L0971900043 Lake Co.
Diamond Scrap Yard
IL0 001093500
SF/HRS

CERCLA
Integrated Site Assessment Analytical Results

EPA Region 5 Records Ctr.
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Illinois Environmental Protection Agency

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APPENDIX I

TARGET COMPOUND LIST

ANALYTICAL RESULTS

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SOIL SUMMARY

SAMPLING POINT	X101 soil background	X102	X103	X104	X105	X106	X107	X108	X109	X110
PARAMETER										
VOLATILES UG\KG (PPB)										
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	44.0	27.0	15.0	21.0	35.0	24.0 J	--	96.0	82.0	92.0
Acetone	--	--	--	--	--	25.0 J	--	--	--	45.0
Carbon Disulfide	--	--	--	--	--	3.0 J	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	6.0 J	--	--	--	--
2-Butanone (MEK)	--	--	--	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	17.0 J	--	--	--	--
Toluene	--	3.0 J	--	--	5.0 J	5.0 J	--	--	--	5.0 J
Ethylbenzene	--	--	--	--	--	--	--	--	--	--
Xylene(total)	--	--	--	--	--	21.0 J	--	--	--	--
SEMIVOLATILES UG\KG (PPB)										
Naphthalene	--	--	--	98.0 J	79.0 J	510.0 J	130.0 J	--	380.0	--
2-Methylnaphthalene	--	--	--	84.0 J	190.0 J	550.0 J	280.0 J	--	440.0	5800.0 J
Dimethylphthalate	--	--	--	--	--	--	140.0 J	--	--	--
Acenaphthylene	84.0 J	--	--	140.0 J	--	--	--	--	240.0 J	--
Acenaphthene	--	--	--	--	--	440.0 J	--	110.0 J	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	180.0 J	--
Diethylphthalate	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	710.0 J	--	93.0 J	210.0 J	--
Phenanthrene	960.0	2900.0	140.0 J	260.0 J	950.0 J	2100.0	480.0	1100.0	6600.0 E	--
Anthracene	230.0 J	860.0 J	--	130.0 J	83.0 J	630.0 J	160.0 J	250.0 J		--
Carbazole	85.0 J	290.0 J	--	--	--	440.0 J	--	150.0 J	780.0	--
Di-n-Butylphthalate	--	--	73.0 J	130.0 J	500.0	--	520.0	110.0 J	1300.0	--
Fluoranthene	1800.0	5500.0	240.0 J	970.0	590.0	2500.0	520.0	1900.0	5300.0 E	1500.0 J
Pyrene	1900.0	4700.0	190.0 J	510.0	560.0	3100.0	1100.0	920.0	6800.0 E	2200.0 J
Butylbenzylphthalate	--	--	140.0 J	940.0	9400.0 E	920.0 J	2400.0	300.0	950.0	3500.0 J
Benzo(a)anthracene	1300.0	2900.0	110.0 J	500.0	250.0 J	1200.0 J	770.0	670.0	2400.0	--
Chrysene	1500.0	2200.0	150.0 J	600.0	340.0 J	1500.0 J	400.0 J	810.0	1100.0	--
bis(2-Ethylhexyl)phthalate	--	--	140.0 J	160.0 J	1100.0	5600.0	1300.0	1500.0	2300.0	28000.0 B
Di-n-Octylphthalate	--	--	--	--	73.0 J	510.0 J	100.0 J	--	--	--
Benzo(b)fluoranthene	1100.0	2400.0	120.0 J	650.0	520.0	1400.0 J	980.0	920.0	3000.0 E	2300.0 J
Benzo(k)fluoranthene	820.0	1800.0	100.0 J	310.0 J	--	1000.0 J	--	430.0	1300.0	1700.0 J
Benzo(a)pyrene	1400.0	2400.0	100.0 J	430.0	330.0 J	1100.0 J	470.0	710.0	1700.0	--
Indeno(1,2,3-cd)pyrene	740.0	1300.0	88.0 J	220.0 J	310.0 J	650.0 J	700.0	260.0 J	2000.0	3100.0 J
Dibenz(a,h)anthracene	440.0	750.0 J	--	--	160.0 J	--	170.0 J	140.0 J	350.0 J	--
Benzo(g,h,i)perylene	840.0	1300.0	93.0 J	220.0 J	500.0	640.0 J	410.0	300.0 J	2500.0	2200.0 J

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SOIL SUMMARY

SAMPLING POINT / PARAMETER	X101 soil background	X102	X103	X104	X105	X106	X107	X108	X109	X110
PESTICIDES UG\KG (PPB)										
beta-BHC	--	--	--	14.0 P	--	--	47.0 P	31.0 P	--	180.0 P
gamma-BHC (Lindane)	--	--	4.5 J		--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	81.0	100.0 P	--	--
Aldrin	--	--	--	--	--	36.0	--	--	--	--
Heptachlor epoxide	--	--	--	--	--	--	--	75.0 P	--	--
Endosulfan I	--	--	5.3 J	--	--	16.0 P	--	--	--	--
Dieldrin	--	--	--	19.0 P	--	97.0 P	--	--	--	--
4,4'-DDE	--	--	28.0 J	72.0 P	29.0 P	--	--	490.0 P	690.0 P	570.0 P
Endrin	5.1 P	--	--	38.0 P	--	31.0 P	--	--	--	--
Endosulfan II	--	27.0 J	--	--	--	--	--	--	460.0 P	--
4,4'-DDD	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	230.0	--	--	--	290.0 P	--	--
alpha-Chlordane	--	--	--	--	--	--	--	--	150.0 P	170.0 P
gamma-Chlordane	--	--	--	11.0 P	--	--	24.0 P	490.0	--	--
Aroclor-1242	--	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	750.0 J	1000.0	300.0	830.0	6800.0 P	13000.0	12000.0 P	28000.0 P
Aroclor-1254	--	--	--	--	--	--	--	--	--	13000.0 P
Aroclor-1260	--	--	590.0 J	900.0 P	1200.0 P	1300.0	7000.0	8000.0	15000.0 P	--
INORGANICS MG\KG (PPM)										
Aluminum	1720.0	2160.0	3780.0	4750.0	6550.0	4730.0	5060.0	257000.0	23700.0	11400.0
Antimony	--	16.3 J	15.7 J	12.6 J	22.0 J	19.8 J	81.6 J	138.0 J	--	27.9 J
Arsenic	12.4	20.7	10.0	23.4	11.6	10.1	34.9	10.8	36.1 J	15.6 J
Barium	86.6	117.0	96.9	130.0	264.0	219.0	285.0	462.0	717.0	481.0
Beryllium	0.5 J	0.6 J	0.4 J	0.6 J	0.6 J	0.6 J	0.6 J	1.1 J	0.8 J	0.5 J
Cadmium	3.1	15.3	6.3	3.9	16.1	6.8	13.0	80.9	67.1	22.1
Calcium	16600.0	73200.0	55000.0	28300.0	60000.0	64300.0	68200.0	19600.0	43500.0	70700.0
Chromium	7.2	413.0	35.1	21.3	49.5	79.4	101.0	306.0	375.0	157.0
Cobalt	3.4 B	10.7 B	4.4 B	4.0 B	9.1 B	5.8 B	8.9 B	10.7 B	30.2 B	16.0
Copper	89.0	366.0	176.0	126.0	288.0	193.0	1810.0	15100.0	4380.0	29100.0
Iron	21800.0	128000.0	32700.0	33800.0	88800.0	49200.0	105000.0	46600.0	160000.0	100000.0
Lead	769.0	543.0	317.0	382.0	794.0	605.0	5250.0	4590.0	3160.0	2190.0
Magnesium	7590.0	20000.0	24900.0	13400.0	30700.0	34700.0	38200.0	19100.0	17400.0	38800.0
Manganese	219.0	2930.0	346.0	357.0	641.0	444.0	811.0	1450.0	1570.0	891.0
Mercury	0.4	0.5	1.5	0.8	1.1	0.4	1.5	2.5	17.4	8.2
Nickel	10.9	406.0	40.8	19.1	65.7	36.7	128.0	407.0	268.0 J	133.0 J
Potassium	479.0 B	646.0 B	--	737.0 B	797.0 B	582.0 B	742.0 B	--	--	--
Selenium	0.7 J	2.6 J	1.0 J	0.8 J	0.7 J	0.8 J	1.3	34.8	14.4 J	5.8 J
Silver	0.9	1.2	0.9	0.9	1.0	--	--	36.0	--	5.2
Sodium	137.0 B	247.0 B	194.0 B	219.0 B	251.0 B	230.0 B	306.0 B	269.0 B	345.0 B	367.0 B
Thallium	--	--	--	--	--	--	--	--	11.3	6.5
Vanadium	10.6 B	10.9 B	13.9	13.1	9.5 B	12.8	5.9 B	35.6 B	18.0 B	7.5 B
Zinc	330.0 J	1210.0 J	754.0 J	490.0 J	1830.0 J	1120.0 J	1840.0 J	12100.0 J	9630.0	5270.0
Cyanide	0.3	0.4	0.3	1.0	0.3	0.2	0.5	0.2	2.3 J	2.1 J

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SOIL SUMMARY

SAMPLING POINT	X101 soil background	X111	X112	X113	X114	X115	X116	X117	X118	X119
PARAMETER										
VOLATILES UG\KG (PPB)										
Vinyl Chloride	--	7.0 J	--	--	--	--	--	--	--	--
Methylene Chloride	44.0	37.0	36.0	17.0	35.0	68.0	67.0	60.0	50.0	22.0
Acetone	--	680.0 E	180.0	38.0	17.0	--	--	--	--	--
Carbon Disulfide	--	10.0 J	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	4.0 J	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	--	130.0	33.0	20.0	--	--	--	--	--	--
Benzene	--	22.0	--	--	--	--	--	--	--	--
Toluene	--	120.0	--	7.0 J	--	--	--	--	--	--
Ethylbenzene	--	61.0	--	--	--	--	--	--	--	--
Xylene(total)	--	320.0	--	--	--	--	--	--	--	--
SEMIVOLATILES UG\KG (PPB)										
Naphthalene	--	--	220.0 J	--	140.0 J	450.0 J	--	790.0	820.0	--
2-Methylnaphthalene	--	--	240.0 J	--	260.0 J	--	130.0 J	360.0 J	370.0 J	--
Dimethylphthalate	--	--	130.0 J	--	--	--	--	--	--	--
Acenaphthylene	84.0 J	--	--	--	--	--	--	110.0 J	99.0 J	--
Acenaphthene	--	--	210.0 J	--	--	820.0 J	--	--	--	--
Dibenzofuran	--	--	120.0 J	--	--	490.0 J	--	300.0 J	300.0 J	--
Diethylphthalate	--	2100.0 J	--	--	--	--	--	--	--	--
Fluorene	--	--	210.0 J	--	66.0 J	1000.0 J	--	120.0 J	110.0 J	--
Phenanthrene	960.0	3400.0 J	1700.0	--	510.0	9400.0	990.0	2000.0	2000.0	400.0
Anthracene	230.0 J	--	490.0	--	85.0 J	1900.0	180.0 J	440.0	370.0 J	--
Carbazole	83.0 J	--	240.0 J		--	1100.0 J	110.0 J	290.0 J	310.0 J	--
Di-n-Butylphthalate	--	--	720.0	--	310.0 J	1300.0 J	250.0 J	78.0 J	120.0 J	97.0 J
Fluoranthene	1800.0	4800.0 J	1600.0	--	630.0	11000.0	1400.0	2400.0	2200.0	670.0
Pyrene	1900.0	5500.0 J	4300.0 E	--	890.0	9100.0	1200.0	2200.0	2100.0	550.0
Butylbenzylphthalate	--	4000.0 J	2200.0	--	430.0	--	330.0 J	--	270.0 J	--
Benzo(a)anthracene	1900.0	2200.0 J	1400.0	--	360.0 J	4600.0	650.0	2800.0	370.0 J	230.0 J
Chrysene	1500.0	2600.0 J	1400.0	--	400.0	5200.0	820.0	3100.0 E	3000.0	340.0 J
bis(2-Ethylhexyl)phthalate	--	39000.0 B	3100.0 BE	--	1500.0 B	--	670.0 B	2500.0 B	11000.0 BE	--
Di-n-Octylphthalate	--	--	--	--	--	--	--	--	310.0 J	--
Benzo(b)fluoranthene	1100.0	1800.0 J	2900.0	--	640.0	4500.0	820.0	3100.0 E	2700.0	330.0 J
Benzo(k)fluoranthene	820.0	2000.0 J	--	--	410.0	3300.0	480.0	1000.0	1000.0	270.0 J
Benzo(a)pyrene	1400.0	--	1600.0	--	450.0	4100.0	560.0	1900.0	1600.0	240.0 J
Indeno(1,2,3-cd)pyrene	740.0	--	1200.0	--	380.0	2600.0	380.0 J	1300.0	1000.0	170.0 J
Dibenz(a,h)anthracene	440.0	--	260.0 J	--	210.0 J	1300.0 J	180.0 J	1100.0	870.0	84.0 J
Benzo(g,h,i)perylene	840.0	1700.0 J	1300.0	--	400.0	2700.0	400.0	1200.0	1000.0	180.0 J

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SOIL SUMMARY

SAMPLING POINT	X101 soil background	X111	X112	X113	X114	X115	X116	X117	X118	X119
PARAMETER										
PESTICIDES UG\KG (PPB)										
beta-BHC	--	170.0 P	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	4.5 P	21.0 P	--	--	--	--	--
Heptachlor	--	--	--	--	--	160.0 P	--	--	--	--
Aldrin	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	93.0 P	--	--	--	--	--
Endosulfan I	--	--	--	--	--	66.0 P	24.0 P	--	--	--
Dieldrin	--	--	--	--	--	1900.0 DP	--	--	--	--
4,4'-DDE	--	670.0 P	770.0 P	58.0 PE	210.0 P	640.0 P	240.0 P	52.0	48.0	100.0
Endrin	5.1 P	--	--	5.0 P	--	--	--	--	--	--
Endosulfan II	--	--	--	--	110.0 P	--	--	--	--	--
4,4'-DDD	--	--	--	--	47.0 P	1700.0 DP	60.0 P	48.0 P	43.0 P	--
4,4'-DDT	--	--	--	12.0 P	--	2600.0 PE	600.0 P	210.0	160.0	170.0 P
alpha-Chlorodane	--	--	--	33.0 P	--	--	--	--	--	--
gamma-Chlorodane	--	--	180.0 P	--	140.0 P	300.0 P	--	--	26.0	--
Aroclor-1242	--	20000.0 P	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	15000.0 P	950.0 D	9000.0 P	4200.0 P	1400.0 P	--	--	--
Aroclor-1254	--	14000.0 P	22000.0 P	770.0 D	9600.0 DP	20000.0 D	5600.0 P	--	--	--
Aroclor-1260	--	--	--	--	--	--		--	--	--
INORGANICS MG\KG (PPM)										
Aluminum	1720.0	27500.0	12000.0	2170.0	9810.0	18900.0	10900.0	5360.0 J	9050.0 J	5290.0
Antimony	--	17.8 J	--	--	14.3 J	--	13.4 J	12.7 J	13.4 J	10.6 J
Arsenic	12.4	20.5 J	32.7 J	2.6 J	17.6 J	62.9 J	17.3 J	9.1	9.0	9.6
Barium	66.6	372.0	540.0	13.7 B	243.0	2550.0	372.0	230.0	276.0	143.0
Beryllium	0.5 J	0.4 J	0.5 J	--	0.8 J	0.8 J	0.9 J	1.0 B	1.1 B	0.7 J
Cadmium	3.1	17.3	72.1	--	29.5	71.0	14.0	5.3	5.9	2.5
Calcium	16600.0	22000.0	47400.0	1390.0	61500.0	40200.0	35100.0	23500.0	25100.0	14400.0
Chromium	7.2	96.3	445.0	4.5	187.0	182.0	47.4	20.6	19.3	14.0
Cobalt	3.4 B	9.7 B	30.3 B	1.6 B	14.3	39.9	10.6 B	6.2 B	6.2 B	5.7 B
Copper	89.0	2410.0	2890.0	10.7	1420.0	4000.0	1770.0	110.0 J	391.0 J	58.6
Iron	21800.0	63700.0	229000.0	5720.0	146000.0	163000.0	39000.0	17400.0	20400.0	17000.0
Lead	789.0	915.0	2760.0	10.7	2070.0	5970.0	875.0	264.0	261.0	598.0
Magnesium	7590.0	10800.0	23600.0	905.0 B	30800.0	20700.0	18300.0	9330.0	11300.0	6950.0
Manganese	219.0	619.0	2350.0	52.0	1410.0	2080.0	728.0	513.0	496.0	572.0
Mercury	0.4	2.0	20.5	0.1	8.0	10.5	2.1	0.7 J	0.2 J	0.6
Nickel	10.9	169.0 J	339.0 J	4.6 J	118.0 J	307.0 J	49.1 J	20.6 J	39.7 J	14.0
Potassium	479.0 B	--	--	--	567.0	1190.0	1410.0	1720.0	2350.0	683.0 B
Selenium	0.7 J	2.6 J	10.4 J	0.9 J	5.4 J	15.4 J	4.1 J	1.7 J	1.1 J	1.7 J
Silver	0.9	1.2 B	4.7 B	0.9 B	1.6 B	--	1.6 B	--	1.0	--
Sodium	137.0 B	295.0 B	324.0 B	61.2 B	340.0	728.0	567.0 B	209.0 B	420.0 B	159.0 B
Thallium	--	4.5	14.5	--	8.8	9.2	2.3 B	--	--	--
Vanadium	10.8 B	8.1 B	--	10.5 B	20.1	5.0	20.8	19.1	21.2	19.3
Zinc	330.0 J	3660.0	7590.0	46.0	2560.0	31900.0	1870.0	704.0 J	773.0 J	401.0 J
Cyanide	0.3	1.7 J	4.8 J	0.5 J	0.8 J	1.4 J	1.7 J	0.8	1.0	--

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SOIL DIOXINS

SAMPLING POINT	X107	X108	X109	X110	X112	X114	X115	X117	X118	X119
ANALYTES NG\KG (PPT)										
2378-TCDD	1.7	6.5	14.2	3.1	11.6	7.2	13.0	0.7	1.0	0.5
12378-PeCDD	5.4	30.6	71.2	10.7	50.0	27.4	44.0	3.0	3.7	2.5
123478-HxCDD	9.3	59.8	174.0	12.0	95.9	56.5	80.1	6.5	7.4	4.8
123678-HxCDD	31.6	131.0	342.0	62.5	278.0	152.0	256.0	23.4	26.2	11.7
123789-HxCDD	28.1	188.0	279.0	49.7	293.0	168.0	257.0	15.9	20.2	11.7
1234678-HpCDD	456.0	1240.0	4300.0	939.0	2420.0	2010.0	3610.0	526.0	550.0	246.0
OCDD	2660.0	5620.0	28130.0	7810.0	11290.0	13340.0	21130.0	3900.0	4100.0	1600.0
2378-TCDF	129.0	1320.0	787.0	285.0	1030.0	480.0	580.0	35.0	50.7	24.9
12378-PeCDF	19.6	206.0	127.0	38.0	347.0	93.8	75.9	6.4	8.6	4.7
23478-PeCDF	39.2	307.0	304.0	86.0	345.0	153.0	148.0	22.0	22.7	7.2
123478-HxCDF	127.0	1200.0	728.0	194.0	1750.0	563.0	596.0	32.3	39.8	20.5
123678-HxCDF	26.9	297.0	200.0	52.2	465.0	147.0	111.0	11.3	11.9	6.7
234678-HxCDF	33.0	479.0	205.0	42.4	463.0	186.0	158.0	15.1	15.3	11.2
123789-HxCDF	1.7	11.8	10.6	2.9	35.5	11.4	6.4	0.6	1.6	0.9
1234678-HpCDF	226.0	2080.0	1200.0	352.0	2490.0	848.0	1070.0	372.0	232.0	77.3
1234789-HpCDF	36.0	181.0	191.0	66.7	489.0	118.0	82.8	11.3	13.0	5.9
OCDF	371.0	2030.0	1950.0	792.0	3670.0	951.0	2300.0	651.0	692.0	180.0
TOTAL TCDD	41.2	243.0	203.0	41.8	258.0	240.0	273.0	9.0	34.8	18.9
TOTAL PeCDD	57.3	228.0	749.0	117.0	414.0	399.0	495.0	31.1	46.9	22.6
TOTAL HxCDD	347.0	1410.0	3610.0	669.0	2700.0	1790.0	2330.0	203.0	224.0	112.0
TOTAL HpCDD	1050.0	2540.0	9440.0	1920.0	4970.0	4210.0	7050.0	1000.0	1040.0	493.0
TOTAL TCDF	583.0	5400.0	4500.0	1390.0	4350.0	2610.0	2910.0	187.0	296.0	163.0
TOTAL PeCDF	445.0	3600.0	3480.0	792.0	3690.0	1910.0	1590.0	157.0	173.0	120.0
TOTAL HxCDF	314.0	3890.0	3690.0	776.0	4700.0	2060.0	2950.0	280.0	279.0	136.0
TOTAL HpCDF	483.0	2910.0	2810.0	921.0	4170.0	1700.0	2800.0	790.0	676.0	195.0
2,3,7,8-TCDD TOXICITY EQUIVALENT	73.9	593.3	564.0	145.6	736.4	322.5	388.3	41.2	44.7	19.9

