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PHIL-15489

August 17, 2001

Project Number 2849

SDMS DocID 2040846

Mr. Joseph McDowell (3HS21)
United States Environmental Protection Agency
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Reference: RAC 3 Program
EPA Contract No. 68-S6-3003

Subject: Split Sample Results – Cinder Slag Fill Area
Crater Resources Site
Remedial Design/Remedial Action (RD/RA) Oversight
EPA Work Assignment No. 039-RXBF-038B

Dear Mr. McDowell:

Attached please find the evaluation of split sample results collected from oversight of the sampling of the cinder slag fill area at the subject site. The samples and evaluation were prepared by Tetra Tech NUS, Incoporated's team subcontractor, Dynamac Corporation. Results were compared to the results from samples collected by Penn Environmental and Remediation. In addition, results for the two biased samples collected by Dynamac are also included.

If you have any questions, please do not hesitate to contact me.

Sincerely,

(b) (4) [redacted]

Project Manager

ABF/vh

c: Elaine Spiewak (EPA Region III)
(b) (4) [redacted] (TtNUS)
(b) (4) [redacted] Dynamac) (w/ attachment)

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TECHNICAL EVALUATION OF DYNAMAC CORPORATION SPLIT AND INDEPENDENT SAMPLE RESULTS FOR THE CINDER/SLAG FILL AREA LOCATED AT 2301 RENAISSANCE BOULEVARD IN UPPER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

Dynamac Corporation (Dynamac) collected split-samples of soil/sediment from two (2) locations at the Cinder/Slag Fill Area (CSFA) located at 2301 Renaissance Boulevard in Upper Merion Township, Montgomery County, Pennsylvania in conjunction with the site developer's primary contractor, Penn E & R (PER) on May 7, 2001. Along with the split samples, Dynamac independently collected soil samples from two (2) two additional locations at CSFA on May 7, 2001. Attachment A includes Dynamac's raw split sample organic data analyzed by EPA Region III Regional Laboratory located in Fort Meade, Maryland. Attachment B includes Dynamac's raw split sample inorganic data analyzed by American Analytical and Technical Services, Inc. located in Broken Arrow, Oklahoma.

SOIL SAMPLES

Table 1 summarizes the split soil samples collected by Dynamac, the corresponding PER samples, the additional independent soil samples collected by Dynamac, the corresponding field duplicate sample, and the date the samples were collected.

Table 1

Dynamac Sample	PER Sample	Comments	Date Collected
CSFA - 22	CSFA - 22	Not Applicable	May 7, 2001
CSFA - 27	CSFA - 27	Not Applicable	
CSFA-SS1	Not Applicable	Not Applicable	
CSFA-SS2	Not Applicable	Duplicate of CSFA-SS3	
CSFA-SS3	Not Applicable	Duplicate of CSFA-SS2	

Both Dynamac and PER soil samples were processed utilizing Method OLM04.2 for organics and ILM04.0 for inorganics. All samples, both Dynamac's and PER's, were analyzed for volatiles, semi-volatiles, and metals. Pesticide analysis were performed on Dynamac's samples, the split samples and the independent samples; however, PER's corresponding split samples were not analyzed for pesticides. To determine whether a good correlation existed between split samples for a specific contaminant, Dynamac determined the relative percent difference (RPD) between the two samples. Dynamac utilizes a cutoff of fifty (50) percent or less as being considered a good correlation. The relative percent difference is determined by taking the difference between the two results and dividing this number by the average of the two (2) results and multiplying by one hundred (100). When a Not Detected (ND) result was obtained for one (1) of the results the RPD was not calculated and is designated with Not Applicable (NA). In the case where Dynamac samples were analyzed under more than one (1) dilution factor,

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Dynamac reported the higher detection value as the result on Tables 2 through 4.

Additionally, all samples were cross-references against five (5) different screening criteria standards. Screening standards included the following:

1. Pennsylvania Department of Environmental Protection (PADEP), Land Recycling and Environmental Remediation Standards Act, Non-Residential Medium Specific Concentrations (MSC) (August 1997) for:

    a. Organic Regulated Substances in Soil: Direct Contact Values (NRDC)
    b. Organic Regulated Substances in Soil: Soil-to Groundwater Values (NRSG)
    c. Inorganic Regulated Substances in Soil: NRDC
    d. Inorganic Regulated Substances in Soil: NRSG

2. United States Environmental Protection Agency (USEPA), Region III Risk-Based Concentrations (RBC) and Soil Screening Levels for Soil (SSL) (05/08/01)

The analytical results are summarized in three (3) tables, Tables 2 through 4. Table 2 summarizes the results of the split-soil samples. Table 3 summarizes pesticide analytes analyzed and detected in Dynamac's split samples. PER did not analyze for pesticides. Table 4 summarizes the results of the additional three (3) independent soil samples, CSFA-SS1, CSFA-SS2, and the corresponding field duplicate, CSFA-SS3, collected by Dynamac.

Table 2: Dynamac/PER Split Sample Comparison

For CSFA-27, sixteen (16) of the thirty six (36) contaminants detected in both Dynamac's and PER's split sample exceeded the 50% correlation limit used by Dynamac (see Table 2). For CSFA-22, thirty (30) of the forty-seven (47) contaminants detected in both Dynamac's and PER's split sample exceeded the 50% correlation limit used by Dynamac (see Table 2).

Both Dynamac's and PER's analytical results for split sample CSFA-27 showed elevated concentrations of benzo (a) anthracene (18 ppm and 12 ppm, respectively), benzo (a) pyrene (14 ppm and 12 ppm, respectively), benzo (b) fluoranthene (16 ppm and 23 ppm, respectively), ideno (1,2,3-cd) pyrene (12 ppm and 10 ppm, respectively), arsenic (9.2 ppm and 20.3 N ppm, respectively), cadmium (28.6 ppm and 31 * ppm, respectively), and lead (1280 ppm and 1870 * ppm, respectively) (see Table 2) which exceeded one (1) or more of the screening criteria. In addition, Dynamac's results showed elevated concentrations of methylene chloride (0.04 ppm) and acetophenone (1.9 J ppm) which exceeded USEPA SSL (0.019 ppm and 0.002 ppm, respectively) (see Table 2). It should be noted that methlyene chloride, a common laboratory contaminant, was not detected in either the field blank nor the trip blank. PER's results for split sample CSFA-27 included elevated detections of dibenzo (a,h) anthracene, manganese, and thallium. These contaminants were not detected in Dynamac's results for split sample CSFA-27.

Both Dynamac's and PER's analytical results for split sample CSFA-22 showed elevated

TABLE 2

Analytical Parameters [1]	Sample Designation/Analtyical Results [2]						PADEP NRDC MSC[3] (Surface)	PADEP NRDC MSC[3] (Subsurface)	PADEP NRSG MSC[3]	GENERIC USEPA RBC (3) (INDUSTRIAL)	GENERIC USEPA SSL (3) (DAF-20)
	CSFA-27			CSFA-22							
	Dynamac	Penn	RPD [5]	Dynamac	Penn	RPD [5]					
Volatile Organics:											
1,2,4-Trichlorobenzene	0.001 J	ND	NA	ND	ND	NA	10000	10000	28	204400	8
2-Butanone	0.002 J	ND	NA	0.003 J	0.016 J	**136.842**	10000	10000	580	1226400	7.9
Acetone	0.004 J	ND	NA	0.005 J	**130**	**199.985**	10000	10000	1000	204400	**2.5**
Benzene	ND	ND	NA	ND	**0.009 J**	NA	200	230	0.5	104	**0.002**
Carbon Disulfide	0.002 J	ND	NA	0.004 J	ND	NA	10000	10000	410	204400	19
Cyclohexane	0.002 J	ND	NA	0.005 J	ND	NA	NA	NA	NA	NSA	NSA
Methylene Chloride	**0.04**	0.002 JB	**180.952**	**0.059**	0.005 JB	**168.75**	3500	4000	0.5	763	**0.019**
Toluene	ND	ND	NA	0.005 J	0.088	**178.495**	10000	10000	100	408800	8.8
Semivolatile Organics:											
2-Methylnaphthalene	ND	ND	NA	0.11 J	ND	NA	10000	10000	10000	NSA	NSA
Acenaphthene	ND	ND	NA	ND	0.078 J	NA	170000	190000	4300	122640	104.8
Acenaphthylene	ND	ND	NA	0.92 J	0.17 J	**137.615**	170000	190000	4400	204400	NSA
Acetophenone	**1.9 J**	ND	NA	**0.14 J**	ND	NA	10000	10000	1000	613200	**0.002**
Anthracene	3.5 J	2.1 J	**50.000**	1.3 J	0.49	**90.5028**	190000	190000	230	204400	467
Benzaldehyde	ND	ND	NA	0.18 J	0.050 J	**113.043**	NSA	NSA	NSA	204400	NSA
Benzo (a) anthracene	**18**	**12**	40.000	**8**	**2**	**120**	110	190000	320	**7.8**	**1.5**
Benzo (a) pyrene	**14**	**12**	15.385	**7.6**	**2.6**	**98.0392**	**11**	190000	46	**0.78**	**0.37**
Benzo (b) fluoranthene	**16**	**23**	35.897	**7.6**	3.1	**84.1121**	110	190000	160	**7.8**	**4.5**
Benzo (g,h,i) perylene	15	6.7	**76.498**	6.8	1.3	**135.802**	170000	190000	180	NSA	NSA
Benzo (k) fluoranthene	15	16	6.452	6.8	2.5	**92.4731**	1100	190000	600	78	45
bis (2-Ethylhexyl) phthalate	1.5 J	1.4 J	6.897	4.8	2.5	**63.0137**	5700	10000	130	409	2900
Butylbenzylphthalate	ND	ND	NA	0.44 J	0.048 J	**160.656**	10000	10000	10000	408800	16819
Carbazole	1.3 J	0.73 J	**56.158**	0.67 J	0.25 J	**91.3043**	NSA	NSA	NSA	51100	25
Chrysene	24	16	40.000	9.4	3.2	**98.4127**	11000	190000	220	78	150
Dibenzo (a,h) anthracene	ND	**4.2**	NA	**2.1 J**	0.8	**89.6552**	11	190000	160	**0.78**	**1.4**
Dibenzofuran	ND	ND	NA	0.19 J	0.059 J	**105.221**	NSA	NSA	NSA	8176	7.7
Di-n-octylphthalate	ND	ND	NA	0.092 J	ND	NA	10000	10000	10000	40880	2429442
Fluoranthene	35	21	**50.000**	13	4.0 D	**105.882**	110000	190000	3300	81760	6255
Fluorene	ND	ND	NA	0.36 J	0.11 J	**106.383**	110000	190000	380	81760	135
Ideno (1,2,3-cd) pyrene	**12**	**10**	18.182	5.9	2	**98.7342**	110	190000	28000	**7.8**	13
Naphthalene	ND	ND	NA	**0.58**	0.084 J	**149.398**	110000	190000	10	40880	**0.15**
N-Nitrosodiphenylamine (1)	ND	ND	NA	0.27 J	0.17 J	45.4545	NSA	NSA	NSA	1168	0.76
Phenanthrene	1.9	11	**141.085**	5.6	2.3	**83.5443**	190000	190000	11000	NSA	NSA
Phenol	ND	ND	NA	0.069 J	ND	NA	190000	190000	400	1226400	133
Pyrene	28	20	33.333	10	1.1	**160.36**	84000	190000	220	61320	682
Inorganics											
Aluminum	8850	13000	37.986	19900	15000	28.0802	190000	190000	NSA	2044000	NSA
Antimony	0.96	6.4 B N	**147.826**	1	**25.3 N**	**184.791**	1100	190000	27	818	**13**
Arsenic	**9.2**	**20.3 N**	**75.254**	**20.3**	**24.3 N**	17.9372	53	190000	150	**3.8**	**0.026**
Barium	413	425 *	2.864	543	449 *	18.9516	190000	190000	8200	143080	2105
Beryllium	0.28	0.56 B	**66.667**	0.26	0.46 B	**55.5556**	18	190000	320	4088	1154
Cadmium	**28.6**	**31 ***	8.054	4.3	8.6 *	**66.6667**	1400	190000	38	1022	27
Calcium	22100	39200 *	**55.791**	11300	13400 *	17.004	NSA	NSA	NSA	NSA	NSA
Chromium	44.6	46.6 N*	4.386	79.9	99.7 N*	22.049	190000	190000	190000	3066000	2×10^{7}
Cobalt	7.8	10.2 B	26.667	25.7	18.3	33.6364	170000	190000	610	40880	NSA
Copper	140	225 *	46.575	490	428 *	13.5076	190000	190000	36000	81760	10518
Iron	26700	62100 *	**79.730**	153000	115000 *	28.3582	190000	190000	NSA	613200	NSA
Lead	**1280**	**1870 ***	37.460	**1880**	**6230 ***	**107.275**	**1000**	190000	**450**	NSA	NSA
Magnesium	1810	3450 B	**62.357**	3010	3870 *	25	NSA	NSA	NSA	NSA	NSA
Manganese	446	**975**	**74.455**	**1420**	740	**62.963**	130000	190000	NSA	40880	**952**
Mercury	0.24	0.16	40.000	0.33	0.3	9.52381	240	190000	10	NSA	NSA
Nickel	20.2	38.4	**62.116**	74.2	72.4	2.45566	56000	190000	650	40880	NSA
Potassium	449	734 B E	48.183	756	867 B E	13.6784	NSA	NSA	NSA	NSA	NSA
Selenium	1.8	2.3	24.390	6.4	4.1	43.8095	14000	190000	26	10220	19
Silver	0.67	2.0 B	**99.625**	1.2	1.4 B	15.3846	14000	190000	84	10220	31
Sodium	444	ND	NA	505	ND	NA	NSA	NSA	NSA	NSA	NSA
Thallium	1.4	**8.0 N**	**140.426**	1.6	**17.3 N**	**166.138**	220	190000	**14**	143	**3.6**
Vanadium	15.5	21.4	31.978	19.5	24.2	21.5103	160	190000	580	14308	5111
Zinc	1940	2800	36.287	3830	4970	25.9091	190000	190000	12000	613200	13621
Cyanide	ND	ND	NA	ND	3.3	NA	56000	190000	200	40880	147
Sample Collection Depth [4]	3 to 4			2 to 4							

Notes

[1] - Field sample was submitted for laboratory analysis of the TCL volatile and semi-volatile organic compounds and the TAL inorganics. Only those compounds which were detected above their detection limits are shown

[2] - All results are in milligrams per kilogram

[3] - United States Environmental Protection Agency, Region III Risk-Based Concentrations and Soil Screening Levels for Soils (10/7/99).

