX/88	5	L	G	6	X		X					5-019367	X101	11/3/94 1545	PS	EM 88	—
MEX/89	5	L	G	6	X		X					5-019368	X102	11/3/94 1250	PS	EM 89	—
MEX/90	5	L	G	6	X		X					5-019369	X103	11/3/94 1220	PS	EM 90	—
MEX/91	5	L	G	6	X		X					5-019370	X104	11/3/94 1130	PS	EM 91	—
MEX/92	5	L	G	6	X		X					5-019371	X105	11/3/94 1030	PS	EM 92	—
MEX/93	5	L	G	6	X		X					5-019372	X106	11/3/94 1630	PS	EM 93	D (MEX/92)

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

Page 1 of 2

Sample used for a spike and/or duplicate: MEX/93 Spl / Spd - MEX/98

Additional Sampler Signatures:

Chain of Custody Seal Number: 157970 / 157971

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples: [ ] Accepted (Signature) [ ] Declined

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U.S. EPA - TLM

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY38

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXI99

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.11

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _83.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7080			P_
7440-36-0	Antimony_	3.36	B	N	P_
7440-38-2	Arsenic__	1.5			P_
7440-39-3	Barium__	79.4			P_
7440-41-7	Beryllium	0.26	B		P_
7440-43-9	Cadmium__	1.2			P_
7440-70-2	Calcium__	11100		E	P_
7440-47-3	Chromium_	12.0			P_
7440-48-4	Cobalt___	4.1	B		P_
7440-50-8	Copper___	12.3			P_
7439-89-6	Iron____	11600			P_
7439-92-1	Lead____	24.8			P_
7439-95-4	Magnesium	6370		*	P_
7439-96-5	Manganese	556			P_
7439-97-6	Mercury__	0.12	U		CV
7440-02-0	Nickel___	11.6			P_
7440-09-7	Potassium	1010	B		P_
7782-49-2	Selenium_	0.89	U		P_
7440-22-4	Silver___	0.48	U		P_
7440-23-5	Sodium___	49.3	B		P_
7440-28-0	Thallium_	1.3	U		P_
7440-62-2	Vanadium_	21.2			P_
7440-66-6	Zinc____	64.5			P_
_____	Cyanide__	0.60	U		CA

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X204

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD99

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D0-0051

Lab Code: AATCLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.14

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _72.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	1340			P
7440-36-0	Antimony_	0.96	U	N	P
7440-38-2	Arsenic__	1.1	U		P
7440-39-3	Barium___	17.8	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium__	1.0	U		P
7440-70-2	Calcium__	15500		E*	P
7440-47-3	Chromium_	4.5			P
7440-48-4	Cobalt___	1.4	U		P
7440-50-8	Copper___	6.8	B		P
7439-89-6	Iron_____	3610			P
7439-92-1	Lead_____	9.0			P
7439-95-4	Magnesium	3120		*	P
7439-96-5	Manganese	146			P
7439-97-6	Mercury__	0.14	U		CV
7440-02-0	Nickel___	2.1	U		P
7440-09-7	Potassium	218	B		P
7782-49-2	Selenium_	2.3			P
7440-22-4	Silver___	0.55	U		P
7440-23-5	Sodium___	31.4	B		P
7440-28-0	Thallium_	1.5	U		P
7440-62-2	Vanadium_	7.1	B		P
7440-66-6	Zinc_____	23.2			P
_____	Cyanide__	0.69	U		CA

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X102

000005

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY38

Lab Name: AMERICAN ANALYTICAL Contract: 68-D0-0181

Lab Code: AATSLA Case No.: 22856 SAS No.: SDG No.: MEXD89

Matrix (soil/water): SOIL Lab Sample ID: 9142.02

Level (low/med.): LOW Date Received: 11/04/94

% Solids: 90.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4170			P
7440-36-0	Antimony	1.2	B	*	P
7440-38-2	Arsenic	[illegible]			P
7440-39-3	Barium	21.1			P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	35200		E*	P
7440-47-3	Chromium	9.9			P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	13.0			P
7439-89-6	Iron	3560			P
7439-92-1	Lead	141			P
7439-95-4	Magnesium	48000		*	P
7439-96-5	Manganese	325			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	9.2			P
7440-09-7	Potassium	553	B		P
7782-49-2	Selenium	0.82	U		P
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	145	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	130			P
	Cyanide	0.55	U		CA

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

X103

000006

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY90

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.00

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _86.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	5810			P_
7440-36-0	Antimony_	0.81	U	N	P_
7440-38-2	Arsenic__	1.3			P_
7440-39-3	Barium___	31.2			P_
7440-41-7	Beryllium	0.29	B		P_
7440-43-9	Cadmium__	1.3			P_
7440-70-2	Calcium__	12400		E*	P_
7440-47-3	Chromium_	10.3			P_
7440-48-4	Cobalt___	2.6	B		P_
7440-50-8	Copper___	13.7			P_
7439-89-6	Iron____	9520			P_
7439-92-1	Lead____	68.2			P_
7439-95-4	Magnesium	6940			P_
7439-96-5	Manganese	202			P_
7439-97-6	Mercury__	0.12	U		CV
7440-02-0	Nickel___	11.7			P_
7440-09-7	Potassium	534	B		P_
7782-49-2	Selenium_	0.86	U		P_
7440-22-4	Silver___	0.46	U		P_
7440-23-5	Sodium___	84.8	B		P_
7440-28-0	Thallium_	1.2	U		P_
7440-62-2	Vanadium_	16.5			P_
7440-66-6	Zinc____	34.4			P_
_____	Cyanide__	0.58	U		CA
_____	_____	_____			

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X104

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY01

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D0-0151

Lab Code: AATSLA Case No.: 22356_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.04

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _59.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	5510			P_
7440-36-0	Antimony_	[illegible]	U	N	P_
7440-38-2	Arsenic__	[illegible]			P_
7440-39-3	Barium___	89.1			P_
7440-41-7	Beryllium	0.27	B		P_
7440-43-9	Cadmium__	0.35	U		P_
7440-70-2	Calcium__	58100		E+	P_
7440-47-3	Chromium_	9.1			P_
7440-48-4	Cobalt___	1.1	U		P_
7440-50-8	Copper___	14.2			P_
7439-89-6	Iron____	7990			P_
7439-92-1	Lead____	44.2			P_
7439-95-4	Magnesium	32300		*	P_
7439-96-5	Manganese	321			P_
7439-97-6	Mercury__	0.11	U		CV
7440-02-0	Nickel___	10.1			P_
7440-09-7	Potassium	478	B		P_
7782-49-2	Selenium_	0.82	U		P_
7440-22-4	Silver___	0.45	U		P_
7440-23-5	Sodium___	228	B		P_
7440-28-0	Thallium_	1.2	U		P_
7440-62-2	Vanadium_	13.6			P_
7440-66-6	Zinc____	55.2			P_
_____	Cyanide__	0.56	U		CA
_____	_____	_____			

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X105

000008

U.S. EPA - TLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY92

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: S142.05

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _90.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7220	_	_____	P_
7440-36-0	Antimony_	1.72	U	S	P_
7440-38-2	Arsenic __	3.8	_	_____	P_
7440-39-3	Barium___	65.4	_	_____	P_
7440-41-7	Beryllium	0.85	B	_____	P_
7440-43-9	Cadmium__	1.2	_	_____	P_
7440-70-2	Calcium__	57700	_	E*	P_
7440-47-3	Chromium_	11.7	_	_____	P_
7440-48-4	Cobalt___	1.4	B	_____	P_
7440-50-8	Copper___	11.4	_	_____	P_
7439-89-6	Iron____	12400	_	_____	P_
7439-92-1	Lead____	14.7	_	_____	P_
7439-95-4	Magnesium	33900	_	*	P_
7439-96-5	Manganese	427	_	_____	P_
7439-97-6	Mercury__	0.11	U	_____	CV
7440-02-0	Nickel___	15.3	_	_____	P_
7440-09-7	Potassium	377	B	_____	P_
7782-49-2	Selenium_	0.82	U	_____	P_
7440-22-4	Silver___	0.44	U	_____	P_
7440-23-5	Sodium___	123	B	_____	P_
7440-28-0	Thallium_	1.2	U	_____	P_
7440-62-2	Vanadium_	21.5	_	_____	P_
7440-66-6	Zinc____	38.2	_	_____	P_
_____	Cyanide__	0.55	U	_____	CA
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

X106

000009

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY91

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22356_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 9141.06

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _90.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	8020			P_
7440-36-0	Antimony_	1.79	U		P_
7440-38-2	Arsenic__	1.9			P_
7440-39-3	Barium___	59.2			P_
7440-41-7	Beryllium	0.54	B		P_
7440-43-9	Cadmium__	1.3			P_
7440-70-2	Calcium__	15200		E*	P_
7440-47-3	Chromium_	9.5			P_
7440-48-4	Cobalt___	3.4	B		P_
7440-50-8	Copper___	6.8			P_
7439-89-6	Iron_____	5900			P_
7439-92-1	Lead_____	15.3			P_
7439-95-4	Magnesium	9580			P_
7439-96-5	Manganese	327			P_
7439-97-6	Mercury__	0.11	U		CV
7440-02-0	Nickel___	11.4			P_
7440-09-7	Potassium	661	B		P_
7782-49-2	Selenium_	0.82	U		P_
7440-22-4	Silver___	0.44	U		P_
7440-23-5	Sodium___	41.2	U		P_
7440-28-0	Thallium_	1.2	U		P_
7440-62-2	Vanadium_	17.5			P_
7440-66-6	Zinc_____	33.7			P_
_____	Cyanide__	0.55	U		CA
_____	_____	_____			__

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color after: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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X107

000010

U.S. EPA - TLM

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY94

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D9-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.09

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _85.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	10500			P_
7440-36-0	Antimony_	1.89	B	N	P_
7440-38-2	Arsenic__	4.3			P_
7440-39-3	Barium___	96.0			P_
7440-41-7	Beryllium	0.42	B		P_
7440-43-9	Cadmium__	2.0			P_
7440-70-2	Calcium__	9350		E*	P_
7440-47-3	Chromium_	15.4			P_
7440-48-4	Cobalt___	7.0	B		P_
7440-50-8	Copper___	12.6			P_
7439-89-6	Iron____	15600			P_
7439-92-1	Lead____	25.7			P_
7439-95-4	Magnesium	6940			P_
7439-96-5	Manganese	577			P_
7439-97-6	Mercury__	0.12	U		CV
7440-02-0	Nickel___	22.3			P_
7440-09-7	Potassium	966	B		P_
7782-49-2	Selenium_	0.86	U		P_
7440-22-4	Silver___	0.47	U		P_
7440-23-5	Sodium___	80.2	B		P_
7440-28-0	Thallium_	1.3	U		P_
7440-62-2	Vanadium_	32.0			P_
7440-66-6	Zinc____	83.5			P_
_____	Cyanide__	0.70			CA

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

X108

000011

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY88

Lab Name: AMERICAN ANALYTICAL Contract: 68-D0-0051

Lab Code: AATCLA Case No.: 22356 SAS No.: _____ SDG No.: MEXD88

Matrix (soil/water): SOIL Lab Sample ID: 8140.10

Level (low/med): LOW Date Received: 11/04/94

% Solids: 91.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3130			P
7440-36-0	Antimony	1.77	U	J	P
7440-38-2	Arsenic	[illegible]			P
7440-39-3	Barium	141			P
7440-41-7	Beryllium	1.36	B		P
7440-43-9	Cadmium	1.6			P
7440-70-2	Calcium	39200		E	P
7440-47-3	Chromium	17.8			P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	37.7			P
7439-89-6	Iron	15600			P
7439-92-1	Lead	26.8			P
7439-95-4	Magnesium	15700		*	P
7439-96-5	Manganese	513			P
7439-97-6	Mercury	1.11	U		CV
7440-02-0	Nickel	17.6			P
7440-09-7	Potassium	1090	B		P
7782-49-2	Selenium	1.81	U		P
7440-22-4	Silver	1.44	U		P
7440-23-5	Sodium	137	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	154			P
	Cyanide	1.55	U		CA

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

X 201

000012

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY88

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D0-0051

Lab Code: AATSLA Case No.: 22556_ SAS No.: _____ SDG No.: MEXI88

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.11

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _75.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	8500			P_
7440-36-0	Antimony_	2.93	U	N	P_
7440-38-2	Arsenic__	2.3			P_
7440-39-3	Barium___	85.8			P_
7440-41-7	Beryllium	0.30	B		P_
7440-43-9	Cadmium__	1.6			P_
7440-70-2	Calcium__	42000		E*	P_
7440-47-3	Chromium_	19.0			P_
7440-48-4	Cobalt___	1.9	B		P_
7440-50-8	Copper___	22.6			P_
7439-89-6	Iron____	11100			P_
7439-92-1	Lead____	62.5			P_
7439-95-4	Magnesium	18300			P_
7439-96-5	Manganese	453			P_
7439-97-6	Mercury__	0.13	U		CV
7440-02-0	Nickel___	17.5			P_
7440-09-7	Potassium	678	B		P_
7782-49-2	Selenium_	0.98	U		P_
7440-22-4	Silver___	0.53	U		P_
7440-23-5	Sodium___	124	B		P_
7440-28-0	Thallium_	1.4	U		P_
7440-62-2	Vanadium_	18.0			P_
7440-66-6	Zinc____	107			P_
_____	Cyanide__	0.66	U		CA

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X202

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY97

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D9-0051

Lab Code: AATSLA Case No.: 12856_ SAS No.: _____ SDG No.: MEXD99

Matrix (soil/water): SOIL_ Lab Sample ID: 8141.11

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: 87.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	[illegible]	_	_____	P_
7440-36-0	Antimony_	[illegible]	U	_____	P_
7440-38-2	Arsenic__	[illegible]	_	_____	P_
7440-39-3	Barium___	30.4	B	_____	P_
7440-41-7	Beryllium	0.19	B	_____	P_
7440-43-9	Cadmium__	2.5	_	_____	P_
7440-70-2	Calcium__	30200	_	E	P_
7440-47-3	Chromium_	17.2	_	_____	P_
7440-48-4	Cobalt___	1.5	U	_____	P_
7440-50-8	Copper___	3.9	_	_____	P_
7439-89-6	Iron_____	5140	_	_____	P_
7439-92-1	Lead_____	10.3	_	_____	P_
7439-95-4	Magnesium	10600	_	_____	P_
7439-96-5	Manganese	193	_	_____	P_
7439-97-6	Mercury__	0.15	U	_____	CV
7440-02-0	Nickel___	9.5	B	_____	P_
7440-09-7	Potassium	283	B	_____	P_
7782-49-2	Selenium_	1.1	U	_____	P_
7440-22-4	Silver___	0.59	U	_____	P_
7440-23-5	Sodium___	111	B	_____	P_
7440-28-0	Thallium_	1.6	U	_____	P_
7440-62-2	Vanadium_	9.8	B	_____	P_
7440-66-6	Zinc_____	53.7	_	_____	P_
_____	Cyanide__	1.7	_	_____	CA
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY98