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-2
SEDIMENT AND GROUNDWATER SUMMARY

SAMPLING POINT / PARAMETER	X201 sediment background	X202	X203	X204	X205	G101 groundwater background	G103	G104	G105 Field Blank
VOLATILES UG\KG (PPB)									
Methylene Chloride	18.0	17.0	36.0	28.0	12.0	--	--	--	3.0 J
Acetone	--	22.0	15.0	--	--	--	--	--	410.0 D
SEMIVOLATILES UG\KG (PPB)									
Acenaphthene	96.0 J	--	--	--	--	--	--	--	--
Dibenzofuran	91.0 J	--	--	--	--	--	--	--	--
Fluorene	220.0 J	--	--	--	--	--	--	--	--
Phenanthrene	1600.0	410.0	120.0 J	--	150.0 J	--	--	--	--
Anthracene	310.0 J	86.0 J	--	--	--	--	--	--	--
Carbazole	230.0 J	--	--	--					
Di-n-Butylphthalate	--	--	61.0 J	--	--	--	--	--	--
Fluoranthene	2100.0	560.0	130.0 J	--	220.0 J	--	--	--	--
Pyrene	1700.0	430.0	110.0 J	--	170.0 J	--	--	--	--
Benzo(a)anthracene	940.0	210.0 J	--	--	81.0 J	--	--	--	--
Chrysene	1000.0	260.0 J	--	--	110.0 J	--	--	--	--
bis(2-Ethylhexyl)phthalate	730.0 B	--	--	--	--	5.0 J	1.0 J	3.0 J	26.0
Benzo(b)fluoranthene	940.0	230.0 J	--	--	91.0 J	--	--	--	--
Benzo(k)fluoranthene	770.0	240.0 J	--	--	91.0 J	--	--	--	--
Benzo(a)pyrene	840.0	220.0 J	--	--	89.0 J	--	--	--	--
Indeno(1,2,3-cd)pyrene	540.0	140.0 J	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	290.0 J	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	540.0	140.0 J	--	--	--	--	--	--	--
PESTICIDES UG\KG (PPB)									
delta-BHC	--	13.0	--	--	2.1 P	--	--	--	--
Aldrin	--	--	--	--	3.2 P	--	--	--	--
Endosulfan I	--	--	--	--	2.3 P	--	--	--	--
4,4'-DDE	24.0 P	21.0 P	--	--	7.8	--	--	--	--
4,4'-DDD	39.0	47.0	--	--	13.0 P	--	--	--	--
4,4'-DDT	35.0 P	60.0	--	--	8.5 P	--	--	--	--
Aroclor-1248	--	--	--	--	48.0 P	--	--	--	--
Aroclor-1254	--	--	--	--	63.0 P	--	--	--	--
INORGANICS MG\KG (PPM)									
Aluminum	2190.0	4800.0	6200.0	4690.0	3630.0	--	37.6 B	--	--
Antimony	13.0 J	19.9 J	21.8 J	16.4 J	17.0 J	--	--	--	--
Arsenic	2.8	7.1	6.5	6.8	9.6	--	3.2 B	--	--
Barium	13.1 B	40.5 B	21.0 B	19.9 B	20.4 B	36.6 B	19.6 B	10.3 B	1.0 J
Beryllium	0.2 J	9.2	0.6 J	0.5 J	0.7 J	0.6 J	--	--	--
Cadmium	--	1.3	--	--	--	--	--	--	--
Calcium	41100.0	61500.0	86300.0	95900.0	111000.0	48100.0	21300.0	12000.0	305.0 J
Chromium	7.5	32.0	11.1	9.2	9.3	--	--	--	--
Cobalt	1.9 B	9.3 B	7.7 B	7.3 B	11.8 B	--	3.4 B	--	--
Copper	16.8	990.0	24.1	23.6	27.5	13.3 J	16.6 J	19.2 J	8.6 J
Iron	8980.0	26200.0	16300.0	15000.0	16300.0	56.4 J	102.0	41.0 J	16.4 J
Lead	24.6	302.0	8.2	6.3	36.3	1.8 J	3.1 J	1.4 J	1.2 J
Magnesium	20700.0	33600.0	45900.0	50300.0	58700.0	20400.0	9020.0	4630.0 B	64.0 J
Manganese	263.0	834.0	593.0	643.0	728.0	4.9 B	33.8	10.7 B	--
Nickel	6.2 J	55.7	17.6	13.6	24.9	--	--	--	--
Potassium	--	779.0 B	1780.0	1310.0	509.0 B	--	2690.0	--	--
Selenium	0.7 B	0.9 J	0.7 J	0.9 J	1.1 J	--	--	--	--
Silver	--	1.0	--	--	--	--	--	--	--
Sodium	254.0 B	2200.0	283.0 B	272.0 B	397.0 B	49800.0	38400.0	62000.0	246.0 J
Vanadium	12.3 B	14.4	19.9	20.3	17.7	5.8	7.9	5.8	--
Zinc	101.0 J	5810.0 J	45.6	41.0	125.0	18.3 J	14.9 J	19.0 J	9.5 B

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-3
KEY SOIL SAMPLES

SAMPLING POINT	X101 soil background	X102	X103	X104	X105	X106	X107	X108	X109
PARAMETER									
VOLATILES UG/KG (PPB)									
Vinyl Chloride	--	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	25.0 J	--	--	--
Carbon Disulfide	--	--	--	--	--	3.0 J	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	6.0 J	--	--	--
2-Butanone (MEK)	--	--	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	17.0 J	--	--	--
Toluene	--	3.0 J	--	--	5.0 J	5.0 J	--	--	--
Ethylbenzene	--	--	--	--	--	--	--	--	--
Xylene(total)	--	--	--	--	--	21.0 J	--	--	--
SEMIVOLATILES UG/KG (PPB)									
Naphthalene	--	--	--	98.0 J	78.0 J	510.0 J	130.0 J	--	380.0
2-Methylnaphthalene	--	--	--	84.0 J	190.0 J	550.0 J	280.0 J	--	440.0
Dimethylphthalate	--	--	--	--	--	--	140.0 J	--	--
Acenaphthene	--	--	--	--	--	440.0 J	--	110.0 J	--
Dibenzofuran	--	--	--	--	--	--	--	--	180.0 J
Diethylphthalate	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	710.0 J	--	93.0 J	210.0 J
Phenanthrene	960.0	3900.0	--	--	--	3100.0	--	--	6600.0 E
Anthracene	230.0 J	860.0 J	--	--	--	--	--	--	--
Carbazole	83.0 J	290.0 J	--	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	73.0 J	130.0 J	500.0	--	520.0	110.0 J	1300.0
Fluoranthene	1600.0	5500.0	--	--	--	--	--	--	--
Pyrene	1900.0	--	--	--	--	--	--	--	6800.0 E
Butylbenzylphthalate	--	--	140.0 J	940.0	3400.0 E	920.0 J	2400.0	300.0	950.0
Benzo(a)anthracene	1300.0	--	--	--	--	--	--	--	--
Chrysene	1500.0	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	140.0 J	160.0 J	1100.0	5600.0	1300.0	1500.0	2300.0
Di-n-Octylphthalate	--	--	--	--	73.0 J	510.0 J	100.0 J	--	--
Benzo(b)fluoranthene	1100.0	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	740.0	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	840.0	--	--	--	--	--	--	--	--
PESTICIDES UG/KG (PPB)									
beta-BHC	--	--	--	14.0 P	--	--	47.0 P	31.0 P	--
gamma-BHC (Lindane)	--	--	4.5 J	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	81.0	100.0 P	--
Aldrin	--	--	--	--	--	36.0	--	--	--
Heptachlor epoxide	--	--	--	--	--	--	--	75.0 P	--
Endosulfan I	--	--	5.3 J	--	--	15.0 P	--	--	--
Dieldrin	--	--	--	19.0 P	--	97.0 P	--	--	--
4,4'-DDE	--	--	28.0 J	72.0 P	29.0 P	--	--	490.0 P	690.0 P
Endrin	5.1 P	--	--	38.0 P	--	31.0 P	--	--	--
Endosulfan II	--	27.0 J	--	--	--	--	--	--	460.0 P
4,4'-DDD	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	230.0	--	--	--	290.0 P	--
alpha-Chlordane	--	--	--	--	--	--	--	--	150.0 P
gamma-Chlordane	--	--	--	11.0 P	--	--	24.0 P	490.0	--
Aroclor-1242	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	750.0 J	1000.0	300.0	830.0	6800.0 P	13000.0	12000.0 P
Aroclor-1254	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	590.0 J	900.0 P	1200.0 P	1300.0	7000.0	8000.0	15000.0 P
INORGANICS MG/KG (PPM)									
Aluminum	1720.0	--	--	--	6550.0	--	--	257000.0	23700.0
Antimony	--	16.3 J	15.7 J	12.6 J	22.0 J	19.8 J	61.8 J	136.0 J	--
Arsenic	12.4	--	--	--	--	--	--	--	--
Barium	66.6	--	--	--	254.0	219.0	285.0	462.0	717.0
Cadmium	3.1	15.3	--	--	10.1	--	13.0	80.9	67.1
Calcium	16500.0	73200.0	55000.0	--	60000.0	64300.0	68200.0	--	--
Chromium	7.2	413.0	35.1	--	49.5	79.4	101.0	306.0	375.0
Cobalt	3.4 B	10.7 B	--	--	--	--	-- B	10.7 B	30.2 B
Copper	89.0	366.0	--	--	--	--	1810.0	15100.0	4380.0
Iron	21800.0	128000.0	--	--	68800.0	--	105000.0	--	160000.0
Lead	789.0	--	--	--	--	--	5250.0	4590.0	3160.0
Magnesium	7590.0	--	24900.0	--	30700.0	34700.0	38200.0	--	--
Manganese	219.0	2930.0	--	--	--	--	--	1450.0	1570.0
Mercury	0.4	--	1.5	--	--	--	1.5	2.5	17.4
Nickel	10.9	408.0	40.8	--	65.7	36.7	128.0	407.0	268.0 J
Potassium	479.0 B	--	--	--	--	--	--	--	--
Selenium	0.7 J	2.6 J	--	--	--	--	--	34.8	14.4 J
Silver	0.5	--	--	--	--	--	--	36.0	--
Sodium	137.0 B	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--	11.3
Vanadium	10.6 B	--	--	--	--	--	--	35.6 B	--
Zinc	330.0 J	1210.0 J	--	--	1830.0 J	1120.0 J	1840.0 J	12100.0 J	9630.0
Cyanide	0.3	--	--	1.0	--	--	--	--	2.3 J
DIOXINS NG/KG (PPT)									
2378-TCDD							1.7	6.5	14.2
2378-TCDF							129.0	1320.0	787.0
2378-TCDD TOXICITY EQUIVALENT							73.9	593.3	564.0

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-3
KEY SOIL SAMPLES

SAMPLING POINT	X101	X110	X111	X112	X113	X114	X115	X116	X117	X118	X119
PARAMETER	soil background										
VOLATILES UG/KG (PPB)											
Vinyl Chloride	--	--	7.0 J	--	--	--	--	--	--	--	--
Acetone	--	45.0	680.0 E	180.0	38.0	17.0	--	--	--	--	--
Carbon Disulfide	--	--	10.0 J	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	4.0 J	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	--	--	130.0	33.0	20.0	--	--	--	--	--	--
Benzene	--	--	22.0	--	--	--	--	--	--	--	--
Toluene	--	5.0 J	120.0	--	7.0 J	--	--	--	--	--	--
Ethylbenzene	--	--	61.0	--	--	--	--	--	--	--	--
Xylene(total)	--	--	320.0	--	--	--	--	--	--	--	--
SEMIVOLATILES UG/KG (PPB)											
Naphthalene	--	--	--	220.0 J	--	140.0 J	450.0 J	--	790.0	820.0	--
2-Methylnaphthalene	--	5800.0 J	--	240.0 J	--	260.0 J	--	130.0 J	360.0 J	370.0 J	--
Dimethylphthalate	--	--	--	130.0 J	--	--	--	--	--	--	--
Acenaphthene	--	--	--	210.0 J	--	--	920.0 J	--	--	--	--
Dibenzofuran	--	--	--	120.0 J	--	--	490.0 J	--	300.0 J	300.0 J	--
Diethylphthalate	--	--	2100.0 J	--	--	--	--	--	--	--	--
Fluorene	--	--	--	210.0 J	--	66.0 J	1000.0 J	--	120.0 J	110.0 J	--
Phenanthrene	860.0	--	3400.0 J	--	--	--	9400.0	--	--	--	--
Anthracene	230.0 J	--	--	--	--	--	1900.0	--	--	--	--
Carbazole	93.0 J	--	--	--	--	--	1100.0 J	--	--	--	--
Di-n-Butylphthalate	--	--	--	720.0	--	310.0 J	1300.0 J	250.0 J	78.0 J	120.0 J	97.0 J
Fluoranthene	1800.0	--	--	--	--	--	11000.0	--	--	--	--
Pyrene	1900.0	--	--	--	--	--	9100.0	--	--	--	--
Butylbenzylphthalate	--	3500.0 J	4000.0 J	2200.0	--	430.0	--	330.0 J	--	270.0 J	--
Benzo(a)anthracene	1300.0	--	--	--	--	--	4600.0	--	--	--	--
Chrysene	1500.0	--	--	--	--	--	5200.0	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	28000.0 B	39000.0 B	3100.0 BE	--	1500.0 B	--	670.0 B	2500.0 B	11000.0 BE	--
Di-n-Octylphthalate	--	--	--	--	--	--	--	--	--	310.0 J	--
Benzo(b)fluoranthene	1100.0	--	--	--	--	--	4500.0	--	--	--	--
Indeno(1,2,3-cd)pyrene	740.0	3100.0 J	--	--	--	--	2600.0	--	--	--	--
Benzo(g,h,i)perylene	840.0	3200.0 J	--	--	--	--	2700.0	--	--	--	--
PESTICIDES UG/KG (PPB)											
beta-BHC	--	180.0 P	170.0 P	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	4.5 P	21.0 P	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	160.0 P	--	--	--	--
Aldrin	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	--	93.0 P	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	66.0 P	24.0 P	--	--	--
Dieldrin	--	--	--	--	--	--	1900.0 DP	--	--	--	--
4,4'-DDE	--	570.0 P	670.0 P	770.0 P	58.0 PE	210.0 P	640.0 P	240.0 P	52.0	48.0	100.0
Endrin	5.1 P	--	--	--		--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	110.0 P	--	--	--	--	--
4,4'-DDD	--	--	--	--	--	47.0 P	1700.0 DP	60.0 P	48.0 P	43.0 P	--
4,4'-DDT	--	--	--	--	12.0 P	--	2600.0 PE	600.0 P	210.0	160.0	170.0 P
alpha-Chlordane	--	170.0 P	--	--	33.0 P	--	--	--	--	--	--
gamma-Chlordane	--	--	--	160.0 P	--	140.0 P	300.0 P	--	--	26.0	--
Aroclor-1242	--	--	20000.0 P	--	--	--	--	--	--	--	--
Aroclor-1248	--	28000.0 P	--	15000.0 P	950.0 D	2000.0 P	4200.0 P	1400.0 P	--	--	--
Aroclor-1254	--	13000.0 P	14000.0 P	22000.0 P	770.0 D	9600.0 DP	20000.0 D	5600.0 P	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--
INORGANICS MG/KG (PPM)											
Aluminum	1720.0	11400.0	27500.0	12000.0	--	9810.0	18900.0	10900.0	5360.0 J	9050.0 J	5290.0
Antimony	--	27.9 J	17.8 J	--	--	14.3 J	--	13.4 J	12.7 J	13.4 J	10.6 J
Arsenic	12.4	--	--	--	--	--	62.9 J	--	--	9.0	--
Barium	66.6	461.0	372.0	540.0	--	243.0	2550.0	372.0	230.0	276.0	--
Cadmium	3.1	22.1	17.3	72.1	--	29.5	71.0	14.0	--	--	--
Calcium	18600.0	70700.0	--	--	--	61500.0	--	--	--	--	--
Chromium	7.2	157.0	96.3	445.0	--	187.0	182.0	47.4	--	--	--
Cobalt	3.4 B	16.0	--	30.3 B	--	14.3	39.9	10.6 B	--	--	--
Copper	89.0	29100.0	2410.0	2890.0	--	1420.0	4000.0	1770.0	--	391.0 J	--
Iron	21800.0	100000.0	--	229000.0	--	146000.0	163000.0	--	--	--	--
Lead	769.0	--	--	2760.0	--	--	5970.0	--	--	--	--
Magnesium	7590.0	38800.0	--	23600.0	--	30800.0	--	--	--	--	--
Manganese	218.0	891.0	--	2380.0	--	1410.0	2060.0	728.0	--	--	--
Mercury	0.4	8.2	2.0	20.5	--	8.0	10.5	2.1	--	--	--
Nickel	10.9	133.0 J	169.0 J	339.0 J	--	118.0 J	307.0 J	49.1 J	--	39.7 J	--
Potassium	479.0 B	--	--	--	--	--	--	--	1720.0	2350.0	--
Selenium	0.7 J	5.8 J	2.6 J	10.4 J	--	5.4 J	15.4 J	4.1 J	--	--	--
Silver	0.9	5.2	--	4.7 B	--	--	--	--	--	--	--
Sodium	197.0 B	--	--	--	--	--	--	567.0 B	--	420.0 B	--
Thallium	--	6.5	4.5	14.5	--	8.8	9.2	2.3 B	--	--	--
Vanadium	10.6 B	--	--	--	--	--	--	--	--	--	--
Zinc	330.0 J	5270.0	3660.0	7590.0	--	2560.0	31900.0	1870.0	--	--	--
Cyanide	0.3	2.1 J	1.7 J	4.8 J	--	--	1.4 J	1.7 J	--	1.0	--
DIOXINS NG/KG (PPT)											
2378-TCDD		3.1		11.6		7.2	13.0		0.7	1.0	0.5
2378-TCDF		285.0		1030.0		480.0	580.0		35.0	50.7	24.9
2378-TCDD TOXICITY EQUIVALENT		145.6		736.4		322.5	388.3		41.2	44.7	19.9

SITE NAME: DIAMOND SCRAP YARD

ILO 001093509

TABLE 3-3
KEY SEDIMENT AND GROUNDWATER SAMPLES

SAMPLING POINT / PARAMETER	X201 sediment background	X202	X203	X204	X205		G101 groundwater background	G103	G104	G105 Field Blank
VOLATILES UG\KG (PPB)										
Acetone	--	22.0	15.0	--	--		--	--	--	--
SEMIVOLATILES UG\KG (PPB)										
Di-n-Butylphthalate	--	--	61.0 J	--	--		--	--	--	--
bis(2-Ethylhexyl)phthalate	730.0 B	--	--	--	--		5.0 J			26.0
PESTICIDES UG\KG (PPB)										
delta-BHC	--	13.0	--	--	2.1 P		--	--	--	--
Aldrin	--	--	--	--	3.2 P		--	--	--	--
Endosulfan I	--	--	--	--	2.3 P		--	--	--	--
Aroclor-1248	--	--	--	--	48.0 P		--	--	--	--
Aroclor-1254	--	--	--	--	63.0 P		--	--	--	--
INORGANICS MG\KG (PPM)										
Aluminum	--	--	--	--	--		--	37.6 B	--	--
Arsenic	2.8	--	--	--	9.6		--	3.2 B	--	--
Barium	13.1 B	40.5 B	--	--	--		--	--	--	--
Beryllium	0.2 J	9.2	--	--	--		--	--	--	--
Cadmium	--	1.3	--	--	--		--	--	--	--
Chromium	7.5	32.0	--	--	--		--	--	--	--
Cobalt	1.9 B	9.3 B	7.7 B	7.3 B	11.8 B		--	3.4 B	--	--
Copper	16.8	990.0	--	--	--		--	--	--	--
Lead	24.5	302.0	--	--	--		--	--	--	--
Manganese	263.0	834.0	--	--	--		4.9 B	33.8	--	--
Nickel	6.2 J	55.7	--	--	24.9		--	--	--	--
Potassium	--	779.0 B	1780.0	1310.0	509.0 B		--	2690.0	--	--
Silver	--	1.0	--	--	--		--	--	--	--
Sodium	254.0 B	2200.0	--	--	--		--	--	--	--
Zinc	101.0 J	5810.0 J	--	--	--		--	--	--	--

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

000028

EPA SAMPLE NO.