[4] - Sample collection depths are in feet below the ground surface.

[5] - **Bold** text exceed the 50% standard used by Dynamac Corporation

* - The results for the sample and the laborotory duplicate results are not within control limits

N- This flag indicates the sampe spike recovery is outside the recovery limits.

ND - Not Detected

NA - Not Applicable

NSA - No Standard Assigned

Indicates a result above the screening criteria

Identifies the exceeded criteria

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Table 4

Analytical Parameters [1]	Sample Designation/Analtyical Results [2]			PADEP NRDC MSC[4] (Surface)	PADEP NRDC MSC[4] (Subsurface)	PADEP NRSG MSC[3]	GENERIC USEPA RBC (3) (INDUSTRIAL)	GENERIC USEPA SSL (3) (DAF-20)
	CSFA-SS1	CSFA-SS2	CSFA-SS3					
Volatile Organics:								
1,1-Dichloroethene	62	ND	ND	33	38	0.7	NSA	NSA
1,2,4-Trichlorobenzene	1 J	ND	ND	10000	10000	28	204400	7.5
1,2-Dibromo-3-chloropropane	1 J	ND	ND	11	12	0.02	4.1	0.001
2-Butanone	2 J	6 J	4 J	10000	10000	580	1226400	7.9
Acetone	5 J	64	38	10000	10000	1000	204400	2.5
Benzene	71	15	15	200	230	0.5	104	0.002
Carbon Disulfide	4 J	2 J	2 J	10000	10000	410	204400	19
Chlorobenzene	29	ND	ND	10000	10000	10	40880	0.81
Cyclohexane	13	5 J	4 J	NA	NA	NA	NSA	NSA
Methylene Chloride	75	40	40	3500	4000	0.5	763	0.019
Styrene	ND	2 J	2 J	10000	10000	10	408800	57
Toluene	75	28	30	10000	10000	100	408800	8.8
Trichloroethane	80	ND	ND	10000	10000	20	572320	60.3
Trichlorofluoromethane	2 J	ND	ND	NSA	NSA	NSA	613200	170
Xylene (total)	4 J	3 J	4 J	10000	10000	850	4088000	5000
Semivolatile Organics:								
1,1-Biphenyl	3 J	5.2 J	6.6 J	NSA	NSA	NSA	102200	95.6
2-Methylnaphthalene	15 J	18 J	22 J	10000	10000	10000	NSA	NSA
4-Methylphenol	1.3 J	3.6 J	ND	NSA	NSA	NSA	10220	1000
Acenaphthene	ND	15 J	2.2 J	170000	190000	4300	122640	104.8
Acenaphthylene	6.8 J	250	460	170000	190000	4400	NSA	NSA
Acetophenone	2.3	4.9 J	ND	10000	10000	1000	204400	**0.002**
Anthracene	6.6 J	460	820	190000	190000	**230**	613200	**467**
Benzo (a) anthracene	17 J	130	2600	**110**	190000	**320**	**7.8**	**1.5**
Benzo (a) pyrene	13 J	980	2200	**11**	190000	**46**	**0.78**	**0.37**
Benzo (b) fluoranthene	12 J	1100	2200	**110**	190000	**160**	**7.8**	**4.5**
Benzo (g,h,i) perylene	11 J	590 J	1200	170000	190000	**180**	NSA	NSA
Benzo (k) fluoranthene	14 J	680	1700	**1100**	190000	**600**	**78**	**45**
bis (2-Ethylhexyl) phthalate	2.1 J	5.3 J	100 J	5700	10000	130	409	2900
Carbazole	1.8 J	58 J	81 J	NSA	NSA	NSA	51100	25
Chrysene	16 J	1100	2000	11000	190000	**220**	**78**	**150**
Dibenzo (a,h) anthracene	3.5	180 J	380 J	**11**	190000	**160**	**0.78**	**1.4**
Dibenzofuran	0.084 J	65 J	98	NSA	NSA	NSA	8176	**7.7**
Fluoranthene	33 J	2600	4900	110000	190000	**3300**	81760	6255
Fluorene	2.4 J	150 J	260 J	110000	190000	380	81760	**135**
Ideno (1,2,3-cd) pyrene	10 J	540 J	1200	**110**	190000	28000	**7.8**	**13**
Naphthalene	180	42 J	53 J	110000	190000	**10**	40880	**0.15**
Phenanthrene	42	1300	2400	190000	190000	11000	NSA	NSA
Phenol	1.8 J	6.1 J	9 J	190000	190000	400	1226400	133
Pyrene	25	1700	3400	84000	190000	**220**	61320	**682**
Inorganics								
Aluminum	8110	5560	5430	190000	190000	NSA	2044000	NSA
Antimony	0.89	0.88	0.86	1100	190000	27	818	13
Arsenic	26.6	20.8	16.8	53	190000	150	**3.8**	**0.026**
Barium	244	272	191	190000	190000	8200	143080	2105
Beryllium	0.49	0.22	0.22	18	190000	320	4088	1154
Cadmium	0.22	19.6	6.4	1400	190000	38	1022	27
Calcium	8160	15800	9820	NSA	NSA	NSA	NSA	NSA
Chromium	33.1	48.3	35.3	190000	190000	190000	3066000	2×10^{9}
Cobalt	8.2	8.1	8	170000	190000	610	40880	NSA
Copper	140	474	392	190000	190000	36000	81760	10518
Iron	49400	44200	28200	190000	190000	NSA	613200	NSA
Lead	1600	991	629	**1000**	190000	**450**	NSA	NSA
Magnesium	1550	1910	3150	NSA	NSA	NSA	NSA	NSA
Manganese	1260	365	317	130000	190000	NSA	40880	**952**
Mercury	11	5.1	0.85	240	190000	**10**	NSA	NSA
Nickel	28.6	28.4	33.9	56000	190000	650	40880	NSA
Potassium	970	549	503	NSA	NSA	NSA	NSA	NSA
Selenium	3	9.1	5.9	14000	190000	26	10220	19
Silver	0.47	0.72	0.43	14000	190000	84	10220	31
Sodium	470	425	375	NSA	NSA	NSA	NSA	NSA
Thallium	1.3	2.3	1.3	220	190000	14	143	3.6
Vanadium	25.8	10.6	15	160	190000	580	14308	5111
Zinc	706	24900	1540	190000	190000	**12000**	613200	**13621**
Cyanide				56000	190000	200	40880	147
Pesticides:								
4,4'-DDT	ND	0.052	ND	230	190000	0.17	17	1.2
Aldrin	0.0069 J	ND	ND	5	190000	**0.0037**	0.34	0.01
alpha-BHC	ND	0.0042J	0.0062 J	13	190000	0.041	NSA	NSA
Arochlor 1254	5.3	ND	ND	44	10000	**0.14**	**2.9**	**1.1**
Dieldrin	0.27	0.0036J	ND	5	10000	**0.016**	**0.36**	**0.01**
Endosulfan I	ND	ND	0.0027 J	17000	190000	53	12264	20
Endosulfan II	0.006J	ND	ND	17000	190000	28	NSA	NSA
Endrin	0.092	ND	0.016	840	190000	0.2	613	5.4
Endrin aldehyde	ND	0.045	ND	NSA	NSA	NSA	NSA	NSA
Endrin ketone	0.016J	ND	0.1	NSA	NSA	NSA	NSA	NSA
gamma-Chlordane	0.019	0.025	0.0087 J	61	190000	0.2	16	0.91

Notes:

(1) - Field sample was submitted for laboratory analysis of the TCL volatile and semi-volatile organic compounds and the TAL inorganics. Only those compounds which were detected above their detection limits are shown.

(2) - All results are in milligrams per kilogram.

(3) - PA Department of Environmental Protection, Land Recycling & Environmental Remediation Standards Act, Non-Residential Medium Specific Concentrations (August 1997)

(4) - United States Environmental Protection Agency, Region III Risk-Based Concentrations and Soil Screening Levels for Soils (10/7/99)

(5) - Sample collection depths are in feet below the ground surface.

ND - Not Detected

NSA - No Standard Assigned

Indicates a result above the screening criteria

Identifies the exceeded criteria

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Table 3

Analytical Parameters [1]	Sample Designation/Analtyical Results [2]		PADEP NRDC MSC[3] (Surface)	PADEP NRDC MSC[3] (Subsurface)	PADEP NRSG MSC[3]	GENERIC USEPA RBC (4) (INDUSTRIAL)	GENERIC USEPA SSL (4) (DAF-20)
	CSFA-27	CSFA-22					
	Dynamac	Dynamac					
Pesticides:							
4,4'-DDD	0.0094	0.0019J	330	190000	0.27	24	11.2
4,4'-DDE	0.0011	0.0027 J	230	190000	0.13	17	35
4,4'-DDT	0.013	ND	230	190000	0.17	17	1.2
Arochlor 1254	ND	**0.89**	44	10000	**0.14**	2.9	1.1
Dieldrin	ND	**0.063**	5	10000	**0.016**	0.36	**0.01**
Endrin	ND	0.037	840	190000	0.2	613	5.4
Endrin aldehyde	0.0062	ND	NSA	NSA	NSA	NSA	NSA
Endrin ketone	0.051	0.0054	NSA	NSA	NSA	NSA	NSA
gamma-Chlordane	0.0021	ND	61	190000	0.2	16	0.91
Heptachlor	**0.05**	0.00084 J	18	190000	**0.04**	1.3	0.84
Sample Collection Depth [5]	3 to 4	2 to 4					

Notes:

(1) - Field sample was submitted for laboratory analysis of the TCL volatile and semi-volatile organic compounds and the TAL inorganics. Only those compounds which were detected above their detection limits are shown.

(2) - All results are in milligrams per kilogram.

(3) - Pennsylvania Department of Environmental Protection, Land Recycling and Environmental Remediation Standards Act, Non-Residential Medium Specific Concentrations (August 1997)

(4) - United States Environmental Protection Agency, Region III Risk-Based Concentrations and Soil Screening Levels for Soils (10/7/99).

(5) - Sample collection depths are in feet below the ground surface.

ND - Not Detected

NA - Not Applicable

NSA - No standard assigned

Indicates a result above the screening criteria

Identifies the exceeded criteria

ORIGINAL

concentrations of benzo (a) anthracene (8 ppm and 3 ppm, respectively), benzo (a) pyrene(7.6 ppm and 2.6 ppm, respectively), arsenic (20.3 ppm and 24.3 N ppm, respectively), and lead (1880 ppm and 6230 * ppm, respectively) (see Table 2) which exceeded one (1) or more of the screening criteria. In addition, Dynamac's results of methlyene chloride (0.059 ppm), acetophenone (0.14 ppm), dibenzo (a,h) anthracene (2.1 J ppm), naphthalene (0.58 ppm), and manganese (1420 ppm) exceeded one (1) or more screening criteria. PER's results for split sample, CSFA-22 included elevated detections of acetone (130 ppm), benzene (0.009 J ppm), antimony (25.3 N ppm), and thallium (17.3 N ppm) above screening criteria. These contaminants were not detected in Dynamac's results for split sample CSFA-22.

Table 3: Dynamac Pesticide Data

Three (3) pesticides were detected as concentrations above one (1) or more screening criteria for split samples, CSFA-22 and CSFA-27 (see Table 3). Heptachlor (0.05 ppm) was detected in split sample CSFA-27, exceeding the PADEP NRSG MSC of 0.04 ppm. CSFA-22 detected two (2) contaminants above screening criteria. Arochlor 1254 (0.89 ppm) and Dieldrin (0.063 ppm) were detected in CSFA-22 above the PADEP NRSG MSC. The concentration of Arochlor 1254 (0.89 ppm) was also detected above the USEPA RBC screening level.

Table 4: Dynamac Independent Sample Data

Soil sample, CSFA-SS1, collected by Dynamac showed detections of twenty-one (21) contaminants above the screening criteria limits (see Table 4). Of the twenty-one (21) exceedences, twelve (12) were also exceeded by CSFA-SS2 and the corresponding field duplicate CSFA-SS3. The nine (9) additional contaminants detected in CSFA-SS1 include 1,1-dichloroethene (62 ppm), 1,2-dibromo-3-chloropropane (1 J ppm), chlrobenzene (29 ppm), methlyene chloride (75 ppm), trichloroethane (80 ppm), manganese (1260 ppm), mercury (11 ppm), aldrin (0.0069 J ppm), arochlor 1254 (5.3 ppm), and dieldrin (0.27 ppm). It should be noted that 1,1-Dichloroethene, chlorobenzene, and naphthalene both exceeded more than one (1) screening criteria by greater than fifty (50) percent in CSFA-SS1.

Of those contaminants exceeded by the two (2)Dynamac's independent soil samples, CSFA-SS1 and CSFA-SS2, and the corresponding field duplicate sample, CSFA-SS3, the majority of the detection results were highest in CSFA-SS2 and the corresponding field duplicate, CSFA-SS3. Furthermore, it appears that semi-volatile organic contaminants represented the bulk of contaminants detected at concentrations above the one (1) or more screening criteria.