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D0-0051

Lab Code: AATSLA Case No.: 22356_ SAS No.: _____ SDG No.: MEXD98

Matrix (soil/water): SOIL_ Lab Sample ID: 9142.10

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: _79.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	3060			P
7440-36-0	Antimony_	7.99	U	N	P
7440-38-2	Arsenic__	1.5	B		P
7440-39-3	Barium___	54.1	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium__	7.9			P
7440-70-2	Calcium__	17600		E*	P
7440-47-3	Chromium_	44.5			P
7440-48-4	Cobalt___	2.1	B		P
7440-50-8	Copper___	18.2			P
7439-89-6	Iron_____	7540			P
7439-92-1	Lead_____	18.3			P
7439-95-4	Magnesium	3200		*	P
7439-96-5	Manganese	287			P
7439-97-6	Mercury__	0.14	U		CV
7440-02-0	Nickel___	13.5			P
7440-09-7	Potassium	339	B		P
7782-49-2	Selenium_	1.1	U		P
7440-22-4	Silver___	0.74	B		P
7440-23-5	Sodium___	93.1	B		P
7440-28-0	Thallium_	1.5	U		P
7440-62-2	Vanadium_	8.9	B		P
7440-66-6	Zinc_____	121			P
_____	Cyanide__	0.71	U		CA
_____	_____	_____			

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

G101

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD22

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.01

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	263	_		P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	3.9	U		P_
7440-39-3	Barium___	200	B		P_
7440-41-7	Beryllium	0.41	B		P_
7440-43-9	Cadmium__	3.8	U		P_
7440-70-2	Calcium__	110000	_		P_
7440-47-3	Chromium_	2.6	U		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	4.3	B		P_
7439-89-6	Iron____	35.2	B		P_
7439-92-1	Lead____	2.5	U		P_
7439-95-4	Magnesium	44900	_		P_
7439-96-5	Manganese	1.7	B		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	7.7	U		P_
7440-09-7	Potassium	3750	B		P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	34800	_		P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	U		P_
7440-66-6	Zinc____	14.6	B		P_
_____	Cyanide__	10.0 ~~500~~	U		CA

BY 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

G102

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD22

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.02

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	144	B		P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	14.5			P_
7440-39-3	Barium___	255			P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	3.8	U		P_
7440-70-2	Calcium__	109000			P_
7440-47-3	Chromium_	2.6	U		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	2.9	B		P_
7439-89-6	Iron_____	6350			P_
7439-92-1	Lead_____	2.5	U		P_
7439-95-4	Magnesium	127000			P_
7439-96-5	Manganese	196			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	26.3	B		P_
7440-09-7	Potassium	41400			P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	63900			P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	U		P_
7440-66-6	Zinc _____	2.2	U		P_
_____	Cyanide__	10.0 ~~500~~	U		CA

BY 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

G-103

000003

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD24

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22356_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.03

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	122			P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	3.9	U		P_
7440-39-3	Barium___	91.1	B		P_
7440-41-7	Beryllium	0.33	B		P_
7440-43-9	Cadmium__	3.8	U		P_
7440-70-2	Calcium__	100000			P_
7440-47-3	Chromium_	2.7	B		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	13.3	B		P_
7439-89-6	Iron_____	113			P_
7439-92-1	Lead_____	2.5	U		P_
7439-95-4	Magnesium	43000			P_
7439-96-5	Manganese	3.3	B		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	7.7	U		P_
7440-09-7	Potassium	4580	B		P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	82000			P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	U		P_
7440-66-6	Zinc_____	41.4			P_
_____	Cyanide__	10.0 ~~500~~	U		CA
_____	_____	_____			

By 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

G104

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD25

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 8141.04

Level (low med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	152	B		P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	3.9	U		P_
7440-39-3	Barium___	247			P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	3.8	U		P_
7440-70-2	Calcium__	148000			P_
7440-47-3	Chromium_	2.6	U		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	8.0	B		P_
7439-89-6	Iron_____	69.9	B		P_
7439-92-1	Lead_____	2.5	U		P_
7439-95-4	Magnesium	61400			P_
7439-96-5	Manganese	1090			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	15.9	B		P_
7440-09-7	Potassium	3550			P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	44400			P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	U		P_
7440-66-6	Zinc_____	5.1	B		P_
_____	Cyanide__	100 ~~500~~	U		CA

By 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

G105

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD26

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.05

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	105	U		P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	3.9	U		P_
7440-39-3	Barium___	275			P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	4.5	B		P_
7440-70-2	Calcium__	136000			P_
7440-47-3	Chromium_	2.6	U		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	3.9	B		P_
7439-89-6	Iron____	357			P_
7439-92-1	Lead____	2.5	U		P_
7439-95-4	Magnesium	41200			P_
7439-96-5	Manganese	2030			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	12.5	B		P_
7440-09-7	Potassium	3350	B		P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	3140	B		P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	U		P_
7440-66-6	Zinc____	17.2	B		P_
_____	Cyanide__	10.0 ~~500~~	U		CA By 11-29-94
_____	_____	_____			

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

G106

000008

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD27

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856_ SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.06

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	105	U		P_
7440-36-0	Antimony_	12.0	U		P_
7440-38-2	Arsenic__	23.6			P_
7440-39-3	Barium___	549			P_
7440-41-7	Beryllium	0.45	B		P_
7440-43-9	Cadmium__	3.8	U		P_
7440-70-2	Calcium__	232000			P_
7440-47-3	Chromium_	4.9	B		P_
7440-48-4	Cobalt___	5.1	U		P_
7440-50-8	Copper___	5.1	B		P_
7439-89-6	Iron____	6230			P_
7439-92-1	Lead____	2.5	U		P_
7439-95-4	Magnesium	78100			P_
7439-96-5	Manganese	360			P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	9.8	B		P_
7440-09-7	Potassium	10400			P_
7782-49-2	Selenium_	3.7	U		P_
7440-22-4	Silver___	2.0	U		P_
7440-23-5	Sodium___	37900			P_
7440-28-0	Thallium_	5.4	U		P_
7440-62-2	Vanadium_	4.1	B		P_
7440-66-6	Zinc____	2.2	U		P_
_____	Cyanide__	100 ~~500~~	U		CA
_____	_____	_____			

By 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

G107

000003

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD28

Lab Name: AMERICAN ANALYTICAL Contract: 68-D8-0051

Lab Code: AATSLA Case No.: 22856 SAS No.: SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.07

Level (low/med): LOW Date Received: 11/04/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	105	U		P
7440-36-0	Antimony	12.0	U		P
7440-38-2	Arsenic	21.5			P
7440-39-3	Barium	245			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	3.8	U		P
7440-70-2	Calcium	229000			P
7440-47-3	Chromium	2.6	U		P
7440-48-4	Cobalt	5.1	U		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	6180			P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	77000			P
7439-96-5	Manganese	258			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.7	U		P
7440-09-7	Potassium	10300			P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	37400			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	4.1	U		P
7440-66-6	Zinc	6.1	B		P
	Cyanide	10 o ~~500~~	U		CA

By 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXD29

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22856 SAS No.: _____ SDG No.: MEXD22

Matrix (soil/water): WATER Lab Sample ID: 9141.10

Level (low/med): LOW__ Date Received: 11/04/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	105	U		P
7440-36-0	Antimony	12.0	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	0.99	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	3.8	U		P
7440-70-2	Calcium	155	B		P
7440-47-3	Chromium	2.6	U		P
7440-48-4	Cobalt	5.1	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	23.7	U		P
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium	40.1	B		P
7439-96-5	Manganese	0.70	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.7	U		P
7440-09-7	Potassium	81.1	U		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	256	B		P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	4.1	U		P
7440-66-6	Zinc	4.6	B		P
	Cyanide	100 ~~500~~	U		CA

BY 11-29-94

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Wilcox - Wilcox FF 1

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 22852

1. Project Code:
Account Code:
2. Region No: V
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TPA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835146

Non-Superfund Program:
Sampler Signature: Peter Sorensen
5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012
ATTN: Dawn Borg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF, PRP, ST, FED; PA, SSI, LSI; RIFS, RD, RA, O&M, NPLD; CLEM, REMA, REM, OIL, UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type. Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EPV 22	2	L	G	1	X				5019393	G101	11/2/94 1250	PS	MEXD 22	—
EPV 22	2	L	G	6		X			5019394	G101	11/2/94 1250	PS	MEXD 22	—
EPV 22	2	L	G	6			X		5019395	G101	11/2/94 1250	PS	MEXD 22	—
EPV 23	2	L	G	1	X				5019396	G102	11/2/94 1700	PS	MEXD 23	—
EPV 23	2	L	G	6		X			5019397	G102	11/2/94 1700	PS	MEXD 23	—
EPV 23	2	L	G	6			X		5019398	G102	11/2/94 1700	PS	MEXD 23	—
EPV 24	2	L	G	1	X				5019400	G103	11/2/94 0950	PS	MEXD 24	—
EPV 24	2	L	G	6		X			5019401	G103	11/2/94 0950	PS	MEXD 24	—
EPV 24	2	L	G	6			X		5019402	G103	11/2/94 0950	PS	MEXD 24	—

Shipment for Case complete? (Y/N): Y
Page 1 of 1
Sample used for a spike and/or duplicate: EPV 28
Additional Sampler Signatures:
Chain of Custody Seal Number: 149525 / 149526

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352928

Org-1

Water Cooler #2

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

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

SAS No. (if applicable):

Case No.: 228-4

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TPA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835156

Non-Superfund Program
Sampler Signature: Peter Sorensen
5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012
ATTN Amy Borg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF / PRP / ST / FED / PA / SSI [X] / LSI / RIFS / RD / RA / O&M / NPLD / CLEM / REMA / REM / OIL / UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EPV 25	2	L	G	1	X				5019404-09405	G104	11/2/94 1115	PS	MEXD 25	—
EPV 25	2	L	G	6		X			5019405	G104	11/2/94 1115	PS	MEXD 25	—
EPV 25	2	L	G	6			X		5019406	G104	11/2/94 1115	PS	MEXD 25	—
EPV 26	2	L	G	1	X				5019407-014147	G105	11/2/94 1530	PS	MEXD 26	—
EPV 26	2	L	G	6		X			5019408	G105	11/2/94 1530	PS	MEXD 26	—
EPV 26	2	L	G	6			X		5019409	G105	11/2/94 1530	PS	MEXD 26	—
EPV 27	2	L	G	1	X				5019410-003401	G106	11/2/94 1410	PS	MEXD 27	—
EPV 27	2	L	G	6		X			5019411	G106	11/2/94 1410	PS	MEXD 27	—
EPV 27	2	L	G	6			X		5019412	G106	11/2/94 1410	PS	MEXD 27	—

Shipment for Case complete? (Y/N): Y
Page 1 of 3 (11/3/94 1 of 1)
Sample used for a spike and/or duplicate: EPV 28
Additional Sampler Signatures:
Chain of Custody Seal Number: 149527 / 149528

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94				
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	

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352929

Org-1

Water Cooler # 3

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No.: I
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TFA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835146

Non-Superfund Program
Sampler Signature: Peter Sorensen
5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012
ATTN: Pam/Borg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity: Lead: SF, PRP, ST, FED; Pre-Remedial: PA, SSI ☑, LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EPY28	2	L	G	1	X				5-019413	G107	11/2/94 1410	PS	MEXD28	DG (MEXD27) K# 11/3/94
EPY28	2	L	G	1	X				5-003420	G107	11/2/94 1410	PS	MEXD28	EPY27
EPY28	2	L	G	1	X				5-003421	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	1	X				5-003422	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	1	X				5-003423	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	1	X				5-003424	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	6		X			5-003425	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	6		X			5-003426	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	6		X			5-019414	G107	11/2/94 1410	PS	MEXD28	
EPY28	2	L	G	6			X		5-01915	G107	11/2/94 1410	PS	MEXD28	

Shipment for Case complete? (Y/N): Y
Page 1 of 2
Sample used for a spike and/or duplicate: EPY28
Additional Sampler Signatures:
Chain of Custody Seal Number: 149529/149530

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples ☐ Accepted (Signature) ☐ Declined

EPA Form 2110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352934

OG-1

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 22836

1. Project Code:	Account Code:	2. Region No.: 5	Sampling Co.: IEPA
4. Date Shipped: 11/3/94	Carrier: Federal Express		
Regional Information: TFA 102	Sampler (Name): Kim Hubbert	Airbill Number: 2463835146	
Non-Superfund Program	Sampler Signature: Kim Hubbert	5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012	
Site Name: Rockford Sand+Gravel	3. Type of Activity: Lead: SF, PRP, ST, FED; Pre-Remedial: PA, SSI (X), LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST	ATTN: Hans Borg 918/251-2858	
City, State: Rockford, IL	Site Spill ID: ZZ		

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EPV29	2	L	G	1	X				5019337	G108	11/2/94 1600	KH	MEXD29	— FB —
EPV29	2	L	G	1	X				~~5019~~ 5003403	G108	11/2/94 1600	KH	MEXD29	— FB —
EPV29	2	L	G	6		X			5019338	G108	11/2/94 1600	KH	MEXD29	— FB —
EPV29	2	L	G	6			X		5019339	G108	11/2/94 1600	KH	MEXD29	— FB —
EPV30	2	L	G	1	X				5019416	G109	11/2/94 1630	—	—	— TB —
EPV30	2	L	G	1	X				5003402	G109	11/2/94 1630	—	—	— TB —

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

Page 1 of 1

Sample used for a spike and/or duplicate: EPV 27

Additional Sampler Signatures:

Chain of Custody Seal Number: 149531 / 149532

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Kim Hubbert	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

0 352932

Org-1

Water Cooler # 5

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

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

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No: V
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TPA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835144

Non-Superfund Program:
Sampler Signature: Peter Sorensen
5. Ship To: Southwest Labs of Oklahoma
1700 West Albany, Suite C
Broken Arrow, OK 74012
ATTN: Harry Borg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity:
Lead: SF, PRP, ST, FED
Pre-Remedial: PA, SSI [X], LSI
Remedial: RIFS, RD, RA, O&M, NPLD
Removal: CLEM, REMA, REM, OIL, UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp / Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
EPY28	2	L	G	6			X		5-003427	G107	11/2/94 1410	PS	MEXD 28	Dup of EPY27
EPY28	2	L	G	6			X		5-003428	G107	11/2/94 1410	PS	MEXD 28	Dup of EPY27

Shipment for case complete? (Y/N): Y
Page 1 of 2 (2)
Sample used for a spike and/or duplicate: EPY28
Additional Sampler Signatures:
Chain of Custody Seal Number: 149529/149530

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 1110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

0 352935

Soil / Sediment - Cooler #1

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

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

SAS No. (if applicable):

Case No.: 228-6

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		V	IEPA	11/3/94	Federal Express

Regional Information: TFA 102

Sampler (Name): Pete Sorensen

Airbill Number: 2463835146

Non-Superfund Program

Sampler Signature: Pete Sorensen

5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012
ATTN: Harry Borg 918/251-2858

Site Name: Rockford Sand & Gravel

City, State: ROCKFORD, IL.