EYL77

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0845

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 9 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL77

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0845

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 9 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.15	7	J
2.	Unknown	10.42	6	J
3.	Unknown	11.50	8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL77RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0856

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 9 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	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	44
67-64-1	Acetone	11 U
75-15-0	Carbon Disulfide	11 U
75-35-4	1,1-Dichloroethene	11 U
75-34-3	1,1-Dichloroethane	11 U
540-59-0	1,2-Dichloroethene (total)	11 U
67-66-3	Chloroform	11 U
107-06-2	1,2-Dichloroethane	11 U
78-93-3	2-Butanone	11 U
71-55-6	1,1,1-Trichloroethane	11 U
56-23-5	Carbon Tetrachloride	11 U
75-27-4	Bromodichloromethane	11 U
78-87-5	1,2-Dichloropropane	11 U
10061-01-5	cis-1,3-Dichloropropene	11 U
79-01-6	Trichloroethene	11 U
124-48-1	Dibromochloromethane	11 U
79-00-5	1,1,2-Trichloroethane	11 U
71-43-2	Benzene	11 U
10061-02-6	trans-1,3-Dichloropropene	11 U
75-25-2	Bromoform	11 U
108-10-1	4-Methyl-2-Pentanone	11 U
591-78-6	2-Hexanone	11 U
127-18-4	Tetrachloroethene	11 U
79-34-5	1,1,2,2-Tetrachloroethane	11 U
108-88-3	Toluene	11 U
108-90-7	Chlorobenzene	11 U
100-41-4	Ethylbenzene	11 U
100-42-5	Styrene	11 U
1330-20-7	Xylene (total)	11 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000037

EPA SAMPLE NO.

EYL77RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0856

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 9 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (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. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.02	24	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000042**

EPA SAMPLE NO.

EYL78

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0825

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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	27	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL78

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0825

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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. 108-87-2	Cyclohexane, methyl-	8.15	9	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET **000049**

EPA SAMPLE NO.

EYL78RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0843

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000050

EPA SAMPLE NO.

EYL78RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0843

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000055**

EPA SAMPLE NO.

EYL79

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0842

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 3 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL79

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0842

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 3 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000060**

EPA SAMPLE NO.

EYL80

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0830

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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	12	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000061

EPA SAMPLE NO.

EYL80

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0830

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000065**

EPA SAMPLE NO.

EYL80RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0846

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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	21	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000066

EPA SAMPLE NO.

EYL80RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0846

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 10 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000070

EPA SAMPLE NO.

EYL81

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0831

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 6 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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	30	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL81

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0831

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 6 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 291-64-5	Cycloheptane	7.07	16	JN
2. 108-87-2	Cyclohexane, methyl-	8.17	20	JN
3.	Unknown	8.88	9	J
4.	Unknown	10.42	10	J
5.	Unknown	11.52	9	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000082

EPA SAMPLE NO.

EYL81RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0847

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 6 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (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	35	
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	5	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000083

EPA SAMPLE NO.

EYL81RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0847

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 6 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 822-50-4	Cyclopentane, 1,2-dimethyl-,	7.05	16	JN
2. 108-87-2	Cyclohexane, methyl-	8.13	17	JN
3.	Unknown	8.85	8	J
4. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	10.38	10	JN
5.	Unknown	11.48	12	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906208

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0832

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 7 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	24	
67-64-1	Acetone	25	
75-15-0	Carbon Disulfide	3	J
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	6	J
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	17	
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	5	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	21	

VOLATILE ORGANICS ANALYSIS DATA SHEET 000148
TENTATIVELY IDENTIFIED COMPOUNDS

EYL83RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0849

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 8 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.03	8	J
2.	Unknown	8.13	10	J

VOLATILE ORGANICS ANALYSIS DATA SHEET 000156

EYL84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0834

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 18 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	0	
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	31	
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

VOLATILE ORGANICS ANALYSIS DATA SHEET 000157
TENTATIVELY IDENTIFIED COMPOUNDS

EYL84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0834

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 18 Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 822-50-4	Cyclopentane, 1,2-dimethyl-,	7.08	14	JN
2.	Unknown	18.65	8	J
3.	Unknown	19.12	9	J

VOLATILE ORGANICS ANALYSIS DATA SHEET 000164

EYL84RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0850

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 18 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (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	36	
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYL84RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0850

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. 18 Date Analyzed: 11/03/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET 000169

EYM83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906211

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3828

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYM83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906211

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3828

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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.	Unknown	16.93	10	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EYM84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3831

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYM84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906214

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3831

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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.	Unknown	16.97	10	BJ U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EYM85

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906215

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3832

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYM85

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906215

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3832

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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.	Unknown	16.98	10	BJ u

KM 11-9

EYM86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

'atrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3833

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	0	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	490	E
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EYM86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3833

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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.	Unknown	16.98	10	BJ U

KM 12-14

VOLATILE ORGANICS ANALYSIS DATA SHEET

EYM86DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3836

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. _____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 5.0

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

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

CAS NO.	COMPOUND	Q	
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	410	D
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYM86DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3836

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 5.0

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.	Unknown	16.98	45	BJ u

KM 12-19

VOLATILE ORGANICS ANALYSIS DATA SHEET 000157

EYM87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906217

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3834

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYM87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906217

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B3834

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: not dec. ____ Date Analyzed: 11/02/94

GC Column: CAP ID: 0.530 (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.	Unknown	16.97	9	BJU

KM 12/9/94

WATER SEMIVOLATILE SURROGATE RECOVERY

Job Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	EYM83	93	83	58	92	73	93	84	76	0
02	EYM84	100	98	94	101	83	95	94	78	0
03	EYM85	84	88	38	90	80	95	84	73	0
04	EYM86	85	86	60	92	80	95	85	73	0
05	EYM83MS	95	91	54	86	81	93	87	84	0
06	EYM83MSD	93	89	45	85	88	94	89	84	0
07	SBLK6J	100	95	87	103	82	93	95	78	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	EYL77	58	72	74	55	52	68	57	59	0
02	EYL78	62	74	74	60	53	67	60	61	0
03	EYL79	60	74	82	58	51	69	58	61	0
04	EYL80	53	62	53	51	48	53	49	48	0
05	EYL81	62	74	96	63	58	64	64	64	0
06	EYL81RE	68	84	98	63	58	81	67	69	0
07	EYL82	59	52	67	44	35	53	44	42	0
08	EYL83	60	70	110	61	56	71	61	62	0
09	EYL83RE	67	81	121	62	53	79	62	65	0
10	EYL84	46	54	43	44	37	26	40	41	0
11	EYL79MS	63	78	82	57	55	74	61	65	0
12	EYL79MSD	61	73	83	57	52	76	60	63	0
13	SBLK6I	65	73	84	54	40	39	53	66	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

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

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix Spike - EPA Sample No.: EYM83

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	250.0	0	164.3	66	12-110
2-Chlorophenol	250.0	0	153.0	61	27-123
1,4-Dichlorobenzene	167.0	0	88.43	53	36- 97
N-Nitroso-di-n-prop.(1)	167.0	0	109.5	66	41-116
1,2,4-Trichlorobenzene	167.0	0	87.91	53	39- 98
4-Chloro-3-methylphenol	250.0	0	174.9	70	23- 97
Acenaphthene	167.0	0	103.6	62	46-118
4-Nitrophenol	250.0	0	193.4	77	10- 80
2,4-Dinitrotoluene	167.0	0	108.9	65	24- 96
Pentachlorophenol	250.0	0	200.3	80	9-103
Pyrene	167.0	0	77.55	46	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	250.0	159.7	64	3	42	12-110
2-Chlorophenol	250.0	159.5	64	5	40	27-123
1,4-Dichlorobenzene	167.0	90.18	54	2	28	36- 97
N-Nitroso-di-n-prop.(1)	167.0	101.5	61	8	38	41-116
1,2,4-Trichlorobenzene	167.0	90.98	54	2	28	39- 98
4-Chloro-3-methylphenol	250.0	171.3	69	1	42	23- 97
Acenaphthene	167.0	102.9	62	0	31	46-118
4-Nitrophenol	250.0	191.3	77	0	50	10- 80
2,4-Dinitrotoluene	167.0	104.6	63	3	38	24- 96
Pentachlorophenol	250.0	195.4	78	3	50	9-103
Pyrene	167.0	69.22	41	11	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix Spike - EPA Sample No.: EYL79 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2580	0	869.1	34	26- 90
2-Chlorophenol	2580	0	969.8	38	25-102
1,4-Dichlorobenzene	1720	0	689.2	40	28-104
N-Nitroso-di-n-prop.(1)	1720	0	808.1	47	41-126
1,2,4-Trichlorobenzene	1720	0	806.4	47	38-107
4-Chloro-3-methylphenol	2580	0	1032	40	26-103
Acenaphthene	1720	0	881.6	51	31-137
4-Nitrophenol	2580	0	1130	44	11-114
2,4-Dinitrotoluene	1720	0	848.1	49	28- 89
Pentachlorophenol	2580	0	646.2	25	17-109
Pyrene	1720	189.0	1530	78	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2580	876.1	34	0	35	26- 0
2-Chlorophenol	2580	966.2	37	3	50	25-102
1,4-Dichlorobenzene	1720	663.7	39	3	27	28-104
N-Nitroso-di-n-prop.(1)	1720	793.3	46	2	38	41-126
1,2,4-Trichlorobenzene	1720	776.8	45	4	23	38-107
4-Chloro-3-methylphenol	2580	1058	41	2	33	26-103
Acenaphthene	1720	839.0	49	4	19	31-137
4-Nitrophenol	2580	1121	43	2	50	11-114
2,4-Dinitrotoluene	1720	842.8	49	0	47	28- 89
Pentachlorophenol	2580	646.7	25	0	47	17-109
Pyrene	1720	1055	50	44 *	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK6J

Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Lab File ID: 69978 Lab Sample ID: SBLK6J

Instrument ID: HP6 Date Extracted: 10/28/94

Matrix: (soil/water) WATER Date Analyzed: 11/07/94

Level: (low/med) LOW Time Analyzed: 1857

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EYM83	906211	69979	11/07/94
02	EYM84	906214	69981	11/07/94
03	EYM85	906215	69983	11/07/94
04	EYM86	906216	69984	11/07/94
05	EYM83MS	906212MS	69980	11/07/94
06	EYM83MSD	906213MSD	69982	11/07/94

COMMENTS:

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK6I

Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Lab File ID: 70199 Lab Sample ID: SBLK6I

Instrument ID: HP6 Date Extracted: 11/03/94

Matrix: (soil/water) SOIL Date Analyzed: 11/29/94

Level:(low/med) LOW Time Analyzed: 2314

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EYL77	906201	70200	11/29/94
02	EYL78	906202	70201	11/30/94
03	EYL79	906203	70202	11/30/94
04	EYL80	906206	70217	11/30/94
05	EYL81	906207	70032	11/15/94
06	EYL81RE	906207RE	70206	11/30/94
07	EYL82	906208	70207	11/30/94
08	EYL83	906209	70034	11/15/94
09	EYL83RE	906209RE	70208	11/30/94
10	EYL84	906210	70218	11/30/94
11	EYL79MS	906204MS	70203	11/30/94
12	EYL79MSD	906205MSD	70204	11/30/94

COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK6J

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: SBLK6J

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69978

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK6J

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: SBLK6J

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69978

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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	4	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK6J

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: SBLK6J

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69978

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 13429-07-7	2-Propanol, 1-(2-methoxyprop	6.18	4	JN
2.	Unknown	16.78	4	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK6I

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: SBLK6I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70199

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 7/2/1/94

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK6I

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: SBLK6I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70199

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 12/1/94

GPC Cleanup: (Y/N) Y pH: 7.0

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK6I

(.b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: SBLK6I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70199

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0~~ 0.5 12/01/94

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.23	3300	AJ
2.	Aldol condensation	4.72	70	AJ
3.	VOA TCL compound	5.87	410	J
4.	Aldol condensation	6.32	190	AJ
5.	Aldol condensation	6.43	170	AJ
6.	Unknown	6.58	110	J
7.	Aldol condensation	6.98	670	AJ
8.	Unknown	7.15	130	J
9.	Unknown	8.17	200	J
10. 65-85-0	Benzoic acid	8.30	84	JN
11. 95-16-9	Benzothiazole	9.02	130	JN
12.	Unknown	9.80	82	J
13.	Unknown	16.95	300	J
14.	Unknown	17.12	110	J
15.	Unknown column bleed	18.88	760	J
16.	Unknown	19.07	670	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL77

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70200

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2/7/94

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	360	U
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	84	J
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	360	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EYL77

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70200

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2/7/12/1/94

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	360	U
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	360	U
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	960	
120-12-7	Anthracene	230	J
86-74-8	Carbazole	83	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1800	~~E~~ 2/7/12/1/94
129-00-0	Pyrene	1900	~~E~~
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	820	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	740	
53-70-3	Dibenz(a,h)anthracene	440	
191-24-2	Benzo(g,h,i)perylene	840	

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYL77

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70200

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2 12/19/94

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.15	9100	ABJ U KM
2.	Aldol condensation	4.70	220	ABJ U 12-19
3.	Aldol condensation	5.82	660	AJ
4.	Aldol condensation	5.90	340	AJ
5.	Unknown	6.23	290	J
6.	Aldol condensation	6.32	640	ABJ U KM
7.	Aldol condensation	6.43	240	ABJ U 12-19
8.	Aldol condensation	6.97	1300	ABJ U
9.	Unknown	7.15	270	BJ U
10.	Unknown hydrocarbon	12.45	83	J
11.	Unknown PAH	14.23	220	J
12.	Unknown PAH	14.30	120	J
13.	Unknown PAH	14.45	300	J
14.	Unknown PAH	14.72	81	J
15. 84-65-1	9,10-Anthracenedione	14.78	75	JN
16.	Unknown PAH	15.03	100	J
17.	Unknown PAH	15.17	190	J
18. 5737-13-3	Cyclopenta(def)phenanthrenon	15.32	88	JN
19.	Unknown PAH	16.33	140	J
20.	Unknown	16.95	87	BJ U KM 12-19
21.	Unknown PAH	17.35	180	J
22.	Unknown PAH	18.05	140	J
23.	Unknown PAH	18.38	170	J
24.	Unknown	18.62	120	J
25.	Unknown hydrocarbon	19.30	74	J
26.	Unknown PAH	19.82	180	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL78

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70201

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~2.5~~ ~~2.2~~ 2 12/1/94

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	920	U
111-44-4	bis(2-Chloroethyl)ether	920	U
95-57-8	2-Chlorophenol	920	U
541-73-1	1,3-Dichlorobenzene	920	U
106-46-7	1,4-Dichlorobenzene	920	U
95-50-1	1,2-Dichlorobenzene	920	U
95-48-7	2-Methylphenol	920	U
108-60-1	2,2'-oxybis(1-Chloropropane)	920	U
106-44-5	4-Methylphenol	920	U
621-64-7	N-Nitroso-di-n-propylamine	920	U
67-72-1	Hexachloroethane	920	U
98-95-3	Nitrobenzene	920	U
78-59-1	Isophorone	920	U
88-75-5	2-Nitrophenol	920	U
105-67-9	2,4-Dimethylphenol	920	U
111-91-1	bis(2-Chloroethoxy)methane	920	U
120-83-2	2,4-Dichlorophenol	920	U
120-82-1	1,2,4-Trichlorobenzene	920	U
91-20-3	Naphthalene	920	U
106-47-8	4-Chloroaniline	920	U
87-68-3	Hexachlorobutadiene	920	U
59-50-7	4-Chloro-3-methylphenol	920	U
91-57-6	2-Methylnaphthalene	920	U
77-47-4	Hexachlorocyclopentadiene	920	U
88-06-2	2,4,6-Trichlorophenol	920	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	920	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	920	U
208-96-8	Acenaphthylene	920	U
606-20-2	2,6-Dinitrotoluene	920	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	920	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL78

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70201

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.5 ~~1.2~~ 12/7/94

GPC Cleanup: (Y/N) Y pH: 7.7

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	920	U
121-14-2	2,4-Dinitrotoluene	920	U
84-66-2	Diethylphthalate	920	U
7005-72-3	4-Chlorophenyl-phenylether	920	U
86-73-7	Fluorene	920	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	920	U
101-55-3	4-Bromophenyl-phenylether	920	U
118-74-1	Hexachlorobenzene	920	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	3900	~~E~~
120-12-7	Anthracene	860	J
86-74-8	Carbazole	290	J
84-74-2	Di-n-butylphthalate	920	U
206-44-0	Fluoranthene	5500	~~E~~
129-00-0	Pyrene	4700	~~E~~
85-68-7	Butylbenzylphthalate	920	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	3200	
117-81-7	bis(2-Ethylhexyl)phthalate	920	U
117-84-0	Di-n-octylphthalate	920	U
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenz(a,h)anthracene	750	J
191-24-2	Benzo(g,h,i)perylene	1300	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL78

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906202

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70201

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~2.5 1.2~~ 1

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	3.95	7300	AJ
2.	Aldol condensation	5.82	590	AJ
3.	Aldol condensation	5.90	250	AJ
4.	Unknown	6.20	390	J
5.	Aldol condensation	6.32	620	ABJ
6.	Aldol condensation	6.43	320	ABJ
7.	Aldol condensation	6.95	1200	ABJ
8.	Unknown	7.13	220	BJ
9.	Unknown PAH	14.25	210	J
10.	Unknown PAH	14.30	220	J
11.	Unknown PAH	14.43	530	J
12. 84-65-1	9,10-Anthracenedione	14.78	540	JN
13.	Unknown PAH	15.17	200	J
14.	Unknown PAH	17.35	280	J

EPA SAMPLE NO.

EYL79

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70202

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 3 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 2/3/12/94

GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000384
EPA SAMPLE NO.

EYL79

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70202

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 3 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 12/1/94

GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-methylphenol	820	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	73	J
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	140	J
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	100	J
193-39-5	Indeno(1,2,3-cd)pyrene	88	J
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	93	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL79

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70202

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 3 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 79.0/1/94

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.12	7500	ABJ U KM
2.	Aldol condensation	4.68	210	ABJ U
3.	VOA TCL compound	5.85	1000	BJ U 12-19
4.	Unknown	6.23	250	J
5.	Aldol condensation	6.32	610	ABJ U KM
6.	Aldol condensation	6.43	220	ABJ U
7.	Unknown	6.53	90	BJ U 12-19
8.	Aldol condensation	6.97	1000	ABJ U
9.	Unknown	7.13	270	BJ
10. 65-85-0	Benzoic acid	8.30	91	BJN U
11.	Unknown	12.87	90	J
12.	Unknown hydrocarbon	13.80	320	J
13.	Unknown	14.23	190	J
14.	Unknown biphenyl	15.33	2000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL80

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70217

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 12/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

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

CAS NO.	COMPOUND	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	98	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	84	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	140	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

EPA SAMPLE NO.

EYL80

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70217

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10 ~~0.5~~ 12/18/94

GPC Cleanup: (Y/N) Y pH: 7.9

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	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	360	J
120-12-7	Anthracene	130	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	130	J
206-44-0	Fluoranthene	970	
129-00-0	Pyrene	510	
85-68-7	Butylbenzylphthalate	940	
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	500	
218-01-9	Chrysene	600	
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	650	
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	430	
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	220	J

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

EYL80

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70217

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~0.5~~ 1.0 12/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	Aldol condensation	3.95	2900	ABJ U	KM
2.	Aldol condensation	4.60	130	ABJ U	12-14-
3.	Unknown	4.92	83	J	
4.	Unknown	5.75	490	J	
5.	Aldol condensation	5.85	200	AJ	
6.	Unknown	6.18	200	J	
7.	Aldol condensation	6.28	500	ABJ U	KM
8.	Aldol condensation	6.40	200	ABJ U	
9.	Unknown	6.52	150	J	
10.	Aldol condensation	6.92	910	ABJ U	12-16
11.	Unknown	7.10	250	J	
12.	Unknown	7.32	87	J	
13.	Unknown	8.27	120	J	
14.	Unknown	8.95	130	J	
15.	Unknown hydrocarbon	10.57	180	J	
16.	Unknown	11.25	85	J	
17.	Unknown hydrocarbon	11.62	77	J	
18.	Unknown hydrocarbon	12.40	210	J	
19.	Unknown	12.98	350	J	
20.	Unknown hydrocarbon	13.08	94	J	
21.	Unknown hydrocarbon	13.15	100	J	
22.	Unknown	15.27	12000	J	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL81

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70032

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2/2/1/94

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	78	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	190	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	350	U

EPA SAMPLE NO.