Dynamac Duplicate Sample Results

The independent quality assurance sample collected by Dynamac, CSFA-SS3 was a field duplicate of CSFA-SS2. There was a good correlation between the duplicate sample pair (see Table 4). Nineteen (19) contaminants were detected in both CSFA-SS2 and the corresponding field duplicate sample, CSFA-SS3 above the screening criteria limits. These contaminants included acetone (64 ppm and 38 ppm, respectively), benzene (15 ppm and 15 ppm,

ORIGINAL (Red)

respectively), methylene chloride (40 ppm and 40 ppm, respectively), toluene (28 ppm and 30 ppm, respectively), anthracene (460 ppm and 820 ppm, respectively), benzo (a) anthracene (130 ppm and 2,600 ppm, respectively), benzo (a) pyrene (980 ppm and 2,200 ppm, respectivelly), benzo (b) fluoranthene (1,100 ppm and 2,200 ppm, respectively), benzo (g,h,i) perylene (590 J ppm and 1,200 ppm, respectively), benzo (k) fluoranthene (680 ppm and 1,700 ppm, respectively) chrysene (1,100 ppm and 2,000 ppm, respectively), dibenzo (a,h) anthracene (180 J ppm and 380 J ppm, respectively), dibenzofuran (65 J ppm and 98 ppm, respectively), fluorene (150 J ppm and 260 J ppm, respectively), ideno (1,2,3-cd) pyrene (540 J ppm and 1,200 ppm, respectively), naphthalene (42 J ppm and 53 J ppm, respectively), pyrene (1,700 ppm and 3,400 ppm, respectively), arsenic (20.8 ppm and 16.8 ppm, respectively), and lead (991 ppm and 629 ppm, respectively). Two (2) contaminants, acetophenone (4.9 J ppm) and zinc (24,900 ppm), were detected above screening criteria limits in CSFA-SS2 but were either not detected or detected at low concentration levels in the corresponding field duplicate, CSFA-SS3. One (1) contaminant, fluoranthene (4,900 ppm), was detected above the PADEP NRSG MSC in the corresponding field duplicate, CSFA-SS3, which did not exceed the screening criteria in CSFA-SS2.

ATTACHMENT A

USEPA Laboratory Data

ORIGINAL (Red)

SDG NARRATIVE

Lab Name: Clayton Laboratory Services (CLAYTN)

Contract No.: 68-W-99-069

Case No.: 29223

SDG No.: C0250

Clayton Work Order No.: 01050237
DO#: C2
Turnaround Requirements: Seven days

	EPA Sample Number	Matrix	Analysis
1	C0250	Aqueous	Full Organics
2	C0251	Aqueous	VOA
3	C0252	Soil	Full Organics
4	C0253	Soil	Full Organics
5	C0254	Soil	Full Organics
6	C0255	Soil	Full Organics
7	C0256	Soil	Full Organics

*MS/MSD

Sample Information

Sample *C0254* was designated as the MS/MSD for the soil samples.
Sample *C0253* was designated as the MS/MSD for the BNA medium level samples.

*Attached is a copy of an email that was sent to Carol Robertson (DynCorp), Heather Bauer (DynCorp), and Cecilia Moore (USEPA). The email is in regards to three errors that are still on our Technical Report from DynCorp through our WEB CCS program. The errors were unavoidable, please refer to the email for a complete explanation.

Heather Bauer (DynCorp) was contacted regarding the discrepancy on the turnaround time. The Chain-of-Custody listed the turn around time as 21 days, the scheduling form stated 7 days. Heather called back stating that the correct turn around time for this case is 7 Days, Priority.

Heather Bauer was also contacted regarding Sample C0254 MS/MSD. It arrived with a cracked lid. The sample was not compromised - the entire sample was still contained within the jar. The region notified Heather that it was okay to proceed with the analysis.

ORIGINAL (Red)

Lab Name: Clayton Laboratory Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 29223 SDG No.: C0250 Clayton Work Order No.: 01050237

Shipment Information

One water sample for Full Organic analysis was received on May 8, 2001, under Federal Express airbill no. 8239-3175-6330. The sample was received intact. The temperature of the cooler was 5.3°C.

One water sample for VOA analysis was received on May 8, 2001, under Federal Express airbill no. 8239-3175-6330. The sample was received intact. The temperature of the cooler was 5.3°C.

Five soil samples for Full Organics analysis were received on May 8, 2001, under Federal Express airbill no. 8239-3175-6330. The samples were received intact. The temperature of the cooler was 5.3°C.

Date Recv'd:	Cooler #:	Airbill #:	Sample ID:	Temperature (C):*
5/8/01	1	8239-3175-6330	C0250,C0251,C0252,C0253,C0254,C0255 and C0256	5.3

* A temperature blank was provided.

Analytical Information

VOA

Manual Integrations were performed on the following samples C0254, C0254MS/MSD, C0255, C0256 and VBLKAG.

Internal standard and surrogate recoveries are outside the QC limits for samples C0254, C0254MS and C0254MSD due to sample matrix interference.

BNA

Among the target compounds in BNA analysis Indeno[1,2,3-cd]pyrene and Dibenzo[a,h]anthracene co-eluted. Both compounds share ions 278 and 139. Fortunately, there is no ion 276 in Dibenzo[a,h]anthracene, and there is only 6% of ion 278 (relative to ion 276); and only 3% of ion 139 (relative to ion 138) present in Indeno[1,2,3-cd]pyrene. When ion 276 is used as a quant ion for Indeno[1,2,3-cd]pyrene, there should not be any interference problem. However, there will be a 6% overlap of ion 278 which will cause less accuracy for Dibenzo[a,h]anthracene. To guard against this deficiency, we include the secondary ion of 279 and 139 for the compound Dibenzo[a,h]anthracene in the method used as a further qualitative tool because there is no ion 279 present in the Indeno[1,2,3-cd]pyrene.

Manual Integrations were performed on the following samples C0253, C0253DL, C0253MS, C0254, C0254DL, C0254MS, C0254MSD, C0255, C0255DL, C0256 and C0256DL.

Due to the concentration of one or more of the target compounds exceeding instrument linear range, samples C0253, C0254, C0255 and C0256 were analyzed straight and at a dilution.

ORIGINAL (Red)

After the library search was performed on samples C0255 and C0256, some of the Tentatively Identified Compounds were actually misidentified and named target compounds with a Q values greater than 85 percent. The Tentatively Identified Compounds are reported as Unknown Polynuclear Aromatic Hydrocarbons (PAH).

Pest/PCB

Channel A is the designation on the pesticides data from instrumentPP-HP1A, which uses the DB-5MS column.
Channel B is the designation on the pesticides data from instrument PP-HP1A, which uses the DB-608 column.

Samples C0255 and C0256 were analyzed straight and at a dilution, due to matrix interference.

In samples C0254 and C0253, Aroclor 1254 is detected above the CRQL in addition to the single component Pesticides. It is the analyst's and data reviewer's opinion that some of the detected single component Pesticides (such as Endosulfan II, gamma-Chlordane, 4,4'-DDE, Dieldrin, Endrin and Endrin ketone) are Aroclor 1254 peaks. However, they are reported as Pesticides to comply with the SOW requirements.

Sample C0254 was analyzed straight and at a 1 to 10 dilution to bring the response of Dieldrin within the calibration curve.

In sample C0254MS and C0254MSD gamma-BHC, Aldrin and 4,4`-DDT coeluted with an interference peak in the sample on one or both columns. Therefore the percent recovery could not be calculated and is reported as 0 figure on Form 3F. Heptachlor, Dieldrin and Endrin percent recovery fell outside the required QC limits due to matrix interference and the presence of Aroclor 1254 in the sample.

Lab Name: Clayton Laboratory Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 29223 SDG No.: C0250 Clayton Work Order No.: 01050237

GC Columns

Instrument ID	Column Serial #	Brand Name	Internal Diameter (mm)	Length (Meters)	Coating Material	Film Thickness (µm)
VOA						
MS-HP1A	156939	Restek	0.25	60	RTX624	1.4
MS-HP2B	178910	Restek	0.53	75	RTX624	3
BNA						
MS-HP5E	217778	Restek	0.25	30	XTI-5	1
Pesticides						
PP-HP1A	882773	J & W Scientific	0.53	30	DB-5MS	1.5
PP-HP1A	8790815	J & W Scientific	0.53	30	DB-608	0.83

VOA Traps

Trap Name	Packing Material/ Brand Name	Composition	Amount/Length (cm)
Supelco Purge & Trap K Vocarb 3000	Supelco	Carbopak B	10 cm
		Carboxen 1000	6 cm
		Carboxen 1001	1 cm

Lab Name: Clayton Laboratory Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 29223 SDG No.: C0250 Clayton Work Order No.: 01050237

Tentatively Identified Alkanes of Volatiles Analysis

EPA Sample No.	n-Alkane (ug/Kg or ug/L)	Branched Alkane (ug/Kg or ug/L)	Cyclic Alkane (ug/Kg or ug/L)
C0250	0	0	0
C0251	0	0	0
C0252	0	0	0
C0253	0	0	0
C0254	0	0	0
C0254MS			
C0254MSD			
C0255	54	8	0
C0256	60	15	0
VBLKAG	0	0	0
VBLKBB	0	0	0
VHBLKAA	0	0	0

Tentatively Identified Alkanes of Semivolatile Analysis

EPA Sample No.	n-Alkane (ug/Kg or ug/L)	Branched Alkane (ug/Kg or ug/L)	Cyclic Alkane (ug/Kg or ug/L)
C0250	0	0	0
C0251	0	0	0
C0252	0	0	0
C0253	0	0	0
C0253MS			
C0253MSD			
C0253DL	0	1,200	0
C0254	27,000	0	0
C0254MS			
C0254MSD			
C0254DL	9,100	0	0
C0255	0	0	0
C0255DL	0	0	0
C0256	0	0	0
C0256DL	0	0	0
SBLKS1	0	0	0
SBLKS2	0	0	0
SBLKW1	0	12	0

Lab Name: Clayton Laboratory Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 29223 SDG No.: C0250 Clayton Work Order No.: 01050237

Technical/Administrative Problems and Corrective Actions

For the VOA and BNA analysis, the Hewlett-Packard software flags all manual edits or any compounds affected by the manual edit of an internal standard with an "m" on the reports. The peak is displayed with the baseline of the manual edits and is documented along with the associated "m" flag on the quant report and spectra report. These edits were necessary due to poor computer integration.

For the pesticide/PCB analysis, all manual edits are documented in the Timed Event Table and are flagged with a capital "M." The time with a "M" indicates the start time and a -M indicates the stop time of the integration. The baseline is then drawn and displayed on the corresponding chromatogram. These manual integrations were necessary due to poor computer integration.

pH of Volatiles

See attached list.

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 diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

(b) (4) [redacted] Date 05-~~20~~ 18-01

Program Manager

ORIGINAL (Red)

From: (b) (4) [redacted]
[redacted]@at...
Date: Fri, May 18, 2001 10:20 AM
Subject: We Screened SDG C0250, Case 29223. There are three valid errors, they are as follows.

After screening SDG C0250, Case 29223, we found that there are three errors remaining. I have listed them below along with an explanation for each error.

VF4.1.1: Areas for IS are outside QC limits for sample and no reanalysis is performed.

Internal standard and surrogate recoveries are outside the QC limits for samples C0254, C0254MS and C0254MSD due to sample matrix interference.

PF.3.4: RPD is missing.

Due to sample matrix, Aroclor 1254 is pushing some of the single component analytes out of the retention time window.

P0.10.1: Samples are not diluted and reanalyzed when the analyte concentration exceeded the upper limit of the initial calibration.

The lower concentration between two columns were reported on Form I P/PCB. Please refer to the SOW Exhibit D- -Section 11, 11.2.1.2.3.

Thank You
CLP DCO/Data Analyst
(b) (4) [redacted]
(b) (4) @claytongrp.com
248-344-1770 ext 1782

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OF... (Red)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C025C

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C025C

Matrix: (soil/water) WATER Lab Sample ID: 01050237-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2418.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0250

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2418.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	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
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

ORIGINAL (Red)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0250

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) WATER Lab Sample ID: C1C50237-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2418.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0251

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2419.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0251

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: C1050237-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2419.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	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
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0251

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2419.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0252

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1924.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 19 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	4	BJ
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	40	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	2	BJ
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0252

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1924.D

Level: (low/med) LOW Date Received: 05/06/01

% Moisture: not dec. 19 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	1	BJ

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
C0252

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1924.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 19 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

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

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000541-05-9	Cyclotrisiloxane, hexamethyl-	12.97	17	BNJ
2.		Unknown (18.17)	18.17	7	J
3.		Unknown (22.81)	22.81	7	BJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1925.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 22 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	59	B
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	3	BJ
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1925.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 22 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0253

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1925.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 22 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (18.18)	18.18	13	J
2.	Unknown (22.82)	22.82	18	BJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1926.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	1	J
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	69	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	2	BJ
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1936.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	3	J
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	2	BJ
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	1	BJ
120-82-1	1,2,4-Trichlorobenzene	1	BJ

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0254

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1926.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

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

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown (7.93)	7.93	7	J
2.		Unknown (18.17)	18.17	21	J
3.	000673-32-5	Benzene, 1-propynyl-	22.59	24	NJ
4.		Unknown (22.82)	22.82	18	BJ
5.	000095-15-8	Benzo(b)thiophene	27.23	9	NJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1928.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 10 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	64	B
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	40	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	6	BJ
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	15	
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1929.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 10 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	28	
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	3	BJ
100-42-5	Styrene	2	J
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0255

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1929.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 10 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown (7.93)	7.93	7	J
2.		Unknown (18.18)	18.18	7	J
3.	000673-32-5	Benzene, 1-propynyl-	22.59	13	NJ
4.		Unknown (23.93)	23.93	7	J
5.	004265-25-2	Benzofuran, 2-methyl-	24.18	10	NJ
6.	065051-83-4	Benzene, (1-methyl-2-cyclopropen-1-yl)-	25.63	8	NJ
7.	016198-39-3	2-Vinyl-2,3-dihydrobenzofuran	26.65	10	NJ
8.	000095-15-8	Benzo(b)thiophene	27.23	20	NJ
9.	000090-12-0	Naphthalene, 1-methyl- (30.04)	30.04	110	NJ
10.	000090-12-0	Naphthalene, 1-methyl- (30.66)	30.66	65	NJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1930.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 12 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

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

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	38	B
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	40	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	4	BJ
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	4	J
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	15	
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1930.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 12 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg)