Site Spill ID: ZZ

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF, PRP, ST, FED; PA, SSI (X), LSI; RIFS, RD, RA, O&M, NPLD; CLEM, REMA, REM, OIL, UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EYM88	5	L	G	6	X				5-019328	X101	11/3/94	PS	MEXY88	—
EYM88	5	L	G	6	X				5-019329	X101	11/3/94	PS	MEXY88	—
EYM88	5	L	G	6		X	X		5-019330	X101	11/3/94	PS	MEXY88	—
EYM89	5	L	G	6	X				5-019331	X102	11/3/94	PS	MEXY89	—
EYM89	5	L	G	6	X				5-019332	X102	11/3/94	PS	MEXY89	—
EYM89	5	L	G	6	X	X	X		5-019333	X102	11/3/94	PS	MEXY89	—
EYM90	5	L	G	6	X				5-019334	X103	11/3/94	PS	MEXY90	—
EYM90	5	L	G	6	X				5-019335	X103	11/3/94	PS	MEXY90	—
EYM90	5	L	G	6		X	X		5-019336	X103	11/3/94	PS	MEXY90	—

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

Page 1 of 2

Sample used for a spike and/or duplicate: Soil-EYM93 / Sed.-EYM98

Additional Sampler Signatures:

Chain of Custody Seal Number: 157968 / 157969

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Pete Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

0 352921

Org-1

Soil / Sediment - Cooler #1

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

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

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 11-3-94
Carrier: Federal Express

Regional Information: TFA 102
Sampler (Name): Peter Sorensen
Airbill Number: 2463835144

Non-Superfund Program:
Sampler Signature: Peter Sorensen
5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012
ATTN: Harry Berg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity:
Lead: SF, PRP, ST, FED
Pre-Remedial: PA, SSI (X), LSI
Remedial: RIFS, RD, RA, O&M, NPLD
Removal: CLEM, REMA, REM, OIL, UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EYM91	5	L	G	6	X				5-019340	X104	1130 11/3/94	PS	MEXY91	—
EYM91	5	L	G	6	X				5-019341	X104	1130 11/3/94	PS	MEXY91	—
EYM91	5	L	G	6		X	X		5-019342	X104	1130 11/3/94	PS	MEXY91	—
EYM92	5	L	G	6	X				5-019343	X105	1030 11/3/94	PS	MEXY92	—
EYM92	5	L	G	6	X				5-019344	X105	1030 11/3/94	PS	MEXY92	—
EYM92	5	L	G	6		X	X		5-019345	X105	1030 11/3/94	PS	MEXY92	—
EYM93	5	L	G	6	X				5-019346	X106	1030 11/3/94	PS	MEXY93	D (EYM92)
EYM93	5	L	G	6	X				5-019347	X106	1030 11/3/94	PS	MEXY93	D (EYM92)
EYM93	5	L	G	6		X	X		5-019348	X106	1030 11/3/94	PS	MEXY93	D (EYM92)

Shipment for Case complete? (Y/N): N
Page ~~1 of 4~~ ~~2 of 2~~ 3 of 3 11-3-94
Sample used for a spike and/or duplicate: EYM 93 / Dup EYM 92
Additional Sampler Signatures:
Chain of Custody Seal Number: 157968 / 157969

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-1

Soil/Sediment - Cooler # 2

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 228

1. Project Code	Account Code	2. Region No.: V	Sampling Co.: IEPA	4. Date Shipped: 11/3/94	Carrier: Federal Express
Regional Information: TFA 102		Sampler (Name): Pete Sorensen		Airbill Number: 2463835146	
Non-Superfund Program		Sampler Signature: Peter Sorensen		5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012, ATTN: Harry Borg 918/251-2858	
Site Name: Rockford Sand + Gravel		3. Type of Activity: SF, PRP, ST, FED; Lead, Pre-Remedial: PA, SSI (X), LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST			
City, State: Rockford, IL	Site Spill ID: ZZ				

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
EYM94	5	L	G	6	X				5-019349	X107	1000 11/3/94	BS	MEXY94	—
EYM94	5	L	G	6	X				5-019350	X107	1000 11/3/94	BS	MEXY94	—
EYM94	5	L	G	6		X	X		5-019351	X107	1000 11/3/94	BS	MEXY94	—
EYM95	5	L	G	6	X				5-019352	X108	0910 11/3/94	BS	MEXY95	—
EYM95	5	L	G	6	X				5-019353	X108	0910 11/3/94	BS	MEXY95	—
EYM95	5	L	G	6		X	X		5-019354	X108	0910 11/3/94	BS	MEXY95	—
EYM96	5	L	G	6	X				5-019355	X201	1530 11/3/94	BS	MEXY96	—
EYM96	5	L	G	6	X				5-019356	X201	1530 11/3/94	BS	MEXY96	—
EYM96	5	L	G	6		X	X		5-019357	X201	1530 11/3/94	BS	MEXY96	—

Shipment for Case complete? (Y/N)	Page 1 of 4	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
	KH 11/3/94 3 of 28	EYM93/Dup-EYM98		157974/157975

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Peter Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352926

Org-1

2-513

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 22856

1. Project Code:
Account Code:
2. Region No.: V
Sampling Co.: IEPA
4. Date Shipped: 11/3/94
Carrier: Federal Express

Regional Information: TFA 102
Sampler (Name): Pete Sorensen
Airbill Number: 2463835146

Non-Superfund Program
Sampler Signature: Pete Sorensen
5. Ship To: Southwest Labs of Oklahoma, 1700 West Albany, Suite C, Broken Arrow, OK 74012, ATTN: Cherry Borg 918/251-2858

Site Name: Rockford Sand & Gravel
City, State: Rockford, IL
Site Spill ID: ZZ

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF, PRP, ST, FED; PA, SSI (X), LSI; RIFS, RD, RA, O&M, NPLD; CLEM, REMA, REM, OIL, UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	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 Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EVM97	5	L	G	6	X				5-019358	X202	11/3/94 0840	PS	MEXY97	—
EVM97	5	L	G	6	X				5-019359	X202	11/3/94 0840	PS	MEXY97	—
EVM97	5	L	G	6		X	X		5-019360	X202	11/3/94 0840	PS	MEXY97	—
EVM98	5	L	G	6	X				5-019361	X203	11/3/94 0840	PS	MEXY98	D (EVM97)
EVM98	5	L	G	6	X				5-019362	X203	11/3/94 0840	PS	MEXY98	D (EVM97)
EVM98	5	L	G	6		X	X		5-019363	X203	11/3/94 0840	PS	MEXY98	D (EVM97)
EVM99	5	L	G	6	X				5-019364	X204	11/3/94 0850	PS	MEXY99	—
EVM99	5	L	G	6	X				5-019365	X204	11/3/94 0850	PS	MEXY99	—
EVM99	5	L	G	6		X	X		5-019366	X204	11/3/94 0850	PS	MEXY99	—
~~EVM97~~														

KH 11/31/94

Shipment for Case complete? (Y/N):
Page 1 of ___: 2 of 2
Sample used for a spike and/or duplicate: EVM98 / Soil-EVM93
Additional Sampler Signatures:
Chain of Custody Seal Number: 157974 / 157975

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Pete Sorensen	11/3/94 1615				
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	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352933

Org-1

G101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY22

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14023.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/11/94

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

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

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

G101

EPA SAMPLE NO.

EPY22

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14023.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/11/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

G102

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY23

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14007.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

6102

EPA SAMPLE NO.

EPY23

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14007.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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6103

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14008.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

~~F~~103

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY24

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14008.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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8104

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY25

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14009.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

6104

EPA SAMPLE NO.

EPY25

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14009.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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B105

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY26

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14010.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

G105

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY26

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14010.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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G106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY27

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14011.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

G106

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY27

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14011.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	106-46-7	Benzene, 1,4-dichloro-	17.136	4	NJ
2.					
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G-107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14012.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

G107

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY28

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14012.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	106-46-7	Benzene, 1,4-dichloro-	17.145	5	NJ
2.					
3.					
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G-108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY29

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14013.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

G109

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY29

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14013.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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G-109

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY30

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14014.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

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

G109

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY30

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L14014.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. _____ Date Analyzed: 11/10/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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X101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM88

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14892.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	13	B u
67-64-1	Acetone	~~12~~ 3	JB u PT 12/23/94
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

X101

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM88

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14892.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.790	18	JB u
2.					
3.					
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5.					
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X101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM88RE

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14917.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/09/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	12 ~~4~~	JB
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

4 WL 8/12

x101

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM88RE

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14917.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/09/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.802	18	JB
2.					
3.					
4.					
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X102

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM89

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14893.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~9~~	JB
67-64-1	Acetone	11 ~~3~~	JB
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	4	J
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

X102

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM89

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14893.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/08/94

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

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.790	22	~~JB~~
2.	UNKNOWN HYDROCARBON	9.728	12	J
3.	UNKNOWN	10.275	29	J
4.	UNKNOWN CYCLOALKANE	10.494	10	J
5.	UNKNOWN	10.579	11	J
6.	UNKNOWN CYCLOALKANE	10.664	15	J
7.	UNKNOWN	10.810	13	
8.	UNKNOWN CYCLOALKANE	10.968	12	J
9.	UNKNOWN	11.223	15	J
10.	UNKNOWN ALKYL BENZENE	11.503	20	J
11.	UNKNOWN	12.281	13	J
12.				
13.				
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X102

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM89RE

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14918.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/09/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	7	JB
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

u ST 12/23/94

X102

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM89RE

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14918.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/09/94

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

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	25	~~JB~~
2.	UNKNOWN CYCLOALKANE	9.678	11	J
3.	UNKNOWN HYDROCARBON	9.739	11	J
4.	UNKNOWN	10.286	25	J
5.	UNKNOWN CYCLOALKANE	10.517	9	J
6.	UNKNOWN	10.590	11	J
7.	Benzene, ethyl-methyl-	10.663	15	
8.	UNKNOWN	11.234	15	J
9.	Benzene, trimethyl-	11.514	24	J
10.	UNKNOWN CYCLOALKANE	12.000	9	J
11.	UNKNOWN	12.280	15	J
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X103

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM90

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14922.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/09/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	39	B
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

X103

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM90

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14922.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 16 Date Analyzed: 11/09/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.790	14	~~JB~~ u
2.				
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X104

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM91

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14895.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 9 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~10~~	JB
67-64-1	Acetone	11 ~~3~~	JB
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	3	J
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

12/23/94

X104

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM91

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14895.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 9 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.790	19	~~JB~~ u
2.					
3.					
4.					
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X105

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM92

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14896.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 12 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4 ~~10~~	JB
67-64-1	Acetone	4 ~~4~~	JB
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	3	J
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

12/23/9

X105

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM92

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14896.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 12 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.790	23	~~JB~~ u
2.				
3.				
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X105

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM92RE

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14920.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 12 Date Analyzed: 11/09/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11 ~~3~~	JB 35 12/23/94
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

X105

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM92RE

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14920.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 12 Date Analyzed: 11/09/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	27	~~J~~ u
2.				
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X106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM93

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.15

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14897.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 11 Date Analyzed: 11/08/94

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

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

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

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X106

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM93

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.15

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14897.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 11 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.790	20	~~JB~~
2.					
3.					
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X107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM94

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14900.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~7~~	JB u 35
67-64-1	Acetone	11 ~~2~~	JB u 12/23/94
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

X107

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM94

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14900.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.802	19	~~JB~~ U
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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X108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM95

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.17

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14901.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 9 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~10~~	JB
67-64-1	Acetone	11 ~~3~~	JB
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	2	J
1330-20-7	Xylene (Total)	11	U

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X108

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM95

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.17

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14901.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 9 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	26	~~JB~~
2.				
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X201

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM96

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.18

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14921.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 22 Date Analyzed: 11/09/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	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	U
67-64-1	Acetone	38	B
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	18	
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

X201

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM96

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.18

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14921.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 22 Date Analyzed: 11/09/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	34	~~JB~~
2.				
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12/2

X202

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM97

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14903.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 25 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	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 ~~6~~	JB
67-64-1	Acetone	13 ~~11~~	JB
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	13	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

4 ~~8~~ 4/23/95

x202

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM97

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14903.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 25 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	37	~~JB~~ u ST 12/2
2.				
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X203

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM98

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14904.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 21 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	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 ~~6~~	JB
67-64-1	Acetone	13 ~~9~~	JB
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	13	U
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

X203

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM98

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14904.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 21 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

CL 1-23-95

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	30	JB ~~JB~~
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X204

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM99

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14907.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 21 Date Analyzed: 11/08/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	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 ~~6~~	JB u
67-64-1	Acetone	13 ~~5~~	JB u CT 12/23/94
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	13	U
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

X204

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM99

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22858 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I14907.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 21 Date Analyzed: 11/08/94

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.802	24	~~JB~~ U
2.				
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G101

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY22

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0834.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

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

G101

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY22

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0834.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	34	B
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

G101

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY22

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0834.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.710	2	J
2.				
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G102

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY23

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0835.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

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

G102

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY23

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0835.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	35	B
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

G102

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY23

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0835.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	5.871	4	J
2.	105-60-2	Caprolactam	6.546	10	NJ
3.		UNKNOWN	6.636	2	J
4.		UNKNOWN	10.059	2	J
5.	934-34-9	2(3H)-Benzothiazolone	10.172	7	NJ
6.	10544-50-0	Sulfur, mol. (S8)	12.944	9	NJ
7.		UNKNOWN	13.372	9	J
8.		UNKNOWN	13.508	3	J
9.		UNKNOWN	19.558	5	J
10.					
11.					
12.					
13.					
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G/03

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0836.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G103

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0836.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

G103

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY24

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0836.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	14.186	12	J
2.		UNKNOWN	16.996	2	J
3.		UNKNOWN	20.250	2	J
4.		UNKNOWN	20.656	6	J
5.		UNKNOWN	21.298	4	
6.		UNKNOWN	21.704	14	J
7.		UNKNOWN	21.772	9	J
8.		UNKNOWN	22.223	2	J
9.		UNKNOWN	22.290	2	J
10.					
11.					
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G103

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24RE

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M2487.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/10/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G103

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24RE

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M2487.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/10/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	0.6	J
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	0.5	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.6	J
53-70-3	Dibenz(a,h)anthracene	0.6	J
191-24-2	Benzo(g,h,i)perylene	0.7	J

(1) - Cannot be separated from Diphenylamine

G103

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY24RE

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.03RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M2487.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/10/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		-Octadecenoic acid, methyl e	12.771	12	J
2.		UNKNOWN	12.816	7	J
3.		UNKNOWN ORGANIC ACID	13.031	24	J
4.		UNKNOWN ORGANIC ACID	13.156	4	J
5.		Phenol, -thiobis[-dimethylet	16.629	3	J
6.		UNKNOWN	18.199	2	J
7.		UNKNOWN	19.860	2	J
8.		UNKNOWN	20.154	6	J
9.		UNKNOWN	20.709	2	J
10.		UNKNOWN	21.071	12	J
11.		UNKNOWN	21.128	14	J
12.		UNKNOWN ESTER	21.864	5	J
13.		UNKNOWN	22.272	43	J
14.					
15.					
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G104