EYL81

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70032

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 11/21/94

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	83	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	400	
206-44-0	Fluoranthene	380	
129-00-0	Pyrene	780	
85-68-7	Butylbenzylphthalate	2800	~~E~~ 11/21/94
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	960	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	520	
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenz(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	500	

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

EYL81

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70032

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2.7/10/1/94

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.07	1300	AJ
2.	Aldol condensation	5.12	9600	AJ
3.	VOA TCL compound	5.63	140	J
4.	VOA TCL compound	6.00	180	J
5.	Aldol condensation	6.27	1100	AJ
6.	Unknown	6.62	460	J
7.	Aldol condensation	6.73	690	AJ
8.	Unknown aromatic	6.92	230	J
9.	Unknown	7.38	620	J
10.	Unknown	7.55	380	J
11.	Unknown aromatic	7.87	120	J
12.	Unknown aromatic	8.47	110	J
13.	Unknown	8.60	98	J
14.	Unknown	8.70	81	J
15.	Unknown	8.87	90	J
16.	Unknown hydrocarbon	8.98	86	J
17.	Unknown	9.55	130	J
18.	Unknown hydrocarbon	9.80	190	J
19. 90-12-0	Naphthalene, 1-methyl-	10.23	230	JN
20.	Unknown hydrocarbon	10.43	77	J
21.	Unknown PAH	10.98	140	J
22.	Unknown PAH	11.12	240	J
23.	Unknown	11.23	110	J
24.	Unknown hydrocarbon	11.40	190	J
25.	Unknown PAH	12.00	88	J
26.	Unknown hydrocarbon	12.17	170	J
27.	Unknown hydrocarbon	12.55	160	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL81RE

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70206

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 25/12/1/94

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	75	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL81RE

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70206

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 2 12/1/94

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	350	J
120-12-7	Anthracene	83	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	500	
206-44-0	Fluoranthene	530	
129-00-0	Pyrene	560	
85-68-7	Butylbenzylphthalate	3400	E
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	73	J
205-99-2	Benzo(b)fluoranthene	520	
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	330	J
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
53-70-3	Dibenz(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	320	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL81RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906207RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70206

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 12/12/94

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.12	8100	ABJ U KM 12-16
2.	VOA TCL compound	5.47	140	J
3.	Unknown	5.80	620	J
4.	Unknown	6.22	240	J
5.	Aldol condensation	6.32	640	AJ
6.	Unknown aromatic	6.48	250	J
7.	Unknown	6.55	120	J
8.	Aldol condensation	6.97	1100	ABJ U KM
9.	Unknown	7.13	340	BJ U 12-16
10.	Unknown	8.25	82	J
11.	Unknown aromatic	8.30	110	J
12.	Unknown	8.42	79	J
13.	Unknown hydrocarbon	8.53	100	J
14.	Unknown	9.00	100	J
15.	Unknown hydrocarbon	9.33	100	J
16. 90-12-0	Naphthalene, 1-methyl-	9.72	140	JN
17.	Unknown PAH	10.47	120	J
18.	Unknown PAH	10.62	320	J
19.	Unknown	10.77	140	J
20.	Unknown hydrocarbon	10.90	320	J
21.	Unknown	11.25	100	J
22.	Unknown	11.42	200	J
23.	Unknown	11.60	160	J
24.	Unknown	11.95	180	J
25.	Unknown hydrocarbon	12.03	410	J
26.	Unknown hydrocarbon	13.20	710	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906208

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70207

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 5.0 ~~2.5~~ 12/10/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
541-73-1	1,3-Dichlorobenzene	1800	U
106-46-7	1,4-Dichlorobenzene	1800	U
95-50-1	1,2-Dichlorobenzene	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-di-n-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	bis(2-Chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
120-82-1	1,2,4-Trichlorobenzene	1800	U
91-20-3	Naphthalene	510	J
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-57-6	2-Methylnaphthalene	550	J
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	4300	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	4300	U
131-11-3	Dimethylphthalate	1800	U
208-96-8	Acenaphthylene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
99-09-2	3-Nitroaniline	4300	U
83-32-9	Acenaphthene	440	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EYL82

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906208

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70207

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~5.0~~ ~~2.5~~ 2 7/12/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4300	U
100-02-7	4-Nitrophenol	4300	U
132-64-9	Dibenzofuran	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenyl-phenylether	1800	U
86-73-7	Fluorene	710	J
100-01-6	4-Nitroaniline	4300	U
534-52-1	4,6-Dinitro-2-methylphenol	4300	U
86-30-6	N-Nitrosodiphenylamine (1)	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-86-5	Pentachlorophenol	4300	U
85-01-8	Phenanthrene	3100	
120-12-7	Anthracene	630	J
86-74-8	Carbazole	440	J
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	3100	
85-68-7	Butylbenzylphthalate	920	J
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	1200	J
218-01-9	Chrysene	1500	J
117-81-7	bis(2-Ethylhexyl)phthalate	5600	
117-84-0	Di-n-octylphthalate	510	J
205-99-2	Benzo(b)fluoranthene	1400	J
207-08-9	Benzo(k)fluoranthene	1000	J
50-32-8	Benzo(a)pyrene	1100	J
193-39-5	Indeno(1,2,3-cd)pyrene	650	J
53-70-3	Dibenz(a,h)anthracene	1800	U
191-24-2	Benzo(g,h,i)perylene	640	J

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

EYL82

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906208

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70207

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~5.0~~ ~~2.5~~ 2/ 8/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	6.08	500	AJ
2.	Aldol condensation	6.20	730	AJ
3.	Unknown	6.42	780	J
4.	Unknown hydrocarbon	7.20	1100	J
5.	Unknown	7.35	630	J
6.	Unknown	7.48	610	J
7.	Unknown	7.65	1200	J
8.	Unknown	7.93	680	J
9.	Unknown	7.98	820	J
10.	Unknown	8.13	1700	J
11.	Unknown hydrocarbon	8.32	850	J
12.	Unknown hydrocarbon	8.47	580	J
13.	Unknown	8.52	410	J
14.	Unknown	8.88	1100	J
15.	Unknown hydrocarbon	8.97	2900	J
16.	Unknown hydrocarbon	9.13	1600	J
17.	Unknown	9.18	1400	J
18.	Unknown hydrocarbon	9.50	3100	J
19.	Unknown	9.80	1900	J
20.	Unknown hydrocarbon	9.97	1900	J
21.	Unknown hydrocarbon	10.22	6000	J
22.	Unknown hydrocarbon	10.63	3200	J
23.	Unknown	10.92	2100	J
24.	Unknown hydrocarbon	11.45	4400	J
25.	Unknown hydrocarbon	12.07	4300	J
26.	Unknown hydrocarbon	12.48	6100	J
27.	Unknown hydrocarbon	13.23	3600	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL83

.b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70034

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2 3/12/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-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	130	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	280	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	120	J
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70034

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 12/12/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
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	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	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	870	U
85-01-8	Phenanthrene	480	
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	520	
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	1900	~~E~~ 12/12/94
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	770	
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	980	
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	370	
193-39-5	Indeno(1,2,3-cd)pyrene	700	
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	830	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL83

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70034

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2.3/1.1/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	4.02	1200	AJ
2.	Unknown	4.37	170	J
3.	Unknown	4.70	98	J
4.	Aldol condensation	5.10	9100	AJ
5.	VOA TCL compound	5.62	200	J
6.	VOA TCL compound	6.03	170	J
7.	Unknown	6.27	1100	J
8.	Unknown	6.62	410	J
9.	Aldol condensation	6.73	620	AJ
10.	Unknown aromatic	6.92	290	J
11.	Unknown aromatic	6.98	310	J
12.	Aldol condensation	7.38	610	AJ
13.	Unknown	7.55	500	J
14.	Unknown aromatic	7.80	210	J
15.	Unknown aromatic	7.87	230	J
16.	Unknown	7.98	110	J
17.	Unknown aromatic	8.08	110	J
18.	Unknown aromatic	8.47	180	J
19.	Unknown	8.62	140	J
20.	Unknown	8.77	200	J
21.	Unknown hydrocarbon	8.98	110	J
22.	Unknown	9.42	79	J
23.	Unknown	9.48	100	J
24.	Unknown hydrocarbon	9.58	160	J
25.	Unknown hydrocarbon	9.80	400	J
26. 90-12-0	Naphthalene, 1-methyl-	10.23	330	JN
27.	Unknown	17.10	54000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL83RE

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70208

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 10/10/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-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	130	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	260	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	140	J
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL83RE

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70208

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
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	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	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	870	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	160	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	800	
206-44-0	Fluoranthene	520	
129-00-0	Pyrene	850	
85-68-7	Butylbenzylphthalate	2400	E
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	400	
117-81-7	bis(2-Ethylhexyl)phthalate	1300	
117-84-0	Di-n-octylphthalate	100	J
205-99-2	Benzo(b)fluoranthene	950	
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	470	
193-39-5	Indeno(1,2,3-cd)pyrene	420	
53-70-3	Dibenz(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	410	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYL83RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906209RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70208

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 4/10/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	Aldol condensation	4.07	7000	ABJ U	KN
2.	Aldol condensation	4.65	250	ABJ U	12-10
3.	VOA TCL compound	4.97	120	J	
4.	Unknown	5.32	110	J	
5.	Unknown	5.78	630	J	
6.	Aldol condensation	5.88	320	AJ	
7.	Unknown	6.22	250	J	
8.	Aldol condensation	6.32	650	ABJ U	KM
9.	Unknown aromatic	6.48	510	J	
10.	Unknown	6.55	470	J	
11.	Aldol condensation	6.97	1100	ABJ U	12-10
12.	Unknown	7.13	500	J	
13.	Unknown aromatic	7.37	170	J	
14.	Aldol condensation	7.43	190	AJ	
15.	Unknown aromatic	8.02	82	J	
16.	Unknown	8.18	200	J	
17.	Unknown PAH	8.32	160	J	
18.	Unknown	8.53	120	J	
19.	Unknown	9.00	270	J	
20.	Unknown hydrocarbon	9.12	100	J	
21.	Unknown hydrocarbon	9.33	310	J	
22. 90-12-0	Naphthalene, 1-methyl-	9.73	180	JN	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL84

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70218

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~0.5~~ 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	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	110	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYL84

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70218

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 2/2/1/94

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	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	93	J
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	250	J
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	1900	~~E~~ 2/2/1/94
129-00-0	Pyrene	920	
85-68-7	Butylbenzylphthalate	300	J
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	670	
218-01-9	Chrysene	810	
117-81-7	bis(2-Ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	920	
207-08-9	Benzo(k)fluoranthene	430	
50-32-8	Benzo(a)pyrene	710	
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenz(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	300	J

(1) - Cannot be separated from Diphenylamine

000655
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EYL84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 906210

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 70218

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/03/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0 0.5~~ 1.0 12/12/94

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

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	Aldol condensation	3.88	2000	ABJU	KM
2.	Unknown	5.75	650	J	
3.	Unknown	6.17	430	J	
4.	Aldol condensation	6.28	730	ABJ U	KM
5.	Unknown	6.48	370	BJ U	
6.	Aldol condensation	6.92	1200	ABJ U	12-16-
7.	Unknown	7.08	320	BJ U	
8.	Unknown	7.50	140	J	
9.	Unknown aromatic	9.53	140	J	
10.	Unknown	10.58	120	J	
11.	Unknown hydrocarbon	10.85	160	J	
12.	Unknown	11.35	85	J	
13.	Unknown hydrocarbon	11.62	120	J	
14.	Unknown hydrocarbon	11.98	120	J	
15.	Unknown	12.37	90	J	
16.	Unknown	12.60	120	J	
17.	Unknown	12.87	130	J	
18.	Unknown hydrocarbon	13.15	110	J	
19.	Unknown biphenyl	13.97	1100	J	
20.	Unknown biphenyl	14.20	980	J	
21.	Unknown biphenyl	14.42	800	J	
22.	Unknown biphenyl	14.48	1400	J	
23.	Unknown biphenyl	14.72	1500	J	
24.	Unknown biphenyl	15.23	3800	J	
25.	Unknown biphenyl	15.28	1100	J	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM83

(b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906211

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69979

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM83

(b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906211

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69979

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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 ~~3~~	BJ 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	5	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

KM 12-19-94

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906211

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69979

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown column bleed	7.22	2	J
2.	Unknown	8.15	5	J
3.	Unknown	14.73	5	J
4.	Unknown	16.35	100	J
5.	Unknown	16.78	4	J
6.	Unknown	16.95	3	J
7.	Unknown	18.23	3	J
8.	Unknown	18.65	15	J
9.	Unknown	19.42	5	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69981

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69981

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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 ~~2~~	BJ u
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	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

KM 12-19-94

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

EYM84

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906214

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69981

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	18.83	7	J
2.	Unknown	19.42	2	J
3.	Unknown	20.08	9	J
4.	Unknown	21.23	32	J

EPA SAMPLE NO.

EYM85

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906215

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69983

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

EPA SAMPLE NO.

EYM85

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

(b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906215

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69983

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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 ~~3~~	BJU KM 12-19-94
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	3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

EYM85

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906215

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69983

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.15	2	J
2.	Unknown acid	7.48	6	J
3.	Unknown	8.12	3	J
4.	Unknown	10.47	3	J
5. 57-10-3	Hexadecanoic acid	13.80	4	JN
6.	Unknown	15.07	8	J
7.	Unknown	15.18	4	J
8.	Unknown	15.33	2	J
9.	Unknown	16.30	58	J
10.	Unknown	19.40	3	J
11.	Unknown	20.10	2	J
12.	Unknown	22.83	9	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM86

.b Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69984

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EYM86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69984

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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	102	BJU
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	26	
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

KM 12-19-94

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EYM86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: _____ SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 906216

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 69984

Level: (low/med) LOW Date Received: 10/28/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 10/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown acid	7.47	2	J
2.	Unknown	8.12	2	J
3.	Unknown	10.47	4	J
4.	Unknown	12.15	2	J
5.	Unknown	13.17	3	J
6. 57-10-3	Hexadecanoic acid	13.80	4	JN
7.	Unknown	15.17	6	J
8.	Unknown	15.33	3	J
9.	Unknown	15.82	3	J
10.	Unknown	16.25	43	J
11.	Unknown	16.93	4	J
12.	Unknown aromatic	18.12	16	J
13.	Unknown	18.23	2	J
14.	Unknown	18.83	3	J

2E

WATER PESTICIDE SURROGATE RECOVERY

000914

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

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

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK1	118	113	110	104			0
02	EYM83	96	87	58*	49*			2
03	EYM84	49*	51*	33*	31*			4
04	EYM85	107	111	64	60			0
05	EYM86	122	175*	133	168*			2
06	EYM83MS	104	107	94	90			0
07	EYM83MSD	104	106	92	86			0

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

2F

SOIL PESTICIDE SURROGATE RECOVERY

C00915

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

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

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK2	85	94	111	109			0
02	EYL77	64	76	95	80			0
03	EYL78	100	107	0*	128			1
04	EYL79	76	88	149	224*			1
05	EYL80	107	118	302*	0*			2
06	EYL81	72	82	0*	141			1
07	EYL82	80	68	0*	0*			2
08	EYL83	69	75	213*	0D			1
09	EYL83DL	100	78	0D	0D			0
10	EYL84	74	73	508*	0D			1
11	EYL84DL	108	74	0D	0D			0
12	EYL79MS	62	76	134	158*			1
13	EYL79MSD	66	82	132	206*			1

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

000917

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix Spike - EPA Sample No.: EYL79

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	17.200	4.46	17.1	73	46-127
Heptachlor	17.200	0	24.3	141 *	35-130
Aldrin	17.200	0	0	0 *	34-132
Dieldrin	34.300	0	37.6	110	31-134
Endrin	34.300	0	36.0	105	42-139
4,4'-DDT	34.300	0	68.0	198 *	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS RE
gamma-BHC (Lindane)	17.200	16.6	82	12	50	46-127
Heptachlor	17.200	28.3	164 *	15	31	35-130
Aldrin	17.200	37.0	215 *	200 *	43	34-132
Dieldrin	34.300	42.0	122	10	38	31-134
Endrin	34.300	40.6	118	12	45	42-139
4,4'-DDT	34.300	86.5	258 *	26	50	23-134

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

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 6 out of 12 outside limits

COMMENTS:

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

000916

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix Spike - EPA Sample No.: EYM83

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	1.660	0	1.96	118	56-123
Heptachlor	1.660	0	1.65	99	40-131
Aldrin	1.660	0	1.73	104	40-120
Dieldrin	3.330	0	3.91	117	52-126
Endrin	3.330	0	4.26	128 *	56-121
4,4'-DDT	3.330	0	3.14	94	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	1.660	1.96	118	0	15	56-123
Heptachlor	1.660	1.58	95	4	20	40-131
Aldrin	1.660	1.55	93	11	22	40-120
Dieldrin	3.330	3.94	118	1	18	52-126
Endrin	3.330	4.43	133 *	4	21	56-121
4,4'-DDT	3.330	2.88	86	9	27	38-127

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
000918

PBLK1

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Lab Sample ID: 102894E Lab File ID:

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/28/94

Date Analyzed (1): 11/01/94 Date Analyzed (2): 11/01/94

Time Analyzed (1): 1312 Time Analyzed (2): 1238

Instrument ID (1): HP2F Instrument ID (2): HP2R

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EYM83	9062_11	11/01/94	11/01/94
02	EYM84	9062_14	11/01/94	11/01/94
03	EYM85	9062_15	11/01/94	11/01/94
04	EYM86	9062_16	11/01/94	11/01/94
05	EYM83MS	9062_12MS	11/01/94	11/01/94
06	EYM83MSD	9062_13MD	11/01/94	11/01/94

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
000919

PBLK2

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Lab Sample ID: 103194B Lab File ID:

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/31/94

Date Analyzed (1): 11/22/94 Date Analyzed (2): 11/22/94

Time Analyzed (1): 2215 Time Analyzed (2): 2141

Instrument ID (1): HP2F Instrument ID (2): HP2R

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EYL77	9062_01	11/22/94	11/22/94
02	EYL78	9062_02D5	11/22/94	11/22/94
03	EYL79	9062_03D2	11/23/94	11/23/94
04	EYL80	9062_06D5	11/23/94	11/23/94
05	EYL81	9062_07D5	11/23/94	11/23/94
06	EYL82	9062_08D5	11/23/94	11/23/94
07	EYL83	9062_09D10	11/23/94	11/23/94
08	EYL83DL	9062_09D100	11/23/94	11/23/94
09	EYL84	9062_10D10	11/23/94	11/23/94
10	EYL84DL	9062_10D100	11/23/94	11/23/94
11	EYL79MS	9062_04MS	11/23/94	11/23/94
12	EYL79MSD	9062_05MD	11/23/94	11/23/94

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET 001257

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 102894E

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

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

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 10/28/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/94

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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

001262

EPA SAMPLE NO.