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	30	
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	4	BJ
100-42-5	Styrene	2	J
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0256

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1930.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 12 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 12 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown (7.94)	7.94	8	J
2.	000541-05-9	Cyclotrisiloxane, hexamethyl-	12.96	8	BNJ
3.		Unknown (18.18)	18.18	8	J
4.	000673-32-5	Benzene, 1-propynyl-	22.60	13	NJ
5.		Unknown (23.93)	23.93	7	J
6.	017059-52-8	Benzofuran, 7-methyl-	24.18	9	NJ
7.	065051-83-4	Benzene, (1-methyl-2-cyclopropen-1-yl)-	25.63	9	NJ
8.		Unknown (25.92)	25.92	7	J
9.	088409-10-3	6,7-Dihydro-1H-cyclooctapyrazole	26.65	11	NJ
10.	000095-15-8	Benzo(b)thiophene	27.24	19	NJ
11.	000090-12-0	Naphthalene, 1-methyl- (30.04)	30.04	140	NJ
12.	000090-12-0	Naphthalene, 1-methyl- (30.67)	30.67	110	NJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-011A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1923.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	7	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

ORIGINAL (Red)

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-011A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1823.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

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

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	1	J
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	1	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	1	J
95-50-1	1,2-Dichlorobenzene	1	J
96-12-8	1,2-Dibromo-3-chloropropane	2	J
120-82-1	1,2,4-Trichlorobenzene	2	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKAG

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-011A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1923.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 6 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown (4.24)	4.24	48	J
2.	000075-07-0	Acetaldehyde	5.16	6	NJ
3.	000541-05-9	Cyclotrisiloxane, hexamethyl-	12.97	26	NJ
4.	000556-67-2	Cyclotetrasiloxane, octamethyl-	18.17	7	NJ
5.		Unknown (22.82)	22.82	9	J
6.		Unknown (23.67)	23.67	6	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2417.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2417.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

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

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	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
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLKBB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: B2417.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. Date Analyzed: 05/08/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKAA

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-009A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1938.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	1	BJ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKAA

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-009A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1938.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	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
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKAA

Lab Name Clayton Group Services Contract 68-W-99-069

Lab Code CLAYTN Case No. 29223 SAS No. _____ SDG No. C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-009A

Sample wt/vol: 5 (g/mL) G Lab File ID: A1938.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 0 Date Analyzed: 05/09/01

GC Column DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown	4.25	63	J

FORM I VOA-TIC

SLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005B

Sample wt/vol: 5 (g/mL) G Lab File ID: A1928.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	75	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	2	BJ
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	8	J
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-005B

Sample wt/vol: 5 (g/mL) G Lab File ID: A1928.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	51	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	25	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	2	BJ
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005C

Sample wt/vol: 5 (g/mL) G Lab File ID: A1937.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	2	J
75-35-4	1,1-Dichloroethene	62	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	30	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	2	BJ
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	13	
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	71	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005C

Sample wt/vol: 5 (g/mL) G Lab File ID: A1937.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: not dec. 14 Date Analyzed: 05/09/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (µL) Soil Aliquot Volume ____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	80	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	75	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	29	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	4	BJ
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0250

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29323 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1202.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/09/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	0.9	BJ
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	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
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0250

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: C1050237-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1202.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/09/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	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
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	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	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0250

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: Clayton Group Services Contract: 68-W-99-069

ab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

atrix: (soil/water) WATER Lab Sample ID: 01050237-001B

ample wt/vol: 1000 (g/mL) ML Lab File ID: E1202.D

evel: (low/med) LOW Date Received: 05/08/01

Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

oncentrated Extract Volume: 1000 (µl) Date Analyzed: 05/09/01

njection Volume: 2 (µl) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

C0252

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0252

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-003B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1212.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	12000	U
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	1900	BJ
106-44-5	4-Methylphenol	12000	U
621-64-7	N-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	31000	U
92-52-4	1,1'-Biphenyl	12000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	31000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	12000	U
99-09-2	3-Nitroaniline	31000	U
83-32-9	Acenaphthene	12000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0252

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1212.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	31000	U
100-02-7	4-Nitrophenol	31000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	12000	U
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	31000	U
534-52-1	4,6-Dinitro-2-methylphenol	31000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	31000	U
85-01-8	Phenanthrene	19000	
120-12-7	Anthracene	3500	J
86-74-8	Carbazole	1300	J
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	35000	
129-00-0	Pyrene	28000	
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	18000	
218-01-9	Chrysene	24000	
117-81-7	bis(2-Ethylhexyl)phthalate	1500	J
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	16000	
207-08-9	Benzo(k)fluoranthene	15000	
50-32-8	Benzo(a)pyrene	14000	
193-39-5	Indeno(1,2,3-cd)pyrene	12000	
53-70-3	Dibenzo(a,h)anthracene	4600	J
191-24-2	Benzo(g,h,i)perylene	15000	

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0252

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003E

Sample wt/vol: 1 (g/mL) G Lab File ID: E1212.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1		Unknown PAH (17.4)	17.40	3600	J
2.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.77	5200	NJ
3.		Unknown aromatic	19.09	4300	J
4.	002381-21-7	Pyrene, 1-methyl-	19.15	2500	NJ
5.	000483-65-8	Phenanthrene, 1-methyl-7-(1-methylethyl)	19.26	2800	NJ
6.	000243-17-4	11H-Benzo(b)fluorene	19.36	5200	NJ
7.		Unknown PAH (19.54)	19.54	5700	J
8.	000082-05-3	7H-Benz(de)anthracen-7-one	20.27	3500	NJ
9.	000239-35-0	Benzo(b)naphtho(2,1-d)thiophene	20.49	4000	NJ
10.		Unknown (20.61)	20.61	2900	J
11.		Unknown (21.55)	21.55	3300	J
12.	001705-84-6	Triphenylene, 2-methyl-	21.94	3100	NJ
13		Unknown (24.59)	24.59	2600	J
14.	000192-97-2	Benzo(e)pyrene	24.95	16000	NJ
15.		Unknown PAH (25.46)	25.46	3700	J
16.		Unknown PAH (29.6)	29.60	2700	J
17.		Unknown PAH (30.49)	30.49	3100	J
18.		Unknown PAH (30.68)	30.68	3300	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

C0253

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1218.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/11/01

Injection Volume: 2 (uL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	180	J
108-95-2	Phenol	69	J
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
95-48-7	2-Methylphenol	1300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	U
98-86-2	Acetophenone	140	J
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
91-20-3	Naphthalene	580	J
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
105-60-2	Caprolactam	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	110	J
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	3200	U
92-52-4	1,1'-Biphenyl	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethylphthalate	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
208-96-8	Acenaphthylene	920	J
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	180	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29233 SAS No.: _____ SDG No.: C0253

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1218.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	3200	U
132-64-9	Dibenzofuran	190	J
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	360	J
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	270	J
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
1912-24-9	Atrazine	1300	U
87-86-5	Pentachlorophenol	3200	U
85-01-8	Phenanthrene	5600	
120-12-7	Anthracene	1200	J
86-74-8	Carbazole	670	J
84-74-2	Di-n-butylphthalate	92	J
206-44-0	Fluoranthene	13000	E
129-00-0	Pyrene	10000	E
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)anthracene	8000	
218-01-9	Chrysene	9400	
117-81-7	bis(2-Ethylhexyl)phthalate	4800	
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo(b)fluoranthene	7600	
207-08-9	Benzo(k)fluoranthene	6800	
50-32-8	Benzo(a)pyrene	7600	
193-39-5	Indeno(1,2,3-cd)pyrene	4100	
53-70-3	Dibenzo(a,h)anthracene	1600	
191-24-2	Benzo(g,h,i)perylene	4000	

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0253

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1218.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 30 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown aromatic (17.01)	17.01	1400	J
2.		Unknown hydrocarbon (17.41)	17.41	1700	J
3.	000149-30-4	2(3H)-Benzothiazolethione	17.50	2600	NJ
4.		Unknown aromatic (18.09)	18.09	1100	J
5.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.76	1100	NJ
6.		Unknown aromatic (19.1)	19.10	2300	J
7.	000243-17-4	11H-Benzo(b)fluorene (19.35)	19.35	2200	NJ
8.	000243-17-4	11H-Benzo(b)fluorene (19.46)	19.46	2000	NJ
9.		Unknown (19.54)	19.54	7800	J
10.		Unknown aromatic (20.27)	20.27	1100	J
11.	000239-35-0	Benzo(b)naphtho(2,1-d)thiophene	20.50	2800	NJ
12.	031053-52-8	Selenophene, 2-(methylselenyl)-	20.62	1300	NJ
13.		Unknown hydrocarbon (21.3)	21.30	990	J
14.	000082-05-3	7H-Benz(de)anthracen-7-one	21.38	1800	NJ
15.		Unknown aromatic (21.55)	21.55	2500	J
16.	001705-84-6	Triphenylene, 2-methyl-	21.94	1900	NJ
17.	002381-16-0	Benz(a)anthracene, 9-methyl-	22.07	1500	NJ
18.	015087-24-8	Benzylidenecamphor (22.28)	22.28	970	NJ
19.	015087-24-8	Benzylidenecamphor (22.36)	22.36	990	NJ
20.		Unknown (22.43)	22.43	1400	J
21.		Unknown (23.48)	23.48	1200	J
22.		Unknown hydrocarbon (24.34)	24.34	1700	J
23.	080249-75-8	3,4-EPOXY-4A-ETHYL-2,3,4,4A,5,6-HEXAH	24.61	1200	NJ
24.		Unknown PAH (25)	25.00	6500	J
25.	000198-55-0	Perylene	25.50	2700	NJ
26.		Unknown (25.98)	25.98	2100	J
27.	020244-32-0	Dibenz(a,j)anthracene, 7,14-dihydro-	28.22	960	NJ
28		Unknown PAH (29.63)	29.63	1100	J
29	000215-58-7	1,2:3,4-Dibenzoanthracene	30.52	1300	NJ
30		8B,13:8A,14-DIEPOXY-14,15-BISNORLABD	30.73	1500	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1227.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	4200	U
108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl)ether	4200	U
95-57-8	2-Chlorophenol	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4200	U
98-86-2	Acetophenone	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-di-n-propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
111-91-1	bis(2-Chloroethoxy)methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
91-20-3	Naphthalene	490	DJ
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
105-60-2	Caprolactam	4200	U
59-50-7	4-Chloro-3-methylphenol	4200	U
91-57-6	2-Methylnaphthalene	4200	U
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	11000	U
92-52-4	1,1'-Biphenyl	4200	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U
208-96-8	Acenaphthylene	740	DJ
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	4200	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1227.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	4200	U
121-14-2	2,4-Dinitrotoluene	4200	U
84-66-2	Diethylphthalate	4200	U
86-73-7	Fluorene	290	DJ
7005-72-3	4-Chlorophenyl-phenylether	4200	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	4200	U
101-55-3	4-Bromophenyl-phenylether	4200	U
118-74-1	Hexachlorobenzene	4200	U
1912-24-9	Atrazine	4200	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	4800	D
120-12-7	Anthracene	1300	DJ
86-74-8	Carbazole	590	DJ
84-74-2	Di-n-butylphthalate	4200	U
206-44-0	Fluoranthene	9900	D
129-00-0	Pyrene	9100	D
85-68-7	Butylbenzylphthalate	4200	U
91-94-1	3,3'-Dichlorobenzidine	4200	U
56-55-3	Benzo(a)anthracene	6300	D
218-01-9	Chrysene	7300	D
117-81-7	bis(2-Ethylhexyl)phthalate	4300	D
117-84-0	Di-n-octylphthalate	4200	U
205-99-2	Benzo(b)fluoranthene	6000	D
207-08-9	Benzo(k)fluoranthene	5500	D
50-32-8	Benzo(a)pyrene	6100	D
193-39-5	Indeno(1,2,3-cd)pyrene	5900	D
53-70-3	Dibenzo(a,h)anthracene	2100	DJ
191-24-2	Benzo(g,h,i)perylene	6800	D

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0253DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004B

Sample wt/vol: 30 (g/mL) G Lab File ID: E1227.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/12/01

Injection Volume: 2 (µl) Dilution Factor: 10.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 27 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000883-20-5	Phenanthrene, 9-methyl-	17.15	920	NJ
2.	000613-12-7	Anthracene, 2-methyl-	17.22	1300	NJ
3.		Unknown (17.41)	17.41	1800	J
4.	000149-30-4	2(3H)-Benzothiazolethione	17.49	2100	NJ
5.		Unknown (18.12)	18.12	1200	J
6.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.76	1500	NJ
7.		Unknown (19.1)	19.10	2400	J
8.	002381-21-7	Pyrene, 1-methyl-	19.16	1000	NJ
9.	000243-17-4	11H-Benzo(b)fluorene (19.35)	19.35	2400	NJ
10.	000243-17-4	11H-Benzo(b)fluorene (19.45)	19.45	2100	NJ
11.		Unknown (19.54)	19.54	7200	J
12		Unknown aromatic (20.26)	20.26	1000	J
13.		Benzo(b)naphtho(2,3-d)thiophene	20.48	2700	J
14.		Unknown PAH (20.62)	20.62	1200	J
15		Unknown aromatic (21.39)	21.39	1300	J
16.		Unknown PAH (21.55)	21.55	1900	J
17.		Unknown PAH (21.94)	21.94	1500	J
18.		Unknown aromatic (23.44)	23.44	1500	J
19.	094692-10-1	1-PHENYL-4-FORMAMIDO-5-(1-PYRRYL)P	24.30	2000	NJ
20.		Unknown (24.59)	24.59	1300	J
21.	000192-97-2	Benzo(e)pyrene	24.96	6000	NJ
22.		Unknown PAH (25.47)	25.47	2000	J
23.		Unknown (25.97)	25.97	1900	J
24.		Unknown (29.59)	29.59	1000	J
25		Unknown PAH (30.48)	30.48	1500	J
26.		Unknown PAH (30.69)	30.69	1500	J
27.		Unknown aromatic (31.97)	31.97	1400	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 09223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