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY25

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0851.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/10/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G104

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY25

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0851.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/10/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~4~~	JB u ST 12/23/9
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

G104

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY25

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0851.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/10/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN KETONE	3.227	6	J
2.	18641-81-1	Ether, sec-butyl isopropyl	4.454	5	NJ
3.		UNKNOWN ORGANIC ACID	13.384	10	J
4.		UNKNOWN	14.206	6	J
5.		UNKNOWN ALKANE	14.319	2	
6.		UNKNOWN	16.322	2	
7.		UNKNOWN	18.836	3	J
8.		UNKNOWN ORGANIC ACID	19.581	33	J
9.		UNKNOWN	19.988	5	J
10.		UNKNOWN	20.620	8	J
11.		UNKNOWN	20.654	7	J
12.		UNKNOWN	20.710	3	J
13.		UNKNOWN	21.342	22	J
14.		UNKNOWN	21.715	10	J
15.		UNKNOWN ESTER	21.772	6	J
16.		UNKNOWN	22.178	52	J
17.					
18.					
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G105

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY26

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0838.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G105

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY26

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0838.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

(1) - Cannot be separated from Diphenylamine

G105

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY26

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0838.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN KETONE	2.969	5	J
2. 105-60-2	Caprolactam	6.555	43	NJ
3.	UNKNOWN ORGANIC ACID	12.201	2	J
4.	UNKNOWN ORGANIC ACID	13.383	18	J
5.	UNKNOWN	13.519	4	J
6.	UNKNOWN	14.746	2	J
7.	UNKNOWN	15.129	3	J
8.	UNKNOWN	16.198	3	J
9.	UNKNOWN ALKANE	16.998	2	J
10.	UNKNOWN	17.573	2	J
11.	UNKNOWN	18.802	4	J
12.	UNKNOWN	18.847	2	J
13.	UNKNOWN	19.547	51	J
14.	UNKNOWN	19.648	3	J
15.	Unknown	19.795	2	J
16.	UNKNOWN	20.393	2	J
17.	UNKNOWN	20.461	2	J
18.	UNKNOWN	21.567	2	J
19.	UNKNOWN	22.198	18	J
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G-106

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY27

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0839.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G106

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY27

b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0839.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	18	B
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

4 ST 12/23/9

(1) - Cannot be separated from Diphenylamine

G106

EPA SAMPLE NO.

EPY27

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0839.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	6.533	24	NJ
2.		UNKNOWN KETONE	8.648	3	J
3.		UNKNOWN	8.817	6	J
4.		UNKNOWN ORGANIC ACID	9.515	2	J
5.	934-34-9	2(3H)-Benzothiazolone	10.179	7	NJ
6.		UNKNOWN	11.124	6	J
7.		UNKNOWN CYCLOALKANE	12.070	3	J
8.		UNKNOWN	12.825	4	J
9.		UNKNOWN	12.870	2	J
10.	10544-50-0	Sulfur, mol. (S8)	12.972	120	NJ
11.		UNKNOWN ALKENE	13.377	7	J
12.		UNKNOWN	13.411	12	J
13.		UNKNOWN	13.479	10	J
14.		UNKNOWN	15.146	2	J
15.		UNKNOWN	16.205	3	J
16.		UNKNOWN	18.391	3	J
17.		UNKNOWN ESTER	22.262	26	J
18.		UNKNOWN	22.352	2	J
19.					
20.					
21.					
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G107

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0840.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

G107

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0840.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	0.6	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	EB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

G107

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY28

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0840.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	5.883	2	J
2.	105-60-2	Caprolactam	6.580	52	NJ
3.		UNKNOWN	6.648	2	J
4.		UNKNOWN ORGANIC ACID	8.663	3	J
5.		UNKNOWN	8.821	6	J
6.	934-34-9	2(3H)-Benzothiazolone	10.185	7	NJ
7.		UNKNOWN ORGANIC ACID	10.771	2	J
8.		UNKNOWN	10.963	3	J
9.		UNKNOWN	11.133	5	J
10.		UNKNOWN KETONE	12.081	10	J
11.		UNKNOWN	12.137	4	J
12.		UNKNOWN ORGANIC ACID	12.205	5	J
13.	10544-50-0	Sulfur, mol. (S8)	12.973	97	NJ
14.		UNKNOWN ALCOHOL	13.379	6	J
15.		UNKNOWN ORGANIC ACID	13.413	10	J
16.		UNKNOWN ORGANIC ACID	13.515	7	J
17.		UNKNOWN	15.140	2	J
18.		UNKNOWN	18.648	9	J
19.		UNKNOWN	20.636	35	J
20.					
21.					
22.					
23.					
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25.					
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28.					
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G107

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0898.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	40	U
111-44-4	bis(2-Chloroethyl)Ether	40	U
95-57-8	2-Chlorophenol	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
95-48-7	2-Methylphenol	40	U
108-60-1	2,2'-oxybis(1-Chloropropane)	40	U
106-44-5	4-Methylphenol	40	U
621-64-7	N-Nitroso-di-n-propylamine	40	U
67-72-1	Hexachloroethane	40	U
98-95-3	Nitrobenzene	40	U
78-59-1	Isophorone	40	U
88-75-5	2-Nitrophenol	40	U
105-67-9	2,4-Dimethylphenol	40	U
111-91-1	bis(2-Chloroethoxy)methane	40	U
120-83-2	2,4-Dichlorophenol	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
91-20-3	Naphthalene	40	U
106-47-8	4-Chloroaniline	40	U
87-68-3	Hexachlorobutadiene	40	U
59-50-7	4-Chloro-3-Methylphenol	40	U
91-57-6	2-Methylnaphthalene	40	U
77-47-4	Hexachlorocyclopentadiene	40	U
88-06-2	2,4,6-Trichlorophenol	40	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	40	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	40	U
208-96-8	Acenaphthylene	40	U
606-20-2	2,6-Dinitrotoluene	40	U
99-09-2	3-Nitroaniline	100	U
83-32-9	Acenaphthene	40	U

G107

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28DL

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0898.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	100	U
100-02-7	4-Nitrophenol	100	U
132-64-9	Dibenzofuran	40	U
121-14-2	2,4-Dinitrotoluene	40	U
84-66-2	Diethylphthalate	40	U
7005-72-3	4-Chlorophenyl-phenylether	40	U
86-73-7	Fluorene	40	U
100-01-6	4-Nitroaniline	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
86-30-6	N-Nitrosodiphenylamine (1)	40	U
101-55-3	4-Bromophenyl-phenylether	40	U
118-74-1	Hexachlorobenzene	40	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	40	U
120-12-7	Anthracene	40	U
86-74-8	Carbazole	40	U
84-74-2	Di-n-butylphthalate	40	U
206-44-0	Fluoranthene	40	U
129-00-0	Pyrene	40	U
85-68-7	Butylbenzylphthalate	40	U
91-94-1	3,3'-Dichlorobenzidine	40	U
56-55-3	Benzo(a)anthracene	40	U
218-01-9	Chrysene	40	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	BD
117-84-0	Di-n-octylphthalate	40	U
205-99-2	Benzo(b)fluoranthene	40	U
207-08-9	Benzo(k)fluoranthene	40	U
50-32-8	Benzo(a)pyrene	40	U
193-39-5	Indeno(1,2,3-cd)pyrene	6	JD
53-70-3	Dibenz(a,h)anthracene	40	U
191-24-2	Benzo(g,h,i)perylene	6	JD

(1) - Cannot be separated from Diphenylamine

G107

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY28DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.07DL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0898.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 105-60-2	Caprolactam	8.584	120	NJD
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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X107

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM94

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0881.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

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	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-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	56	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	75	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	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	890	U
83-32-9	Acenaphthene	49	J

X106

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM93

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0878.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.294	13000	~~NJA~~ u
2.		UNKNOWN ORGANIC ACID	11.790	240	J
3.		UNKNOWN AMIDE	11.881	160	J
4.	150-86-7	Phytol	12.773	160	NJ
5.		UNKNOWN AMIDE	13.089	210	J
6.		UNKNOWN AMIDE	13.213	260	J
7.		UNKNOWN AMIDE	14.321	2200	J
8.		UNKNOWN AMIDE	14.434	190	J
9.		UNKNOWN ALKANE	16.041	260	J
10.		UNKNOWN AMIDE	16.517	1500	J
11.		UNKNOWN ALKANE	17.016	1200	J
12.		UNKNOWN ALCOHOL	17.061	670	J
13.		UNKNOWN ALKANE	17.935	850	J
14.		UNKNOWN CYCLOALKANE	18.004	260	J
15.		UNKNOWN ALDEHYDE	18.595	260	J
16.		UNKNOWN ALKANE	18.788	330	J
17.		UNKNOWN	18.868	390	J
18.	83-47-6	.gamma.-Sitosterol	19.118	1000	NJ
19.		UNKNOWN	19.346	400	J
20.	1058-61-3	Stigmast-4-en-3-one	19.711	460	NJ
21.		UNKNOWN	20.052	720	J
22.		UNKNOWN	20.166	650	J
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

X106

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM93

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0878.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	25	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	43	J
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	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	900	U
85-01-8	Phenanthrene	540	
120-12-7	Anthracene	81	J
86-74-8	Carbazole	64	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	730	
129-00-0	Pyrene	750	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	420	
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~50~~	JB u 8T 12/23/94
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	360	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenz(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	290	J

(1) - Cannot be separated from Diphenylamine

X106

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM93

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0878.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-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	370	U
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	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	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	900	U
83-32-9	Acenaphthene	48	J

X105

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM92

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0877.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.283	14000	~~NJA~~ u
2.		UNKNOWN AMIDE	13.098	290	J
3.		UNKNOWN AMIDE	13.211	260	J
4.		UNKNOWN AMIDE	14.322	4700	~~J~~ ST 12/23/94
5.		UNKNOWN	14.583	810	J
6.		UNKNOWN ALKANE	16.039	700	J
7.		UNKNOWN AMIDE	16.528	1600	~~J~~ u
8.		UNKNOWN ALKANE	17.018	1000	J
9.		UNKNOWN ALKENE	17.064	670	J
10.		UNKNOWN ALKANE	17.931	1200	J
11.		Unknown	18.250	580	J
12.		UNKNOWN ALKANE	18.799	630	J
13.		UNKNOWN	18.879	860	J
14.		UNKNOWN	19.107	770	J
15.		UNKNOWN	19.347	910	J
16.		UNKNOWN	19.404	940	J
17.		UNKNOWN	19.519	720	J
18.		UNKNOWN KETONE	19.713	860	J
19.		UNKNOWN	20.055	870	J
20.		UNKNOWN HYDROCARBON	20.158	830	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

X105

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM92

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0877.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	26	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	57	J
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	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	910	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	74	J
84-74-2	Di-n-butylphthalate	33	J
206-44-0	Fluoranthene	960	
129-00-0	Pyrene	970	
85-68-7	Butylbenzylphthalate	61	J
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	500	
218-01-9	Chrysene	530	
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~77~~	JB
117-84-0	Di-n-octylphthalate	20	J
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	980	
50-32-8	Benzo(a)pyrene	440	
193-39-5	Indeno(1,2,3-cd)pyrene	370	J
53-70-3	Dibenz(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	410	

(1) - Cannot be separated from Diphenylamine

12/23/94

X105

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM92

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0877.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	910	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	21	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	47	J

X104

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM91

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0876.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.272	12000	~~NJA~~	u
2.		UNKNOWN ALKENE	3.027	91	J	
3.		Naphthalene, -dimethyl-	7.627	110	J	
4.		UNKNOWN	8.350	340	J	
5.		UNKNOWN ALKANE	9.051	230	J	
6.		UNKNOWN ALKANE	9.436	230	J	
7.		UNKNOWN ALKANE	9.832	81	J	12/23/94
8.		UNKNOWN ALKENE	11.226	92	J	
9.		Anthracene, -methyl-	11.408	85	J	
10.		UNKNOWN AMIDE	11.874	100	J	
11.		UNKNOWN	12.272	92	~~J~~	u
12.	10544-50-0	Sulfur, mol. (S8)	12.511	3000	J	
13.		UNKNOWN	12.773	230	J	
14.		UNKNOWN AMIDE	13.092	220	J	
15.		UNKNOWN AMIDE	13.206	150	J	
16.		UNKNOWN ALKANE	13.480	96	~~J~~	u
17.		UNKNOWN AMIDE	14.313	2400	J	
18.		UNKNOWN ALKANE	15.810	90	J	
19.		UNKNOWN AMIDE	16.462	290	J	
20.		UNKNOWN AMIDE	16.519	2200	J	
21.		UNKNOWN PAH	18.340	380	J	
22.		UNKNOWN ALKANE	18.787	430	~~J~~	u
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

X104

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM91

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0876.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	29	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	56	J
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	78	J
86-74-8	Carbazole	64	J
84-74-2	Di-n-butylphthalate	60	J
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	720	
85-68-7	Butylbenzylphthalate	52	J
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	400	
218-01-9	Chrysene	370	
117-81-7	bis(2-Ethylhexyl)phthalate	360 ~~92~~	JB
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	820	
50-32-8	Benzo(a)pyrene	370	
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenz(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	290	J

LL 12/23/94

(1) - Cannot be separated from Diphenylamine

X104

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM91

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0876.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	34	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	20	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	32	J
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	32	J

X103

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM90

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0867.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 23

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.298	11000	~~NJA~~
2.		UNKNOWN ALKANE	9.145	240	J
3.		UNKNOWN ORGANIC ACID	11.874	230	J
4.		UNKNOWN AMIDE	11.965	630	J
5.	10544-50-0	Sulfur, mol. (S8)	12.553	1200	NJ
6.		UNKNOWN	12.598	210	J
7.		UNKNOWN	12.870	170	J
8.		UNKNOWN HYDROCARBON	13.097	1300	J
9.		UNKNOWN	13.233	1900	J
10.		UNKNOWN AMIDE	13.301	940	J
11.		Pyrene, -methyl-	13.608	330	J
12.		UNKNOWN AMIDE	13.755	220	J
13.		UNKNOWN AMIDE	13.800	170	J
14.		UNKNOWN AMIDE	14.424	6200	J
15.		UNKNOWN AMIDE	14.538	370	JB
16.	205-43-6	Benzo[b]naphtho[1,2-d]thioph	14.663	150	~~J~~
17.		UNKNOWN AMIDE	15.537	240	J
18.		UNKNOWN AMIDE	16.628	6100	J
19.		UNKNOWN ALKANE	17.105	550	J
20.		UNKNOWN	18.880	490	J
21.		UNKNOWN	19.222	810	J
22.		UNKNOWN	20.075	1000	J
23.		UNKNOWN	20.132	540	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

X103

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM90

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0867.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	32	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	30	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	61	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	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	950	U
85-01-8	Phenanthrene	750	
120-12-7	Anthracene	140	J
86-74-8	Carbazole	88	J
84-74-2	Di-n-butylphthalate	51	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	690	
218-01-9	Chrysene	660	
117-81-7	bis(2-Ethylhexyl)phthalate	320	JB
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	470	
193-39-5	Indeno(1,2,3-cd)pyrene	350	J
53-70-3	Dibenz(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	420	