PBLK2

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 103194B

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

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

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/94

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	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000920

EYL77

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_01

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

% Moisture: 9 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 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	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	5.1	P
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
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	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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000925

EYL78

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_02D5

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

% Moisture: 10 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.4	U
319-85-7	beta-BHC	9.4	U
319-86-8	delta-BHC	9.4	U
58-89-9	gamma-BHC (Lindane)	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	27	
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	94	U
53494-70-5	Endrin ketone	18	U
7421-93-4	Endrin aldehyde	18	U
5103-71-9	alpha-Chlordane	9.4	U
5103-74-2	gamma-Chlordane	9.4	U
8001-35-2	Toxaphene	940	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
~~000930~~
EYL79

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_03D2

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

% Moisture: 3 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.5	U
319-85-7	beta-BHC	3.5	U
319-86-8	delta-BHC	3.5	U
58-89-9	gamma-BHC (Lindane)	4.5	P
76-44-8	Heptachlor	3.5	U
309-00-2	Aldrin	3.5	U
1024-57-3	Heptachlor epoxide	3.5	U
959-98-8	Endosulfan I	5.3	P
60-57-1	Dieldrin	6.8	U
72-55-9	4,4'-DDE	28	P
72-20-8	Endrin	6.8	U
33213-65-9	Endosulfan II	6.8	U
72-54-8	4,4'-DDD	6.8	U
1031-07-8	Endosulfan sulfate	6.8	U
50-29-3	4,4'-DDT	6.8	U
72-43-5	Methoxychlor	35	U
53494-70-5	Endrin ketone	6.8	U
7421-93-4	Endrin aldehyde	6.8	U
5103-71-9	alpha-Chlordane	3.5	U
5103-74-2	gamma-Chlordane	3.5	U
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	68	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	68	U
53469-21-9	Aroclor-1242	68	U
12672-29-6	Aroclor-1248	750	
11097-69-1	Aroclor-1254	68	U
11096-82-5	Aroclor-1260	590	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000939
EYL80

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_06D5

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

% Moisture: 10 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.4	U
319-85-7	beta-BHC	14	P
319-86-8	delta-BHC	9.4	U
58-89-9	gamma-BHC (Lindane)	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	P
72-55-9	4,4'-DDE	72	P
72-20-8	Endrin	38	P
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	230	
72-43-5	Methoxychlor	94	U
53494-70-5	Endrin ketone	18	U
7421-93-4	Endrin aldehyde	18	U
5103-71-9	alpha-Chlordane	9.4	U
5103-74-2	gamma-Chlordane	11	P
8001-35-2	Toxaphene	940	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	1000	
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	900 ~~910~~	P

kh 11/30/94

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000948
EYL81

Lab Name: AATSLA. Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_07D5

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

% Moisture: 6 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	9.0	U
58-89-9	gamma-BHC (Lindane)	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	29	P
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	90	U
53494-70-5	Endrin ketone	18	U
7421-93-4	Endrin aldehyde	18	U
5103-71-9	alpha-Chlordane	9.0	U
5103-74-2	gamma-Chlordane	9.0	U
8001-35-2	Toxaphene	900	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	300	
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	1200	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000959

EYL82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_08D5

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

% Moisture: 7 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.1	U
319-85-7	beta-BHC	9.1	U
319-86-8	delta-BHC	9.1	U
58-89-9	gamma-BHC (Lindane)	9.1	U
76-44-8	Heptachlor	9.1	U
309-00-2	Aldrin	36	
1024-57-3	Heptachlor epoxide	9.1	U
959-98-8	Endosulfan I	15	P
60-57-1	Dieldrin	97	P
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	31	P
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	91	U
53494-70-5	Endrin ketone	18	U
7421-93-4	Endrin aldehyde	18	U
5103-71-9	alpha-Chlordane	9.1	U
5103-74-2	gamma-Chlordane	9.1	U
8001-35-2	Toxaphene	910	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	830	
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	1300	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000968
EYL83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_09D10

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

% Moisture: 8 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	18	U
319-85-7	beta-BHC	47	P
319-86-8	delta-BHC	18	U
58-89-9	gamma-BHC (Lindane)	18	U
76-44-8	Heptachlor	81	
309-00-2	Aldrin	18	U
1024-57-3	Heptachlor epoxide	18	U
959-98-8	Endosulfan I	18	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	36	U
50-29-3	4,4'-DDT	36	U
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	36	U
7421-93-4	Endrin aldehyde	36	U
5103-71-9	alpha-Chlordane	18	U
5103-74-2	gamma-Chlordane	24	P
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	730	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	3600	
11097-69-1	Aroclor-1254	360	U
11096-82-5	Aroclor-1260	4700	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000977
EYL83DL

Lab Name: AATSLA Contract: 68-D2-0028

ab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_09D100

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

% Moisture: 8 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 100

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180	U
319-85-7	beta-BHC	180	U
319-86-8	delta-BHC	180	U
58-89-9	gamma-BHC (Lindane)	180	U
76-44-8	Heptachlor	180	U
309-00-2	Aldrin	180	U
1024-57-3	Heptachlor epoxide	180	U
959-98-8	Endosulfan I	180	U
60-57-1	Dieldrin	360	U
72-55-9	4,4'-DDE	360	U
72-20-8	Endrin	360	U
33213-65-9	Endosulfan II	360	U
72-54-8	4,4'-DDD	360	U
1031-07-8	Endosulfan sulfate	360	U
50-29-3	4,4'-DDT	360	U
72-43-5	Methoxychlor	1800	U
53494-70-5	Endrin ketone	360	U
7421-93-4	Endrin aldehyde	360	U
5103-71-9	alpha-Chlordane	180	U
5103-74-2	gamma-Chlordane	180	U
8001-35-2	Toxaphene	18000	U
12674-11-2	Aroclor-1016	3600	U
11104-28-2	Aroclor-1221	7300	U
11141-16-5	Aroclor-1232	3600	U
53469-21-9	Aroclor-1242	3600	U
12672-29-6	Aroclor-1248	6800	P
11097-69-1	Aroclor-1254	3600	U
11096-82-5	Aroclor-1260	7000	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000986

EYL84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_10D10

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

% Moisture: 18 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

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	21	U
319-85-7	beta-BHC	31	P
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	100	P
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	75	P
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	40	U
72-55-9	4,4'-DDE	230	P
72-20-8	Endrin	40	U
33213-65-9	Endosulfan II	40	U
72-54-8	4,4'-DDD	40	U
1031-07-8	Endosulfan sulfate	40	U
50-29-3	4,4'-DDT	290	P
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	40	U
7421-93-4	Endrin aldehyde	40	U
5103-71-9	alpha-Chlordane	21	U
5103-74-2	gamma-Chlordane	70	P
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	400	U
11104-28-2	Aroclor-1221	820	U
11141-16-5	Aroclor-1232	400	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	9300	
11097-69-1	Aroclor-1254	400	U
11096-82-5	Aroclor-1260	4400	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
000995
EYL84DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) SOIL Lab Sample ID: 9062_10D100

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

% Moisture: 18 decanted: (Y/N) N Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/23/94

Injection Volume: 2.00 (uL) Dilution Factor: 100

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	210	U
319-85-7	beta-BHC	210	U
319-86-8	delta-BHC	210	U
58-89-9	gamma-BHC (Lindane)	210	U
76-44-8	Heptachlor	210	U
309-00-2	Aldrin	210	U
1024-57-3	Heptachlor epoxide	210	U
959-98-8	Endosulfan I	210	U
60-57-1	Dieldrin	400	U
72-55-9	4,4'-DDE	490	P
72-20-8	Endrin	400	U
33213-65-9	Endosulfan II	400	U
72-54-8	4,4'-DDD	400	U
1031-07-8	Endosulfan sulfate	400	U
50-29-3	4,4'-DDT	400	U
72-43-5	Methoxychlor	2100	U
53494-70-5	Endrin ketone	400	U
7421-93-4	Endrin aldehyde	400	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	490	
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor-1016	4000	U
11104-28-2	Aroclor-1221	8200	U
11141-16-5	Aroclor-1232	4000	U
53469-21-9	Aroclor-1242	4000	U
12672-29-6	Aroclor-1248	13000	
11097-69-1	Aroclor-1254	4000	U
11096-82-5	Aroclor-1260	8000	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001004

EYM83

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 9062_11

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

% Moisture: decanted: (Y/N) Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 10/28/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/94

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001009
EYM84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 9062_14

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

% Moisture: decanted: (Y/N) Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 10/28/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/94

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001014
EYM85

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 9062_15

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

% Moisture: decanted: (Y/N) Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 10/28/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/94

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001019

EYM86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22832 SAS No.: SDG No.: EYL77

Matrix: (soil/water) WATER Lab Sample ID: 9062_16

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

% Moisture: decanted: (Y/N) Date Received: 10/28/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 10/28/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/94

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: (2) CERCLIS No: IL

Case No: 22832 Site Name Location: Diamond Scrap

Contractor or EPA Lab: AATSLA Data User: IEPA

No. of Samples: 13 Date Sampled or Data Received: 12-5-94

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

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 13 No. of samples received: 13

Received by: Lynette Burnett Date: 12-5-94

Received by LSSS: Allison C Harvey Date: 12-5-94

Review started: 12-19-94 Reviewer Signature: K. Minnich

Total time spent on review: ~~12-21-94~~ 17 hrs Date review completed: 12-21-94

Copied by: Lynette Burnett Date: 1-12-95

Mailed to user by: Lynette Burnett Date: 1-12-95

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Data: _____

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.: 22832

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

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaHSO4
   4. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.: V

Sampling Co.: IEPA

5. Date Shipped: 10- -94

Carrier: Fed Ex

7. Date Received -- Received by: 10/28/94 Susan Stewart

Sampler (Name): Bob Casper

Airbill Number: 2318195191

Laboratory Contract Number:

Unit Price:

Sampler Signature: Bob Casper

6. Ship To: American Analytical & Technical Serv., Inc. 11970 Industrial Blvd Baton Rouge, LA 70809

ATTN: Bagamandass

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

4. Type of Activity

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

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 2	E RAS Analysis VOA	BNA	Pest/PCB	High 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 Sample Condition on Rec'd	High Conc. Phases (Check below): Solids	Water - Mis Liq.	Non Water - Mis Liq.
EYL 77	5	L	G	6	X				5-019197	X101	10-25-94-1430	BC	MEXZ77				
EYL 77	5	L	G	6	X				5-019198	X101	10/25/94-1430	BC	MEXZ77				
EYL 77	5	L	G	6		X	X		5-019199	X101	10/25/94-1430	BC	MEXZ77				
EYL 78	5	L	G	6	X				5-019200	X102	10/25/94-1615	BC	MEXZ78				
EYL 78	5	L	G	6	X				5-019201	X102	10/25/94-1615	BC	MEXZ78				
EYL 78	5	L	G	6		X	X		5-019202	X102	10/25/94-1615	BC	MEXZ78				
EYL 79	5	L	G	6	X				5-019203	X103	10/25/94-1845	BC	MEXZ79				
EYL 79	5	L	G	6	X				5-019204	X103	10/25/94-1845	BC	MEXZ79				
EYL 79	5	L	G	6		X	X		5-019205	X103	10/25/94-1845	BC	MEXZ79				

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

Page 1 of 3

Sample used for a spike and/or duplicate:

Additional Sampler Signatures:

Chain of Custody Seal Number: 149503 / 149504

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Casper	10/27/94 700				
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	
		Susan Stewart	10/28/94 8:55		

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

SDG # EYL 77

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

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

001374

Collection Requirements

O 352906

001375

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 2

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

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

3. Region No.: V
Sampling Co.: IEPA
Sampler (Name): Bob Casper
Sampler Signature: Bob Casper

4. 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

5. Date Shipped: 10-[illegible]-94
Carrier: Fed Ex
Airbill Number: 2318195191

6. Ship To: American Analytical & Technical Servs, Inc. 11950 Industriplex Blvd. Baton Rouge, LA 70809
ATTN: K. M. Bagawandoss

7. Date Received -- Received by: 10/28/94 - [signature]
Laboratory Contract Number
Unit Price
8. Transfer to
Date Received
Received by
Contract Number
Price

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High 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 Sample Condition on Rec't	L High Conc. Phases (Check below) Solids	Water - Mis Liq.	Non Water - Mis Liq.
EYL 80	5	L	G	6	X				5-019206	X104	PS 10/26/94 915	BC	MEX2 80				
EYL 80	5	L	G	6	X				5-019207	X104	PS 10/26/94 915	BC	MEX2 80				
EYL 80	5	L	G	6		X	X		5-019208	X104	PS 10/26/94 815	BC	MEX2 80				
EYL 81	5	L	G	6	X				5-019209	X105	PS 10/26/94 915	BC	MEX2 81				
EYL 81	5	L	G	6	X				5-019210	X105	PS 10/26/94 915	BC	MEX2 81				
EYL 81	5	L	G	6		X	X		5-019211	X105	PS 10/26/94 915	BC	MEX2 81				
EYL 82	5	L	G	6	X				5-019212	X106	PS 10/26/94 945	BC	MEX2 82				
EYL 82	5	L	G	6	X				5-019213	X106	PS 10/26/94 945	BC	MEX2 82				
EYL 82	5	L	G	6		X	X		5-019214	X106	PS 10/26/94 945	BC	MEX2 82				

Shipment for Case complete? (Y/N): Y
Page 2 of 3
Sample used for a spike and/or duplicate
Additional Sampler Signatures
Chain of Custody Seal Number: 149503 / 149504

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Casper	10/27/94 900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		[signature]	10/28/94 8:55		

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 - [illegible] Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SDG EYL77

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352907

Org-2

001376

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.: 22832

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

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO_3
   3. $NaHSO_4$
   4. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.: IV

Sampling Co.: IEPA

Sampler (Name): Bob Cooper

Sampler Signature: Bob Cooper

4. 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

5. Date Shipped: 10- -94

Carrier: Fed Ex

Airbill Number: 2315195191

6. Ship To: American Analytical & Technical Serv., Inc.
11950 Industriplex Blvd.
Baton Rouge, LA 70809
ATTN: K. M. Bagawandass

7. Date Received -- Received by: 10/28/94 - Susan Stewart

Laboratory Contract Number:

Unit Price:

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High 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 Sample Condition on Rec'd	L High Conc. Phases (Check below): Solids	Water – Ms Liq.	Non Water – Ms Liq.
EYL 83	5	L	G	6	X				5-019215	X107	10/26/94-1030	BC	MEX283				
EYL 83	5	L	G	6	X				5-019216	X107	10/26/94-1030	BC	MEX283				
EYL 83	5	L	G	6		X	X		5-019217	X107	10/26/94-1030	BC	MEX283				
EYL 84	5	L	G	6	X				5-019218	X108	10/26/94-1100	BC	MEX284				
EYL 84	5	L	G	6	X				5-019219	X108	10/26/94-1100	BC	MEX284				
EYL 84	5	L	G	6		X	X		5-019220	X108	10/26/94-1100	BC	MEX284				

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

Page 1 of 3

Sample used for a spike and/or duplicate:

Additional Sampler Signatures:

Chain of Custody Seal Number: 149503 / 149504

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Cooper	10/27/94				
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	
		Susan Stewart	10/28/94 8:55		

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

SDG EYL77

DISTRIBUTION: Blue - [illegible] Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - La[illegible] Copy fo[illegible] to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

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001377

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 2

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

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

3. Region No. ~~VI~~ Sampling Co. EPA

Sampler (Name) Bob Casper

Sampler Signature Bob Casper

4. 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

5. Date Shipped 10-27-94 Carrier Fed Ex

Airbill Number 2318195191

6. Ship To Amer Analytical + Tech Serv Inc 11950 Industrial Ave Blvd Baton Rouge, LA 70809
ATTN:

7. Date Received -- Received by 10/28/94 - Susan Stewart

Laboratory Contract Number

Unit Price

8. Transfer to

Date Received

Received by

Contract Number

Price

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High 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 Sample Condition on Rec't	High Conc. Phases (Check below) Solids	Water - Mis Liq.	Non Water - Mis Liq.
FYM 83	2				X				5-019309-10	G*101	10/26/94-1800	BC	MEXY 83				
FYM 83	2					X			5-019311	G*101	10/26/94-1800	BC	MEXY 83				
FYM 83	2						X		5-019312	G*101	10/26/94-1800	BC	MEXY 83				
FYM 84	2				X				5-019313-14	G*103	10/26/94-1700	BC	MEXY 84				
FYM 84	2					X			5-019315	G*103	10/26/94-1700	BC	MEXY 84				
FYM 84	2						X		5-019316	G*103	10/26/94-1700	BC	MEXY 84				
FYM 85	2				X				5-019317-18	G*104	10/26/94-1700	BC	MEXY 85				
FYM 85	2					X			5-019319	G*104	10/26/94-1700	BC	MEXY 85				
FYM 85	2						X		5-019320	G*104	10/26/94-1700	BC	MEXY 85				

Shipment for Case complete? (Y/N) Y

Page 1 of 1

Sample used for a spike and/or duplicate G*101 duplicate of G*102

Additional Sampler Signatures

Chain of Custody Seal Number 149517/149518

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Casper	10/27/94 900				
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) Susan Stewart	Date / Time 10/28/94 8:55	Remarks Is custody seal intact? Y/N/none	

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

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SDG EYL77

Split Samples ☐ Accepted (Signature) ☐ Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 352917

Org-2

44

001378

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. 22832

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

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaHSO4
   4. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.: V
Sampling Co.: EPA

Sampler (Name): [illegible]

Sampler Signature:

4. 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

5. Date Shipped: 10-27-94
Carrier: Fed Ex

Airbill Number: 2318172191

6. Ship To: Amer Analytical
[illegible]
11-[illegible] Industrial [illegible]
Baton Rouge, LA 70809
ATTN:

7. Date Received -- Received by: 10/28/94 - Susan Stewart

Laboratory Contract Number:
Unit Price:

8. Transfer to:
Date Received:

Received by:

Contract Number:
Price:

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High 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 Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water -- Mis Liq.	Non Water -- Mis Liq.
EYM86	2	L	G	1	X				5-019321-2[illegible]	G105	10/26/94-1120	B--	MEXY86				
EYM86	2	L	G	6		X			5-019323	G105	10/26/94-1120	B--	MEXY86				
EYM86	2	L	G	6			X		5-019324	G105	10/26/94-1120	B--	MEXY86				
EYM87	2	L	G	6	X				5-019325	G106	10/26/94-1130	B--	MEXY87				

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

Page 1 of 1

Sample used for a spike and/or duplicate:

Additional Sampler Signatures:

Chain of Custody Seal Number: 149519/149120

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	10/[illegible] 1900				
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) Susan Stewart	Date / Time 10/28/94 8:55	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 - [illegible] Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SDG EYL77

SDG Final Sample

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ77

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ77

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1720			P
7440-36-0	Antimony	10.3	U	N	P
7440-38-2	Arsenic	12.4			P
7440-39-3	Barium	66.6			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	3.1			P
7440-70-2	Calcium	16600			P
7440-47-3	Chromium	7.2			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	89.0			P
7439-89-6	Iron	21800			P
7439-92-1	Lead	789			P
7439-95-4	Magnesium	7590			P
7439-96-5	Manganese	219			P
7439-97-6	Mercury	0.35			CV
7440-02-0	Nickel	10.9			P
7440-09-7	Potassium	479	B		P
7782-49-2	Selenium	0.71	B		P
7440-22-4	Silver	0.91	B		P
7440-23-5	Sodium	137	B		P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	10.6	B		P
7440-66-6	Zinc	330		N	P
	Cyanide	0.32	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ78

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ78

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _89.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	2160			P
7440-36-0	Antimony_	16.3		N	P
7440-38-2	Arsenic__	20.7			P
7440-39-3	Barium__	117			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium__	15.3			P
7440-70-2	Calcium__	73200			P
7440-47-3	Chromium_	413			P
7440-48-4	Cobalt___	10.7	B		P
7440-50-8	Copper___	366			P
7439-89-6	Iron____	128000			P
7439-92-1	Lead____	543			P
7439-95-4	Magnesium	20000			P
7439-96-5	Manganese	2930			P
7439-97-6	Mercury__	0.48			CV
7440-02-0	Nickel___	408			P
7440-09-7	Potassium	646	B		P
7782-49-2	Selenium_	2.6			P
7440-22-4	Silver___	1.2	B		P
7440-23-5	Sodium___	247	B		P
7440-28-0	Thallium_	0.69	U		P
7440-62-2	Vanadium_	10.9	B		P
7440-66-6	Zinc____	1210		N	P
_____	Cyanide__	0.41	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ79

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ79

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _93.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3780			P
7440-36-0	Antimony	15.7		N	P
7440-38-2	Arsenic	10.0			P
7440-39-3	Barium	96.9			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	6.3			P
7440-70-2	Calcium	55000			P
7440-47-3	Chromium	35.1			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	176			P
7439-89-6	Iron	32700			P
7439-92-1	Lead	317			P
7439-95-4	Magnesium	24900			P
7439-96-5	Manganese	346			P
7439-97-6	Mercury	1.5			CV
7440-02-0	Nickel	40.8			P
7440-09-7	Potassium	416	U		P
7782-49-2	Selenium	0.99	B		P
7440-22-4	Silver	0.93	B		P
7440-23-5	Sodium	194	B		P
7440-28-0	Thallium	0.66	U		P
7440-62-2	Vanadium	13.9			P
7440-66-6	Zinc	754		N	P
	Cyanide	0.25	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ80

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ80

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _89.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4750			P
7440-36-0	Antimony	12.6	B	N	P
7440-38-2	Arsenic	23.4			P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	3.9			P
7440-70-2	Calcium	28300			P
7440-47-3	Chromium	21.3			P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	126			P
7439-89-6	Iron	33800			P
7439-92-1	Lead	382			P
7439-95-4	Magnesium	13400			P
7439-96-5	Manganese	357			P
7439-97-6	Mercury	0.78			CV
7440-02-0	Nickel	19.1			P
7440-09-7	Potassium	737	B		P
7782-49-2	Selenium	0.61	B		P
7440-22-4	Silver	0.85	B		P
7440-23-5	Sodium	219	B		P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	13.1			P
7440-66-6	Zinc	490		N	P
	Cyanide	0.98			AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ81

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ81

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _92.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	6550			P
7440-36-0	Antimony_	22.0		N	P
7440-38-2	Arsenic__	11.6			P
7440-39-3	Barium__	254			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium__	10.1			P
7440-70-2	Calcium__	60000			P
7440-47-3	Chromium_	49.5			P
7440-48-4	Cobalt___	9.1	B		P
7440-50-8	Copper___	288			P
7439-89-6	Iron____	88800			P
7439-92-1	Lead____	784			P
7439-95-4	Magnesium	30700			P
7439-96-5	Manganese	641			P
7439-97-6	Mercury__	1.1			CV
7440-02-0	Nickel___	65.7			P
7440-09-7	Potassium	797	B		P
7782-49-2	Selenium_	0.69	B		P
7440-22-4	Silver___	1.00	B		P
7440-23-5	Sodium___	251	B		P
7440-28-0	Thallium_	0.67	U		P
7440-62-2	Vanadium_	9.5	B		P
7440-66-6	Zinc____	1830		N	P
	Cyanide__	0.27	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ82