Sample wt/vol: 1 (g/mL) G Lab File ID: E1213.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	12000	U
108-95-2	Phenol	1800	J
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	2300	BJ
106-44-5	4-Methylphenol	1300	J
621-64-7	N-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	180000	E
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	15000	
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
92-52-4	1,1'-Biphenyl	3000	J
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	6600	J
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	12000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

Sample wt/vol: 1 (g/mL) G Lab File ID: E1213.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	29000	U
100-02-7	4-Nitrophenol	29000	U
132-64-9	Dibenzofuran	8300	J
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	2400	J
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	29000	U
534-52-1	4,6-Dinitro-2-methylphenol	29000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	29000	U
85-01-8	Phenanthrene	40000	
120-12-7	Anthracene	5500	J
86-74-8	Carbazole	1800	J
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	31000	
129-00-0	Pyrene	25000	
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	16000	
218-01-9	Chrysene	15000	
117-81-7	bis(2-Ethylhexyl)phthalate	2100	J
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	11000	J
207-08-9	Benzo(k)fluoranthene	13000	
50-32-8	Benzo(a)pyrene	12000	
193-39-5	Indeno(1,2,3-cd)pyrene	9700	J
53-70-3	Dibenzo(a,h)anthracene	3500	J
191-24-2	Benzo(g,h,i)perylene	10000	J

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0254

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

Sample wt/vol: 1 (g/mL) G Lab File ID: E1213.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000095-13-6	1H-Indene	7.56	3100	NJ
2.	000095-15-8	Benzo(b)thiophene	9.94	3800	NJ
3.	000090-12-0	Naphthalene, 1-methyl-	11.62	5600	NJ
4.		Unknown (15.03)	15.03	4000	J
5.	000486-25-9	9H-Fluoren-9-one	15.96	12000	NJ
6.	000610-48-0	Anthracene, 1-methyl-	17.16	4400	NJ
7.	000203-64-5	4H-Cyclopenta(def)phenanthrene	17.39	6900	NJ
8.		Unknown hydrocarbon	17.65	3100	J
9.	000084-65-1	9,10-Anthracenedione	17.73	6000	NJ
10.		Unknown (18.12)	18.12	4200	J
11.	000081-84-5	1H,3H-Naphtho(1,8-cd)pyran-1,3-dione	18.22	11000	NJ
12.	005737-13-3	CYCLOPENTA(DEF)PHENANTHRENONE	18.31	6500	NJ
13.	000886-66-8	Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bi	18.58	4100	NJ
14.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.76	3800	NJ
15.		Unknown (19.08)	19.08	3100	J
16.	002381-21-7	Pyrene, 1-methyl-	19.17	3200	NJ
17.	000243-17-4	11H-Benzo(b)fluorene	19.35	5900	NJ
18.		Unknown PAH (19.46)	19.46	4100	J
19.		Unknown PAH (19.54)	19.54	4200	J
20.	006051-98-5	7H-Benzo(c)fluoren-7-one	20.27	3000	NJ
21.	000082-05-3	7H-Benz(de)anthracen-7-one (20.49)	20.49	4000	NJ
22.		Unknown aromatic	20.67	5700	J
23.	000082-05-3	7H-Benz(de)anthracen-7-one (21.37)	21.37	4100	NJ
24.	001705-84-6	Triphenylene, 2-methyl-	21.94	3400	NJ
25.		Unknown (23.44)	23.44	3500	J
26.		Unknown PAH (24.31)	24.31	5800	J
27.	000198-55-0	Perylene	24.95	12000	NJ
28.		Unknown PAH (25.45)	25.45	3600	J
29.		Unknown (25.94)	25.94	3200	J
30.		Unknown (29.59)	29.59	3100	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

Sample wt/vol: 1 (g/mL) G Lab File ID: E1217.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	35000	U
108-95-2	Phenol	1800	DJ
111-44-4	bis(2-Chloroethyl)ether	35000	U
95-57-8	2-Chlorophenol	35000	U
95-48-7	2-Methylphenol	35000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35000	U
98-86-2	Acetophenone	1700	DBJ
106-44-5	4-Methylphenol	35000	U
621-64-7	N-Nitroso-di-n-propylamine	35000	U
67-72-1	Hexachloroethane	35000	U
98-95-3	Nitrobenzene	35000	U
78-59-1	Isophorone	35000	U
88-75-5	2-Nitrophenol	35000	U
105-67-9	2,4-Dimethylphenol	35000	U
111-91-1	bis(2-Chloroethoxy)methane	35000	U
120-83-2	2,4-Dichlorophenol	35000	U
91-20-3	Naphthalene	180000	D
106-47-8	4-Chloroaniline	35000	U
87-68-3	Hexachlorobutadiene	35000	U
105-60-2	Caprolactam	35000	U
59-50-7	4-Chloro-3-methylphenol	35000	U
91-57-6	2-Methylnaphthalene	15000	DJ
77-47-4	Hexachlorocyclopentadiene	35000	U
88-06-2	2,4,6-Trichlorophenol	35000	U
95-95-4	2,4,5-Trichlorophenol	87000	U
92-52-4	1,1'-Biphenyl	2900	DJ
91-58-7	2-Chloronaphthalene	35000	U
88-74-4	2-Nitroaniline	87000	U
131-11-3	Dimethylphthalate	35000	U
606-20-2	2,6-Dinitrotoluene	35000	U
208-96-8	Acenaphthylene	6800	DJ
99-09-2	3-Nitroaniline	87000	U
83-32-9	Acenaphthene	35000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

Sample wt/vol: 1 (g/mL) G Lab File ID: E1217.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	87000	U
100-02-7	4-Nitrophenol	87000	U
132-64-9	Dibenzofuran	8400	DJ
121-14-2	2,4-Dinitrotoluene	35000	U
84-66-2	Diethylphthalate	35000	U
86-73-7	Fluorene	2200	DJ
7005-72-3	4-Chlorophenyl-phenylether	35000	U
100-01-6	4-Nitroaniline	87000	U
534-52-1	4,6-Dinitro-2-methylphenol	87000	U
86-30-6	N-Nitrosodiphenylamine (1)	35000	U
101-55-3	4-Bromophenyl-phenylether	35000	U
118-74-1	Hexachlorobenzene	35000	U
1912-24-9	Atrazine	35000	U
87-86-5	Pentachlorophenol	87000	U
85-01-8	Phenanthrene	42000	D
120-12-7	Anthracene	6600	DJ
86-74-8	Carbazole	1800	DJ
84-74-2	Di-n-butylphthalate	35000	U
206-44-0	Fluoranthene	33000	DJ
129-00-0	Pyrene	24000	DJ
85-68-7	Butylbenzylphthalate	35000	U
91-94-1	3,3'-Dichlorobenzidine	35000	U
56-55-3	Benzo(a)anthracene	17000	DJ
218-01-9	Chrysene	16000	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	2000	DJ
117-84-0	Di-n-octylphthalate	35000	U
205-99-2	Benzo(b)fluoranthene	12000	DJ
207-08-9	Benzo(k)fluoranthene	14000	DJ
50-32-8	Benzo(a)pyrene	13000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	10000	DJ
53-70-3	Dibenzo(a,h)anthracene	3400	DJ
191-24-2	Benzo(g,h,i)perylene	11000	DJ

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0254DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: Clayton Group Services Contract: 68-W-99-069

ab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

atrix: (soil/water) SOIL Lab Sample ID: 01050237-005D

ample wt/vol: 1 (g/mL) G Lab File ID: E1217.D

evel: (low/med) MED Date Received: 05/08/01

Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

oncentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

njection Volume: 2 (µl) Dilution Factor: 3.00

PC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

umber TICs found: 4 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000486-25-9	9H-Fluoren-9-one	15.95	12000	NJ
2.	Unknown PAH	17.41	7200	J
3	Unknown	18.22	13000	J
4. 000192-97-2	Benzo(e)pyrene	24.94	11000	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29023 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1224.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	66000	U
108-95-2	Phenol	6100	J
111-44-4	bis(2-Chloroethyl)ether	66000	U
95-57-8	2-Chlorophenol	66000	U
95-48-7	2-Methylphenol	66000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	66000	U
98-86-2	Acetophenone	4900	BJ
106-44-5	4-Methylphenol	3600	J
621-64-7	N-Nitroso-di-n-propylamine	66000	U
67-72-1	Hexachloroethane	66000	U
98-95-3	Nitrobenzene	66000	U
78-59-1	Isophorone	66000	U
88-75-5	2-Nitrophenol	66000	U
105-67-9	2,4-Dimethylphenol	66000	U
111-91-1	bis(2-Chloroethoxy)methane	66000	U
120-83-2	2,4-Dichlorophenol	66000	U
91-20-3	Naphthalene	42000	J
106-47-8	4-Chloroaniline	66000	U
87-68-3	Hexachlorobutadiene	66000	U
105-60-2	Caprolactam	66000	U
59-50-7	4-Chloro-3-methylphenol	66000	U
91-57-6	2-Methylnaphthalene	18000	J
77-47-4	Hexachlorocyclopentadiene	66000	U
88-06-2	2,4,6-Trichlorophenol	66000	U
95-95-4	2,4,5-Trichlorophenol	170000	U
92-52-4	1,1'-Biphenyl	5200	J
91-58-7	2-Chloronaphthalene	66000	U
88-74-4	2-Nitroaniline	170000	U
131-11-3	Dimethylphthalate	66000	U
606-20-2	2,6-Dinitrotoluene	66000	U
208-96-8	Acenaphthylene	250000	
99-09-2	3-Nitroaniline	170000	U
83-32-9	Acenaphthene	15000	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1224.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	170000	U
100-02-7	4-Nitrophenol	170000	U
132-64-9	Dibenzofuran	65000	J
121-14-2	2,4-Dinitrotoluene	66000	U
84-66-2	Diethylphthalate	66000	U
86-73-7	Fluorene	160000	
7005-72-3	4-Chlorophenyl-phenylether	66000	U
100-01-6	4-Nitroaniline	170000	U
534-52-1	4,6-Dinitro-2-methylphenol	170000	U
86-30-6	N-Nitrosodiphenylamine (1)	66000	U
101-55-3	4-Bromophenyl-phenylether	66000	U
118-74-1	Hexachlorobenzene	66000	U
1912-24-9	Atrazine	66000	U
87-86-5	Pentachlorophenol	170000	U
85-01-8	Phenanthrene	1300000	E
120-12-7	Anthracene	460000	
86-74-8	Carbazole	58000	J
84-74-2	Di-n-butylphthalate	66000	U
206-44-0	Fluoranthene	2500000	E
129-00-0	Pyrene	1700000	E
85-68-7	Butylbenzylphthalate	66000	U
91-94-1	3,3'-Dichlorobenzidine	66000	U
56-55-3	Benzo(a)anthracene	1300000	E
218-01-9	Chrysene	1100000	E
117-81-7	bis(2-Ethylhexyl)phthalate	5300	J
117-84-0	Di-n-octylphthalate	66000	U
205-99-2	Benzo(b)fluoranthene	1100000	E
207-08-9	Benzo(k)fluoranthene	680000	E
50-32-8	Benzo(a)pyrene	980000	E
193-39-5	Indeno(1,2,3-cd)pyrene	330000	
53-70-3	Dibenzo(a,h)anthracene	120000	
191-24-2	Benzo(g,h,i)perylene	280000	

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0255

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1224.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 30 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000486-25-9	9H-Fluoren-9-one	15.96	98000	NJ
2.	000613-12-7	Anthracene, 2-methyl- (17.15)	17.15	130000	NJ
3.	000613-12-7	Anthracene, 2-methyl- (17.22)	17.22	170000	NJ
4.	000203-64-5	4H-Cyclopenta(def)phenanthrene	17.41	440000	NJ
5.		Unknown PAH (17.64)	17.64	96000	J
6.		Unknown (18.32)	18.32	140000	J
7.		Unknown PAH (18.59)	18.59	380000	J
8.		Unknown (18.71)	18.71	91000	J
9.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.78	240000	NJ
10.	001210-12-4	9-Anthracenecarbonitrile	19.10	120000	NJ
11.	002381-21-7	Pyrene, 1-methyl-	19.17	190000	NJ
12.	000243-17-4	11H-Benzo(b)fluorene (19.37)	19.37	420000	NJ
13.	000243-17-4	11H-Benzo(b)fluorene (19.47)	19.47	240000	NJ
14.	003353-12-6	Pyrene, 4-methyl-	19.55	160000	NJ
15.		Unknown aromatic (20.09)	20.09	84000	J
16.	000082-05-3	7H-Benz(de)anthracen-7-one (20.28)	20.28	180000	NJ
17.		Unknown aromatic (20.5)	20.50	210000	J
18.		Unknown PAH (20.55)	20.55	100000	J
19.		Unknown PAH (20.62)	20.62	210000	J
20.	000082-05-3	7H-Benz(de)anthracen-7-one (20.69)	20.69	220000	NJ
21.	000082-05-3	7H-Benz(de)anthracen-7-one (21.4)	21.40	230000	NJ
22.	093939-01-6	2-ETHOXY-6-OXO-1-(PROP-2'-ENYL)-1,2-	21.55	110000	NJ
23.	006111-78-0	Benz(a)anthracene, 11-methyl-	21.95	150000	NJ
24.		THEBAOL	23.49	85000	J
25.		Unknown PAH (24.37)	24.37	210000	J
26.		Unknown (24.62)	24.62	92000	J
27.	000198-55-0	Perylene (25.03)	25.03	550000	NJ
28.	000198-55-0	Perylene (25.54)	25.54	260000	NJ
29.		Unknown PAH (29.62)	29.62	83000	J
30.	000215-58-7	1,2:3,4-Dibenzoanthracene	30.54	87000	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0255