(1) - Cannot be separated from Diphenylamine

X103

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM90

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0867.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	32	J
95-50-1	1,2-Dichlorobenzene	120	J
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	41	J
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	38	J
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	22	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	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	950	U
83-32-9	Acenaphthene	55	J

X102

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM89

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0866.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.309	15000	~~NJA~~ u
2.		UNKNOWN ALKANE	3.954	660	J
3.		UNKNOWN ALKANE	8.324	530	J
4.		UNKNOWN ALKANE	9.152	1300	J
5.		UNKNOWN ALKANE	9.948	1500	J
6.		UNKNOWN ALKANE	9.993	830	J
7.		UNKNOWN ALKANE	11.371	640	J
8.		UNKNOWN ALKANE	11.999	1400	J
9.		UNKNOWN	12.090	1700	J
10.		UNKNOWN ALKANE	12.124	1400	J
11.		UNKNOWN ALKANE	12.238	1200	J
12.		UNKNOWN ALKANE	12.375	2900	J
13.	10544-50-0	Sulfur, mol. (S8)	12.581	14000	NJ
14.	12427-38-2	Maneb	12.661	6600	NJ
15.		UNKNOWN ALKANE	13.600	1700	J
16.		UNKNOWN ALKANE	14.081	1300	J
17.		UNKNOWN AMIDE	14.413	4300	J
18.		UNKNOWN ALKANE	15.812	1300	~~J~~ u
19.		UNKNOWN ALKANE	17.462	1400	J
20.		UNKNOWN KETONE	19.301	1300	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

SR 12/23/94

X102

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM89

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0866.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	76	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	220	J
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	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	890	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	230	J
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	38	J
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	960	
218-01-9	Chrysene	770	
117-81-7	bis(2-Ethylhexyl)phthalate	620	B
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	560	
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenz(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	370	

(1) - Cannot be separated from Diphenylamine

X102

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM89

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0866.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-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	150	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	35	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	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	890	U
83-32-9	Acenaphthene	180	J

X101

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM88

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0865.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.310	21000	~~NJA~~ u
2.		UNKNOWN ALCOHOL	11.284	240	J
3.		UNKNOWN	11.847	200	J
4.		UNKNOWN AMIDE	13.154	160	J
5.		UNKNOWN AMIDE	13.278	240	J
6.		UNKNOWN AMIDE	14.372	2600	J
7.		UNKNOWN AMIDE	14.507	140	~~J~~ u
8.		UNKNOWN ALCOHOL	16.131	710	J
9.		UNKNOWN AMIDE	16.582	1900	J
10.		UNKNOWN ALDEHYDE	16.819	1400	~~J~~ u
11.		UNKNOWN ALKANE	17.090	1300	J
12.		UNKNOWN	17.135	560	J
13.		UNKNOWN HYDROCARBON	17.767	690	J
14.		UNKNOWN ALKANE	18.004	980	J
15.		UNKNOWN ALKANE	18.862	680	J
16.	83-47-6	.gamma.-Sitosterol	19.178	2000	NJ
17.		UNKNOWN	19.314	260	J
18.		UNKNOWN KETONE	19.393	960	J
19.		UNKNOWN	19.461	230	J
20.		UNKNOWN	19.585	280	J
21.		UNKNOWN KETONE	19.777	1000	J
22.		UNKNOWN	19.969	480	J
23.		UNKNOWN	20.116	850	J
24.		UNKNOWN	20.229	3900	J
25.		UNKNOWN	20.387	260	J
26.					
27.					
28.					
29.					
30.					

SR 12/23

X101

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM88

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0865.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	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	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	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	950	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	50	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	72	J
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	420	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~150~~	JB
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	140	J

(1) - Cannot be separated from Diphenylamine

X101

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM88

) Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0865.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	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	950	U
83-32-9	Acenaphthene	390	U

G-108

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EPY29

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0843.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	68-12-2	Formamide, N,N-dimethyl-	1.946	4	NJ
2.		Unknown	20.218	3	J
3.		UNKNOWN CYCLOALKANE	20.613	68	J
4.		UNKNOWN	20.907	4	J
5.		UNKNOWN	20.963	6	J
6.		UNKNOWN	21.144	4	J
7.		UNKNOWN	21.189	2	J
8.		UNKNOWN	21.223	2	J
9.		UNKNOWN	22.182	2	J
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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G108

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY29

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0843.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

u ST 12/23/94

(1) - Cannot be separated from Diphenylamine

G108

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY29

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P0843.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 11/04/94

Concentrated Extract Volume: 1000(UL) Date Analyzed: 11/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

X107

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM94

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0881.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/11/94

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	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	39	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	24	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	50	J
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	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	890	U
85-01-8	Phenanthrene	380	
120-12-7	Anthracene	71	J
86-74-8	Carbazole	60	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	700	
129-00-0	Pyrene	600	
85-68-7	Butylbenzylphthalate	30	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	290	J
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~45~~	JB u 12/23/94
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	630	
50-32-8	Benzo(a)pyrene	300	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenz(a,h)anthracene	98	J
191-24-2	Benzo(g,h,i)perylene	210	J

(1) - Cannot be separated from Diphenylamine

X107

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM94

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0881.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/11/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.317	12000	~~NJA~~ u
2.	90-12-0	Naphthalene, 1-methyl-	6.671	78	NJ
3.		-Cyclopenta[]phenanthrene	11.605	100	J
4.		UNKNOWN ESTER	11.718	110	J
5.		UNKNOWN ORGANIC ACID	11.785	150	J
6.		UNKNOWN AMIDE	11.876	110	J
7.		UNKNOWN KETONE	12.000	89	J
8.	12427-38-2	Maneb	12.473	230	NJ
9.		UNKNOWN AMIDE	13.094	96	J
10.		UNKNOWN AMIDE	13.207	160	J
11.		Pyrene, -methyl-	13.569	83	~~J~~ u
12.		UNKNOWN AMIDE	14.314	1200	J
13.		UNKNOWN AMIDE	14.438	120	J
14.		UNKNOWN PAH	14.642	91	~~J~~ u
15.		UNKNOWN AMIDE	16.531	1600	J
16.		UNKNOWN	16.633	140	J
17.		UNKNOWN ALKANE	17.018	420	J
18.		UNKNOWN ALKANE	17.937	200	J
19.		UNKNOWN ALKANE	18.787	280	J
20.		UNKNOWN PAH	19.150	170	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

X108

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM95

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2552.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	18	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	150	J

X108

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM95

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2552.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	62	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	260	J
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	25	J
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2400	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	360 ~~330~~	JB
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	900	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenz(a,h)anthracene	560	
191-24-2	Benzo(g,h,i)perylene	980	B

U SR 12/23/94

(1) - Cannot be separated from Diphenylamine

X109

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM95

) Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2552.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.227	9300	~~NJA~~	u
2.		-Cyclopenta[def]phenanthrene	11.344	160	J	
3.		UNKNOWN AMIDE	12.844	180	J	
4.		UNKNOWN AMIDE	12.957	160	~~J~~	u
5.		-Benzo[ ]fluorene	13.286	150	J	
6.		-Benzo[ ]fluorene	13.399	160	J	
7.		UNKNOWN AMIDE	14.066	3700	J	12/23/94
8.	82-05-3	7H-Benz[de]anthracen-7-one	14.157	240	NJ	
9.		UNKNOWN AMIDE	14.191	240	J	
10.	239-35-0	Benzo[b]naphtho[2,1-d]thioph	14.304	310	NJ	
11.		UNKNOWN ALDEHYDE	14.384	790	~~J~~	u
12.		UNKNOWN PAH	14.894	340	J	
13.		UNKNOWN AMIDE	16.256	1800	J	
14.		UNKNOWN ALKANE	16.746	930	~~J~~	u
15.	192-97-2	Benzo[e]pyrene	16.803	950	NJ	
16.		UNKNOWN ALKANE	17.656	390	J	
17.		UNKNOWN HYDROCARBON	18.488	750	J	
18.		UNKNOWN	18.603	480	J	
19.		UNKNOWN PAH	18.819	530	J	
20.		Naphtho[ ]chrysene	19.904	390	J	
21.		Naphtho[ ]chrysene	20.462	400	J	
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

X201

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM96

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0913.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	36	J

X201

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM96

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0913.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	48	J
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	650	
120-12-7	Anthracene	150	J
86-74-8	Carbazole	56	J
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	190	J
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	540	
218-01-9	Chrysene	660	
117-81-7	bis(2-Ethylhexyl)phthalate	420 ~~220~~	JB u SR 12/23/94
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	850	
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	610	
193-39-5	Indeno(1,2,3-cd)pyrene	350	J
53-70-3	Dibenz(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	380	J

(1) - Cannot be separated from Diphenylamine

X201

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM96

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P0913.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.101	14000	NJA
2.		Phenanthrene, -methyl-	14.307	620	J
3.		Phenanthrene, -methyl-	14.363	480	J
4.		UNKNOWN ORGANIC ACID	14.420	1000	J
5.		UNKNOWN	15.197	790	J
6.		UNKNOWN ALKANE	15.321	790	J
7.		UNKNOWN	15.389	680	J
8.		UNKNOWN ALDEHYDE	15.659	500	J
9.		UNKNOWN AMIDE	17.090	1700	J
10.		UNKNOWN ALCOHOL	18.477	320	J
11.		UNKNOWN ALCOHOL	18.669	370	J
12.		UNKNOWN ALKANE	18.792	490	J
13.		UNKNOWN CYCLOALKANE	18.995	760	J
14.		UNKNOWN CYCLOALKANE	19.187	1100	J
15.		UNKNOWN AMIDE	19.345	1400	J
16.		UNKNOWN CYCLOALKANE	19.492	1400	J
17.		UNKNOWN CYCLOALKANE	19.673	1700	J
18.		UNKNOWN ALKENE	19.797	2800	J
19.		UNKNOWN ORGANIC ACID	20.000	2100	J
20.		UNKNOWN ORGANIC ACID	20.192	2000	J
21.	192-97-2	Benzo[e]pyrene	20.519	920	NJ
22.		UNKNOWN ALKANE	20.869	820	J
23.		UNKNOWN PAH	22.548	980	J
24.		UNKNOWN	22.920	910	J
25.		UNKNOWN HYDROCARBON	23.100	2100	J
26.					
27.					
28.					
29.					
30.					

X202

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM97

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2537.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/15/94

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	32	J
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	36	J

X207

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM97

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2537.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/15/94

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	27	J
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	43	J
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	520	
120-12-7	Anthracene	150	J
86-74-8	Carbazole	48	J
84-74-2	Di-n-butylphthalate	37	J
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	130	J
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	490	
218-01-9	Chrysene	560	
117-81-7	bis(2-Ethylhexyl)phthalate	440 ~~98~~	JB
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	860	
50-32-8	Benzo(a)pyrene	480	
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenz(a,h)anthracene	130	J
191-24-2	Benzo(g,h,i)perylene	300	JB

(1) - Cannot be separated from Diphenylamine

X202

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM97

ɔ Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2537.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.294	8700	~~NJAB~~ u
2.		UNKNOWN	10.909	310	J
3.		UNKNOWN ORGANIC ACID	11.699	1200	J
4.		UNKNOWN ORGANIC ACID	11.756	450	J
5.		UNKNOWN	12.344	340	J
6.	10544-50-0	Sulfur, mol. (S8)	12.570	4000	NJ
7.		UNKNOWN AMIDE	14.328	2400	~~JB~~ u
8.		UNKNOWN ALKANE	14.999	450	J
9.		UNKNOWN ALKANE	16.045	470	J
10.		UNKNOWN AMIDE	16.534	2400	~~JB~~ u
11.		UNKNOWN ALKANE	17.013	1600	J
12.		UNKNOWN ALKANE	17.925	1200	J
13.		UNKNOWN PAH	18.883	1200	J
14.	83-47-6	.gamma.-Sitosterol	19.135	2100	NJ
15.		UNKNOWN HYDROCARBON	19.226	3600	J
16.		UNKNOWN	19.363	2400	J
17.		UNKNOWN	19.421	1500	J
18.		UNKNOWN	19.535	1900	J
19.		UNKNOWN KETONE	19.729	1200	J
20.		UNKNOWN CYCLOALKANE	20.072	660	J
21.		UNKNOWN	20.186	830	JB
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ST 12/23/94

X203

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM98

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2489.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/14/94

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	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	42	J
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	28	J
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	49	J

X203

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM98

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2489.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/14/94

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	31	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	23	J
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	64	J
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	590	
120-12-7	Anthracene	160	J
86-74-8	Carbazole	72	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	860	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	64	J
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	470	
218-01-9	Chrysene	520	
117-81-7	bis(2-Ethylhexyl)phthalate	420 ~~56~~	JB
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	490	
207-08-9	Benzo(k)fluoranthene	280	J
50-32-8	Benzo(a)pyrene	390	J
193-39-5	Indeno(1,2,3-cd)pyrene	280	J
53-70-3	Dibenz(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	320 ~~420~~ 320	JB

(1) - Cannot be separated from Diphenylamine

CL 1-23-95

FORM I SV-2 3/90

X203

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM98

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2489.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/14/94

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.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.352	6400	~~NJAB~~ NJ
2.		-Cyclopenta[]phenanthrene	11.718	310	J
3.		UNKNOWN ORGANIC ACID	11.787	860	J
4.		UNKNOWN ORGANIC ACID	11.844	660	~~J~~ J
5.	10544-50-0	Sulfur, mol. (S8)	12.634	4000	N
6.	150-86-7	Phytol	12.886	410	NJ
7.		UNKNOWN ORGANIC ACID	13.185	380	~~J~~ J
8.		UNKNOWN AMIDE	14.416	1900	~~JB~~ JB
9.		UNKNOWN ALKANE	16.135	230	J
10.		UNKNOWN AMIDE	16.621	1500	~~JB~~ JB
11.		UNKNOWN ALKANE	17.108	800	J
12.	192-97-2	Benzo[e]pyrene	17.166	550	NJ
13.		UNKNOWN ALKANE	18.012	440	J
14.		UNKNOWN ALKANE	18.882	610	J
15.		UNKNOWN HYDROCARBON	18.951	890	J
16.	83-47-6	.gamma.-Sitosterol	19.230	2600	NJ
17.		UNKNOWN	19.299	910	J
18.		-Amyrin	19.439	1900	J
19.		UNKNOWN KETONE	19.508	1700	J
20.		UNKNOWN ALCOHOL	19.624	2100	J
21.	1058-61-3	Stigmast-4-en-3-one	19.810	1300	NJ
22.		UNKNOWN	20.168	1500	JB
23.		UNKNOWN KETONE	20.284	2100	J
24.		Naphtho[]chrysene	20.434	420	J
25.					
26.					
27.					
28.					
29.					
30.					

X204

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM99

ɔ Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2492.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	24	J
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

X204

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM99

ab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2492.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(UL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	26	J
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	300	J
120-12-7	Anthracene	90	J
86-74-8	Carbazole	24	J
84-74-2	Di-n-butylphthalate	29	J
206-44-0	Fluoranthene	520	
129-00-0	Pyrene	480	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	420 ~~54~~	JB
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	180	J
53-70-3	Dibenz(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	210	JB

4 ST 12/23/94

(1) - Cannot be separated from Diphenylamine

X204

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM99

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M2492.D

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/14/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 24

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	2.352	11000	~~NJAB~~	u
2.		UNKNOWN ALCOHOL	3.555	320	J	
3.		UNKNOWN	8.507	500	J	
4.		UNKNOWN ORGANIC ACID	11.749	800	J	
5.		UNKNOWN ORGANIC ACID	11.806	310	~~J~~	u
6.		UNKNOWN ORGANIC ACID	11.874	900	J	
7.		UNKNOWN AMIDE	11.976	480	JB	
8.		-Phenylnaphthalene	12.067	750	J	
9.		UNKNOWN	12.157	480	J	SK 12/23/94
10.		UNKNOWN	12.282	620	J	
11.		UNKNOWN	12.407	930	J	
12.		UNKNOWN	12.452	530	J	
13.		Phenanthrene, -dimethyl-	12.509	590	J	
14.	10544-50-0	Sulfur, mol. (S8)	12.634	7400	NJ	
15.		UNKNOWN AMIDE	13.304	200	~~JB~~	u
16.		UNKNOWN AMIDE	14.396	2200	~~JB~~	u
17.		UNKNOWN	14.669	300	J	
18.		UNKNOWN AMIDE	16.597	1800	~~JB~~	u
19.		UNKNOWN ALKANE	17.100	430	J	
20.	192-97-2	Benzo[e]pyrene	17.157	300	NJ	
21.		UNKNOWN ALKANE	18.875	410	J	
22.	83-48-7	Stigmasterol	18.967	340	NJ	
23.	83-47-6	.gamma.-Sitosterol	19.220	1500	NJ	
24.		UNKNOWN	19.427	390	J	
25.						
26.						
27.						
28.						
29.						
30.						

G-101

B 1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY22

b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G/02

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY23

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G103

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY24

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G-104

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY25

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G-105

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY26

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G106

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY27

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G107

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY28

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/08/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

G108

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EPY29

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) WATER Lab Sample ID: 20514-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/04/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

X101

B

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM88

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-10

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

% Moisture: 16 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	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	3.9	U
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	6.9	P
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	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

X101

B 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM88DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-10DL

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

% Moisture: 16 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	39	U
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-93-4	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

X102

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO:

EYM89

Lab Name: SWL-TULSA Contract:68-D2-0013

Lab Code: SWOK Case No: 22856 SDG:EPY22

Matrix:(soil/water) SOIL Lab Sample ID: 20514.11

Sample wt/vol: 30 g Lab File ID: _____

% Moisture: 10 decanted:(y/n)N Date Received: 11/04/94

Extn.Method:(Sepf/Cont/Sonc)SONC Date Extracted: 11/05/94

Conc. Extract Volume: 5000 uL Date Analyzed: 11/16/94

Injection Volume: 1.00 uL Dilution Factor: 1.00

GPC clean-up(Y/N) Y pH:7.8 Sulfur clean-up: (y/n) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC(Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
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	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	18.9	U
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	23	P
5103-71-9	alpha Chlordane	1.9	U
5103-74-2	gamma Chlordane	1.9	U
8001-35-2	Toxaphene	189	U
12674-11-2	Arochlor 1016	36.7	U
11104-28-2	Arochlor 1221	74.4	U
11141-16-5	Arochlor 1232	36.7	U
53469-22-9	Arochlor 1242	36.7	U
12672-29-6	Arochlor 1248	36.7	U
11097-69-1	Arochlor 1254	36.7	U
11096-82-5	Arochlor 1260	36.7	U

1572A

X102

BBBBB 1D EPA SAMPLE N

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM89DL

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-11DL

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

% Moisture: 10 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37 ~~3.9~~	~~JPD~~ U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	37	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	37 ~~28~~	~~JPD~~ U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

SK 12/23/94

X103

BB

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM90

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-12

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

% Moisture: 16 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.1	P
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	5.8	P
72-20-8	Endrin	8.9	P
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	15	P
50-29-3	4,4'-DDT	7.6	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	5.3	P
7421-93-4	Endrin aldehyde	39 ~~11~~	~~P~~ U SR 12/29/94
5103-71-9	alpha-Chlordane	3.0	
5103-74-2	gamma-Chlordane	2.1	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	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

X103

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM90DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-12DL

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

% Moisture: 16 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	7.4	DJ
72-20-8	Endrin	6.2	JPD
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	21	DJ
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-93-4	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

X104

BB

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM91

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-13

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	6.9	
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	9.7	P
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	6.0	
5103-74-2	gamma-Chlordane	6.8	P
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

X104

BB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM91DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-13DL

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	36	U
72-55-9	4,4'-DDE	36	U
72-20-8	Endrin	36	U
33213-65-9	Endosulfan II	36	U
72-54-8	4,4'-DDD	36	U
1031-07-8	Endosulfan sulfate	11	JPD
50-29-3	4,4'-DDT	36	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	36	U
7421-93-4	Endrin aldehyde	36	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	360	U
11097-69-1	Aroclor-1254	360	U
11096-82-5	Aroclor-1260	360	U

X105

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM92

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-14

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

% Moisture: 12 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
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	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

X105

BB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM92DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-14DL

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

% Moisture: 12 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37 ~~17~~	~~JPD~~ U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	37	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	80	PD
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

SF 12/23/94

X106

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM93

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-15

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

% Moisture: 11 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
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	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	9.7	P
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	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	37	U

X106

BB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM93DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-15DL

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

% Moisture: 11 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	37	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	750	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

X107

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM94

b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-16

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

% Moisture: 10 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
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	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7 ~~4.2~~ ~~P~~ 4	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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BBB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM94DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-16DL

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

% Moisture: 10 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	37	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

X108

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM95

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-17

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	5.2	P
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	11	P
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	36 ~~9.2~~	~~P~~ U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

BT 12/23/94

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BBB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM95DL

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-17DL

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	3.9	JPD
72-55-9	4,4'-DDE	36	U
72-20-8	Endrin	36	U
33213-65-9	Endosulfan II	36	U
72-54-8	4,4'-DDD	36	U
1031-07-8	Endosulfan sulfate	15	JPD
50-29-3	4,4'-DDT	36	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	36	U
7421-93-4	Endrin aldehyde	36 ~~23~~	~~JPD~~ U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	360	U
11097-69-1	Aroclor-1254	360	U
11096-82-5	Aroclor-1260	360	U

ST 12/23/94

X201

ÔB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM96

ɔ Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-18

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

% Moisture: 25 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/27/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	24	P
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

X201

BB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM96DL

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-18DL

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

% Moisture: 22 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	11	JPD
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	42	U
7421-93-4	Endrin aldehyde	49	D
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	860	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

X202

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM97

b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-19

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

% Moisture: 25 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	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	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.6	P
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	8.9	P
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

Y203

B 1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM98

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514-20

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

% Moisture: 21 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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	2.2	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	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	6.9	PBU 11/23/94
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	14	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
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

B 1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM98DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EYM98

Matrix: (soil/water) SOIL Lab Sample ID: 20514-20DL

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

% Moisture: 21 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	6.5	JPD
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	19	JPD~~B~~
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	42	U
7421-93-4	Endrin aldehyde	32	JPD
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	850	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

ST 12/28/94

X204

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM99

Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-21

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

% Moisture: 21 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 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	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	10	P
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	7.1	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
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

x204

BBB 1D EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EYM99DL

.b Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-21DL

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

% Moisture: 21 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	11	JPD
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	35	JPD
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	42	U
7421-93-4	Endrin aldehyde	40	JPD
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	850	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

X202

BB

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM97DL

Lab Name: SWL-TULSA Contract: 68-D2-0013

Lab Code: SWOK Case No.: 22856 SAS No.: SDG No.: EPY22

Matrix: (soil/water) SOIL Lab Sample ID: 20514-19DL

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

% Moisture: 25 decanted: (Y/N) N Date Received: 11/04/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	44	U
72-55-9	4,4'-DDE	44	U
72-20-8	Endrin	44	U
33213-65-9	Endosulfan II	44	U
72-54-8	4,4'-DDD	44	U
1031-07-8	Endosulfan sulfate	44	U
50-29-3	4,4'-DDT	44	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	44	U
7421-93-4	Endrin aldehyde	44	U
5103-71-9	alpha-Chlordane	23	U
5103-74-2	gamma-Chlordane	23	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor-1016	440	U
11104-28-2	Aroclor-1221	890	U
11141-16-5	Aroclor-1232	440	U
53469-21-9	Aroclor-1242	440	U
12672-29-6	Aroclor-1248	440	U
11097-69-1	Aroclor-1254	440	U
11096-82-5	Aroclor-1260	440	U

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Traffic Report and Chain of Custody

Case No.	95IE04
Case No.	22856

1 Project Code:
Account Code:
Region: II
Company: IEPA
Carrier: FED EX
Regional Information: TFA-102
Sampler (Name): PETE SORENSEN
Non-Superfund Program:
Sampler Signature: Peter Sorensen
Site Name: ROCKFORD SAND & GRAVEL
City, State: ROCKFORD, IL
Site Spill ID: 22
3 Purpose: Load: SF, PRP, ST, FED; Early Action: CLEAN, PA, REM; X SI, PSI, RI, OIL, UST; Contract Lab: TS, RD, RA, O&M, NPLD
Shipping Ticket No.: 6028800396
Shipped to: CENTRAL REGION LAB
USEPA, 10TH FLOOR
536 S. CLARK STREET
CHICAGO, IL 60605
ATTN BILL SARGENT

7 Preservative (Enter in Column D):
1 HCl
2 HNO3
3 NAHSO4
4 H2SO4
5 NaOH
6 Ice Only
7 Other (Specify in Column D)
N Not Preserved

Sample Numbers (From Labels)	A Matrix (from Box 6) Other	B Conc.: Low Med High	C Sample Type Comp / Grab	D Preservative (from Box 7) Other	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Month/Day/Year Time Sample Collection	I Sampler Initials	J Field QC Qualifier B Blank S Spike D Duplicate R Rinse PE Performance Eval - Not a QC Sample
95IE04-501	2	L	G	1	VOA	5003433/5003432	G201	11/3/94/1340	PS	–
95IE04-501	2	L	G	6	BNA	5003434	G201	11/3/94/1340	PS	–
95IE04-501	2	L	G	6	PEST/PCB	5003435	G201	11/3/94/1340	PS	–
95IE04-501	2	L	G	2	TOTAL METAL	5003436	G24	11/3/94/1340	PS	–
95IE04-501	2	L	G	5	CYANIDE	5003437	G201	11/3/94/1340	PS	–
~~95IE04-501~~	~~2~~	~~L~~	~~G~~	CHROMIC ACID	~~MERCURY~~		G24			–
95IE04-502	2	L	G	1	VOA	5003438/5003439	FIELD BLANK	11/3/94/1340	PS	B
95IE04-502	2	L	G	6	BNA	5003440	FIELD BLANK	11/3/94/1340	PS	B
95IE04-502	2	L	G	6	PEST/PCB	5003441	FIELD BLANK	11/3/94/1340	PS	B
95IE04-502	2	L	G	2	TOTAL METALS	5003442	FIELD BLANK	11/3/94/1340	PS	B

KH 11/3/94

Shipment for SAS Complete? (Y/N) Y
Page 2 of 2
Sample(s) to be Used for Calibration: 95IE04-D01
Additional Sampler Signature(s):
Chain of Custody Seal Number(s):

CHAIN OF CUSTODY RECORD

Relinquished by (Signature)	Date/Time	Received by (Signature)	Relinquished by (Signature)	Date/Time	Received by (Signature)
Peter Sorensen					
Relinquished by (Signature)	Date/Time	Received by (Signature)			by (Signature)
Relinquished by (Signature)	Date/Time	Received for Laboratory by (Signature)	Date/Time	Remarks	

DISTRIBUTION White – Region Copy
Gold – Lab Copy for Return to Region
Yellow – Data User
Pink – Lab Copy to Return to Data User

EPA Form 2070-13 (Rev. 3-89) STANDARD REPRODUCTIONS

A21-0112-7 REV 3/94

50708

EPA United States Environmental Protection Agency Contract Laboratory Program

Special Analytical Services Traffic Report/Chain of Custody

SAS No. 95 IE 04

Case No. 228-6

1 Project Code | Account Code

Regional Information: TF4-102

Non-Superfund Program

Site Name: ROCKFORD SAND + GRAVEL

City, State: ROCKFORD, IL

Site Spill ID: ZZ

2 Purpose: Load: SF, PRP, ST, FED; Early Action: CLEAN, PA, REM; SI, ESI, RI, OU, UST; RA, O&M, NPLD

Sampler (Name): PETE SORENSEN

Sampler Signature: Pete Sorensen

Date: 11/3/94 | Carrier: FED EX

Airbill No.: 6028800394

Lab: CENTRAL REGION LAB, USEPA, 10TH FLOOR, 536 S. CLARK STREET, CHICAGO, IL 60605, ATTN: BILL SARGENT

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

7 Preservative (Enter in Column D): 1 HCl, 2 HNO3, 3 NAHSO4, 4 H2SO4, 5 NAOH, 6 Ice Only, 7 Other (Specify in Column D), N Not Preserved

Sample Numbers (From Labels)	A Matrix (from Box 6)	B Conc. Low Med High	C Sample Type Comp / Grab	D Preservative (from Box 7)	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier (B Blank, S Spike, D Duplicate, R Rinsate, PE Performance Eval, N Not a QC Sample)
95IE04-D01	2	L	G	1	VOA	5003444, 5003445, 5003446, 5003447, 5003448, 5003449	G202	11/3/94 1340	PS	D
95IE04-D01	2	L	G	2	TOTAL METALS	5003452/5003453/5003454	G202	11/3/94 1340	PS	D
95IE04-D01	2	L	G	5	CYANIDE	5003456/5003458/5003457	G202	11/3/94 1340	PS	D
~~95IE04-D01~~	~~2~~	~~L~~	~~G~~	CHROMIC ACID	~~MERCURY~~		~~G202~~			~~D~~
95IE04-R01	2	L	G	6	VOA	5003450/5003451	TRIP BLANK	11/3/94 1340	—	TB

Shipment for SAS Complete? (Y/N): Y | Page 1 of 1 | Sample(s) to be Used for Laboratory QC: 95IE04-D01 | Additional Sampler Signatures | Chain of Custody Seal Number(s): 157978/157979

CHAIN OF CUSTODY RECORD

Relinquished by (Signature)	Date/Time	Received by (Signature)	Relinquished by (Signature)	Date/Time	Received by (Signature)
Pete Sorensen	11/3/94 1615				
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	

A21-012-7 REV 3/94

DISTRIBUTION: White – Region Copy; Gold – Lab Copy for Return to Region; Yellow – Data User*; Pink – Lab Copy for Return to Data User

EPA Form 9110-3 | SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS AND DEFINITIONS OF CODE DEFINITIONS

*Data User means the organization that receives the laboratory data

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3 pass for each

EPA

United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services
Packing List/Chain of Custody