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ82

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _91.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4730	_		P
7440-36-0	Antimony_	19.8	_	N	P
7440-38-2	Arsenic__	10.1	_		P
7440-39-3	Barium__	219			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium__	6.8	_		P
7440-70-2	Calcium__	64300	_		P
7440-47-3	Chromium_	79.4			P
7440-48-4	Cobalt__	5.8	B		P
7440-50-8	Copper__	193	_		P
7439-89-6	Iron____	49200	_		P
7439-92-1	Lead____	605	_		P
7439-95-4	Magnesium	34700	_		P
7439-96-5	Manganese	444	_		P
7439-97-6	Mercury__	0.41	_		CV
7440-02-0	Nickel__	36.7			P
7440-09-7	Potassium	582	B		P
7782-49-2	Selenium_	0.84	B		P
7440-22-4	Silver__	0.81	U		P
7440-23-5	Sodium__	230	B		P
7440-28-0	Thallium_	0.68	U		P
7440-62-2	Vanadium_	12.8	_		P
7440-66-6	Zinc____	1120	_	N	P
	Cyanide__	0.22	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ83

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ83

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _92.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5060			P
7440-36-0	Antimony	61.8		N	P
7440-38-2	Arsenic	34.9			P
7440-39-3	Barium	285			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	13.0			P
7440-70-2	Calcium	68200			P
7440-47-3	Chromium	101			P
7440-48-4	Cobalt	8.9	B		P
7440-50-8	Copper	1810			P
7439-89-6	Iron	105000			P
7439-92-1	Lead	5250			P
7439-95-4	Magnesium	38200			P
7439-96-5	Manganese	811			P
7439-97-6	Mercury	1.5			CV
7440-02-0	Nickel	128			P
7440-09-7	Potassium	742	B		P
7782-49-2	Selenium	1.3			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	308	B		P
7440-28-0	Thallium	0.67	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	1840		N	P
	Cyanide	0.54			AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ84

Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ84

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _79.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	257000			P
7440-36-0	Antimony	136		N	P
7440-38-2	Arsenic	10.8			P
7440-39-3	Barium	462			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	80.9			P
7440-70-2	Calcium	19600			P
7440-47-3	Chromium	306			P
7440-48-4	Cobalt	10.7	B		P
7440-50-8	Copper	15100			P
7439-89-6	Iron	46600			P
7439-92-1	Lead	4590			P
7439-95-4	Magnesium	19100			P
7439-96-5	Manganese	1450			P
7439-97-6	Mercury	2.5			CV
7440-02-0	Nickel	407			P
7440-09-7	Potassium	2440	U		P
7782-49-2	Selenium	34.8			P
7440-22-4	Silver	36.0			P
7440-23-5	Sodium	269	B		P
7440-28-0	Thallium	0.78	U		P
7440-62-2	Vanadium	35.6	B		P
7440-66-6	Zinc	12100		N	P
	Cyanide	0.16	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ93

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ93

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _85.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5360			P
7440-36-0	Antimony	12.7	B	N	P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	230			P
7440-41-7	Beryllium	0.97	B		P
7440-43-9	Cadmium	5.3			P
7440-70-2	Calcium	23500			P
7440-47-3	Chromium	20.6			P
7440-48-4	Cobalt	6.2	B		P
7440-50-8	Copper	110			P
7439-89-6	Iron	17400			P
7439-92-1	Lead	264			P
7439-95-4	Magnesium	9330			P
7439-96-5	Manganese	513			P
7439-97-6	Mercury	0.65			CV
7440-02-0	Nickel	20.6			P
7440-09-7	Potassium	1720			P
7782-49-2	Selenium	1.7			P
7440-22-4	Silver	0.86	U		P
7440-23-5	Sodium	209	B		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	19.1			P
7440-66-6	Zinc	704		N	P
	Cyanide	0.77			AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ94

I Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ94

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _86.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9050			P
7440-36-0	Antimony	13.4	B	N	P
7440-38-2	Arsenic	9.0			P
7440-39-3	Barium	276			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	5.9			P
7440-70-2	Calcium	25100			P
7440-47-3	Chromium	19.3			P
7440-48-4	Cobalt	6.2	B		P
7440-50-8	Copper	391			P
7439-89-6	Iron	20400			P
7439-92-1	Lead	261			P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	496			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	39.7			P
7440-09-7	Potassium	2350			P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	0.95	B		P
7440-23-5	Sodium	420	B		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	773		N	P
	Cyanide	0.97			AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ95

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ95

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _92.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	5290			P
7440-36-0	Antimony_	10.6	B	N	P
7440-38-2	Arsenic__	9.6			P
7440-39-3	Barium___	143			P
7440-41-7	Beryllium	0.65	B		P
7440-43-9	Cadmium__	2.5			P
7440-70-2	Calcium__	14400			P
7440-47-3	Chromium_	14.0			P
7440-48-4	Cobalt___	5.7	B		P
7440-50-8	Copper___	58.6			P
7439-89-6	Iron____	17000			P
7439-92-1	Lead____	598			P
7439-95-4	Magnesium	6950			P
7439-96-5	Manganese	572			P
7439-97-6	Mercury__	0.56			CV
7440-02-0	Nickel___	14.0			P
7440-09-7	Potassium	683	B		P
7782-49-2	Selenium_	1.7			P
7440-22-4	Silver___	0.80	U		P
7440-23-5	Sodium___	159	B		P
7440-28-0	Thallium_	0.67	U		P
7440-62-2	Vanadium_	19.3			P
7440-66-6	Zinc____	401		N	P
_____	Cyanide__	0.13	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

MEXZ96

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ96

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _77.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	2190			P
7440-36-0	Antimony_	13.0	B	N	P
7440-38-2	Arsenic__	2.8			P
7440-39-3	Barium___	13.1	B		P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium__	0.96	U		P
7440-70-2	Calcium__	41100			P
7440-47-3	Chromium_	7.5			P
7440-48-4	Cobalt___	1.9	B		P
7440-50-8	Copper___	16.8			P
7439-89-6	Iron____	8980			P
7439-92-1	Lead____	24.6			P
7439-95-4	Magnesium	20700			P
7439-96-5	Manganese	263			P
7439-97-6	Mercury__	0.06	U		CV
7440-02-0	Nickel___	8.2	B		P
7440-09-7	Potassium	506	U		P
7782-49-2	Selenium_	0.65	B		P
7440-22-4	Silver___	0.96	U		P
7440-23-5	Sodium___	254	B		P
7440-28-0	Thallium_	0.81	U		P
7440-62-2	Vanadium_	12.3	B		P
7440-66-6	Zinc____	101		N	P
	Cyanide__	0.15	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

MEXZ97

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ97

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _82.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4800			P
7440-36-0	Antimony	19.9		N	P
7440-38-2	Arsenic	7.1			P
7440-39-3	Barium	40.5	B		P
7440-41-7	Beryllium	9.2			P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	61500			P
7440-47-3	Chromium	32.0			P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	990			P
7439-89-6	Iron	26200			P
7439-92-1	Lead	302			P
7439-95-4	Magnesium	33600			P
7439-96-5	Manganese	834			P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	55.7			P
7440-09-7	Potassium	779	B		P
7782-49-2	Selenium	0.87	B		P
7440-22-4	Silver	0.96	B		P
7440-23-5	Sodium	2200			P
7440-28-0	Thallium	0.76	U		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	5810		N	P
	Cyanide	0.15	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

MEXZ85

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ85

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23700			P
7440-36-0	Antimony	52.8	U	*	P
7440-38-2	Arsenic	36.1		*	P
7440-39-3	Barium	717			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	67.1			P
7440-70-2	Calcium	43500			P
7440-47-3	Chromium	375		*	P
7440-48-4	Cobalt	30.2	B		P
7440-50-8	Copper	4380		*	P
7439-89-6	Iron	160000			P
7439-92-1	Lead	3160			P
7439-95-4	Magnesium	17400			P
7439-96-5	Manganese	1570			P
7439-97-6	Mercury	17.4			CV
7440-02-0	Nickel	268		N	P
7440-09-7	Potassium	446	U		P
7782-49-2	Selenium	14.4		*	P
7440-22-4	Silver	4.2	U		P
7440-23-5	Sodium	345	B		P
7440-28-0	Thallium	11.3			P
7440-62-2	Vanadium	18.0	B		P
7440-66-6	Zinc	9630			P
	Cyanide	2.3		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ86

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ86

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _90.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11400			P
7440-36-0	Antimony	27.9		*	P
7440-38-2	Arsenic	15.6		*	P
7440-39-3	Barium	461			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	22.1			P
7440-70-2	Calcium	70700			P
7440-47-3	Chromium	157		*	P
7440-48-4	Cobalt	16.0			P
7440-50-8	Copper	29100		*	P
7439-89-6	Iron	100000			P
7439-92-1	Lead	2190			P
7439-95-4	Magnesium	38800			P
7439-96-5	Manganese	891			P
7439-97-6	Mercury	8.2			CV
7440-02-0	Nickel	133		N	P
7440-09-7	Potassium	429	U		P
7782-49-2	Selenium	5.8		*	P
7440-22-4	Silver	5.2			P
7440-23-5	Sodium	367	B		P
7440-28-0	Thallium	6.5			P
7440-62-2	Vanadium	7.5	B		P
7440-66-6	Zinc	5270			P
	Cyanide	2.1		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ87

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ87

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _95.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27500			P
7440-36-0	Antimony	17.8		*	P
7440-38-2	Arsenic	20.5		*	P
7440-39-3	Barium	372			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	17.3			P
7440-70-2	Calcium	22000			P
7440-47-3	Chromium	96.3		*	P
7440-48-4	Cobalt	9.7	B		P
7440-50-8	Copper	2410		*	P
7439-89-6	Iron	63700			P
7439-92-1	Lead	915			P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	2.0			CV
7440-02-0	Nickel	169		N	P
7440-09-7	Potassium	407	U		P
7782-49-2	Selenium	2.6		*	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	295	B		P
7440-28-0	Thallium	4.5			P
7440-62-2	Vanadium	8.1	B		P
7440-66-6	Zinc	3660			P
	Cyanide	1.7		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ88

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ88

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _89.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000			P
7440-36-0	Antimony	51.4	U	*	P
7440-38-2	Arsenic	32.7		*	P
7440-39-3	Barium	540			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	72.1			P
7440-70-2	Calcium	47400			P
7440-47-3	Chromium	445		*	P
7440-48-4	Cobalt	30.3	B		P
7440-50-8	Copper	2890		*	P
7439-89-6	Iron	229000			P
7439-92-1	Lead	2760			P
7439-95-4	Magnesium	23600			P
7439-96-5	Manganese	2380			P
7439-97-6	Mercury	20.5			CV
7440-02-0	Nickel	339		N	P
7440-09-7	Potassium	434	U		P
7782-49-2	Selenium	10.4		*	P
7440-22-4	Silver	4.7	B		P
7440-23-5	Sodium	324	B		P
7440-28-0	Thallium	14.5			P
7440-62-2	Vanadium	3.4	U		P
7440-66-6	Zinc	7590			P
	Cyanide	4.8		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ89

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ89

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _93.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170			P
7440-36-0	Antimony	9.9	U	*	P
7440-38-2	Arsenic	2.6		*	P
7440-39-3	Barium	13.7	B		P
7440-41-7	Beryllium	0.04	U		P
7440-43-9	Cadmium	0.79	U		P
7440-70-2	Calcium	1390			P
7440-47-3	Chromium	4.5		*	P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	10.7		*	P
7439-89-6	Iron	5720			P
7439-92-1	Lead	10.7			P
7439-95-4	Magnesium	905	B		P
7439-96-5	Manganese	52.0			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	4.6	B	N	P
7440-09-7	Potassium	419	U		P
7782-49-2	Selenium	0.88	B	*	P
7440-22-4	Silver	0.85	B		P
7440-23-5	Sodium	61.2	B		P
7440-28-0	Thallium	0.67	U		P
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	46.0			P
	Cyanide	0.46	B	*	AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ90

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ90

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _88.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9810			P
7440-36-0	Antimony	14.3		*	P
7440-38-2	Arsenic	17.6		*	P
7440-39-3	Barium	243			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	29.5			P
7440-70-2	Calcium	61500			P
7440-47-3	Chromium	187		*	P
7440-48-4	Cobalt	14.3			P
7440-50-8	Copper	1420		*	P
7439-89-6	Iron	146000			P
7439-92-1	Lead	2070			P
7439-95-4	Magnesium	30800			P
7439-96-5	Manganese	1410			P
7439-97-6	Mercury	8.0			CV
7440-02-0	Nickel	118		N	P
7440-09-7	Potassium	567	B		P
7782-49-2	Selenium	5.4		*	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	340	B		P
7440-28-0	Thallium	8.8			P
7440-62-2	Vanadium	20.1			P
7440-66-6	Zinc	2560			P
	Cyanide	0.83		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ91

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ91

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _86.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18900			P
7440-36-0	Antimony	53.3	U	*	P
7440-38-2	Arsenic	62.9		*	P
7440-39-3	Barium	2550			P
7440-41-7	Beryllium	0.76	B		P
7440-43-9	Cadmium	71.0			P
7440-70-2	Calcium	40200			P
7440-47-3	Chromium	182		*	P
7440-48-4	Cobalt	39.9	B		P
7440-50-8	Copper	4000		*	P
7439-89-6	Iron	163000			P
7439-92-1	Lead	5970			P
7439-95-4	Magnesium	20700			P
7439-96-5	Manganese	2060			P
7439-97-6	Mercury	10.5			CV
7440-02-0	Nickel	307		N	P
7440-09-7	Potassium	1190			P
7782-49-2	Selenium	15.4		*	P
7440-22-4	Silver	4.3	U		P
7440-23-5	Sodium	728	B		P
7440-28-0	Thallium	9.2			P
7440-62-2	Vanadium	5.0	B		P
7440-66-6	Zinc	31900			P
	Cyanide	1.4		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXZ92

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Matrix (soil/water): SOIL_ Lab Sample ID: MEXZ92

Level (low/med): LOW__ Date Received: 10/29/94

% Solids: _84.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	13.4	B	*	P
7440-38-2	Arsenic	17.3		*	P
7440-39-3	Barium	372			P
7440-41-7	Beryllium	0.89	B		P
7440-43-9	Cadmium	14.0			P
7440-70-2	Calcium	35100			P
7440-47-3	Chromium	47.4		*	P
7440-48-4	Cobalt	10.6	B		P
7440-50-8	Copper	1770		*	P
7439-89-6	Iron	39000			P
7439-92-1	Lead	875			P
7439-95-4	Magnesium	18300			P
7439-96-5	Manganese	728			P
7439-97-6	Mercury	2.1			CV
7440-02-0	Nickel	49.1		N	P
7440-09-7	Potassium	1410			P
7782-49-2	Selenium	4.1		*	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	567	B		P
7440-28-0	Thallium	2.3	B		P
7440-62-2	Vanadium	20.6			P
7440-66-6	Zinc	1870			P
	Cyanide	1.7		*	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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3
BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	24.9	U	24.9	U	24.9	U	32.1	B	4.980	U	P
Antimony	46.2	U	46.2	U	46.2	U	46.2	U	9.240	U	P
Arsenic	2.0	U	2.8	B	2.4	B	2.0	U	0.400	U	P
Barium	-1.0	B	0.4	U	0.4	U	0.4	U	-0.104	B	P
Beryllium	-0.5	B	0.8	B	0.7	B	1.2	B	-0.094	B	P
Cadmium	3.7	U	3.7	U	3.7	U	3.7	U	0.740	U	P
Calcium	-119.5	B	-91.8	B	-104.5	B	-92.6	B	-16.312	B	P
Chromium	3.4	U	3.4	U	3.4	U	3.4	U	0.680	U	P
Cobalt	3.2	U	3.2	U	3.2	U	3.2	U	0.640	U	P
Copper	-4.2	B	-3.3	B	-5.2	B	-6.5	B	0.500	U	P
Iron	-18.0	B	11.4	U	19.7	B	22.5	B	2.280	U	P
Lead	0.8	U	1.5	B	0.8	U	1.5	B	0.160	U	P
Magnesium	44.9	U	-55.5	B	-98.2	B	-91.4	B	8.980	U	P
Manganese	0.7	U	0.8	B	0.9	B	1.0	B	0.140	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	15.5	U	15.5	U	15.5	U	15.5	U	3.100	U	P
Potassium	1950.0	U	-2198.2	B	1950.0	U	1950.0	U	390.000	U	P
Selenium	2.7	B	2.2	B	2.0	U	2.0	U	0.884	B	P
Silver	3.7	U	3.7	U	3.7	U	3.7	U	0.740	U	P
Sodium	42.4	U	42.4	U	42.4	U	42.4	U	9.436	B	P
Thallium	3.1	U	3.1	U	3.1	U	3.1	U	0.620	U	P
Vanadium	3.1	U	3.1	U	3.1	U	3.1	U	0.620	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	1.160	U	P
Cyanide	3.6	B	7.7	B	7.3	B	6.6	B	0.343	B	AS

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3
BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXZ85

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	24.9	U	24.9	U	24.9	U	24.9	U			P
Antimony	46.2	U	46.2	U	46.2	U	46.2	U			P
Arsenic			2.0	U	2.0	U	2.0	U			P
Barium	0.4	U	1.0	B	0.4	U	0.8	B			P
Beryllium	0.4	B	0.9	B	0.8	B	0.9	B			P
Cadmium	3.7	U	3.7	U	3.7	U	3.7	U			P
Calcium	20.6	U	25.8	B	20.6	U	20.6	U			P
Chromium	3.4	U	3.4	U	3.4	U	3.4	U			P
Cobalt	3.2	U	3.2	U	3.2	U	3.9	B			P
Copper	2.5	U	2.5	U	2.5	U	2.5	U			P
Iron	11.4	U	19.0	B	11.4	U	11.4	U			P
Lead			1.0	B	0.9	B	0.8	U			P
Magnesium	44.9	U	44.9	U	-60.8	B	44.9	U			P
Manganese	0.7	U	1.0	B	0.7	U	0.7	U			P
Mercury	-0.1	B	-0.1	B	-0.1	B			-0.058	B	CV
Nickel	15.5	U	15.5	U	15.5	U	15.5	U			P
Potassium	1950.0	U	1950.0	U	1950.0	U	1950.0	U			P
Selenium			3.2	B	4.4	B	2.5	B			P
Silver	3.7	U	-4.2	B	3.7	U	3.7	U			P
Sodium											NR
Thallium			3.1	U	3.1	U	3.1	U			P
Vanadium	3.1	U	3.1	U	3.1	U	3.1	U			P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Cyanide											NR

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY83

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER Lab Sample ID: MEXY83

Level (low/med): LOW__ Date Received: 10/28/94

% 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_	24.9	U		P
7440-36-0	Antimony_	46.2	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	36.6	B		P
7440-41-7	Beryllium	0.63	B		P
7440-43-9	Cadmium__	3.7	U		P
7440-70-2	Calcium__	48100			P
7440-47-3	Chromium_	3.4	U		P
7440-48-4	Cobalt___	3.2	U		P
7440-50-8	Copper___	13.3	B		P
7439-89-6	Iron____	56.4	B		P
7439-92-1	Lead____	1.8	B		P
7439-95-4	Magnesium	20400			P
7439-96-5	Manganese	4.9	B		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	15.5	U		P
7440-09-7	Potassium	1950	U		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	3.7	U		P
7440-23-5	Sodium___	49800			P
7440-28-0	Thallium_	3.1	U		P
7440-62-2	Vanadium_	5.8	B		P
7440-66-6	Zinc____	18.3	B		P
	Cyanide__	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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3
BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			24.9	U	24.9	U					P
Antimony			46.2	U	46.2	U					P
Arsenic											NR
Barium			0.8	B	1.0	B					P
Beryllium			0.8	B	1.1	B					P
Cadmium			3.7	U	3.7	U					P
Calcium			20.6	U	20.6	U					P
Chromium			3.4	U	3.4	U					P
Cobalt			3.2	U	3.2	U					
Copper			2.5	U	3.0	B					
Iron			11.4	U	18.1	B					P
Lead											NR
Magnesium			44.9	U	44.9	U					P
Manganese			0.7	U	0.8	B					P
Mercury			0.1	U	0.1	U					CV
Nickel			15.5	U	15.5	U					P
Potassium			1950.0	U	1950.0	U					P
Selenium											NR
Silver			3.7	U	3.7	U					P
Sodium			42.4	U							P
Thallium											NR
Vanadium			3.1	U	3.1	U					P
Zinc			5.8	U	5.8	U			5.800	U	P
Cyanide											NR

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BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U			P
Cyanide											NR

FORM III - IN ILM03.0

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BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											
Copper											
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc			5.8	U							P
Cyanide											NR

FORM III - IN ILM03.0

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEXY83S

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2046.9900		24.9000	U	2000.00	102.3		P
Antimony	75-125	542.9900		46.2000	U	500.00	108.6		P
Arsenic	75-125	2272.9400		2.0000	U	2000.00	113.6		P
Barium	75-125	2005.7900		36.6100	B	2000.00	98.5		P
Beryllium	75-125	54.1500		0.6300	B	50.00	107.0		P
Cadmium	75-125	44.9200		3.7000	U	50.00	89.8		P
Calcium									NR
Chromium	75-125	202.3500		3.4000	U	200.00	101.2		P
Cobalt	75-125	506.5600		3.2000	U	500.00	101.3		P
Copper	75-125	273.9500		13.3400	B	250.00	104.2		P
Iron	75-125	1086.4000		56.4400	B	1000.00	103.0		P
Lead	75-125	497.9800		1.8300	B	500.00	99.2		P
Magnesium									NR
Manganese	75-125	511.4000		4.8900	B	500.00	101.3		P
Mercury	75-125	0.8970		0.1000	U	1.00	89.7		CV
Nickel	75-125	535.3500		15.5000	U	500.00	107.1		P
Potassium									NR
Selenium	75-125	2234.7100		2.0000	U	2000.00	111.7		P
Silver	75-125	48.2400		3.7000	U	50.00	96.5		P
Sodium									NR
Thallium	75-125	2009.1300		3.1000	U	2000.00	100.5		P
Vanadium	75-125	522.4000		5.8500	B	500.00	103.3		P
Zinc	75-125	549.8800		18.2600	B	500.00	106.3		P
Cyanide	75-125	87.3416		1.2000	U	100.00	87.3		AS

Comments:

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DUPLICATES

EPA SAMPLE NO.