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1241.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 30.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	660000	U
108-95-2	Phenol	660000	U
111-44-4	bis(2-Chloroethyl)ether	660000	U
95-57-8	2-Chlorophenol	660000	U
95-48-7	2-Methylphenol	660000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660000	U
98-86-2	Acetophenone	660000	U
106-44-5	4-Methylphenol	660000	U
621-64-7	N-Nitroso-di-n-propylamine	660000	U
67-72-1	Hexachloroethane	660000	U
98-95-3	Nitrobenzene	660000	U
78-59-1	Isophorone	660000	U
88-75-5	2-Nitrophenol	660000	U
105-67-9	2,4-Dimethylphenol	660000	U
111-91-1	bis(2-Chloroethoxy)methane	660000	U
120-83-2	2,4-Dichlorophenol	660000	U
91-20-3	Naphthalene	36000	DJ
106-47-8	4-Chloroaniline	660000	U
87-68-3	Hexachlorobutadiene	660000	U
105-60-2	Caprolactam	660000	U
59-50-7	4-Chloro-3-methylphenol	660000	U
91-57-6	2-Methylnaphthalene	660000	U
77-47-4	Hexachlorocyclopentadiene	660000	U
88-06-2	2,4,6-Trichlorophenol	660000	U
95-95-4	2,4,5-Trichlorophenol	1700000	U
92-52-4	1,1'-Biphenyl	660000	U
91-58-7	2-Chloronaphthalene	660000	U
88-74-4	2-Nitroaniline	1700000	U
131-11-3	Dimethylphthalate	660000	U
606-20-2	2,6-Dinitrotoluene	660000	U
208-96-8	Acenaphthylene	180000	DJ
99-09-2	3-Nitroaniline	1700000	U
83-32-9	Acenaphthene	660000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1241.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 30.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700000	U
100-02-7	4-Nitrophenol	1700000	U
132-64-9	Dibenzofuran	56000	DJ
121-14-2	2,4-Dinitrotoluene	660000	U
84-66-2	Diethylphthalate	660000	U
86-73-7	Fluorene	150000	DJ
7005-72-3	4-Chlorophenyl-phenylether	660000	U
100-01-6	4-Nitroaniline	1700000	U
534-52-1	4,6-Dinitro-2-methylphenol	1700000	U
86-30-6	N-Nitrosodiphenylamine (1)	660000	U
101-55-3	4-Bromophenyl-phenylether	660000	U
118-74-1	Hexachlorobenzene	660000	U
1912-24-9	Atrazine	660000	U
87-86-5	Pentachlorophenol	1700000	U
85-01-8	Phenanthrene	1000000	D
120-12-7	Anthracene	430000	DJ
86-74-8	Carbazole	52000	DJ
84-74-2	Di-n-butylphthalate	660000	U
206-44-0	Fluoranthene	2600000	D
129-00-0	Pyrene	1700000	D
85-68-7	Butylbenzylphthalate	660000	U
91-94-1	3,3'-Dichlorobenzidine	660000	U
56-55-3	Benzo(a)anthracene	950000	D
218-01-9	Chrysene	870000	D
117-81-7	bis(2-Ethylhexyl)phthalate	660000	U
117-84-0	Di-n-octylphthalate	660000	U
205-99-2	Benzo(b)fluoranthene	650000	DJ
207-08-9	Benzo(k)fluoranthene	660000	D
50-32-8	Benzo(a)pyrene	760000	D
193-39-5	Indeno(1,2,3-cd)pyrene	540000	DJ
53-70-3	Dibenzo(a,h)anthracene	180000	DJ
191-24-2	Benzo(g,h,i)perylene	590000	DJ

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0255DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1241.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/12/01

Injection Volume: 2 (µl) Dilution Factor: 30.00

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 19 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000613-12-7	Anthracene, 2-methyl-	17.20	140000	NJ
2.	000203-64-5	4H-Cyclopenta(def)phenanthrene	17.39	390000	NJ
3.		Unknown aromatic	18.57	340000	J
4.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.76	260000	NJ
5.		Unknown PAH (19.15)	19.15	180000	J
6.	000243-17-4	11H-Benzo(b)fluorene (19.35)	19.35	390000	NJ
7.	000243-17-4	11H-Benzo(b)fluorene (19.45)	19.45	210000	NJ
8.	003353-12-6	Pyrene, 4-methyl-	19.54	180000	NJ
9.	000082-05-3	7H-Benz(de)anthracen-7-one (20.26)	20.26	150000	NJ
10.		Unknown (20.48)	20.48	180000	J
11.		Unknown hydrocarbon	20.60	190000	J
12.	000082-05-3	7H-Benz(de)anthracen-7-one (20.67)	20.67	160000	NJ
13.	000082-05-3	7H-Benz(de)anthracen-7-one (21.36)	21.36	210000	NJ
14.	001705-84-6	Triphenylene, 2-methyl-	21.94	170000	NJ
15.		Unknown PAH (24.3)	24.30	270000	J
16.	000192-97-2	Benzo(e)pyrene	24.93	660000	NJ
17.		Unknown (25.45)	25.45	220000	J
18.		Unknown (30.45)	30.45	140000	J
19.		Unknown PAH (31.94)	31.94	180000	J

(Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: 30250

Matrix: (soil/water) SOIL Lab Sample ID: 01050037-007B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1228.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	110000	U
108-95-2	Phenol	9000	J
111-44-4	bis(2-Chloroethyl)ether	110000	U
95-57-8	2-Chlorophenol	110000	U
95-48-7	2-Methylphenol	110000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	110000	U
98-86-2	Acetophenone	110000	U
106-44-5	4-Methylphenol	110000	U
621-64-7	N-Nitroso-di-n-propylamine	110000	U
67-72-1	Hexachloroethane	110000	U
98-95-3	Nitrobenzene	110000	U
78-59-1	Isophorone	110000	U
88-75-5	2-Nitrophenol	110000	U
105-67-9	2,4-Dimethylphenol	110000	U
111-91-1	bis(2-Chloroethoxy)methane	110000	U
120-83-2	2,4-Dichlorophenol	110000	U
91-20-3	Naphthalene	53000	J
106-47-8	4-Chloroaniline	110000	U
87-68-3	Hexachlorobutadiene	110000	U
105-60-2	Caprolactam	110000	U
59-50-7	4-Chloro-3-methylphenol	110000	U
91-57-6	2-Methylnaphthalene	22000	J
77-47-4	Hexachlorocyclopentadiene	110000	U
88-06-2	2,4,6-Trichlorophenol	110000	U
95-95-4	2,4,5-Trichlorophenol	280000	U
92-52-4	1,1'-Biphenyl	6600	J
91-58-7	2-Chloronaphthalene	110000	U
88-74-4	2-Nitroaniline	280000	U
131-11-3	Dimethylphthalate	110000	U
606-20-2	2,6-Dinitrotoluene	110000	U
208-96-8	Acenaphthylene	460000	
99-09-2	3-Nitroaniline	280000	U
83-32-9	Acenaphthene	22000	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

C0256

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050257-007B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1228.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	280000	U
100-02-7	4-Nitrophenol	280000	U
132-64-9	Dibenzofuran	98000	J
121-14-2	2,4-Dinitrotoluene	110000	U
84-66-2	Diethylphthalate	110000	U
86-73-7	Fluorene	260000	
7005-72-3	4-Chlorophenyl-phenylether	110000	U
100-01-6	4-Nitroaniline	280000	U
534-52-1	4,6-Dinitro-2-methylphenol	280000	U
86-30-6	N-Nitrosodiphenylamine (1)	110000	U
101-55-3	4-Bromophenyl-phenylether	110000	U
118-74-1	Hexachlorobenzene	110000	U
1912-24-9	Atrazine	110000	U
87-86-5	Pentachlorophenol	280000	U
85-01-8	Phenanthrene	2400000	E
120-12-7	Anthracene	820000	
86-74-8	Carbazole	81000	J
84-74-2	Di-n-butylphthalate	110000	U
206-44-0	Fluoranthene	4900000	E
129-00-0	Pyrene	2700000	E
85-68-7	Butylbenzylphthalate	110000	U
91-94-1	3,3'-Dichlorobenzidine	110000	U
56-55-3	Benzo(a)anthracene	2600000	E
218-01-9	Chrysene	2000000	E
117-81-7	bis(2-Ethylhexyl)phthalate	59000	J
117-84-0	Di-n-octylphthalate	110000	U
205-99-2	Benzo(b)fluoranthene	2200000	E
207-08-9	Benzo(k)fluoranthene	1700000	E
50-32-8	Benzo(a)pyrene	2200000	E
193-39-5	Indeno(1,2,3-cd)pyrene	980000	E
53-70-3	Dibenzo(a,h)anthracene	350000	
191-24-2	Benzo(g,h,i)perylene	850000	

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

C0256

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1228.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/12/01

Injection Volume: 2 (µl) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 30 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000613-12-7	Anthracene, 2-methyl- (17.16)	17.16	220000	NJ
2.	000613-12-7	Anthracene, 2-methyl- (17.21)	17.21	250000	NJ
3.	000203-64-5	4H-Cyclopenta(def)phenanthrene	17.41	780000	NJ
4.		Unknown aromatic	18.22	220000	J
5.	005737-13-3	CYCLOPENTA(DEF)PHENANTHRENONE	18.32	270000	NJ
6.		Unknown PAH (18.59)	18.59	730000	J
7.		Unknown (18.71)	18.71	210000	J
8.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.78	510000	NJ
9.		1-AZAPYRENE	19.08	220000	J
10.	002381-21-7	Pyrene, 1-methyl- (19.17)	19.17	390000	NJ
11.	000243-17-4	11H-Benzo(b)fluorene (19.37)	19.37	1000000	NJ
12.	000243-17-4	11H-Benzo(b)fluorene (19.47)	19.47	680000	NJ
13.	002381-21-7	Pyrene, 1-methyl- (19.56)	19.56	430000	NJ
14.	002381-21-7	Pyrene, 1-methyl- (19.73)	19.73	250000	NJ
15.		Unknown (19.88)	19.88	210000	J
16.	000082-05-3	7H-Benz(de)anthracen-7-one (20.28)	20.28	320000	NJ
17.	000239-35-0	Benzo(b)naphtho(2,1-d)thiophene	20.50	420000	NJ
18.		Unknown (20.55)	20.55	320000	J
19.	031053-52-8	Selenophene, 2-(methylselenyl)-	20.62	490000	NJ
20.	000082-05-3	7H-Benz(de)anthracen-7-one (20.69)	20.69	390000	NJ
21.	000082-05-3	7H-Benz(de)anthracen-7-one (21.4)	21.40	600000	NJ
22.	034777-33-8	Benzo(c)carbazole	21.55	300000	NJ
23.	003351-31-3	Chrysene, 3-methyl-	21.96	420000	NJ
24.		Unknown (22.29)	22.29	210000	J
25.	015087-24-8	Benzylidenecamphor	22.38	230000	NJ
26.		Unknown PAH (24.37)	24.37	460000	J
27.	000198-55-0	Perylene	25.03	1200000	NJ
28.	000205-99-2	Benz(e)acephenanthrylene	25.54	590000	NJ
29.		Unknown (25.98)	25.98	210000	J
30.	000215-58-7	1,2:3,4-Dibenzoanthracene	30.56	210000	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256DL

ORIGINAL (Red)

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1242.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/12/01

Injection Volume: 2 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1100000	U
108-95-2	Phenol	1100000	U
111-44-4	bis(2-Chloroethyl)ether	1100000	U
95-57-8	2-Chlorophenol	1100000	U
95-48-7	2-Methylphenol	1100000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100000	U
98-86-2	Acetophenone	1100000	U
106-44-5	4-Methylphenol	1100000	U
621-64-7	N-Nitroso-di-n-propylamine	1100000	U
67-72-1	Hexachloroethane	1100000	U
98-95-3	Nitrobenzene	1100000	U
78-59-1	Isophorone	1100000	U
88-75-5	2-Nitrophenol	1100000	U
105-67-9	2,4-Dimethylphenol	1100000	U
111-91-1	bis(2-Chloroethoxy)methane	1100000	U
120-83-2	2,4-Dichlorophenol	1100000	U
91-20-3	Naphthalene	1100000	U
106-47-8	4-Chloroaniline	1100000	U
87-68-3	Hexachlorobutadiene	1100000	U
105-60-2	Caprolactam	1100000	U
59-50-7	4-Chloro-3-methylphenol	1100000	U
91-57-6	2-Methylnaphthalene	1100000	U
77-47-4	Hexachlorocyclopentadiene	1100000	U
88-06-2	2,4,6-Trichlorophenol	1100000	U
95-95-4	2,4,5-Trichlorophenol	2800000	U
92-52-4	1,1'-Biphenyl	1100000	U
91-58-7	2-Chloronaphthalene	1100000	U
88-74-4	2-Nitroaniline	2800000	U
131-11-3	Dimethylphthalate	1100000	U
606-20-2	2,6-Dinitrotoluene	1100000	U
208-96-8	Acenaphthylene	370000	DJ
99-09-2	3-Nitroaniline	2800000	U
83-32-9	Acenaphthene	1100000	U

0673 (cm) 5/16/01

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1242.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/13/01

Injection Volume: 2 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2800000	U
100-02-7	4-Nitrophenol	2800000	U
132-64-9	Dibenzofuran	91000	DJ
121-14-2	2,4-Dinitrotoluene	1100000	U
84-66-2	Diethylphthalate	1100000	U
86-73-7	Fluorene	260000	DJ
7005-72-3	4-Chlorophenyl-phenylether	1100000	U
100-01-6	4-Nitroaniline	2800000	U
534-52-1	4,6-Dinitro-2-methylphenol	2800000	U
86-30-6	N-Nitrosodiphenylamine (1)	1100000	U
101-55-3	4-Bromophenyl-phenylether	1100000	U
118-74-1	Hexachlorobenzene	1100000	U
1912-24-9	Atrazine	1100000	U
87-86-5	Pentachlorophenol	2800000	U
85-01-8	Phenanthrene	1700000	D
120-12-7	Anthracene	810000	DJ
86-74-8	Carbazole	74000	DJ
84-74-2	Di-n-butylphthalate	1100000	U
206-44-0	Fluoranthene	5800000	D
129-00-0	Pyrene	3400000	D
85-68-7	Butylbenzylphthalate	1100000	U
91-94-1	3,3'-Dichlorobenzidine	1100000	U
56-55-3	Benzo(a)anthracene	2100000	D
218-01-9	Chrysene	1800000	D
117-81-7	bis(2-Ethylhexyl)phthalate	100000	DJ
117-84-0	Di-n-octylphthalate	1100000	U
205-99-2	Benzo(b)fluoranthene	1500000	D
207-08-9	Benzo(k)fluoranthene	1400000	D
50-32-8	Benzo(a)pyrene	1700000	D
193-39-5	Indeno(1,2,3-cd)pyrene	1200000	D
53-70-3	Dibenzo(a,h)anthracene	380000	DJ
191-24-2	Benzo(g,h,i)perylene	1200000	D