SAS No: 95 IE 04

Case No: 22856

1 Project Code:
Account Code:
2 Project Code: V
Sampler (Name): IEPA
Regional Information: TFA -102
Sampler (Name): PETE SORENSEN
Non-Superfund Program
Sampler Signature: Pete Sorensen
Site Name: ROCKFORD SAND & GRAVEL
City, State: ROCKFORD, IL
Site Spill ID: ZZ
3 Purpose: Lead [ ] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM; [X] SI [ ] ESI [ ] HI [ ] OII [ ] UST; [ ] S [ ] D [ ] IA [ ] O&M [ ] NPLD

Date Shipped: 11/3/94
Carrier Name: FED EX
Airbill No: 6028800396
Shipped to: CENTRAL REGION LAB
USEPA, 10TH FLOOR
536 S. CLARK STREET
CHICAGO, IL 60605
ATTN BILL SARGENT

Sample Type: 1 Surface Water; 2 Ground Water; 3 Leachate; 4 Sediment; 5 Soil/Sediment; 6 Oil; 7 Water; 8 Other (Specify in Column A)

7 Preservative (Enter in Column D): 1 HCl; 2 HNO3; 3 NAHSO4; 1 H2SO4; 5 NAOH; 6 Ice Only; 7 Other (Specify in Column D); N Not Preserved

Sample Numbers (From Labels)	A Matrix (from Box 6) Other	B Conc.: Low Med High	C Sample Type Comp / Grab	D Preservative (from Box 7) Other	E Analysis	I Regional Specific Tracking Number or Tag Number(s)	G Station Location Identifier	H Mo Day/ Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier B Blank S Spike D Duplicate R Rinsate PE Performance Eval Not a QC Sample
95IE04-D01	2	L	G	6	BNA	5003458/5003459/5003460	G202	11/3/94 1340	PS	D
95IE04-D01	2	L	G	6	PEST/PCB	5003461/5003462/5003463	G202	11/3/94 1340	PS	D

Shipment for SAS Complete? (Y/N): Y
Page 1 of 1
Sample(s) to be Used for Laboratory QC: 95IE04-D01
Additional Comments or Signatures:
Chain of Custody Seal Number(s): 157980/157981

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date/Time	Received by (Signature)	Relinquished by (Signature)	Date/Time	Received by (Signature)
Pete Sorensen	11/3/94 1615				
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	

DISTRIBUTION: White – Region Copy; Gold – Lab Copy for Return to Region; Yellow – Data User**; Pink – Lab Copy for Retention by Data User

Special Instructions/Instructions

A20-012-? REV 3/94

**Data User means the organization [illegible]

507 10

EPA United States Environmental Protection Agency
Contract Laboratory Program

Special Analytical Services Packing List/Chain of Custody

SAS No. 95IE04

Case No. 22856

1 Project Code:
Account Code:
2 Region No.: V
Site Prefix: IEPA
Date: 11/3/94
Carrier: FED EX
Regional Information: TFA-102
Sampler (Name): PETE SORENSEN
Airbill Number: 6028800394
Non-Superfund Program
Sampler Signature: Peter Sorensen
5 Ship To: CENTRAL REGION LAB
USEPA, 10TH FLOOR
536 S. CLARK STREET
CHICAGO, IL 60605
ATTN BILL SARGENT
Site Name: ROCKFORD SAND & GRAVEL
City, State: ROCKFORD, IL
Site Spill ID: 22
3. Purpose*: Load: SF, PRP, ST, FED; Early Action: CLFM, PA, REM; Long Term Action: SI, ESI, RI, OIL, UST; FS, RD, RA, O&M, NPLD

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

7 Preservative (Enter in Column D): 1 HCl, 2 HNO3, 3 NAHSO4, 4 H2SO4, 5 NAOH, 6 Ice Only, 7 Other (Specify in Column D), N Not Preserved

Sample Numbers (From Labels)	A Matrix (from Box 6) Other	B Conc.: Low Med High	C Sample Type Comp / Grab	D Preservative (from Box 7) Other	E Analysis	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Field QC Qualifier B Blank S Spike D Duplicate R=Rinsate PE=Performance Eval -=Not a QC Sample
95IE04-S01	2	L	G	5	CYANIDE	5003443	FIELD BLANK	11/3/94 1340	PS	B
~~95IE04-S02~~	~~2~~	~~L~~	~~G~~	~~NITRIC ACID~~	~~MERCURY~~		~~FIELD BLANK~~			B

Shipment for SAS Complete? (Y) N
Page 1 of 2
Sample(s) to be Used for Laboratory QC: 95IE04-D01
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 157976/157977

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date/Time	Received by (Signature)	Relinquished by (Signature)	Date/Time	Received by (Signature)
Peter Sorensen	11/3/94 1615				
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	

A21-012-7 REV. 3/94

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50709

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

RECEIVED

DEC 0 5 1994

Date: NOV 3 0 1994

Subject: Review of Region 5 Data for Rockford Sand and Gravel Code:ZZ

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To:

Attached are the results for Rockford Sand and Gravel Code:ZZ
CRL request number 950032
for analyses for ICP
Results are reported for sample designations: 95IE04S01, 95IE04D01 and 95IE04R02

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

(x) Sewer Disposal Criteria Met; Exceptions: Acid preserved samples must be neutralized prior to disposal.

Comments on Data Quality by Reviewer

Copper was found in the field blank, 95IE04R02, at 7 μg/L. An analysis of the undigested field blank was less than detection (<6 μg/L), so this result may be laboratory contamination. IT is possible that the results of 95IE04S01 and 95IE04D01 are affected by this. Reanalyses were performed for the analysis of aluminum, beryllium, copper and nickel due to instrument drift. Results for each analyte are bracketed by a complete set of valid quality control audits. A blind performance sample was analyzed alongside these samples and all results were within the acceptance window.

Comments by Laboratory Director or Quality Control Coordinator

G202

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 21-NOV-94

SAMPLE ORGANIZATION: IEPA
SAMPLE REQUESTOR: IEPA
LABORATORY: ESAT

SAMPLE BATCH ID: 950032
ACCOUNT NO: TFA301
FACILITY: ROCKFOR SAND & GRAVEL

SAMPLE: 95IE04D01 FIELD: 95IE04D01

COLLECTED: 03-NOV-94 RECEIVED: 04-NOV-94 ANALYZED: 14-NOV-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)	BDL	7429-90-5
Barium	74	(ug/L)		7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	101000	(ug/L)		7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	14	(ug/L)		7440-50-8
Iron	133	(ug/L)		7439-89-6
Magnesium	44000	(ug/L)		7439-95-4
Manganese	6	(ug/L)		7439-96-5
Nickel	20U	(ug/L)	BDL	7440-02-0
Potassium	5000U	(ug/L)	BDL	7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	48000	(ug/L)		7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	40U	(ug/L)	BDL	7440-66-6

ANALYZED BY: Patricia M. McCartell 11/21/94

JVM 30 Nov 94

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 21-NOV-94

IPLE ORGANIZATION: IEPA
SAMPLE REQUESTOR: IEPA
LABORATORY: ESAT

SAMPLE BATCH ID: 950032
ACCOUNT NO: TFA301
FACILITY: ROCKFORD SAND & GRAVEL

SAMPLE: 95IE04R02 FIELD: 95IE04R02

COLLECTED: 03-NOV-94 RECEIVED: 04-NOV-94 ANALYZED: 14-NOV-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)	BDL	7429-90-5
Barium	6U	(ug/L)	BDL	7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	500U	(ug/L)	BDL	7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	7	(ug/L)		7440-50-8
Iron	80U	(ug/L)	BDL	7439-89-6
Magnesium	100U	(ug/L)	BDL	7439-95-4
Manganese	5U	(ug/L)	BDL	7439-96-5
Nickel	20U	(ug/L)	BDL	7440-02-0
Potassium	5000U	(ug/L)	BDL	7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	1000U	(ug/L)	BDL	7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	40U	(ug/L)	BDL	7440-66-6

ANALYZED BY: Patricia M. McCartney 11/21/94 Jo Norby

G201

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 21-NOV-94

SAMPLE ORGANIZATION: IEPA
SAMPLE REQUESTOR: IEPA
LABORATORY: ESAT

SAMPLE BATCH ID: 950032
ACCOUNT NO: TFA301
FACILITY: ROCKFORD SAND & GRAVEL

SAMPLE: 95IE04S01 FIELD: 95IE04S01

COLLECTED: 03-NOV-94 RECEIVED: 04-NOV-94 ANALYZED: 14-NOV-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)	BDL	7429-90-5
Barium	73	(ug/L)		7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	101000	(ug/L)		7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	10	(ug/L)		7440-50-8
Iron	101	(ug/L)		7439-89-6
Magnesium	44000	(ug/L)		7439-95-4
Manganese	6	(ug/L)		7439-96-5
Nickel	33	(ug/L)		7440-02-0
Potassium	5000U	(ug/L)	BDL	7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	48000	(ug/L)		7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	40U	(ug/L)	BDL	7440-66-6

ANALYZED BY: Patricia M. McCartney 11/21/94 JVM 30Nov94

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

RECEIVED

DEC 0 5 1994

Date: NOV 3 0 1994

Subject: Review of Region 5 Data for Rockford Sand and Gravel Code:ZZ

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To:

Attached are the results for Rockford Sand and Gravel Code:ZZ
CRL request number 950032
for analyses for Antimony, Arsenic, Cadmium, Lead, Selenium and Thallium
Results are reported for sample designations: 95IE04S01, 95IE04D01 and 95IE04R02

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

(x) Sewer Disposal Criteria Met; Exceptions: Acid preserved samples must be neutralized prior to disposal.

Comments on Data Quality by Reviewer

All quality control audits were in control. A blind performance sample run with the samples was within the acceptance windows for all analytes.

Comments by Laboratory Director or Quality Control Coordinator

G201

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 10-NOV-94

Sample organization: **IEPA**
Sample Requestor: **IEPA**
Facility: **ROCKFORD SAND & GRAVEL**
Matrix: **DRINKING**
Date Collected: **03-NOV-94**

Sample Batch ID: **950032**
Account No: **TFA301**
Sample ID: **95IE04801**
Units: **ug/L**
Date Received: **04-NOV-94**

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	07-NOV-94	B. Lyn	
Arsenic Concentration	2 U	08-NOV-94	L. Leonova	
Cadmium Concentration	0.2U	07-NOV-94	L. Leonova	
Lead Concentration	2U	08-NOV-94	B. Lyn	
Selenium Concentration	2U	08-NOV-94	B. Lyn	
Thallium Concentration	2U	08-NOV-94	B. Lyn	

Team Leader: JVM 30 Nov 94

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 10-NOV-94

Sample organization: **IEPA**
Sample Requestor: **IEPA**
Facility: **ROCKFORD SAND & GRAVEL**
Matrix: **DRINKING**
Date Collected: **03-NOV-94**

Sample Batch ID: **950032**
Account No: **TFA301**
Sample ID: **95IE04R02**
Units: **ug/L**
Date Received: **04-NOV-94**

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	07-NOV-94	B. Yun	
Arsenic Concentration	2 U	08-NOV-94	L. Teonova	
Cadmium Concentration	0.2U	07-NOV-94	L. Teonova	
Lead Concentration	2U	08-NOV-94	B. Yun	
Selenium Concentration	2U	08-NOV-94	B. Yun	
Thallium Concentration	2U	08-NOV-94	B. Yun	

Team Leader: JVM 30 Nov 94

G202

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 10-NOV-94

Sample organization: **IEPA**
Sample Requestor: **IEPA**
Facility: **ROCKFORD SAND & GRAVEL**
Matrix: **DRINKING**
Date Collected: **03-NOV-94**

Sample Batch ID: **950032**
Account No: **TFA301**
Sample ID: **95IE04D01**
Units: **ug/L**
Date Received: **04-NOV-94**

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	07-NOV-94	B Yu	
Arsenic Concentration	2 U	08-NOV-94	L. Leonova	
Cadmium Concentration	0.2U	07-NOV-94	L. Leonova	
Lead Concentration	2U	08-NOV-94	B. Yu	
Selenium Concentration	2U	08-NOV-94	B Yu	
Thallium Concentration	2U	08-NOV-94	B Yu	

Team Leader: JVM 30 Nov 94

pmt#0621

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 14-NOV-94

Sample organization: **SUPERFUND**
Sample Requestor: **SUPERFUND**
Facility: **INORGANIC PE AMPULES**
Matrix: **WATER**
Date Collected: **01-NOV-94**

Sample Batch ID: **950027**
Account No: **TFA301**
Sample ID: **95OI03S01**
Units: **ug/L**
Date Received: **01-NOV-94**

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	07-NOV-94	B. Yu	
Arsenic Concentration	21.8	08-NOV-94	L. Teixeira	
Lead Concentration	103	08-NOV-94	B. Yu	
Selenium Concentration	65	08-NOV-94	B. Yu	
Thallium Concentration	76	08-NOV-94	B. Yu	

Team Leader: JVM 30 Nov 94

pmt#0621

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: DEC 28 1994

Subject: Review of Region 5 Data for ROCKFORD SAND & GRAVEL

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To: IEPA

Attached are the results for ROCKFORD SAND & GRAVEL
CRL request number 950032
for analyses for Mercury and Cyanide.
Results are reported for sample designations: 95IE04S01, 95IE04D01, and 95IE04R02.

Results Status:

(X) Acceptable for Use: Mercury and Cyanide
( ) Data Qualified, but Acceptable for use:
( ) Data Unacceptable for Use:

( ) Sewer Disposal Criteria Met;

The portion of samples 95IE04S01, 95IE04D01, and 95IE04R02 which were collected and preserved for mercury analyses should be disposed of in a drum. The acid/dichromate preservative used is toxic.

The portion of samples 95IE04S01, 95IE04D01, and 95IE04R02 which were collected and analyzed for Cyanide are preserved with sodium hydroxide. All the samples should be neutralized prior to disposal down the drain. The concentrations of Cyanide in the samples are less than detection.

Comments on Data Quality by Reviewer:

All the Cyanide results are acceptable for use. No separate sample bottles were sent to the

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DEC 30 1994
IEPA/DLPC

laboratory for mercury analyses. Therefore, an aliquot of each sample was preserved by adding nitric acid/potassium dichromate in accordance with the procedure and analyzed for mercury. The mercury results are acceptable for use.

Comments by Laboratory Director or Quality Control Coordinator:

Francis A. Awanya 12/21/94

Team Leader and Date (X) Reviewed ( ) Unreviewed

Chuck Ellis 12/21/94

Section Chief and Date (X) Reviewed ( ) Unreviewed

Chuck Ellis 12/21/94

QC Coordinator and Date (X) Reviewed ( ) Unreviewed

Sylvia Griffin DEC 28 1994

Data Management Coordinator and Date Received

Date Transmitted DEC 28 1994

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
SL - 10C

Robert Cooper 1-3-95

Received by and Date

Comments:

G202

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 25-NOV-94 J. Rodlin 11/25/94

Sample Organization: IEPA
Sample Requestor: IEPA
Laboratory: ESAT

Sample Batch ID: 950032
Account NO: TFA301
Facility: ROCKFORD SAND & GRAVEL

Sample: 95IE04D01

Field: 95IE04D01

Collected: 03-NOV-94 /

Received: 04-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Cyanide	5	(ug/L)	U	07-NOV-94	J. Rodlin
Mercury	0.1	(ug/L)	U	22-NOV-94	J. Rodlin

Reviewed by : Francis A. Arvanya 12/16/94

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 25-NOV-94 J. Rodlin 11/25/94

Sample Organization: IEPA
Sample Requestor: IEPA
Laboratory: ESAT

Sample Batch ID: 950032
Account NO: TFA301
Facility: ROCKFORD SAND & GRAVEL

Sample: 95IE04R02

Field: 95IE04R02

Collected: 03-NOV-94 /

Received: 04-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Cyanide	5	(ug/L)	U	07-NOV-94	J. Rodlin
Mercury	0.1	(ug/L)	U	22-NOV-94	J. Rodlin

Reviewed by : Francis A. Awanya 12/16/94

G201

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 25-NOV-94 J. Rodlin 11/25/94

Sample Organization: IEPA
Sample Requestor: IEPA
Laboratory: ESAT

Sample Batch ID: 950032
Account NO: TFA301
Facility: ROCKFORD SAND & GRAVEL

Sample: 95IE04S01

Field: 95IE04S01

Collected: 03-NOV-94 /

Received: 04-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Cyanide	5	(ug/L)	U	07-NOV-94	J. Rodlin
Mercury	0.1	(ug/L)	U	22-NOV-94	J. Rodlin

Reviewed by : Francis A. Awanya 12/16/94

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: NOV 2 3 1994

Subject: Review of Region 5 Data for **ROCKFORD SAND AND GRAVEL**

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To: IEPA

Attached are the results for: **ROCKFORD SAND AND GRAVEL**
CRL request number: **SF950032**
Analyzed for: **VOA (Organics)**
Results are reported for sample designations: 95IE04S01, D01, R02 AND R01
(4 SAMPLES)

NOV 28 1994
IEPA/DLPC

Results Status:
(X) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

(X) Sewer Disposal Criteria Met; Exceptions: none
Comments on Data Quality by Reviewer:

- The samples were analyzed according to the 624VOA SOP with midifications from OLC01 10/92SOW. Samples were analyzed within their holding time and the quality controls were acceptable.
- No problems were observed.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for **ROCKFORD SAND AND GRAVEL SF950032 VOA**

11/23/94

Team Leader and Task Monitor Date (X) Reviewed ( ) Unreviewed

11/23/94

Section Chief and Date ( ) Reviewed (✓) Unreviewed

11/23/94

QC Coordinator and Date (X) Reviewed ( ) Unreviewed

NOV 2 3 1994

Data Management Coordinator and Date Received

Date Transmitted NOV 2 3 1994

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
SL - 10C

12-2-94

Received by and Date

Comments:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB BLANK

Site Name: ROCKFORD SAND AND GRAVEL Contract:LOCKHEED/ESAT

Lab Code: 5SCRL Case No.: 950032 SAS No.: ------ SDG No.: ------

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

Sample wt/vol: 25 (g/mL) ML Lab File ID: >B0547

Level: (low/med) LOW Date Received: 11/02/94

% Moisture: not dec.---- Date Analyzed: 11/07/94

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
67-64-1	Acetone	3.	U
75-15-0	Carbon disulfide	1.	U
75-09-2	Methylene chloride	1.	U
156-60-5	trans-1,2-Dichloroethene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
156-59-2	cis-1,2-Dichloroethene	1.	U
78-93-3	2-Butanone	3.	U
74-97-5	Bromochloromethane	1.	U
67-66-3	Chloroform	1.	U
71-55-6	1,1,1-trichloroethane	1.	U
56-23-5	Carbon tetrachloride	1.	U
71-43-2	Benzene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-dichloropropene	1.	U
108-88-3	Toluene	1.	U
108-10-1	4-Methyl-2-pentanone	3.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
127-18-4	Tetrachloroethene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
591-78-6	2-Hexanone	3.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
108-90-7	Chlorobenzene	1.	U
100-41-4	Ethylbenzene	1.	U
1083836423	m &/or p-Xylene	1.	U
95-47-6	o-Xylene	1.	U
100-42-5	Styrene	1.	U
75-25-2	Bromoform	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U

Are there any TICs ? (Please check a box) YES |__| NO |_X_|

1A-2

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB BLANK

Site Name: ROCKFORD SAND AND GRAVEL Contract:LOCKHEED/ESAT

Lab Code: 5SCRL Case No.: 950032 SAS No.: ------ SDG No.: ------

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

Sample wt/vol: 25 (g/mL) ML Lab File ID: >B0547

Level: (low/med) LOW Date Received: 11/02/94

% Moisture: not dec.---- Date Analyzed: 11/07/94

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
541-73-1	1,3-Dichlorobenzene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank.

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:VOA

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A624SAS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04R01
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:07-NOV-94

Date Received:04-NOV-94
Date Analyzed:07-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: [illegible]

Team Leader: [illegible]

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter: VOA

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix: DRINKING
Method: A624SAS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04R02
Units: ug/L

Date Collected: 03-NOV-94
Date Extracted: 07-NOV-94

Date Received: 04-NOV-94
Date Analyzed: 07-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	4	
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: A. Buglitta

Team Leader: [illegible]

G201

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:VOA

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A624SAS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04S01
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:07-NOV-94

Date Received:04-NOV-94
Date Analyzed:07-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: A. Guglietta

Team Leader: [illegible]

G-202

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:VOA

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A624SAS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04D01
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:07-NOV-94

Date Received:04-NOV-94
Date Analyzed:07-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: [signature]

Team Leader: [signature]

to WPC # 15

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: DEC 0 5 1994

Subject: Review of Region 5 Data for **ROCKFORD SAND AND GRAVEL (950032)**

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To: IEPA

Attached are the results for: **Rockford Sand and Gravel (TFA301)**
CRL request number: **950032**
Analyzed for: **ABNs** Organics
Results are reported for sample designations: Three water samples (95IE04S01, -D01 & -R02)

Results Status:

(X) Acceptable for Use.
( ) Data Qualified, but Acceptable for use.
( ) Data Unacceptable for Use.
(X) Sewer Disposal Criteria Met; Exceptions: None.
Comments on Data Quality by Reviewer:

- No data quality or QA/QC problems were observed.

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK
MB110894

Lab Name: ROCKFORD SAND AND GRAVEL Contract: LOCKHEED/ESAT

Lab Code: SLO/10C Case No.: 950032 SAS No.: SDG No.: TFA301

11-30-94

Matrix: (soil/water) WATER Lab Sample ID: MB110894

Sample wt/vol: 1000 (g/ml) mL Lab File ID: >F0141

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. ---- dec. ---- Date Extracted: 11/08/94

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 11/20/94

GPC Cleanup: (Y/N) N pH: NA Dilution Factor: 1.0

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

TENTATIVELY IDENTIFIED COMPOUNDS (TICs): YES [ ] NO [X]

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK
MB110894

La Name: ROCKFORD SAND AND GRAVEL Contract: LOCKHEED/ESAT

Lab Code: SLO/10C Case No.: 950032 SAS No.: SDG No.: TFA301

Matrix: (soil/water) WATER Lab Sample ID: MB110894

Sample wt/vol: 1000 (g/ml) mL Lab File ID: >F0141

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. ---- dec. ---- Date Extracted: 11/08/94

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 11/20/94

GPC Cleanup: (Y/N) N pH: NA Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

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Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank.

G 201

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04S
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	bis(2-Chloroisopropyl)ether	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
606-20-2	2,6-Dinitrotoluene	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U

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G 201

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04S01
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

NO TICS.

Analyzed by: [signature]

Team Leader: [signature]

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G202

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04D01
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	bis(2-Chloroisopropyl)ether	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
606-20-2	2,6-Dinitrotoluene	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U

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EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04D
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

No TICs.

Analyzed by:

Team Leader:

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EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04R02
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	bis(2-Chloroisopropyl)ether	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
606-20-2	2,6-Dinitrotoluene	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U

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Compliance Assurance Section
DEC 09 1994
Environmental Protection Agency
STATE OF ILLINOIS

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:ABN

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix:DRINKING
Method:A625SWLCS.0

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04R(
Units: ug/L

Date Collected:03-NOV-94
Date Extracted:08-NOV-94

Date Received:04-NOV-94
Date Analyzed:20-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

NO TICS.

Analyzed by: [signature]

Team Leader: [signature]

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DEC 09 1994
Environmental Protection Agency
STATE OF ILLINOIS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: NOV 2 2 1994

Subject: Review of Region 5 Data for SF 950032 ROCKFORD SAND & GRAVEL

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To: IEPA

RECEIVED
NOV 28 1994
IEPA/DLPC

Attached are the results for SF 950032 ROCKFORD SAND & GRAVEL
CRL request number D950032
for analyses for PCB/PESTICIDES
Results are reported for sample designations: 95IE04S01, 95IE04D01, 95IE04R02

Results Status:
(X) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

( ) Sewer Disposal Criteria Met; Exceptions: none

Comments on Data Quality by Reviewer

Instrument performance audits were generally acceptable. MS/MSD were not required for this data set. The method blank and instrument blank did not contain target analytes above CRL detection limits. The LCS/LCS duplicate and PE sample data were acceptable. TCMX and DCB recoveries in all the samples & QC samples were within QC limits (50 - 150%), ranging from 72 - 124%. There were no analytes of interest detected in the samples.

Data are acceptable for use.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for SF 950032 ROCKFORD SAND & GRAVEL

Erlinda Evangelista — Erlinda Evangelista 11/22/94

Team Leader and Date — (X) Reviewed ( ) Unreviewed

Chi M. Tang — for: C Tang / E Evangelista 11/22/94

Section Chief and Date — ( ) Reviewed ( ) Unreviewed

Chuck Ellis 11/22/94

QC Coordinator and Date — (X) Reviewed ( ) Unreviewed

NOV 2 2 1994

Sylvia Griffin

Data Management Coordinator and Date Received

Date Transmitted

NOV 2 2 1994

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
SL - 10C

Robert L. Cooper 12-2-94

Received by and Date

Comments:

G202

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter: PEST/PCB

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix: DRINKING
RLIMS Method: 608W_P/P_DNS

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04D01
Units: ug/L

Date Collected: 03-NOV-94
Date Extracted: 11-NOV-94

Date Received: 04-NOV-94
Date Analyzed: 11-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
319846	Alpha-BHC	.01	U
58899	Lindane	.01	U
76448	Heptachlor	.01	U
309002	Aldrin	.01	U
1024573	Heptachlor Epoxide	.01	U
959988	Endosulfan I	.01	U
60571	Dieldrin	.02	U
72208	Endrin	.02	U
3312659	Endosulfan II	.02	U
50293	p,p'-DDT	.02	U
72-43-5	Methoxychlor	.1	U
319857	Beta-BHC	.01	U
419868	Delta-BHC	.01	U
5103-74-2	Gamma-Chlordane	.01	U
5103-71-9	Alpha-Chlordane	.01	U
72559	p,p'-DDE	.02	U
72548	p,p'-DDD	.02	U
7421934	Endrin Aldehyde	.02	U
1031078	Endosulfan Sulfate	.02	U
53494-70-5	Endrin Ketone	.02	U
57-74-9	Chlordane, Technical	.2	U
8001352	Toxaphene	1	U
1104-28-2	Aroclor 1221	.2	U
11141165	Aroclor 1232	.2	U
53469219	Aroclor 1242	.2	U
12674-11-2	Aroclor 1016	.2	U
12672296	Aroclor 1248	.2	U
11097691	Aroclor 1254	.2	U
11096825	Aroclor 1260	.2	U

Analyzed by: [illegible] / Stephanie Tobin

Team Leader: [illegible]

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter: PEST/PCB

Sample organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix: DRINKING
RLIMS Method: 608W_P/P_DNS

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04R02
Units: ug/L

Date Collected: 03-NOV-94
Date Extracted: 11-NOV-94

Date Received: 04-NOV-94
Date Analyzed: 11-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
319846	Alpha-BHC	.01	U
58899	Lindane	.01	U
76448	Heptachlor	.01	U
309002	Aldrin	.01	U
1024573	Heptachlor Epoxide	.01	U
959988	Endosulfan I	.01	U
60571	Dieldrin	.02	U
72208	Endrin	.02	U
3312659	Endosulfan II	.02	U
50293	p,p'-DDT	.02	U
72-43-5	Methoxychlor	.1	U
319857	Beta-BHC	.01	U
419868	Delta-BHC	.01	U
5103-74-2	Gamma-Chlordane	.01	U
5103-71-9	Alpha-Chlordane	.01	U
72559	p,p'-DDE	.02	U
72548	p,p'-DDD	.02	U
7421934	Endrin Aldehyde	.02	U
1031078	Endosulfan Sulfate	.02	U
53494-70-5	Endrin Ketone	.02	U
57-74-9	Chlordane, Technical	.2	U
8001352	Toxaphene	1	U
1104-28-2	Aroclor 1221	.2	U
11141165	Aroclor 1232	.2	U
53469219	Aroclor 1242	.2	U
12674-11-2	Aroclor 1016	.2	U
12672296	Aroclor 1248	.2	U
11097691	Aroclor 1254	.2	U
11096825	Aroclor 1260	.2	U

Analyzed by: [illegible] / Stephanie N Tobin
Team Leader: [illegible]

G 201

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter: PEST/PCB

ple organization: IEPA
Sample Requestor: IEPA
Facility: ROCKFORD SAND & GRAVEL
Matrix: DRINKING
RLIMS Method: 608W_P/P_DNS

Sample Batch ID: 950032
Account No: TFA301
Sample ID: 95IE04S01
Units: ug/L

Date Collected: 03-NOV-94
Date Extracted: 11-NOV-94

Date Received: 04-NOV-94
Date Analyzed: 11-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
319846	Alpha-BHC	.01	U
58899	Lindane	.01	U
76448	Heptachlor	.01	U
309002	Aldrin	.01	U
1024573	Heptachlor Epoxide	.01	U
959988	Endosulfan I	.01	U
60571	Dieldrin	.02	U
72208	Endrin	.02	U
3312659	Endosulfan II	.02	U
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5103-71-9	Alpha-Chlordane	.01	U
72559	p,p'-DDE	.02	U
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12674-11-2	Aroclor 1016	.2	U
12672296	Aroclor 1248	.2	U
11097691	Aroclor 1254	.2	U
11096825	Aroclor 1260	.2	U

Analyzed by: Stephanie Tobin

Team Leader:

TFA301

95D03

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

DIVISION/BRANCH Superfund SAMPLE DATE 11/3/94 LAB ARRIVAL DATE 11/4/94 DUE DATE 11/25/94

DU NUMBER TFA DATA SET NUMBER 950032 STUDY Rockford Sand & Gravel PRIORITY _____ CONTRACTOR IEPA

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
95IE04-S01	G201 5-003435		X	X		
95IE04-R01	FieldBlank 5-003441		X	X		
95IE04-D01	G202 5-003460-63		X	X		

Christine Milne
11-21-94