MEXY83D

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		24.9000	U	24.9000	U			P
Antimony		46.2000	U	51.5200	B	200.0		P
Arsenic		2.0000	U	2.0000	U			P
Barium		36.6100	B	36.7400	B	0.4		P
Beryllium		0.6300	B	0.2000	U	200.0		P
Cadmium		3.7000	U	3.7000	U			P
Calcium		48072.2500		48245.2900		0.4		P
Chromium		3.4000	U	3.4000	U			P
Cobalt		3.2000	U	3.2000	U			P
Copper		13.3400	B	11.8700	B	11.7		P
Iron		56.4400	B	47.9800	B	16.2		P
Lead		1.8300	B	1.9700	B	7.4		P
Magnesium	5000.0	20414.1400		20469.6800		0.3		P
Manganese		4.8900	B	4.9100	B	0.4		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		15.5000	U	15.5000	U			P
Potassium		1950.0000	U	2571.3600	B	200.0		P
Selenium		2.0000	U	2.0000	U			P
Silver		3.7000	U	3.7000	U			P
Sodium		49835.3300		50259.1200		0.8		P
Thallium		3.1000	U	3.1000	U			P
Vanadium		5.8500	B	7.7900	B	28.4		P
Zinc		18.2600	B	19.4500	B	6.3		P
Cyanide		1.2000	U	2.4000	U			AS

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Instrument Detection Limits (Quarterly)

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

ICP ID Number: TJA1100_____ Date: 10/01/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	24.9	P
Antimony	206.84		60	46.2	P
Arsenic			10		NR
Barium	455.40		200	0.4	P
Beryllium	313.24		5	0.2	P
Cadmium	228.80		5	3.7	P
Calcium	393.37		5000	20.6	P
Chromium	267.72		10	3.4	P
Cobalt	228.61		50	3.2	P
Copper	324.75		25	2.5	P
Iron	259.94		100	11.4	P
Lead			3		NR
Magnesium	279.55		5000	44.9	P
Manganese	257.61		15	0.7	P
Mercury			0.2		NR
Nickel	231.60		40	15.5	P
Potassium	766.49		5000	1950.0	P
Selenium			5		NR
Silver	328.07		10	3.7	P
Sodium	589.00		5000	42.4	P
Thallium			10		NR
Vanadium	292.40		50	3.1	P
Zinc	213.86		20	5.8	P

Comments:

FORM X - IN ILM03.0

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Instrument Detection Limits (Quarterly)

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

ICP ID Number: _____ Date: 10/01/94

Flame AA ID Number : PS200_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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Instrument Detection Limits (Quarterly)

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

ICP ID Number: _____ Date: 10/01/94

Flame AA ID Number : TRAACS_800__

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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Instrument Detection Limits (Quarterly)

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

ICP ID Number: TJA61E_____ Date: 09/25/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic	193.70		10	2.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	0.8	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	196.03		5	2.0	P
Silver			10		NR
Sodium			5000		NR
Thallium	190.80		10	3.1	P
Vanadium			50		NR
Zinc			20		NR

Comments:

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 11/23/94 End Date: 11/23/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1140		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
S	1.00	1143			X	-	X	X	X		X	X	X		-		X	-	X		-	X	-	-	X	X	-
S	1.00	1145		X		-				X				X	-	X		-		X	-		-	-			-
S	1.00	1148			-	-	-	-	-		-	-	-		-		-	-	-		-	-	-	-	-	-	-
ICV	1.00	1151		X	-	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
ICV	1.00	1154			X	-									-			-			-		-	-			-
ICB	1.00	1157		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CRI	1.00	1200			X	-		X	X		X	X	X		-		X	-	X		-	X	-	-	X	X	-
ICSA	1.00	1203		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
ICSAB	1.00	1205		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCV	1.00	1208		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCB	1.00	1211		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
ZZZZZZ	1.00	1214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1217		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1223		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1226		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1228		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1231		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1234		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	5.00	1237		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1240		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCB	1.00	1243		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
ZZZZZZ	1.00	1246		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1249		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1251		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1254		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1257		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1303		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRI	1.00	1306		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICSA	1.00	1309		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 11/23/94 End Date: 11/23/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ICSAB	1.00	1312		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1314		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCB	1.00	1317		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
PBW	1.00	1329		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
LCSW	1.00	1331		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
MEXY83	1.00	1334		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
MEXY83S	1.00	1337		X	X	-	X	X	X		X	X	X	X	-		X	-	X		-	X	-	-	X	X	-
MEXY83D	1.00	1340		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
MEXY83L	5.00	1343		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
MEXY84	1.00	1346		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X		-
MEXY85	1.00	1349		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	-	-
MEXY88	1.00	1352		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	-	-
CCV	1.00	1354		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCB	1.00	1357		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CRI	1.00	1400			X	-		X	X		X	X	X		-		X	-	X		-	X	-	-	X		-
ICSA	1.00	1403		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X		-
ICSAB	1.00	1406		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCV	1.00	1409		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-
CCB	1.00	1412		X	X	-	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	-	-	X	X	-

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 12/07/94 End Date: 12/07/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	C N
S0	1.00	1455																								X	
S	1.00	1458																								X	
S	1.00	1503																									
S	1.00	1505																									
ICV	1.00	1508																								X	
ICB	1.00	1511																								X	
CRI	1.00	1514																								X	
ICSA	1.00	1517																								X	
ICSAB	1.00	1520																								X	
CCV	1.00	1523																								X	
CCB	1.00	1526																								X	
ZZZZZZ	1.00	1528																									
ZZZZZZ	1.00	1531																									
ZZZZZZ	1.00	1534																									
ZZZZZZ	1.00	1537																									
ZZZZZZ	1.00	1540																									
ZZZZZZ	5.00	1543																									
ZZZZZZ	1.00	1546																									
ZZZZZZ	1.00	1549																									
CCV	1.00	1552																								X	
CCB	1.00	1554																								X	
ZZZZZZ	1.00	1557																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1603																									
ZZZZZZ	1.00	1606																									
ZZZZZZ	1.00	1609																									
ZZZZZZ	1.00	1612																									
ZZZZZZ	5.00	1615																									
CCV	1.00	1617																								X	
CCB	1.00	1620																								X	
PBW	1.00	1623																								X	
LCSW	1.00	1626																								X	

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 12/07/94 End Date: 12/07/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MEXY84	1.00	1629		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
MEXY85	1.00	1632		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
MEXY88	1.00	1635		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
CRI	1.00	1638		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
ICSA	1.00	1641		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
ICSAB	1.00	1643		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
CCV	1.00	1646		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-
CCB	1.00	1649		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 12/14/94 End Date: 12/14/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1848																					X				
S	1.00	1851																									
S	1.00	1854																					X				
S	1.00	1857																									
ICV	1.00	1900																					X				
ICB	1.00	1902																					X				
ICSA	1.00	1906																					X				
ICSAB	1.00	1909																					X				
CCV	1.00	1912																					X				
CCB	1.00	1914																					X				
ZZZZZZ	1.00	1917																									
ZZZZZZ	1.00	1920																									
ZZZZZZ	1.00	1923																									
ZZZZZZ	1.00	1926																									
ZZZZZZ	1.00	1929																									
ZZZZZZ	1.00	1932																									
ZZZZZZ	1.00	1935																									
ZZZZZZ	1.00	1938																									
ZZZZZZ	5.00	1940																									
CCV	1.00	1943																					X				
CCB	1.00	1946																					X				
ZZZZZZ	1.00	1949																									
ZZZZZZ	1.00	1952																									
ZZZZZZ	1.00	1955																									
ZZZZZZ	1.00	1958																									
ZZZZZZ	1.00	2001																									
ZZZZZZ	1.00	2004																									
ZZZZZZ	1.00	2006																									
PBW	1.00	2009																					X				
LCSW	1.00	2012																					X				
CCV	1.00	2015																					X				
CCB	1.00	2018																					X				

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA1100_____ Method: P_

Start Date: 12/14/94 End Date: 12/14/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MEXY83	1.00	2021		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
MEXY83D	1.00	2024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
MEXY83L	5.00	2027		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
MEXY84	1.00	2029		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
MEXY85	1.00	2032		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
MEXY88	1.00	2035		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
ICSA	1.00	2038		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
ICSAB	1.00	2041		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
CCV	1.00	2044		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
CCB	1.00	2047		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: PS200_____ Method: CV

Start Date: 11/22/94 End Date: 11/22/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1225		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S0.5	1.00	1227		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S1	1.00	1230		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S2	1.00	1232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S5	1.00	1235		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
S10	1.00	1238		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICV	1.00	1241		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB	1.00	1243		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CRA	1.00	1246		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1248		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1251		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1253		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1255		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1257		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1302		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1304		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1306		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1309		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1311		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1313		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1316		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1318		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1320		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1323		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1325		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1327		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1329		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1332		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1334		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1336		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1338		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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FORM XIV - IN ILM03.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: PS200_____ Method: CV

Start Date: 11/22/94 End Date: 11/22/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1341		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1343		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1345		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1348		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
PBW	1.00	1350		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1352		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1354		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1357		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1359		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1401		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1403		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1406		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1408		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1410		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1413		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY83	1.00	1415		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY83D	1.00	1417		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY83S	1.00	1420		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY84	1.00	1422		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY85	1.00	1424		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
MEXY88	1.00	1427		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1429		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1431		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
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FORM XIV - IN ILM03.0

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TRAACS 800___ Method: AS

Start Date: 11/08/94 End Date: 11/08/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	2133		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S10	1.00	2134		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S20	1.00	2135		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S100	1.00	2136		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S200	1.00	2137		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S300	1.00	2138		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S400	1.00	2139		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
S500	1.00	2140		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
ICV	1.00	2141		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
ICB	1.00	2142		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCV	1.00	2143		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCB	1.00	2144		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
ZZZZZZ	1.00	2145		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2146		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2147		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2148		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2149		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2150		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2151		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2153		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2154		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	2155		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
CCB	1.00	2156		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
PBW	1.00	2157		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
LCSW	1.00	2158		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY83	1.00	2159		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY83D	1.00	2200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY83S	1.00	2201		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY84	1.00	2202		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY85	1.00	2203		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
MEXY88	1.00	2204		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TRAACS 800___ Method: AS

Start Date: 11/08/94 End Date: 11/08/94

EPA Sample No.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	2205																									X
CCB	1.00	2206																									X

FORM XIV - IN ILM03.0

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.:MEXY83

Instrument ID Number: TJA61E_____ Method: P_

Start Date: 12/13/94 End Date: 12/13/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1455				X									X						X			X			
S	1.00	1500				X									X						X			X			
S	1.00	1504																									
S	1.00	1507																									
ICV	1.00	1510				X															X						
ICV	1.00	1514													X									X			
ICB	1.00	1518				X									X						X			X			
CRI	1.00	1522				X									X						X			X			
ICSA	1.00	1528				X									X						X			X			
ICSAB	1.00	1534				X									X						X			X			
CCV	1.00	1538				X									X						X			X			
CCB	1.00	1542				X									X						X			X			
PBW	1.00	1546				X									X						X			X			
LCSW	1.00	1550				X															X						
CSW	1.00	1554													X									X			
MEXY83	1.00	1558				X									X						X			X			
MEXY83S	1.00	1602				X									X						X			X			
MEXY83D	1.00	1606				X									X						X			X			
MEXY83L	5.00	1610				X									X						X			X			
CCV	1.00	1614				X									X						X			X			
CCB	1.00	1619				X									X						X			X			
MEXY84	1.00	1623				X									X						X			X			
MEXY85	1.00	1627				X									X						X			X			
MEXY88	1.00	1631				X									X						X			X			
CRI	1.00	1635				X									X						X			X			
ICSA	1.00	1639				X									X						X			X			
ICSAB	1.00	1643				X									X						X			X			
CCV	1.00	1647				X									X						X			X			
CCB	1.00	1651				X									X						X			X			

FORM XIV - IN ILM03.0

North Cadar 4'2.

EPA

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22 x 32

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

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

3. Region No.: V

Sampling Co.: JsPA

Sampler (Name): Bob Cooper

Sampler Signature: Bob Cooper

4. Type of Activity

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

5. Date Shipped: 10-27-94

Carrier: Fed Ex

Airbill Number: 2318195154

6. Ship To: JT St. Louis Lab, 13715 Rider Trail North, Earth City, MO 63045

ATTN:

7. Date Received -- Received by: 10-28-94 Fred Mitchell

Laboratory Contract Number: 68D30049

Unit Price: 30 10.50 Bowen

8. Transfer to

Date Received

Received by

Contract Number

Price

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - Mis Liq.	Non Water - Mis Liq.
MEXY 83	2	L	G	2	X					7		5-019291	G101	10/20/94-1100	BC	EYM83				
MEXY 83	2	L	G	3			X			12		5-019292	G101	10/20/94-1100	BC	EYM83				
MEXY 84	2	L	G	2	X					1		5-019293	G103	10/20/94-1200	BC	EYM84				
MEXY 84	2	L	G	3			X			12		5-019294	G103	10/20/94-1200	BC	EYM84				
MEXY 85	2	L	G	2	X					1		5-019295	G104	10/20/94-1300	BC	EYM85				
MEXY 85	2	L	G	3			X			12		5-019296	G104	10/20/94-1300	BC	EYM85				
MEXY 88	2	L	G	2	X					1		5-019326	G105	10/20/94-1420	BC	EYM88				
MEXY 88	2	L	G	3			X			12		5-019327	G105	10/20/94-1420	BC	EYM88				

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

Page 1 of 1

Sample used for a spike and/or duplicate: G101 duplicate at G102

Additional Sampler Signatures

Chain of Custody Seal Number: 149521 / 149522

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Cooper	10/27/94 900				
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	
	10-28-94 15:05	Fred Mitchell			

Split Samples: ☐ Accepted (Signature) ☐ Declined

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

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

Inorg-2

00321

100 % Final 168 Poly

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

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22832

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
		V	IEPA	10- -94	Fed Ex

Regional Information: TFA-102

Sampler (Name): Bob Cooper

Airbill Number: 2318195154

Non-Superfund Program

Sampler Signature: Bob Cooper

5. Ship To: IT- St. Louis Laboratory, 13715 Rider Trail North, Earth City, MO 63045

ATTN: Larry Tanke

Site Name: Diamond Scrap

City, State: Waukegan, IL

Site Spill ID: 22

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)
MEX285	5	L	G	6	X		X					5-019221	X 109	10/26/94-1130	BC	EYL85	—
MEX286	5	L	G	6	X		X					5-019222	X 110	10/26/94-1145	BC	EYL86	—
MEX287	5	L	G	6	X		X					5-019223	X 111	10/26/94-1200	BC	EYL87	—
MEX288	5	L	G	6	X		X					5-019224	X 112	10/26/94-1300	BC	EYL88	—
MEX289	5	L	G	6	X		X					5-019225	X 113	10/26/94-1330	BC	EYL89	—
MEX290	5	L	G	6	X		X					5-019226	X 114	10/26/94-1415	BC	EYL90	—
MEX291	5	L	G	6	X		X					5-019227	X 115	10/26/94-1445	BC	EYL91	—
MEX292	5	L	G	6	X		X					5-019228	X 116	10/26/94-1545	BC	EYL92	—

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

Page 1 of 1

Sample used for a spike and/or duplicate

Additional Sampler Signatures

Chain of Custody Seal Number: 149505 / 149506

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Cooper	10/27/94 900				
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

DISTRIBUTION: Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab

Inorg-1

Quanterra
Environmental Services

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US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

CASE NARRATIVE

Case No.: 22832

SDG No.: MEXY83

EPA-supplied quality control samples were used for all metals and for Cyanide analyses. The interference check samples for the ICP analysis were ICS Part A (0292) and ICS Part B (0691). The ICP ICV solutions were ICV-1 (0692) and ICV-3 (1091). The ICV for mercury analysis was ICV-5 (0791). For graphite furnace analysis of arsenic and selenium, ICV-2 (0692) was prepared according to instructions and diluted into calibration range (a two-fold dilution) at the instrument. For graphite furnace analysis of lead and thallium, ICV-4 (0692) was prepared according to instructions and diluted into range (a four-fold dilution) at the instrument. For ICP and graphite furnace analyses, each ICV solution was digested as the aqueous Laboratory Control Sample for the appropriate analytes. For cyanide analysis, EPA ICV-6 (1191) and LCS (0689) were used.

Samples MEXY84, MEXY85, and MEXY88 were redigested due to results being greater than the CRDL and were within the control limits. Since samples MEXY83 and MEXY83DUP were less than the CRDL, no redigestion was needed.

The Relative Percent Difference could not be calculated for Cyanide due to values being less than the detection limit.

There was insufficient sample volume to use 500ml per CLP method for MEXY83 Duplicate and Matrix Spike.

LOCATION OF ORIGINAL DATA: Mercury and ICP original data can be found with this package. Cyanide original data can be found in case number 22832 SDG MEXY79.

In Reference to Case No(s):

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
Telephone Record Log

Date of Call: 12-28-94

Laboratory Name: ITMO

Lab Contact: Wade Price

Region: V

Regional Contact: M. Knopp

Call Initiated By: ___ Laboratory ✓ Region

In reference to data for the following sample number(s):

Federal express airbill
changer made to chain of custody

Summary of Questions/Issues Discussed:

(1) Location of original Fed. Ex. airbill

(2) Discussed with lab if they had any knowledge of changer made to chain of custody

Summary of Resolution:

(1) Original airbill was attached to sample cooler but was impossible to move or photocopy.

(2) Laboratory had no knowledge of changer to chain of custody

Matthew A. Knopp
Signature

12-28-94
Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

Page___of_

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 22832 (1)
DATA SET: MEXY83
LAB QC #
DATE: 12-28-94

SITE: DIAMOND SCRAP YARD (II)
LAB: ITMO
REVIEWED BY: M. Knoff

MATRIX: H_2O
CONC: Low

WATER SAMPLE SPK:
WATER SAMPLE DUP:
SOIL SAMPLE SPK: —
SOIL SAMPLE DUP: —

FORM #		FORM 3	FORM 3	FORM 5	FORM 5	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 8	FIELD	FIELD	FIELD	FIELD		
ELEMENT	HOLD TIME	INITIAL CALIB	CONTIN CALIB	CALIB BLANK	PREP WATER BLANK	~~PREP SOIL BLANK~~	ICB %R	AQ ~~SOIL~~ SPIKE %R	AQ ~~SOIL~~ DUP RPD	ICB AQ	~~ICB SOIL~~	SERIAL DILUTION AQUEOUS	~~SERIAL DILUTION SOIL~~	~~AQ DUP RPD~~	~~AQ SPIKE %R~~	~~BLANK~~	~~DUP RPD~~	~~BLANK~~	~~DUP RPD~~	~~GFAA DUP~~	~~GFAA ANALYT SPIKE~~
ALUMINUM	OK	OK	OK				OK	OK		OK		OK									
ANTIMONY									±CRDL 200.0												
ARSENIC																					
BARIUM				124 ~~[illegible]~~	1.030																
BERYLLIUM				~~[illegible]~~					±CRDL 200.0												
CADMIUM																					
CALCIUM					107.88																
CHROMIUM																					
COBALT																					
COPPER				~~3.0~~	7.730																
IRON				~~18.1~~	13.930																
LEAD				2.5	2.580																
MAGNESIUM					46.24																
MANGANESE				~~0.8~~	~~0.750~~																
MERCURY																					
NICKEL																					
POTASSIUM									±CRDL 200.0												
SELENIUM																					
SILVER																					
SODIUM					74.820																
THALLIUM																					
TIN									±CRDL (2BH)												
VANADIUM																					
ZINC					~~[illegible]~~																
CYANIDE				~~[illegible]~~																	

Be (0.8) CCB4 MEXY83,

OVER →

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: (1) CERCLIS No: IL

Case No: 32832 Site Name Location: Diamond Scrap Yard

Contractor or EPA Lab: ITMO Data User: IEPA

No. of Samples: 4 Date Sampled or Data Received: 12-20-94

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

Are basic data forms in? Yes ✓ No____
No of samples claimed: 4 No. of samples received: 4

Received by: Lynette Burnett Date: 12-20-94

Received by LSSS: Allison C Harvey Date: 12-20-94

Review started: 12-28-94 Reviewer Signature: [signature]

Total time spent on review: 3.7 +0.7 JR Date review completed: 12-28-94

Copied by: Lynette Burnett Date: 1-12-95

Mailed to user by: Lynette Burnett Date: 1-12-95

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Data: _____

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832 SAS No.: _____ SDG No.:MEXY79

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
MEXY79	MEXY79
MEXY79D	MEXY79D
MEXY79S	MEXY79S
MEXY80	MEXY80
MEXY81	MEXY81
MEXZ77	MEXZ77
MEXZ78	MEXZ78
MEXZ79	MEXZ79
MEXZ80	MEXZ80
MEXZ81	MEXZ81
MEXZ82	MEXZ82
MEXZ83	MEXZ83
MEXZ84	MEXZ84
MEXZ93	MEXZ93
MEXZ94	MEXZ94
MEXZ95	MEXZ95
MEXZ96	MEXZ96
MEXZ97	MEXZ97

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536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

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

Signature: Wade H. Price Name: WADE H. Price

Date: December 17, 1994 Title: Project Manager

RECEIVED
JAN 12 1995
IEPA/DLPC

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY79

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXY79

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _85.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	6200	_		P
7440-36-0	Antimony_	21.8	_	N	P
7440-38-2	Arsenic__	6.5			P
7440-39-3	Barium___	21.0	B		P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium__	0.87	U		P
7440-70-2	Calcium__	86300	_		P
7440-47-3	Chromium_	11.1			P
7440-48-4	Cobalt___	7.7	B		P
7440-50-8	Copper___	24.1	_		P
7439-89-6	Iron____	16300	_		P
7439-92-1	Lead____	8.2	_		P
7439-95-4	Magnesium	45900	_		P
7439-96-5	Manganese	593			P
7439-97-6	Mercury__	0.06	U		CV
7440-02-0	Nickel___	17.6	_		P
7440-09-7	Potassium	1780			P
7782-49-2	Selenium_	0.70	B		P
7440-22-4	Silver___	0.87	U		P
7440-23-5	Sodium___	283	B		P
7440-28-0	Thallium_	0.73	U		P
7440-62-2	Vanadium_	19.9	_		P
7440-66-6	Zinc____	45.8	_	N	P
	Cyanide__	0.14	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY80

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXY80

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _85.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4690			P
7440-36-0	Antimony	16.4		N	P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	19.9	B		P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.87	U		P
7440-70-2	Calcium	95900			P
7440-47-3	Chromium	9.2			P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	23.6			P
7439-89-6	Iron	15000			P
7439-92-1	Lead	8.3			P
7439-95-4	Magnesium	50300			P
7439-96-5	Manganese	643			P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	13.8			P
7440-09-7	Potassium	1310			P
7782-49-2	Selenium	0.87	B		P
7440-22-4	Silver	0.87	U		P
7440-23-5	Sodium	272	B		P
7440-28-0	Thallium	0.73	U		P
7440-62-2	Vanadium	20.3			P
7440-66-6	Zinc	41.0		N	P
	Cyanide	0.14	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY81

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY79

Matrix (soil/water): SOIL_ Lab Sample ID: MEXY81

Level (low/med): LOW__ Date Received: 10/28/94

% Solids: _80.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	3630	_		P_
7440-36-0	Antimony_	17.0	_	N	P_
7440-38-2	Arsenic__	9.6	_		P_
7440-39-3	Barium___	20.4	B		P_
7440-41-7	Beryllium	0.65	B		P_
7440-43-9	Cadmium__	0.92	U		P_
7440-70-2	Calcium__	111000	_		P_
7440-47-3	Chromium_	9.3	_		P_
7440-48-4	Cobalt___	11.8	B		P_
7440-50-8	Copper___	27.5	_		P_
7439-89-6	Iron____	16300	_		P_
7439-92-1	Lead____	36.3	_		P_
7439-95-4	Magnesium	58700	_		P_
7439-96-5	Manganese	728	_		P_
7439-97-6	Mercury__	0.06	U		CV
7440-02-0	Nickel___	24.9	_		P_
7440-09-7	Potassium	509	B		P_
7782-49-2	Selenium_	1.1	B		P_
7440-22-4	Silver___	0.92	U		P_
7440-23-5	Sodium___	397	B		P_
7440-28-0	Thallium_	0.77	U		P_
7440-62-2	Vanadium_	17.7	_		P_
7440-66-6	Zinc____	125	_	N	P_
_____	Cyanide__	0.15	U		AS
_____	_____	_____	_		__

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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3
BLANKS

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	24.9	U	24.9	U	24.9	U	24.9	U	24.900	U	P
Antimony	46.2	U	46.2	U	46.2	U	46.2	U	46.200	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Barium	0.4	U	0.5	B	0.8	B	0.4	U	1.030	B	P
Beryllium	0.2	U	0.6	B	0.6	B	0.6	B	0.200	U	P
Cadmium	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Calcium	20.6	U	20.6	U	20.6	U	20.6	U	107.880	B	P
Chromium	3.4	U	3.4	U	3.4	U	3.4	U	3.400	U	P
Cobalt	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	-
Copper	2.5	U	2.5	U	2.5	U	2.5	U	7.730	B	-
Iron	11.4	U	11.4	U	11.4	U	11.4	U	13.930	B	P
Lead	0.8	U	0.8	U	2.5	B	1.4	B	2.580	B	P
Magnesium	44.9	U	44.9	U	44.9	U	-47.8	B	46.240	B	P
Manganese	0.7	U	0.7	U	0.7	U	0.7	U	0.750	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	15.5	U	15.5	U	15.5	U	15.5	U	15.500	U	P
Potassium	1950.0	U	1950.0	U	1950.0	U	-2170.5	B	1950.000	U	P
Selenium	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Silver	3.7	U	3.7	U	3.7	U	-6.0	B	3.700	U	P
Sodium	42.4	U	42.4	U	42.4	U	42.4	U	74.820	B	P
Thallium	3.1	U	3.1	U	3.1	U	3.1	U	3.100	U	P
Vanadium	3.1	U	3.1	U	3.1	U	3.1	U	3.100	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	24.800		P
Cyanide	2.8	B	2.4	U	2.4	U	2.4	U	1.200	U	AS

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY84

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER Lab Sample ID: MEXY84

Level (low/med): LOW__ Date Received: 10/28/94

% 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_	37.6	B		P
7440-36-0	Antimony_	46.2	U		P
7440-38-2	Arsenic__	3.2	B		P
7440-39-3	Barium___	19.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	3.7	U		P
7440-70-2	Calcium__	21300			P
7440-47-3	Chromium_	3.4	U		P
7440-48-4	Cobalt___	3.4	B		P
7440-50-8	Copper___	16.6	B		P
7439-89-6	Iron____	102			P
7439-92-1	Lead____	3.1			P
7439-95-4	Magnesium	9020			P
7439-96-5	Manganese	33.8			P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	15.5	U		P
7440-09-7	Potassium	2690	B		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	3.7	U		P
7440-23-5	Sodium___	38400			P
7440-28-0	Thallium_	3.1	U		P
7440-62-2	Vanadium_	7.9	B		P
7440-66-6	Zinc____	14.9	B		P
	Cyanide__	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY85

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER Lab Sample ID: MEXY85

Level (low/med): LOW__ Date Received: 10/28/94

% 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_	24.9	U		P
7440-36-0	Antimony_	46.2	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium__	10.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	3.7	U		P
7440-70-2	Calcium__	12000			P
7440-47-3	Chromium_	3.4	U		P
7440-48-4	Cobalt___	3.2	U		P
7440-50-8	Copper___	19.2	B		P
7439-89-6	Iron____	41.0	B		P
7439-92-1	Lead____	1.4	B		P
7439-95-4	Magnesium	4630	B		P
7439-96-5	Manganese	10.7	B		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	15.5	U		P
7440-09-7	Potassium	1950	U		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	3.7	U		P
7440-23-5	Sodium___	62000			P
7440-28-0	Thallium_	3.1	U		P
7440-62-2	Vanadium_	5.8	B		P
7440-66-6	Zinc____	19.0	B		P
	Cyanide__	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEXY88

Lab Name: ITAS_ST._LOUIS_____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22832_ SAS No.: _____ SDG No.: MEXY83

Matrix (soil/water): WATER Lab Sample ID: MEXY88

Level (low/med): LOW__ Date Received: 10/28/94

% 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_	24.9	U		P
7440-36-0	Antimony_	46.2	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	1.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	3.7	U		P
7440-70-2	Calcium__	305	B		P
7440-47-3	Chromium_	3.4	U		P
7440-48-4	Cobalt___	3.2	U		P
7440-50-8	Copper___	8.6	B		P
7439-89-6	Iron_____	16.4	B		P
7439-92-1	Lead_____	1.2	B		P
7439-95-4	Magnesium	64.0	B		P
7439-96-5	Manganese	0.70	U		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	15.5	U		P
7440-09-7	Potassium	1950	U		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	3.7	U		P
7440-23-5	Sodium___	246	B		P
7440-28-0	Thallium_	3.1	U		P
7440-62-2	Vanadium_	3.1	U		P
7440-66-6	Zinc_____	9.5	B		P
	Cyanide__	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

DIOXIN ANALYSIS DATA PACKAGE

Illinois Environmental Protection Agency Date: 1/15/95

LAB NAME: ARDL, Inc.

SAMPLES RECEIVED AT ARDL: 12/16/94

PROJECT NAME: Diamond Scrapyard

CUSTOMER ID NUMBER	ARDL ID NUMBER
X 107	2353-1
X 108	2353-2
X 109	2353-3
X 110	2353-4
X 112	2353-5
X 114	2353-6
X 115	2353-7
X 117	2353-8
X 118	2353-9
X 119	2353-10

TRIANGLE LABORATORIES OF RTP, INC.
Sample Result Summary for Project 30911
Method 8290X Full Screen Analyses (DB-5)

Data File	P950099	P950100	P950101	T950177
Sample ID	TLI Soil Blank	2353-1	2353-2	2353-3
Units	ppt	ppt	ppt	ppt
Analytes				
2378-TCDD	(0.3)	1.7	{6.5}	14.2
12378-PeCDD	(0.4)	5.4	30.6	71.2
123478-HxCDD	(0.5)	9.3	59.8	174
123678-HxCDD	(0.5)	31.6	131	342
123789-HxCDD	(0.5)	28.1	188	279
1234678-HpCDD	(0.7)	456	1240	4300
OCDD	2.3	2660	5620	28130
2378-TCDF	(0.3)	129	1320	787
12378-PeCDF	(0.3)	19.6	206	127
23478-PeCDF	(0.3)	39.2	307	304
123478-HxCDF	(0.3)	127	1200	728
123678-HxCDF	(0.2)	26.9	297	200
234678-HxCDF	{0.25}	33.0	479	205
123789-HxCDF	(0.3)	1.7	11.8	10.6
1234678-HpCDF	(0.3)	226	2080	1200
1234789-HpCDF	(0.5)	36.0	{181}	191
OCDF	(0.9)	371	2030	1950
TOTAL TCDD	(0.3)	41.2	253	203
TOTAL PeCDD	(0.4)	57.3	228	749
TOTAL HxCDD	(0.5)	347	1410	3610
TOTAL HpCDD	(0.7)	1050	2540	9440
TOTAL TCDF	(0.3)	583	5400	4500
TOTAL PeCDF	(0.3)	445	3600	3480
TOTAL HxCDF	{0.25}	314	3890	3690
TOTAL HpCDF	(0.4)	483	2910	2810
Other Standards Percent Recovery Summary (% Rec)				
37Cl-TCDD	91.6	91.9	68.8	81.5
13C12-PeCDF 234	92.3	73.4	50.2	59.3
13C12-HxCDF 478	85.6	115	90.3	150
13C12-HxCDD 478	74.0	101	74.4	140
13C12-HpCDF 789	69.9	55.3	43.4	123
Other Standards Percent Recovery Summary (% Rec)				
13C12-HxCDF 789	79.0	90.8	67.7	121
13C12-HxCDF 234	81.9	97.5	76.5	125
Internal Standards Percent Recovery Summary (% Rec)				
13C12-2378-TCDF	57.1	79.2	60.3	71.8
13C12-2378-TCDD	60.0	79.2	61.6	67.6
13C12-PeCDF 123	67.6	68.1	54.0	59.1
13C12-PeCDD 123	87.9	73.6	51.8	63.8
13C12-HxCDF 678	69.2	94.6	76.6	121
13C12-HxCDD 678	66.1	80.4	61.3	93.3
13C12-HpCDF 678	58.9	55.9	49.5	87.6
13C12-HpCDD 678	57.3	50.1	42.3	86.8
13C12-OCDD	44.9	31.0	23.3	71.1

TRIANGLE LABORATORIES OF RTP, INC.
Sample Result Summary for Project 30911
Method 8290X Full Screen Analyses (DB-5)

Data File	T950178	P950104	T950179	T950180
Sample ID	2353-4	2353-5	2353-6	2353-7
Units	ppt	ppt	ppt	ppt
Analytes				
2378-TCDD	3.1	11.6	7.2	13.0
12378-PeCDD	10.7	50.0	27.4	44.0
123478-HxCDD	12.0	95.9	56.5	80.1
123678-HxCDD	62.5	278	152	256
123789-HxCDD	49.7	293	168	257
1234678-HpCDD	939	2420	2010	3610
OCDD	7810	11290	13340	21130
2378-TCDF	285	1030	480	580
12378-PeCDF	38.0	347	93.8	75.9
23478-PeCDF	86.0	345	153	148
123478-HxCDF	194	1750	563	596
123678-HxCDF	52.2	465	147	111
234678-HxCDF	42.4	463	186	158
123789-HxCDF	2.9	{35.5}	11.4	6.4
1234678-HpCDF	352	2490	848	1070
1234789-HpCDF	66.7	489	118	82.3
OCDF	792	3670	951	2300
TOTAL TCDD	41.8	258	240	273
TOTAL PeCDD	117	414	399	495
TOTAL HxCDD	669	2700	1790	2330
TOTAL HpCDD	1920	4970	4210	7050
TOTAL TCDF	1390	4350	2610	2910
TOTAL PeCDF	792	3690	1910	1590
TOTAL HxCDF	776	4700	2060	2950
TOTAL HpCDF	921	4170	1700	2800
Other Standards Percent Recovery Summary (% Rec)				
37Cl-TCDD	82.7	83.7	42.5	59.3
13C12-PeCDF 234	62.6	68.2	43.2	61.3
13C12-HxCDF 478	134	127	62.5	96.0
13C12-HxCDD 478	119	107	58.8	87.9
13C12-HpCDF 789	88.5	70.8	49.8	64.2
Other Standards Percent Recovery Summary (% Rec)				
13C12-HxCDF 789	106	103	53.5	79.6
13C12-HxCDF 234	114	115	54.3	83.5
Internal Standards Percent Recovery Summary (% Rec)				
13C12-2378-TCDF	78.7	88.2	46.4	62.1
13C12-2378-TCDD	84.5	78.8	42.4	57.3
13C12-PeCDF 123	64.8	63.2	44.8	60.5
13C12-PeCDD 123	72.9	57.9	44.5	59.4
13C12-HxCDF 678	116	109	48.4	51.0
13C12-HxCDD 678	84.1	84.1	38.0	58.6
13C12-HpCDF 678	71.4	71.6	40.7	59.0
13C12-HpCDD 678	83.4	67.4	44.5	59.9
13C12-OCDD	50.4	38.6	33.8	35.2

TRIANGLE LABORATORIES OF RTP, INC.
Sample Result Summary for Project 30911
Method 8290X Full Screen Analyses (DB-5)

Data File	T950181	T950182	T950183	T950184
Sample ID	2353-8	2353-9	2353-10	2353-10 (MS)
Units	ppt	ppt	ppt	ppt
Analytes				
2378-TCDD	0.70	1.00	0.53	50.0
12378-PeCDD	3.0	3.7	2.5	258
123478-HxCDD	6.5	7.4	4.8	303
123678-HxCDD	23.4	26.2	11.7	273
123789-HxCDD	15.9	20.2	11.7	304
1234678-HpCDD	526	550	246	399
OCDD	3900	4100	1600	1530
2378-TCDF	35.0	50.7	24.9	69.0
12378-PeCDF	6.4	8.6	4.7	245
23478-PeCDF	22.0	22.7	7.2	247
123478-HxCDF	32.3	39.8	20.5	257
123678-HxCDF	11.3	11.9	6.7	249
234678-HxCDF	15.1	15.3	11.2	244
123789-HxCDF	0.61	(1.6)	(0.9)	224
1234678-HpCDF	372	232	77.3	335
1234789-HpCDF	11.3	13.0	5.9	258
OCDF	651	692	180	638
TOTAL TCDD	9.0	34.8	18.9	
TOTAL PeCDD	31.1	46.9	22.6	
TOTAL HxCDD	203	224	112	
TOTAL HpCDD	1000	1040	493	
TOTAL TCDF	187	296	163	
TOTAL PeCDF	157	173	120	
TOTAL HxCDF	280	279	136	
TOTAL HpCDF	790	676	195	
Other Standards Percent Recovery Summary (% Rec)				
37Cl-TCDD	73.7	69.3	74.1	75.6
13C12-PeCDF 234	61.8	55.9	74.0	58.3
13C12-HxCDF 478	88.9	91.5	101	103
13C12-HxCDD 478	82.1	86.0	97.1	96.6
13C12-HpCDF 789	61.4	67.6	88.8	78.2
Other Standards Percent Recovery Summary (% Rec)				
13C12-HxCDF 789	76.1	77.2	94.1	91.7
13C12-HxCDF 234	81.6	83.1	99.7	102
Internal Standards Percent Recovery Summary (% Rec)				
13C12-2378-TCDF	62.6	64.2	78.8	76.1
13C12-2378-TCDD	62.1	60.5	70.2	65.6
13C12-PeCDF 123	44.3	49.0	74.2	54.4
13C12-PeCDD 123	68.3	59.0	64.9	44.4
13C12-HxCDF 678	77.1	80.4	92.8	91.2
13C12-HxCDD 678	56.7	59.0	71.5	69.9
13C12-HpCDF 678	58.0	58.7	75.4	67.8
13C12-HpCDD 678	56.1	61.3	79.5	69.4
13C12-OCDD	32.1	39.5	56.0	43.3

Data File	T950192
Sample ID	2353-10 (MSD)
Units	ppt
Analytes	
2378-TCDD	45.1
12378-PeCDD	242
123478-HxCDD	331
123678-HxCDD	270
123789-HxCDD	325
1234678-HpCDD	390
OCDD	1500
2378-TCDF	68.7
12378-PeCDF	222
23478-PeCDF	231
123478-HxCDF	261
123678-HxCDF	239
234678-HxCDF	252
123789-HxCDF	266
1234678-HpCDF	305
1234789-HpCDF	304
OCDF	600

Other Standards Percent Recovery Summary (% Rec)

37Cl-TCDD	93.3
13C12-PeCDF 234	109
13C12-HxCDF 478	103
13C12-HxCDD 478	111
13C12-HpCDF 789	152

Other Standards Percent Recovery Summary (% Rec)

13C12-HxCDF 789	111
13C12-HxCDF 234	104

Internal Standards Percent Recovery Summary (% Rec)

13C12-2378-TCDF	86.1
13C12-2378-TCDD	79.5
13C12-PeCDF 123	98.1
13C12-PeCDD 123	103
13C12-HxCDF 678	86.3
13C12-HxCDD 678	71.6
13C12-HpCDF 678	104
13C12-HpCDD 678	124
13C12-OCDD	129

{Estimated Maximum Possible Concentration}, (Detection Limit).