(1) Cannot be separated from Diphenylamine

ORIGINAL (Red)

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0256DL

ab Name: Clayton Group Services Contract: 68-W-99-069

ab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

atrix: (soil/water) SOIL Lab Sample ID: 01050237-007B

ample wt/vol: 1 (g/mL) G Lab File ID: E1242.D

evel: (low/med) MED Date Received: 05/08/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/12/01

Injection Volume: 2 (µl) Dilution Factor: 50.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICs found: 24 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000883-20-5	Phenanthrene, 9-methyl-	17.21	240000	NJ
2.	000203-64-5	4H-Cyclopenta(def)phenanthrene	17.40	720000	NJ
3.	000886-66-8	Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bi	18.56	600000	NJ
4.	000243-42-5	Benzo(b)naphtho(2,3-d)furan	18.75	510000	NJ
5.		Unknown (18.97)	18.97	280000	J
6.	002381-21-7	Pyrene, 1-methyl- (19.15)	19.15	390000	NJ
7.	000243-17-4	11H-Benzo(b)fluorene (19.36)	19.36	900000	NJ
8.	000243-17-4	11H-Benzo(b)fluorene (19.46)	19.46	700000	NJ
9.	002381-21-7	Pyrene, 1-methyl- (19.54)	19.54	390000	NJ
10.		Unknown aromatic (20.49)	20.49	280000	J
11.		Unknown (20.54)	20.54	240000	J
12.		Unknown PAH (20.61)	20.61	420000	J
13.		Unknown aromatic (20.66)	20.66	250000	J
14.	000082-05-3	7H-Benz(de)anthracen-7-one	21.37	500000	NJ
15.		Unknown (21.54)	21.54	230000	J
16.	002541-69-7	Benz(a)anthracene, 7-methyl-	21.92	390000	NJ
17		Unknown (23.45)	23.45	230000	J
18		Unknown PAH (24.29)	24.29	570000	J
19.		Unknown (24.58)	24.58	230000	J
20.	000192-97-2	Benzo(e)pyrene	24.93	1400000	NJ
21.		Unknown PAH (25.44)	25.44	590000	J
22.		Unknown (30.46)	30.46	380000	J
23.		Unknown (30.66)	30.66	410000	J
24.		Unknown (31.94)	31.94	350000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: 00250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-012A

Sample wt/vol: 30 (g/mL) G Lab File ID: E1210.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	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	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

ORIGINAL (Red)

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0251

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-012A

Sample wt/vol: 30 (g/mL) G Lab File ID: E1210.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	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	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKS1

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-012A

Sample wt/vol: 30 (g/mL) G Lab File ID: E1210.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (6.07)	6.07	280	J
2.	Unknown (18.44)	18.44	170	J
3.	Unknown acid ester	19.61	290	J

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-012B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1211.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	9900	U
108-95-2	Phenol	9900	U
111-44-4	bis(2-Chloroethyl)ether	9900	U
95-57-8	2-Chlorophenol	9900	U
95-48-7	2-Methylphenol	9900	U
108-60-1	2,2´-oxybis(1-Chloropropane)	9900	U
98-86-2	Acetophenone	570	J
106-44-5	4-Methylphenol	9900	U
621-64-7	N-Nitroso-di-n-propylamine	9900	U
67-72-1	Hexachloroethane	9900	U
98-95-3	Nitrobenzene	9900	U
78-59-1	Isophorone	9900	U
88-75-5	2-Nitrophenol	9900	U
105-67-9	2,4-Dimethylphenol	9900	U
111-91-1	bis(2-Chloroethoxy)methane	9900	U
120-83-2	2,4-Dichlorophenol	9900	U
91-20-3	Naphthalene	9900	U
106-47-8	4-Chloroaniline	9900	U
87-68-3	Hexachlorobutadiene	9900	U
105-60-2	Caprolactam	9900	U
59-50-7	4-Chloro-3-methylphenol	9900	U
91-57-6	2-Methylnaphthalene	9900	U
77-47-4	Hexachlorocyclopentadiene	9900	U
88-06-2	2,4,6-Trichlorophenol	9900	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1´-Biphenyl	9900	U
91-58-7	2-Chloronaphthalene	9900	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	9900	U
606-20-2	2,6-Dinitrotoluene	9900	U
208-96-8	Acenaphthylene	9900	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	9900	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SBLKS2

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29203 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-012B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1211.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	9900	U
121-14-2	2,4-Dinitrotoluene	9900	U
84-66-2	Diethylphthalate	9900	U
86-73-7	Fluorene	9900	U
7005-72-3	4-Chlorophenyl-phenylether	9900	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-Nitrosodiphenylamine (1)	9900	U
101-55-3	4-Bromophenyl-phenylether	9900	U
118-74-1	Hexachlorobenzene	9900	U
1912-24-9	Atrazine	9900	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	9900	U
120-12-7	Anthracene	9900	U
86-74-8	Carbazole	9900	U
84-74-2	Di-n-butylphthalate	9900	U
206-44-0	Fluoranthene	9900	U
129-00-0	Pyrene	9900	U
85-68-7	Butylbenzylphthalate	9900	U
91-94-1	3,3'-Dichlorobenzidine	9900	U
56-55-3	Benzo(a)anthracene	9900	U
218-01-9	Chrysene	9900	U
117-81-7	bis(2-Ethylhexyl)phthalate	9900	U
117-84-0	Di-n-octylphthalate	9900	U
205-99-2	Benzo(b)fluoranthene	9900	U
207-08-9	Benzo(k)fluoranthene	9900	U
50-32-8	Benzo(a)pyrene	9900	U
193-39-5	Indeno(1,2,3-cd)pyrene	9900	U
53-70-3	Dibenzo(a,h)anthracene	9900	U
191-24-2	Benzo(g,h,i)perylene	9900	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS2

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-012B

Sample wt/vol: 1 (g/mL) G Lab File ID: E1211.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µl) Date Analyzed: 05/11/01

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction (Type) SONC

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-013A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1201.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/09/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	2	J
108-95-2	Phenol	0.6	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	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
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SBLKW1

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: C1050237-013A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1201.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/09/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	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
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	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	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

(Red)

1G

EPA SAMPLE NO.

SBLKW1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-013A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1201.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: Decanted: (Y/N) N Date Extracted: 05/08/01

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/09/01

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown chlorinated compound	6.21	3	J
2.		Unknown (6.7)	6.70	10	J
3.		Unknown (6.87)	6.87	7	J
4.		Unknown hydrocarbon	11.89	5	J
5.	000096-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	13.48	2	NJ
6.		Unknown alcohol	16.60	3	J
7.		Unknown (22.03)	22.03	4	J
8.		Unknown phthalate (23.02)	23.02	3	J
9.		Unknown phthalate (23.16)	23.16	3	J
10.		Unknown phthalate (23.31)	23.31	6	J
11.		Unknown phthalate (23.45)	23.45	4	J
12.		Unknown phthalate (23.58)	23.58	3	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 0237-004C

Sample wt/vol: 30 (g/mL) G Lab File: 1.D

Level: (low/med) LOW 01

% Moisture: 22 Decanted: 1

Concentrated Extract Volume: 5

Injection Volume: 2 (µL)

GPC Cleanup: (Y/N) Y pH:

Needs to be Entered

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	130	J
108-95-2	Phenol	2400	
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	2500	
95-48-7	2-Methylphenol	1300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	U
98-86-2	Acetophenone	92	J
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-di-n-propylamine	1700	
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
91-20-3	Naphthalene	310	J
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
105-60-2	Caprolactam	1300	U
59-50-7	4-Chloro-3-methylphenol	2600	
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	3200	U
92-52-4	1,1'-Biphenyl	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethylphthalate	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
208-96-8	Acenaphthylene	830	J
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	1900	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004C

Sample wt/vol: 30 (g/mL) G Lab File ID: E1221.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	2700	J
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	280	J
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	340	J
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
1912-24-9	Atrazine	1300	U
87-86-5	Pentachlorophenol	2900	J
85-01-8	Phenanthrene	5000	
120-12-7	Anthracene	1100	J
86-74-8	Carbazole	570	J
84-74-2	Di-n-butylphthalate	1300	U
206-44-0	Fluoranthene	9800	
129-00-0	Pyrene	8700	
85-68-7	Butylbenzylphthalate	75	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)anthracene	6000	
218-01-9	Chrysene	7700	
117-81-7	bis(2-Ethylhexyl)phthalate	5200	
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo(b)fluoranthene	6800	
207-08-9	Benzo(k)fluoranthene	6400	
50-32-8	Benzo(a)pyrene	6200	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	1200	J
191-24-2	Benzo(g,h,i)perylene	2900	

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004D

Sample wt/vol: 30 (g/mL) G Lab File ID: E1222.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	200	J
108-95-2	Phenol	2200	
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	2300	
95-48-7	2-Methylphenol	1300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	U
98-86-2	Acetophenone	84	J
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-di-n-propylamine	1600	
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
105-60-2	Caprolactam	1300	U
59-50-7	4-Chloro-3-methylphenol	2700	
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	3200	U
92-52-4	1,1'-Biphenyl	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethylphthalate	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
208-96-8	Acenaphthylene	780	J
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	2100	

ORIGINAL (Red)

1D

EPA SAMPLE NO.

C0253MSD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-004D

Sample wt/vol: 30 (g/mL) G Lab File ID: E1222.D

Level: (low/med) LOW Date Received: 05/08/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	2900	J
132-64-9	Dibenzofuran	230	J
121-14-2	2,4-Dinitrotoluene	1900	
84-66-2	Diethylphthalate	83	J
86-73-7	Fluorene	590	J
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	390	J
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
1912-24-9	Atrazine	1300	U
87-86-5	Pentachlorophenol	2600	J
85-01-8	Phenanthrene	13000	E
120-12-7	Anthracene	2200	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-butylphthalate	130	J
206-44-0	Fluoranthene	25000	E
129-00-0	Pyrene	17000	E
85-68-7	Butylbenzylphthalate	320	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)anthracene	13000	E
218-01-9	Chrysene	16000	E
117-81-7	bis(2-Ethylhexyl)phthalate	5400	
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo(b)fluoranthene	14000	E
207-08-9	Benzo(k)fluoranthene	12000	E
50-32-8	Benzo(a)pyrene	12000	E
193-39-5	Indeno(1,2,3-cd)pyrene	4600	
53-70-3	Dibenzo(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	4200	

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005E

Sample wt/vol: 1 (g/mL) G Lab File ID: E1214.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1200	J
108-95-2	Phenol	44000	
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	42000	
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	2100	BJ
106-44-5	4-Methylphenol	1200	J
621-64-7	N-Nitroso-di-n-propylamine	32000	
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	110000	E
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-methylphenol	42000	
91-57-6	2-Methylnaphthalene	14000	
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
92-52-4	1,1'-Biphenyl	2700	J
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	6700	J
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	32000	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005E

Sample wt/vol: 1 (g/mL) G Lab File ID: E1214.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	29000	U
100-02-7	4-Nitrophenol	42000	
132-64-9	Dibenzofuran	7500	J
121-14-2	2,4-Dinitrotoluene	37000	
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	2500	J
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	29000	U
534-52-1	4,6-Dinitro-2-methylphenol	29000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	58000	
85-01-8	Phenanthrene	41000	
120-12-7	Anthracene	5900	J
86-74-8	Carbazole	1700	J
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	34000	
129-00-0	Pyrene	57000	
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	16000	
218-01-9	Chrysene	15000	
117-81-7	bis(2-Ethylhexyl)phthalate	1300	J
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	11000	J
207-08-9	Benzo(k)fluoranthene	12000	
50-32-8	Benzo(a)pyrene	12000	
193-39-5	Indeno(1,2,3-cd)pyrene	9600	J
53-70-3	Dibenzo(a,h)anthracene	3400	J
191-24-2	Benzo(g,h,i)perylene	10000	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: . SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005F

Sample wt/vol: 1 (g/mL) G Lab File ID: E1215.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
100-52-7	Benzaldehyde	930	J
108-95-2	Phenol	38000	
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	34000	
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	2100	BJ
106-44-5	4-Methylphenol	1300	J
621-64-7	N-Nitroso-di-n-propylamine	27000	
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	150000	E
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-methylphenol	45000	
91-57-6	2-Methylnaphthalene	17000	
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
92-52-4	1,1'-Biphenyl	3900	J
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	7500	J
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	32000	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: C1050237-005F

Sample wt/vol: 1 (g/mL) G Lab File ID: E1215.D

Level: (low/med) MED Date Received: 05/08/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 05/09/01

Concentrated Extract Volume: 500 (µL) Date Analyzed: 05/11/01

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	29000	U
100-02-7	4-Nitrophenol	43000	
132-64-9	Dibenzofuran	12000	
121-14-2	2,4-Dinitrotoluene	37000	
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	4000	J
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	29000	U
534-52-1	4,6-Dinitro-2-methylphenol	29000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	60000	
85-01-8	Phenanthrene	48000	
120-12-7	Anthracene	5600	J
86-74-8	Carbazole	1600	J
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	23000	
129-00-0	Pyrene	47000	
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	9300	J
218-01-9	Chrysene	9400	J
117-81-7	bis(2-Ethylhexyl)phthalate	630	J
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	6900	J
207-08-9	Benzo(k)fluoranthene	8000	J
50-32-8	Benzo(a)pyrene	6800	J
193-39-5	Indeno(1,2,3-cd)pyrene	6100	J
53-70-3	Dibenzo(a,h)anthracene	2200	J
191-24-2	Benzo(g,h,i)perylene	6800	J

(1) Cannot be separated from Diphenylamine

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0250

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-001C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: pes071.rst

% Moisture: Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) SepF Date Extracted: 05/08/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-1015-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0252

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-003C

Sample wt/vol: 30 (g/mL) G Lab File ID: pes103.rst

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	5	PJ RHS-16-01
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4`-DDE	1.1	PJ
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4`-DDD	9.4	P
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4`-DDT	13	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	51	P
7421-93-4	Endrin aldehyde	6.2	P
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	P
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

RHS-16-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0253

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-004E

Sample wt/vol: 30 (g/mL) G Lab File ID: pes105.rst

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.84	PJ
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	63	
72-55-9	4,4`-DDE	2.7	PJ
72-20-8	Endrin	37	P
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4`-DDD	1.9	PJ
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4`-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	5.4	P
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	890	P
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005G

Sample wt/vol: 30 (g/mL) G Lab File ID: pes107.rst

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.4	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	130	PE
72-55-9	4,4`-DDE	3.8	U
72-20-8	Endrin	47	P
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4`-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4`-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	13	P
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	19	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	3200	P
11096-82-5	Aroclor 1260	38	U

RHS-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005G

Sample wt/vol: 30 (g/mL) G Lab File ID: pes089.rst

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	6.9	DPJ
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	270	DP
72-55-9	4,4'-DDE	38	U
72-20-8	Endrin	92	DP
33213-65-9	Endosulfan II	6.0	DPJ
72-54-8	4,4'-DDD	38	U
1031-07-8	Endosulfan sulfate	38	U
50-29-3	4,4'-DDT	38	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	16	DJ
7421-93-4	Endrin aldehyde	38	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor 1016	380	U
11104-28-2	Aroclor 1221	780	U
11141-16-5	Aroclor 1232	380	U
53469-21-9	Aroclor 1242	380	U
12672-29-6	Aroclor 1248	380	U
11097-69-1	Aroclor 1254	5300	DP
11096-82-5	Aroclor 1260	380	U

RAS-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006C

Sample wt/vol: 30 (g/mL) G Lab File ID: pes117.rst

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4`-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4`-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4`-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	45	P
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

RHS-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0255DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-006C

Sample wt/vol: 30 (g/mL) G Lab File ID: pes072.rst

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.2	DPJ
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	3.6	DPJ
72-55-9	4,4`-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4`-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4`-DDT	52	DP
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	220	D
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	25	DP
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor 1016	370	U
11104-28-2	Aroclor 1221	740	U
11141-16-5	Aroclor 1232	370	U
53469-21-9	Aroclor 1242	370	U
12672-29-6	Aroclor 1248	370	U
11097-69-1	Aroclor 1254	370	U
11096-82-5	Aroclor 1260	370	U

RH 5-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007C

Sample wt/vol: 30 (g/mL) G Lab File ID: pes120.rst

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	3.8	U
72-55-9	4,4`-DDE	3.8	U
72-20-8	Endrin	16	P
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4`-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4`-DDT	3.8	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	9.5	P
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

RH 5-16-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0256DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-007C

Sample wt/vol: 30 (g/mL) G Lab File ID: pes073.rst

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.2	DPJ
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	13	DJ
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	2.7	DPJ
60-57-1	Dieldrin	38	U
72-55-9	4,4`-DDE	38	U
72-20-8	Endrin	38	U
33213-65-9	Endosulfan II	38	U
72-54-8	4,4`-DDD	38	U
1031-07-8	Endosulfan sulfate	38	U
50-29-3	4,4`-DDT	38	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	100	DP
7421-93-4	Endrin aldehyde	38	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	8.7	DPJ
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor 1016	380	U
11104-28-2	Aroclor 1221	760	U
11141-16-5	Aroclor 1232	380	U
53469-21-9	Aroclor 1242	380	U
12672-29-6	Aroclor 1248	380	U
11097-69-1	Aroclor 1254	380	U
11096-82-5	Aroclor 1260	380	U

RHS-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK01

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK01

Sample wt/vol: 1000 (g/mL) Lab File ID: pes016.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/24/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RH 5-15-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK01

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK01

Sample wt/vol: 1000 (g/mL) Lab File ID: pes016.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/24/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK04

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK04

Sample wt/vol: 1000 (g/mL) Lab File ID: pes050.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/08/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK04

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK04

Sample wt/vol: 1000 (g/mL) Lab File ID: pes050.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/08/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK05

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK05

Sample wt/vol: 1000 (g/mL) Lab File ID: pes055.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/08/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK05

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK05

Sample wt/vol: 1000 (g/mL) Lab File ID: pes055.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/08/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-15-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK06

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK06

Sample wt/vol: 1000 (g/mL) Lab File ID: pes064.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK06

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK06

Sample wt/vol: 1000 (g/mL) Lab File ID: pes064.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK07

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK07

Sample wt/vol: 1000 (g/mL) Lab File ID: pes076.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-15-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK07

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK07

Sample wt/vol: 1000 (g/mL) Lab File ID: pes076.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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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1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK08

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK08

Sample wt/vol: 1000 (g/mL) Lab File ID: pes082.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK08

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK08

Sample wt/vol: 1000 (g/mL) Lab File ID: pes082.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK09

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK09

Sample wt/vol: 1000 (g/mL) Lab File ID: pes098.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK09

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK09

Sample wt/vol: 1000 (g/mL) Lab File ID: pes098.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK10

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK10

Sample wt/vol: 1000 (g/mL) Lab File ID: pes114.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK10

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK10

Sample wt/vol: 1000 (g/mL) Lab File ID: pes114.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

EPA SAMPLE NO.

PIBLK11

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) Lab File ID: pes128.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RAS-15-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK11

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) Lab File ID: pes128.rst

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

Extraction: (Type) SepF Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-15-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1S

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-014A

Sample wt/vol: 30 (g/mL) G Lab File ID: pes084.rst

% Moisture: 0 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-1S-01

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK2S

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-014B

Sample wt/vol: 30 (g/mL) G Lab File ID: pes085.rst

% Moisture: 0 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-15-01

FORM I PEST OLM04.2

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKW1

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: ____ SDG No.: C0250

Matrix: (soil/water) WATER Lab Sample ID: 01050237-015A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: pes069.rst

% Moisture: Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) SepF Date Extracted: 05/08/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/10/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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

RHS-15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005H

Sample wt/vol: 30 (g/mL) G Lab File ID: pes109.rst

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/08/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	4.6	P
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	3.4	P
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	130	P
72-55-9	4,4`-DDE	1.5	PJ
72-20-8	Endrin	62	P
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4`-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4`-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	20	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	3400	P
11096-82-5	Aroclor 1260	38	U

KHS 15-01

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C0254MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 29223 SAS No.: _____ SDG No.: C0250

Matrix: (soil/water) SOIL Lab Sample ID: 01050237-005I

Sample wt/vol: 30 (g/mL) G Lab File ID: pes111.rst

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/08/01

Extraction: (Type) Sonc Date Extracted: 05/09/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/01

Injection Volume: 1 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	4.6	P
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	120	P
72-55-9	4,4'-DDE	1.6	PJ
72-20-8	Endrin	53	P
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	11	P
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	15	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	78	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	2600	P
11096-82-5	Aroclor 1260	38	U

RH 5-15-01

ATTACHMENT B

American Analytical and Technical Services, Inc. Laboratory Data

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. C04

MC0250

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086__

Lab Code: AATS__ Case No.: 29223_ SAS No.: _____ SDG No.: MC0250

Matrix (soil/water): WATER Lab Sample ID: 46437.01

Level (low/med): LOW__ Date Received: 05/08/01

% 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_	13.0	U		P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	3.0	U		P
7440-39-3	Barium___	1.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium__	1.0	U		P
7440-70-2	Calcium__	7.0	U		P
7440-47-3	Chromium_	1.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	1.0	U		P
7439-89-6	Iron____	16.0	U		P
7439-92-1	Lead____	2.0	U		P
7439-95-4	Magnesium	85.0	U		P
7439-96-5	Manganese	1.0	U		P
7439-97-6	Mercury__	0.10	U		CV
7440-02-0	Nickel___	2.0	U		P
7440-09-7	Potassium	27.0	U		P
7782-49-2	Selenium_	5.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	61.6	B		P
7440-28-0	Thallium_	6.0	U		P
7440-62-2	Vanadium_	1.0	U		P
7440-66-6	Zinc____	9.7	B		P
	Cyanide__	1.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
FIELD_QC

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MC0252

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086

Lab Code: AATS Case No.: 29223 SAS No.: SDG No.: MC0250

Matrix (soil/water): SOIL Lab Sample ID: 46437.02

Level (low/med): LOW Date Received: 05/08/01

% Solids: 82.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8850			P
7440-36-0	Antimony	0.96	U	N	P
7440-38-2	Arsenic	9.2		N	P
7440-39-3	Barium	413		*	P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	28.6		*	P
7440-70-2	Calcium	22100			P
7440-47-3	Chromium	44.6		*	P
7440-48-4	Cobalt	7.8	B		P
7440-50-8	Copper	140		N*	P
7439-89-6	Iron	26700		*	P
7439-92-1	Lead	1280		*	P
7439-95-4	Magnesium	1810			P
7439-96-5	Manganese	446		*	P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	20.2		*	P
7440-09-7	Potassium	449	B		P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	0.67	B		P
7440-23-5	Sodium	444	B	E	P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	15.5			P
7440-66-6	Zinc	1940			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

006

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MC0253

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086__

Lab Code: AATS__ Case No.: 29223_ SAS No.: _____ SDG No.: MC0250

Matrix (soil/water): SOIL_ Lab Sample ID: 46437.03

Level (low/med): LOW__ Date Received: 05/08/01

% Solids: _76.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	19900			P
7440-36-0	Antimony_	1.0	U	N	P
7440-38-2	Arsenic__	20.3		N	P
7440-39-3	Barium__	543		*	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium__	4.3		*	P
7440-70-2	Calcium__	11300			P
7440-47-3	Chromium_	79.9		*	P
7440-48-4	Cobalt___	25.7			P
7440-50-8	Copper___	490		N*	P
7439-89-6	Iron____	153000		*	P
7439-92-1	Lead____	1880		*	P
7439-95-4	Magnesium	3010			P
7439-96-5	Manganese	1420		*	P
7439-97-6	Mercury__	0.33			CV
7440-02-0	Nickel___	74.2		*	P
7440-09-7	Potassium	756	B		P
7782-49-2	Selenium_	6.4			P
7440-22-4	Silver___	1.2	B		P
7440-23-5	Sodium___	505	B	E	P
7440-28-0	Thallium_	1.6	U		P
7440-62-2	Vanadium_	19.5			P
7440-66-6	Zinc____	3830			P
	Cyanide__				NR

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

007

MC0254

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086

Lab Code: AATS Case No.: 29223 SAS No.: SDG No.: MC0250

Matrix (soil/water): SOIL Lab Sample ID: 46437.04

Level (low/med): LOW Date Received: 05/08/01

% Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8110			P
7440-36-0	Antimony	0.89	U	N	P
7440-38-2	Arsenic	26.6		N	P
7440-39-3	Barium	244		*	P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.22	U	*	P
7440-70-2	Calcium	8160			P
7440-47-3	Chromium	33.1		*	P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	140		N*	P
7439-89-6	Iron	49400		*	P
7439-92-1	Lead	1600		*	P
7439-95-4	Magnesium	1550			P
7439-96-5	Manganese	1260		*	P
7439-97-6	Mercury	11.0			CV
7440-02-0	Nickel	28.6		*	P
7440-09-7	Potassium	970	B		P
7782-49-2	Selenium	3.0			P
7440-22-4	Silver	0.47	B		P
7440-23-5	Sodium	470	B	B	P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	25.8			P
7440-66-6	Zinc	706			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

008

EPA SAMPLE NO.

MC0255

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086

Lab Code: AATS Case No.: 29223 SAS No.: SDG No.: MC0250

Matrix (soil/water): SOIL Lab Sample ID: 46437.07

Level (low/med): LOW Date Received: 05/08/01

% Solids: 90.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5560			P
7440-36-0	Antimony	0.88	U	N	P
7440-38-2	Arsenic	20.8		N	P
7440-39-3	Barium	272		*	P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	19.6		*	P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	48.3		*	P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	474		N*	P
7439-89-6	Iron	44200		*	P
7439-92-1	Lead	991		*	P
7439-95-4	Magnesium	1910			P
7439-96-5	Manganese	365		*	P
7439-97-6	Mercury	5.1			CV
7440-02-0	Nickel	28.4		*	P
7440-09-7	Potassium	549	B		P
7782-49-2	Selenium	9.1			P
7440-22-4	Silver	0.72	B		P
7440-23-5	Sodium	425	B	B	P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	10.6	B		P
7440-66-6	Zinc	24900			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

ORIGINAL (Red)

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

009

EPA SAMPLE NO.

MC0256

Lab Name: AMERICAN_ANALYTICAL_AND_T Contract: 68W00086

Lab Code: AATS Case No.: 29223 SAS No.: SDG No.: MC0250

Matrix (soil/water): SOIL Lab Sample ID: 46437.08

Level (low/med): LOW Date Received: 05/08/01

% Solids: 92.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5430			P
7440-36-0	Antimony	0.86	U	N	P
7440-38-2	Arsenic	16.8		N	P
7440-39-3	Barium	191		*	P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	6.4		*	P
7440-70-2	Calcium	9820			P
7440-47-3	Chromium	35.3		*	P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	392		N*	P
7439-89-6	Iron	28200		*	P
7439-92-1	Lead	629		*	P
7439-95-4	Magnesium	3150			P
7439-96-5	Manganese	317		*	P
7439-97-6	Mercury	0.85			CV
7440-02-0	Nickel	33.9		*	P
7440-09-7	Potassium	503	B		P
7782-49-2	Selenium	5.9			P
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	375	B	E	P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	15.0			P
7440-66-6	Zinc	1540			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments: