Final
Phase II Investigation Report
of the Dussault Foundry Site
Lockport, New York

September 2002

Volume II

Prepared for:

NIAGARA COUNTY DEPARTMENT OF
PLANNING, DEVELOPMENT AND TOURISM
59 Park Avenue
Lockport, NY 14094

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and

ecology and environment, inc.

E Analytical Data Report Forms

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1632

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	76	J
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	77	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	87	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	1000	
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	190	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-BK01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1632

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	150	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	210	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	2400	
120-12-7	Anthracene	1000	
86-74-8	Carbazole	460	
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	3200 ~~3500~~	~~E~~ D
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	48	J
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)phthalate	410 ~~390~~	~~J~~ U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	1800	J
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	790	
53-70-3	Dibenzo(a,h)anthracene	350	J
191-24-2	Benzo(g,h,i)perylene	470	

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

DF-BK01-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K1632

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	613-12-7	ANTHRACENE, 2-METHYL-	21.13	420	NJ
2.	57-10-3	N-HEXADECANOIC ACID	21.18	960	NJ
3.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	21.31	510	NJ
4.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.41	480	NJ
5.		UNKNOWN HYDROCARBON	22.64	120	J
6.	2381-21-7	PYRENE, 1-METHYL-	23.44	140	NJ
7.	2381-21-7	PYRENE, 1-METHYL-	23.66	320	NJ
8.	3442-78-2	PYRENE, 2-METHYL-	23.85	240	NJ
9.	3353-12-6	PYRENE, 4-METHYL-	24.02	110	NJ
10.	2381-21-7	PYRENE, 1-METHYL-	24.07	130	NJ
11.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	140	NJ
12.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	24.76	180	NJ
13.		UNKNOWN PAH	24.82	120	J
14.		UNKNOWN PAH	24.85	310	J
15.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.93	190	NJ
16.	25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	25.34	330	NJ
17.	3697-24-3	CHRYSENE, 5-METHYL-	25.79	290	NJ
18.	1705-84-6	TRIPHENYLENE, 2-METHYL-	25.84	140	NJ
19.		UNKNOWN AROMATIC	25.92	390	J
20.		UNKNOWN PAH	26.01	240	J
21.	1090-13-7	5,12-NAPHTHACENEDIONE	26.32	250	NJ
22.		UNKNOWN AROMATIC	26.52	620	J
23.		UNKNOWN AROMATIC	26.58	370	J
24.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.08	590	NJ
25.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.24	870	NJ
26.	198-55-0	PERYLENE	27.42	1600	NJ
27.	205-82-3	BENZO[J]FLUORANTHENE	27.68	900	NJ
28.		UNKNOWN PAH	29.81	540	J
29.	1000214-20-7	STIGMASTEROL, 22,23-DIHYDRO-	31.12	760	NJ
30.	1058-61-3	STIGMAST-4-EN-3-ONE	33.03	1200	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-BK01-SODL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1636

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	820	U
108-95-2	Phenol	820	U
111-44-4	bis(2-Chloroethyl)Ether	820	U
95-57-8	2-Chlorophenol	820	U
95-48-7	2-Methylphenol	820	U
108-60-1	2,2'-oxybis(1-Chloropropane)	820	U
98-86-2	Acetophenone	820	U
106-44-5	4-Methylphenol	820	U
621-64-7	N-Nitroso-di-n-propylamine	820	U
67-72-1	Hexachloroethane	820	U
98-95-3	Nitrobenzene	820	U
78-59-1	Isophorone	820	U
88-75-5	2-Nitrophenol	820	U
105-67-9	2,4-Dimethylphenol	820	U
111-91-1	bis(2-Chloroethoxy)methane	820	U
120-83-2	2,4-Dichlorophenol	820	U
91-20-3	Naphthalene	820	U
106-47-8	4-Chloroaniline	820	U
87-68-3	Hexachlorobutadiene	820	U
105-60-2	Caprolactam	820	U
59-50-7	4-Chloro-3-methylphenol	820	U
91-57-6	2-Methylnaphthalene	87	DJ
77-47-4	Hexachlorocyclopentadiene	820	U
88-06-2	2,4,6-Trichlorophenol	820	U
95-95-4	2,4,5-Trichlorophenol	2100	U
92-52-4	1,1'-Biphenyl	820	U
91-58-7	2-Chloronaphthalene	820	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	820	U
606-20-2	2,6-Dinitrotoluene	820	U
208-96-8	Acenaphthylene	720	DJ
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	170	DJ

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK01-SODL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1636

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	130	DJ
121-14-2	2,4-Dinitrotoluene	820	U
84-66-2	Diethylphthalate	820	U
86-73-7	Fluorene	190	DJ
7005-72-3	4-Chlorophenyl-phenylether	820	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	820	U
101-55-3	4-Bromophenyl-phenylether	820	U
118-74-1	Hexachlorobenzene	820	U
1912-24-9	Atrazine	820	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	2300	D
120-12-7	Anthracene	740	DJ
86-74-8	Carbazole	410	DJ
84-74-2	Di-n-butylphthalate	820	U
206-44-0	Fluoranthene	3200	D
129-00-0	Pyrene	3000	D
85-68-7	Butylbenzylphthalate	820	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)anthracene	1800	D
218-01-9	Chrysene	2200	D
117-81-7	bis(2-Ethylhexyl)phthalate	140	DJ
117-84-0	Di-n-octylphthalate	820	U
205-99-2	Benzo(b)fluoranthene	1200	D
207-08-9	Benzo(k)fluoranthene	1600	D
50-32-8	Benzo(a)pyrene	1500	D
193-39-5	Indeno(1,2,3-cd)pyrene	1300	D
53-70-3	Dibenzo(a,h)anthracene	570	DJ
191-24-2	Benzo(g,h,i)perylene	810	DJ

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-BK01-SODL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-07A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K1636

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	57-10-3	N-HEXADECANOIC ACID	21.15	550	NJD
2.		UNKNOWN PAH	21.30	560	JD
3.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.38	440	NJD
4.		UNKNOWN OXYGENATED HYDROCARB	22.63	240	JD
5.	243-17-4	11H-BENZO[B]FLUORENE	23.43	280	NJD
6.	2381-21-7	PYRENE, 1-METHYL-	23.64	570	NJD
7.	243-17-4	11H-BENZO[B]FLUORENE	23.76	280	NJD
8.	3353-12-6	PYRENE, 4-METHYL-	23.83	260	NJD
9.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	24.74	350	NJD
10.		UNKNOWN PAH	24.81	300	JD
11.	27208-37-3	CYCLOPENTA[CD]PYRENE	24.84	570	NJD
12.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.92	380	NJD
13.		UNKNOWN PHTHALATE	25.26	370	JD
14.		UNKNOWN PAH	25.33	580	JD
15.		UNKNOWN PAH	25.58	240	JD
16.		UNKNOWN PAH	25.78	530	JD
17.	4076-40-8	BENZO[C]PHENANTHRENE, 4-METH	25.83	220	NJD
18.		UNKNOWN AROMATIC	25.90	630	JD
19.		UNKNOWN PAH	25.98	370	JD
20.		UNKNOWN AROMATIC	26.49	500	JD
21.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.05	530	NJD
22.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.21	390	NJD
23.	192-97-2	BENZO[E]PYRENE	27.37	1400	NJD
24.	198-55-0	PERYLENE	27.64	1200	NJD
25.		UNKNOWN AROMATIC	28.61	470	JD
26.	135-48-8	PENTACENE	29.78	650	NJD
27.	226-88-0	BENZO[A]NAPHTHACENE	30.42	600	NJD
28.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	30.55	330	NJD
29.	1000214-20-7	STIGMASTEROL, 22,23-DIHYDRO-	31.09	1600	NJD
30.	1058-61-3	STIGMAST-4-EN-3-ONE	32.98	1500	NJD

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1641

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	4945	NJ
108-95-2	Phenol	44	J
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	84	J
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	79	J
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	140	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	730	
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-BK02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1641

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	Q
51-28-5	2,4-Dinitrophenol	1100 U
100-02-7	4-Nitrophenol	1100 U
132-64-9	Dibenzofuran	57 J
121-14-2	2,4-Dinitrotoluene	420 U
84-66-2	Diethylphthalate	420 U
86-73-7	Fluorene	420 U
7005-72-3	4-Chlorophenyl-phenylether	420 U
100-01-6	4-Nitroaniline	570 J
534-52-1	4,6-Dinitro-2-methylphenol	1100 U
86-30-6	N-Nitrosodiphenylamine (1)	420 U
101-55-3	4-Bromophenyl-phenylether	420 U
118-74-1	Hexachlorobenzene	420 U
1912-24-9	Atrazine	420 U
87-86-5	Pentachlorophenol	1100 U
85-01-8	Phenanthrene	730
120-12-7	Anthracene	500
86-74-8	Carbazole	190 J
84-74-2	Di-n-butylphthalate	420 U
206-44-0	Fluoranthene	1900
129-00-0	Pyrene	1200
85-68-7	Butylbenzylphthalate	420 U
91-94-1	3,3'-Dichlorobenzidine	420 U
56-55-3	Benzo(a)anthracene	1000
218-01-9	Chrysene	1300
117-81-7	bis(2-Ethylhexyl)phthalate	~~420~~ ~~120~~ J U
117-84-0	Di-n-octylphthalate	420 U
205-99-2	Benzo(b)fluoranthene	1100 J
207-08-9	Benzo(k)fluoranthene	1200 J
50-32-8	Benzo(a)pyrene	1000 J
193-39-5	Indeno(1,2,3-cd)pyrene	470 J
53-70-3	Dibenzo(a,h)anthracene	200 J
191-24-2	Benzo(g,h,i)perylene	250 J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-BK02-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K1641

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.73	470	JB
2.	91-64-5	2H-1-BENZOPYRAN-2-ONE	16.55	380	NJ
3.	1074-89-1	1H-PURINE, 6-METHOXY-	19.29	280	NJ
4.	938-55-6	1H-PURIN-6-AMINE, N,N-DIMETH	20.34	230	NJ
5.	1000156-41-7	13-BORABICYCLO[7.3.0]TRIDECA	21.04	460	NJ
6.	610-48-0	ANTHRACENE, 1-METHYL-	21.11	400	NJ
7.	57-10-3	N-HEXADECANOIC ACID	21.18	1000	NJ
8.		UNKNOWN PAH	21.29	230	J
9.	84-65-1	9,10-ANTHRACENEDIONE	21.74	230	NJ
10.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.39	210	NJ
11.	60-33-3	9,12-OCTADECADIENOIC ACID (Z	22.60	360	NJ
12.		UNKNOWN CARBOXYLIC ACID	22.63	330	J
13.	57-11-4	OCTADECANOIC ACID	22.75	230	NJ
14.	238-84-6	11H-BENZO[A]FLUORENE	23.64	360	NJ
15.	2381-21-7	PYRENE, 1-METHYL-	23.84	180	NJ
16.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.58	220	NJ
17.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.92	240	NJ
18.		UNKNOWN AROMATIC	25.33	470	J
19.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.40	340	NJ
20.		UNKNOWN PAH	25.78	490	J
21.	1705-84-6	TRIPHENYLENE, 2-METHYL-	25.83	280	NJ
22.		UNKNOWN AROMATIC	25.91	700	J
23.		UNKNOWN AROMATIC	26.51	740	J
24.		UNKNOWN AROMATIC	26.57	450	J
25.	198-55-0	PERYLENE	27.06	450	NJ
26.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.23	400	NJ
27.	192-97-2	BENZO[E]PYRENE	27.40	880	NJ
28.		UNKNOWN OXYGENATED HYDROCARB	28.63	1000	J
29.	83-47-6	.GAMMA.-SITOSTEROL	31.14	3200	NJ
30.	1058-61-3	STIGMAST-4-EN-3-ONE	33.04	2800	NJ

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1633

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	53	J
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	86	J
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	81	J
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	140	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	770	
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1633

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	58	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	750	J
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	770	
120-12-7	Anthracene	540	
86-74-8	Carbazole	190	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	990	
193-39-5	Indeno(1,2,3-cd)pyrene	450	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-BK02-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-08A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K1633

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.74	510	JB
2.	1074-89-1	1H-PURINE, 6-METHOXY-	19.29	390	NJ
3.		UNKNOWN	19.55	330	J
4.	143-07-7	DODECANOIC ACID	20.00	390	NJ
5.		UNKNOWN HYDROCARBON	20.13	330	J
6.	938-55-6	1H-PURIN-6-AMINE, N,N-DIMETH	20.34	340	NJ
7.		UNKNOWN HYDROCARBON	21.05	640	J
8.	610-48-0	ANTHRACENE, 1-METHYL-	21.12	530	NJ
9.	57-10-3	N-HEXADECANOIC ACID	21.18	1300	NJ
10.		UNKNOWN PAH	21.30	330	J
11.	84-65-1	9,10-ANTHRACENEDIONE	21.74	370	NJ
12.	286-62-4	9-OXABICYCLO[6.1.0]NONANE	22.61	290	NJ
13.		UNKNOWN CARBOXYLIC ACID	22.64	340	J
14.	57-11-4	OCTADECANOIC ACID	22.75	200	NJ
15.	2381-21-7	PYRENE, 1-METHYL-	23.66	360	NJ
16.	3442-78-2	PYRENE, 2-METHYL-	23.85	200	NJ
17.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	280	NJ
18.		UNKNOWN PAH	24.84	420	J
19.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.93	290	NJ
20.		UNKNOWN AROMATIC	25.33	490	J
21.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.41	310	NJ
22.		UNKNOWN PAH	25.79	520	J
23.	3351-31-3	CHRYSENE, 3-METHYL-	25.84	290	NJ
24.		UNKNOWN AROMATIC	25.92	690	J
25.		UNKNOWN AROMATIC	26.53	870	J
26.		UNKNOWN AROMATIC	26.59	560	J
27.	198-55-0	PERYLENE	27.09	550	NJ
28.		UNKNOWN OXYGENATED PAH	27.26	770	J
29.	192-97-2	BENZO[E]PYRENE	27.43	1100	NJ
30.		UNKNOWN HYDROCARBON	28.69	1100	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-09A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1631

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 6.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	2500	U
108-95-2	Phenol	2500	U
111-44-4	bis(2-Chloroethyl)Ether	2500	U
95-57-8	2-Chlorophenol	2500	U
95-48-7	2-Methylphenol	2500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2500	U
98-86-2	Acetophenone	2500	U
106-44-5	4-Methylphenol	280	J
621-64-7	N-Nitroso-di-n-propylamine	2500	U
67-72-1	Hexachloroethane	2500	U
98-95-3	Nitrobenzene	2500	U
78-59-1	Isophorone	2500	U
88-75-5	2-Nitrophenol	2500	U
105-67-9	2,4-Dimethylphenol	2500	U
111-91-1	bis(2-Chloroethoxy)methane	2500	U
120-83-2	2,4-Dichlorophenol	2500	U
91-20-3	Naphthalene	2500	U
106-47-8	4-Chloroaniline	2500	U
87-68-3	Hexachlorobutadiene	2500	U
105-60-2	Caprolactam	2500	U
59-50-7	4-Chloro-3-methylphenol	2500	U
91-57-6	2-Methylnaphthalene	2500	U
77-47-4	Hexachlorocyclopentadiene	2500	U
88-06-2	2,4,6-Trichlorophenol	2500	U
95-95-4	2,4,5-Trichlorophenol	6300	U
92-52-4	1,1'-Biphenyl	2500	U
91-58-7	2-Chloronaphthalene	2500	U
88-74-4	2-Nitroaniline	6300	U
131-11-3	Dimethylphthalate	2500	U
606-20-2	2,6-Dinitrotoluene	2500	U
208-96-8	Acenaphthylene	7300	
99-09-2	3-Nitroaniline	6300	U
83-32-9	Acenaphthene	2500	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-BK03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-09A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1631

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 6.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	6300	U
100-02-7	4-Nitrophenol	6300	U
132-64-9	Dibenzofuran	2500	U
121-14-2	2,4-Dinitrotoluene	2500	U
84-66-2	Diethylphthalate	2500	U
86-73-7	Fluorene	2500	U
7005-72-3	4-Chlorophenyl-phenylether	2500	U
100-01-6	4-Nitroaniline	6300	U
534-52-1	4,6-Dinitro-2-methylphenol	6300	U
86-30-6	N-Nitrosodiphenylamine (1)	2500	U
101-55-3	4-Bromophenyl-phenylether	2500	U
118-74-1	Hexachlorobenzene	2500	U
1912-24-9	Atrazine	2500	U
87-86-5	Pentachlorophenol	6300	U
85-01-8	Phenanthrene	720	J
120-12-7	Anthracene	5900	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-butylphthalate	2500	U
206-44-0	Fluoranthene	9500	
129-00-0	Pyrene	8600	
85-68-7	Butylbenzylphthalate	2500	U
91-94-1	3,3'-Dichlorobenzidine	2500	U
56-55-3	Benzo(a)anthracene	8100	
218-01-9	Chrysene	8200	
117-81-7	bis(2-Ethylhexyl)phthalate	2500	U
117-84-0	Di-n-octylphthalate	2500	U
205-99-2	Benzo(b)fluoranthene	6700	J
207-08-9	Benzo(k)fluoranthene	7800	
50-32-8	Benzo(a)pyrene	7800	
193-39-5	Indeno(1,2,3-cd)pyrene	3200	
53-70-3	Dibenzo(a,h)anthracene	1600	J
191-24-2	Benzo(g,h,i)perylene	1600	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DF-BK03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-09A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K1631

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 6.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	21.30	2700	NJ
2.		UNKNOWN PAH	22.39	3600	J
3.	238-84-6	11H-BENZO[A]FLUORENE	23.43	960	NJ
4.	243-17-4	11H-BENZO[B]FLUORENE	23.64	1200	NJ
5.		UNKNOWN PAH	23.84	1200	J
6.	3353-12-6	PYRENE, 4-METHYL-	24.01	620	NJ
7.	243-17-4	11H-BENZO[B]FLUORENE	24.06	700	NJ
8.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	960	NJ
9.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	24.75	890	NJ
10.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.92	810	NJ
11.	217-59-4	TRIPHENYLENE	25.33	750	NJ
12.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.41	650	NJ
13.	239-01-0	11H-BENZO[A]CARBAZOLE	25.47	570	NJ
14.	3697-24-3	CHRYSENE, 5-METHYL-	25.77	1700	NJ
15.	1705-84-6	TRIPHENYLENE, 2-METHYL-	25.83	640	NJ
16.		UNKNOWN PAH	26.00	1500	J
17.	1090-13-7	5,12-NAPHTHACENEDIONE	26.31	1300	NJ
18.		UNKNOWN PAH	26.50	1500	J
19.		UNKNOWN PAH	26.61	2400	J
20.		UNKNOWN PAH	26.79	1300	J
21.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.07	4200	NJ
22.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.23	2200	NJ
23.	198-55-0	PERYLENE	27.40	7500	NJ
24.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.67	4000	NJ
25.	220-97-3	11H-INDENO[2,1-A]PHENANTHREN	27.92	1700	NJ
26.		UNKNOWN PAH	28.58	4500	J
27.	135-48-8	PENTACENE	29.79	1500	NJ
28.	214-17-5	BENZO[B]CHRYSENE	30.45	1800	NJ
29.	215-58-7	BENZO[B]TRIPHENYLENE	30.56	1100	NJ
30.		UNKNOWN OXYGENATED HYDROCARB	32.98	3000	J

EPA SAMPLE NO.

DF-BK03-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-09A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1640

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 6.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2500	U
108-95-2	Phenol	2500	U
111-44-4	bis(2-Chloroethyl)Ether	2500	U
95-57-8	2-Chlorophenol	2500	U
95-48-7	2-Methylphenol	2500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2500	U
98-86-2	Acetophenone	2500	U
106-44-5	4-Methylphenol	320	J
621-64-7	N-Nitroso-di-n-propylamine	2500	U
67-72-1	Hexachloroethane	2500	U
98-95-3	Nitrobenzene	2500	U
78-59-1	Isophorone	2500	U
88-75-5	2-Nitrophenol	2500	U
105-67-9	2,4-Dimethylphenol	2500	U
111-91-1	bis(2-Chloroethoxy)methane	2500	U
120-83-2	2,4-Dichlorophenol	2500	U
91-20-3	Naphthalene	2500	U
106-47-8	4-Chloroaniline	2500	U
87-68-3	Hexachlorobutadiene	2500	U
105-60-2	Caprolactam	2500	U
59-50-7	4-Chloro-3-methylphenol	2500	U
91-57-6	2-Methylnaphthalene	2500	U
77-47-4	Hexachlorocyclopentadiene	2500	U
88-06-2	2,4,6-Trichlorophenol	2500	U
95-95-4	2,4,5-Trichlorophenol	6300	U
92-52-4	1,1'-Biphenyl	2500	U
91-58-7	2-Chloronaphthalene	2500	U
88-74-4	2-Nitroaniline	6300	U
131-11-3	Dimethylphthalate	2500	U
606-20-2	2,6-Dinitrotoluene	2500	U
208-96-8	Acenaphthylene	7000	
99-09-2	3-Nitroaniline	6300	U
83-32-9	Acenaphthene	2500	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-BK03-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-09A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1640

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 6.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6300	U
100-02-7	4-Nitrophenol	6300	U
132-64-9	Dibenzofuran	2500	U
121-14-2	2,4-Dinitrotoluene	2500	U
84-66-2	Diethylphthalate	2500	U
86-73-7	Fluorene	2500	U
7005-72-3	4-Chlorophenyl-phenylether	2500	U
100-01-6	4-Nitroaniline	6300	U
534-52-1	4,6-Dinitro-2-methylphenol	6300	U
86-30-6	N-Nitrosodiphenylamine (1)	2500	U
101-55-3	4-Bromophenyl-phenylether	2500	U
118-74-1	Hexachlorobenzene	2500	U
1912-24-9	Atrazine	2500	U
87-86-5	Pentachlorophenol	6300	U
85-01-8	Phenanthrene	750	J
120-12-7	Anthracene	5500	
86-74-8	Carbazole	1300	J
84-74-2	Di-n-butylphthalate	2500	U
206-44-0	Fluoranthene	9900	
129-00-0	Pyrene	8100	
85-68-7	Butylbenzylphthalate	2500	U
91-94-1	3,3'-Dichlorobenzidine	2500	U
56-55-3	Benzo(a)anthracene	8100	
218-01-9	Chrysene	8200	
117-81-7	bis(2-Ethylhexyl)phthalate	2500	U
117-84-0	Di-n-octylphthalate	2500	U
205-99-2	Benzo(b)fluoranthene	8400	
207-08-9	Benzo(k)fluoranthene	6900	
50-32-8	Benzo(a)pyrene	8000	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	1600	J
191-24-2	Benzo(g,h,i)perylene	1400	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-BK03-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL

Lab Sample ID: 12046-09A

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: K1640

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: 22 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/19/01

Injection Volume: 2.0(uL)

Dilution Factor: 6.0

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

Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.40	3500	NJ
2.	2381-21-7	PYRENE, 1-METHYL-	23.43	2900	NJ
3.		UNKNOWN PAH	23.62	2000	J
4.	33543-31-6	FLUORANTHENE, 2-METHYL-	23.65	3400	NJ
5.	2381-21-7	PYRENE, 1-METHYL-	23.84	3700	NJ
6.	3353-12-6	PYRENE, 4-METHYL-	24.01	2000	NJ
7.	2381-21-7	PYRENE, 1-METHYL-	24.06	2200	NJ
8.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	2900	NJ
9.	243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	24.75	2900	NJ
10.		UNKNOWN PAH	24.81	2000	J
11.		UNKNOWN PAH	24.84	2800	J
12.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.93	3200	NJ
13.		UNKNOWN PAH	25.34	2300	J
14.		UNKNOWN PAH	25.60	2600	J
15.		UNKNOWN PAH	25.78	5400	J
16.	3351-32-4	CHRYSENE, 2-METHYL-	25.84	2300	NJ
17.		UNKNOWN PAH	26.00	3300	J
18.	1090-13-7	5,12-NAPHTHACENEDIONE	26.32	4900	NJ
19.		UNKNOWN AROMATIC	26.51	1700	J
20.		UNKNOWN PAH	26.62	2400	J
21.		UNKNOWN PAH	26.79	1400	J
22.	198-55-0	PERYLENE	27.08	4000	NJ
23.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.23	2200	NJ
24.	192-97-2	BENZO[E]PYRENE	27.41	7200	NJ
25.	198-55-0	PERYLENE	27.67	3600	NJ
26.	220-97-3	11H-INDENO[2,1-A]PHENANTHREN	27.93	1700	NJ
27.		UNKNOWN PAH	28.60	4400	J
28.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	29.80	1500	NJ
29.	191-26-4	DIBENZO[DEF,MNO]CHRYSENE	29.90	1700	NJ
30.		UNKNOWN OXYGENATED HYDROCARB	32.98	2800	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR04-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-03A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1620

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	54	J
108-95-2	Phenol	41	J
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	51	J
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	210	J
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	200	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	44	J
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR04-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-03A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1620

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	67	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~95~~	J U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	91	J
50-32-8	Benzo(a)pyrene	85	J
193-39-5	Indeno(1,2,3-cd)pyrene	84	J
53-70-3	Dibenzo(a,h)anthracene	39	J
191-24-2	Benzo(g,h,i)perylene	72	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR04-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL

Lab Sample ID: 12046-03A

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: K1620

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/18/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.72	360	JB
2.	90-12-0	NAPHTHALENE, 1-METHYL-	15.02	130	NJ
3.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.28	160	NJ
4.	57-10-3	N-HEXADECANOIC ACID	21.15	660	NJ
5.	84-65-1	9,10-ANTHRACENEDIONE	21.73	210	NJ
6.	91-76-9	1,3,5-TRIAZINE-2,4-DIAMINE,	22.01	160	NJ
7.	57-11-4	OCTADECANOIC ACID	22.74	120	NJ
8.	599-66-6	DI-P-TOLYL SULFONE	23.11	150	NJ
9.	599-66-6	DI-P-TOLYL SULFONE	23.34	990	NJ
10.		UNKNOWN PAH	23.82	110	J
11.		UNKNOWN	23.92	120	J
12.		UNKNOWN	24.18	140	J
13.		UNKNOWN AROMATIC	26.50	300	J
14.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.35	130	NJ
15.	54340-86-2	BENZENE, 4-(2-BUTENYL)-1,2-D	28.60	200	NJ
16.		UNKNOWN HYDROCARBON	29.02	270	J
17.		UNKNOWN OXYGENATED HYDROCARB	30.39	500	J
18.	1000214-20-7	STIGMASTEROL, 22,23-DIHYDRO-	31.07	1200	NJ
19.		UNKNOWN HYDROCARBON	31.48	230	J
20.		UNKNOWN HYDROCARBON	31.81	490	J
21.	1058-61-3	STIGMAST-4-EN-3-ONE	32.96	900	NJ
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01B

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1630

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	66	J
108-95-2	Phenol	46	J
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	92	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	280	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	360	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	62	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	400	
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01B

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1630

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	81	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	400	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	91	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	760	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	890	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~78~~	~~J~~ U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	1100	J
207-08-9	Benzo(k)fluoranthene	970	
50-32-8	Benzo(a)pyrene	870	
193-39-5	Indeno(1,2,3-cd)pyrene	470	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	320	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RW02-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL

Lab Sample ID: 12046-01B

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: K1630

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/18/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

Number TICs found: 26

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.34	340	J
2.		UNKNOWN	9.73	420	JB
3.	90-12-0	NAPHTHALENE, 1-METHYL-	15.03	210	NJ
4.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.30	280	NJ
5.	143-07-7	DODECANOIC ACID	17.52	350	NJ
6.		UNKNOWN	19.55	200	J
7.		UNKNOWN ALKYL AMINE	20.71	340	J
8.	57-10-3	N-HEXADECANOIC ACID	21.17	800	NJ
9.		UNKNOWN PAH	21.30	210	J
10.		UNKNOWN ALKYL AMINE	22.33	470	J
11.	1000130-83-3	Z-11-TETRADECENOIC ACID	22.61	190	NJ
12.	57-11-4	OCTADECANOIC ACID	22.76	160	NJ
13.	2381-21-7	PYRENE, 1-METHYL-	23.66	240	NJ
14.	3353-12-6	PYRENE, 4-METHYL-	23.85	180	NJ
15.	3353-12-6	PYRENE, 4-METHYL-	24.02	97	NJ
16.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	160	NJ
17.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	24.76	190	NJ
18.	217-59-4	TRIPHENYLENE	24.81	110	NJ
19.		UNKNOWN PAH	24.84	360	J
20.	23613-02-7	1,3,5-TRIAZINE-2(1H)-THIONE,	25.34	200	NJ
21.	3351-31-3	CHRYSENE, 3-METHYL-	25.84	250	NJ
22.		UNKNOWN AROMATIC	26.52	550	J
23.	192-97-2	BENZO[E]PYRENE	27.07	550	NJ
24.	198-55-0	PERYLENE	27.41	1200	NJ
25.	83-47-6	.GAMMA.-SITOSTEROL	31.12	1600	NJ
26.	1058-61-3	STIGMAST-4-EN-3-ONE	33.04	2800	NJ
27.					
28.					
29.					
30.					

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01B

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1639

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	74	J
108-95-2	Phenol	47	J
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	140	J
106-44-5	4-Methylphenol	39	J
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	280	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	350	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	62	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	360	J
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01B

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1639

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	82	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	400	
120-12-7	Anthracene	260	J
86-74-8	Carbazole	85	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	890	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	940	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	390 77	J U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	970	
207-08-9	Benzo(k)fluoranthene	1000	
50-32-8	Benzo(a)pyrene	870	
193-39-5	Indeno(1,2,3-cd)pyrene	460	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	300	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RW02-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01B

Sample wt/vol: 30.6 (g/mL) G Lab File ID: K1639

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 28

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.73	410	JB
2.	65-85-0	BENZOIC ACID	12.85	210	NJ
3.	90-12-0	NAPHTHALENE, 1-METHYL-	15.02	230	NJ
4.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.29	290	NJ
5.	143-07-7	DODECANOIC ACID	17.51	300	NJ
6.		UNKNOWN ALKYL AMINE	20.70	310	J
7.	57-10-3	N-HEXADECANOIC ACID	21.17	820	NJ
8.		UNKNOWN PAH	21.30	180	J
9.	84-65-1	9,10-ANTHRACENEDIONE	21.74	200	NJ
10.		UNKNOWN ALKYL AMINE	22.31	450	J
11.	1000130-76-9	Z-9-PENTADECENOL	22.61	210	NJ
12.	57-11-4	OCTADECANOIC ACID	22.75	170	NJ
13.	2381-21-7	PYRENE, 1-METHYL-	23.44	150	NJ
14.	243-17-4	11H-BENZO[B]FLUORENE	23.65	310	NJ
15.	3442-78-2	PYRENE, 2-METHYL-	23.84	240	NJ
16.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.58	190	NJ
17.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	24.75	210	NJ
18.		UNKNOWN PAH	24.84	530	J
19.		UNKNOWN PAH	25.34	310	J
20.	3351-32-4	CHRYSENE, 2-METHYL-	25.84	270	NJ
21.		UNKNOWN AROMATIC	26.51	300	J
22.	192-97-2	BENZO[E]PYRENE	27.07	490	NJ
23.	198-55-0	PERYLENE	27.40	980	NJ
24.		UNKNOWN OXYGENATED HYDROCARB	28.64	690	J
25.	83-48-7	STIGMASTEROL	30.44	530	NJ
26.	83-47-6	.GAMMA.-SITOSTEROL	31.13	1000	NJ
27.		UNKNOWN OXYGENATED HYDROCARB	31.84	380	J
28.	1058-61-3	STIGMAST-4-EN-3-ONE	33.04	2900	NJ
29.					
30.					

1C

EPA SAMPLE NO.

DF-SED01-DD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1624

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	15000	U
108-95-2	Phenol	2700	J
111-44-4	bis(2-Chloroethyl)Ether	15000	U
95-57-8	2-Chlorophenol	15000	U
95-48-7	2-Methylphenol	15000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	15000	U
98-86-2	Acetophenone	15000	U
106-44-5	4-Methylphenol	15000	U
621-64-7	N-Nitroso-di-n-propylamine	15000	U
67-72-1	Hexachloroethane	15000	U
98-95-3	Nitrobenzene	15000	U
78-59-1	Isophorone	15000	U
88-75-5	2-Nitrophenol	15000	U
105-67-9	2,4-Dimethylphenol	4600	J
111-91-1	bis(2-Chloroethoxy)methane	15000	U
120-83-2	2,4-Dichlorophenol	15000	U
91-20-3	Naphthalene	15000	U
106-47-8	4-Chloroaniline	15000	U
87-68-3	Hexachlorobutadiene	15000	U
105-60-2	Caprolactam	15000	U
59-50-7	4-Chloro-3-methylphenol	15000	U
91-57-6	2-Methylnaphthalene	15000	U
77-47-4	Hexachlorocyclopentadiene	15000	U
88-06-2	2,4,6-Trichlorophenol	15000	U
95-95-4	2,4,5-Trichlorophenol	37000	U
92-52-4	1,1'-Biphenyl	15000	U
91-58-7	2-Chloronaphthalene	15000	U
88-74-4	2-Nitroaniline	37000	U
131-11-3	Dimethylphthalate	15000	U
606-20-2	2,6-Dinitrotoluene	15000	U
208-96-8	Acenaphthylene	15000	U
99-09-2	3-Nitroaniline	37000	U
83-32-9	Acenaphthene	15000	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-SED01-DD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1624

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	37000	U
100-02-7	4-Nitrophenol	37000	U
132-64-9	Dibenzofuran	15000	U
121-14-2	2,4-Dinitrotoluene	15000	U
84-66-2	Diethylphthalate	15000	U
86-73-7	Fluorene	15000	U
7005-72-3	4-Chlorophenyl-phenylether	15000	U
100-01-6	4-Nitroaniline	37000	U
534-52-1	4,6-Dinitro-2-methylphenol	37000	U
86-30-6	N-Nitrosodiphenylamine (1)	15000	U
101-55-3	4-Bromophenyl-phenylether	15000	U
118-74-1	Hexachlorobenzene	15000	U
1912-24-9	Atrazine	15000	U
87-86-5	Pentachlorophenol	37000	U
85-01-8	Phenanthrene	2600	J
120-12-7	Anthracene	15000	U
86-74-8	Carbazole	15000	U
84-74-2	Di-n-butylphthalate	15000	U
206-44-0	Fluoranthene	15000	U
129-00-0	Pyrene	15000	U
85-68-7	Butylbenzylphthalate	2300	J
91-94-1	3,3'-Dichlorobenzidine	15000	U
56-55-3	Benzo(a)anthracene	15000	U
218-01-9	Chrysene	15000	U
117-81-7	bis(2-Ethylhexyl)phthalate	31000	
117-84-0	Di-n-octylphthalate	15000	U J
205-99-2	Benzo(b)fluoranthene	15000	U
207-08-9	Benzo(k)fluoranthene	15000	U
50-32-8	Benzo(a)pyrene	15000	U
193-39-5	Indeno(1,2,3-cd)pyrene	15000	U
53-70-3	Dibenzo(a,h)anthracene	15000	U
191-24-2	Benzo(g,h,i)perylene	15000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-SED01-DD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: K1624

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	88-69-7	PHENOL, 2-(1-METHYLETHYL)-	13.38	850000	NJ
2.	2934-05-6	PHENOL, 2,4-BIS(1-METHYLETHY	15.95	520000	NJ
3.	35946-91-9	PHENOL, 2,5-BIS(1-METHYLETHY	16.27	85000	NJ
4.	115-86-6	TRIPHENYL PHOSPHATE	24.70	730000	NJ
5.		UNKNOWN PAH	25.04	36000	J
6.		UNKNOWN PAH	25.08	31000	J
7.		UNKNOWN AROMATIC	25.47	1200000	J
8.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	25.64	180000	NJ
9.		UNKNOWN AROMATIC	25.72	450000	J
10.		UNKNOWN AROMATIC	26.06	1200000	J
11.		UNKNOWN AROMATIC	26.21	150000	J
12.		UNKNOWN AROMATIC	26.37	840000	J
13.	56803-37-3	PHOSPHORIC ACID, (1,1-DIMETH	26.45	120000	NJ
14.		UNKNOWN AROMATIC	26.72	400000	J
15.		UNKNOWN AROMATIC	26.88	53000	J
16.		UNKNOWN AROMATIC	27.01	230000	J
17.		UNKNOWN AROMATIC	27.11	120000	J
18.		UNKNOWN AROMATIC	27.42	260000	J
19.		UNKNOWN AROMATIC	27.73	310000	J
20.	27193-71-1	BENZENE, (1-METHYLETHENYL)(1	28.02	150000	NJ
21.		UNKNOWN AROMATIC	28.15	17000	J
22.		UNKNOWN AROMATIC	28.28	120000	J
23.	27193-71-1	BENZENE, (1-METHYLETHENYL)(1	28.47	130000	NJ
24.		UNKNOWN AROMATIC	28.79	150000	J
25.		UNKNOWN AROMATIC	28.84	16000	J
26.	21564-91-0	NAPHTHALENE, 1,2,3,4-TETRAHY	29.04	19000	NJ
27.		UNKNOWN AROMATIC	29.23	50000	J
28.		UNKNOWN AROMATIC	29.63	23000	J
29.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	29.86	21000	NJ
30.	27193-71-1	BENZENE, (1-METHYLETHENYL)(1	30.08	21000	NJ

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SED01-DDRE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1643

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	15000	U
108-95-2	Phenol	2500	J
111-44-4	bis(2-Chloroethyl)Ether	15000	U
95-57-8	2-Chlorophenol	15000	U
95-48-7	2-Methylphenol	15000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	15000	U
98-86-2	Acetophenone	1500	J
106-44-5	4-Methylphenol	15000	U
621-64-7	N-Nitroso-di-n-propylamine	15000	U
67-72-1	Hexachloroethane	15000	U
98-95-3	Nitrobenzene	15000	U
78-59-1	Isophorone	15000	U
88-75-5	2-Nitrophenol	15000	U
105-67-9	2,4-Dimethylphenol	4700	J
111-91-1	bis(2-Chloroethoxy)methane	15000	U
120-83-2	2,4-Dichlorophenol	15000	U
91-20-3	Naphthalene	15000	U
106-47-8	4-Chloroaniline	15000	U
87-68-3	Hexachlorobutadiene	15000	U
105-60-2	Caprolactam	15000	U
59-50-7	4-Chloro-3-methylphenol	15000	U
91-57-6	2-Methylnaphthalene	15000	U
77-47-4	Hexachlorocyclopentadiene	15000	U
88-06-2	2,4,6-Trichlorophenol	15000	U
95-95-4	2,4,5-Trichlorophenol	37000	U
92-52-4	1,1'-Biphenyl	15000	U
91-58-7	2-Chloronaphthalene	15000	U
88-74-4	2-Nitroaniline	37000	U
131-11-3	Dimethylphthalate	15000	U
606-20-2	2,6-Dinitrotoluene	15000	U
208-96-8	Acenaphthylene	15000	U
99-09-2	3-Nitroaniline	37000	U
83-32-9	Acenaphthene	15000	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-SED01-DDRE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1643

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	37000	U
100-02-7	4-Nitrophenol	37000	U
132-64-9	Dibenzofuran	15000	U
121-14-2	2,4-Dinitrotoluene	15000	U
84-66-2	Diethylphthalate	15000	U
86-73-7	Fluorene	15000	U
7005-72-3	4-Chlorophenyl-phenylether	15000	U
100-01-6	4-Nitroaniline	37000	U
534-52-1	4,6-Dinitro-2-methylphenol	37000	U
86-30-6	N-Nitrosodiphenylamine (1)	15000	U
101-55-3	4-Bromophenyl-phenylether	15000	U
118-74-1	Hexachlorobenzene	15000	U
1912-24-9	Atrazine	15000	U
87-86-5	Pentachlorophenol	37000	U
85-01-8	Phenanthrene	2600	J
120-12-7	Anthracene	15000	U
86-74-8	Carbazole	15000	U
84-74-2	Di-n-butylphthalate	15000	U
206-44-0	Fluoranthene	15000	U
129-00-0	Pyrene	1800	J
85-68-7	Butylbenzylphthalate	3600	J
91-94-1	3,3'-Dichlorobenzidine	15000	U
56-55-3	Benzo(a)anthracene	15000	U
218-01-9	Chrysene	15000	U
117-81-7	bis(2-Ethylhexyl)phthalate	41000	
117-84-0	Di-n-octylphthalate	15000	U
205-99-2	Benzo(b)fluoranthene	15000	U
207-08-9	Benzo(k)fluoranthene	15000	U
50-32-8	Benzo(a)pyrene	15000	U
193-39-5	Indeno(1,2,3-cd)pyrene	15000	U
53-70-3	Dibenzo(a,h)anthracene	15000	U
191-24-2	Benzo(g,h,i)perylene	15000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-SED01-DDRE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-05A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: K1643

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 47 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1200(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

Number TICs found: 28

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	88-69-7	PHENOL, 2-(1-METHYLETHYL)-	13.40	930000	NJ
2.	2078-54-8	PROPOFOL	15.96	540000	NJ
3.	35946-91-9	PHENOL, 2,5-BIS(1-METHYLETHY	16.28	89000	NJ
4.		UNKNOWN HYDROCARBON	21.59	54000	J
5.		UNKNOWN PAH	25.04	54000	J
6.		UNKNOWN AROMATIC	25.48	1600000	J
7.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	25.64	250000	NJ
8.		UNKNOWN AROMATIC	25.70	630000	J
9.		UNKNOWN AROMATIC	26.06	1700000	J
10.		UNKNOWN AROMATIC	26.21	180000	J
11.		UNKNOWN AROMATIC	26.36	1400000	J
12.		UNKNOWN AROMATIC	26.72	290000	J
13.		UNKNOWN AROMATIC	26.88	41000	J
14.		UNKNOWN AROMATIC	27.01	160000	J
15.		UNKNOWN AROMATIC	27.11	69000	J
16.	4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	27.41	180000	NJ
17.	4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	27.98	65000	NJ
18.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	28.12	11000	NJ
19.		UNKNOWN AROMATIC	28.25	74000	J
20.	1746-23-2	BENZENE, 1-(1,1-DIMETHYLETHY	28.43	81000	NJ
21.		UNKNOWN AROMATIC	28.75	100000	J
22.		UNKNOWN AROMATIC	28.80	9200	J
23.		UNKNOWN AROMATIC	29.00	9600	J
24.		UNKNOWN AROMATIC	29.19	27000	J
25.		UNKNOWN AROMATIC	29.58	10000	J
26.	21564-91-0	NAPHTHALENE, 1,2,3,4-TETRAHY	29.80	9700	NJ
27.	5557-93-7	BENZENE, 1-(1-METHYLETHENYL)	30.04	10000	NJ
28.	25446-32-6	INDAN, 2-BUTYL-5-HEXYL-	30.61	40000	NJ
29.					
30.					

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SED01-DO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-04A

Sample wt/vol: 30.9(g/mL) G Lab File ID: K1623

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 42 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1400(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	15000	U
108-95-2	Phenol	1900	J
111-44-4	bis(2-Chloroethyl)Ether	15000	U
95-57-8	2-Chlorophenol	15000	U
95-48-7	2-Methylphenol	15000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	15000	U
98-86-2	Acetophenone	15000	U
106-44-5	4-Methylphenol	15000	U
621-64-7	N-Nitroso-di-n-propylamine	15000	U
67-72-1	Hexachloroethane	15000	U
98-95-3	Nitrobenzene	15000	U
78-59-1	Isophorone	15000	U
88-75-5	2-Nitrophenol	15000	U
105-67-9	2,4-Dimethylphenol	5300	J
111-91-1	bis(2-Chloroethoxy)methane	15000	U
120-83-2	2,4-Dichlorophenol	15000	U
91-20-3	Naphthalene	15000	U
106-47-8	4-Chloroaniline	15000	U
87-68-3	Hexachlorobutadiene	15000	U
105-60-2	Caprolactam	15000	U
59-50-7	4-Chloro-3-methylphenol	15000	U
91-57-6	2-Methylnaphthalene	15000	U
77-47-4	Hexachlorocyclopentadiene	15000	U
88-06-2	2,4,6-Trichlorophenol	15000	U
95-95-4	2,4,5-Trichlorophenol	39000	U
92-52-4	1,1'-Biphenyl	15000	U
91-58-7	2-Chloronaphthalene	15000	U
88-74-4	2-Nitroaniline	39000	U
131-11-3	Dimethylphthalate	15000	U
606-20-2	2,6-Dinitrotoluene	15000	U
208-96-8	Acenaphthylene	15000	U
99-09-2	3-Nitroaniline	39000	U
83-32-9	Acenaphthene	15000	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-SED01-DO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-04A

Sample wt/vol: 30.9(g/mL) G Lab File ID: K1623

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: 42 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 1400(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	39000	U
100-02-7	4-Nitrophenol	39000	U
132-64-9	Dibenzofuran	15000	U
121-14-2	2,4-Dinitrotoluene	15000	U
84-66-2	Diethylphthalate	15000	U
86-73-7	Fluorene	15000	U
7005-72-3	4-Chlorophenyl-phenylether	15000	U
100-01-6	4-Nitroaniline	39000	U
534-52-1	4,6-Dinitro-2-methylphenol	39000	U
86-30-6	N-Nitrosodiphenylamine (1)	15000	U
101-55-3	4-Bromophenyl-phenylether	15000	U
118-74-1	Hexachlorobenzene	15000	U
1912-24-9	Atrazine	15000	U
87-86-5	Pentachlorophenol	39000	U
85-01-8	Phenanthrene	2400	J
120-12-7	Anthracene	15000	U
86-74-8	Carbazole	15000	U
84-74-2	Di-n-butylphthalate	15000	U
206-44-0	Fluoranthene	15000	U
129-00-0	Pyrene	15000	U
85-68-7	Butylbenzylphthalate	2300	J
91-94-1	3,3'-Dichlorobenzidine	15000	U
56-55-3	Benzo(a)anthracene	15000	U
218-01-9	Chrysene	15000	U
117-81-7	bis(2-Ethylhexyl)phthalate	26000	
117-84-0	Di-n-octylphthalate	15000	U J
205-99-2	Benzo(b)fluoranthene	15000	U
207-08-9	Benzo(k)fluoranthene	15000	U
50-32-8	Benzo(a)pyrene	15000	U
193-39-5	Indeno(1,2,3-cd)pyrene	15000	U
53-70-3	Dibenzo(a,h)anthracene	15000	U
191-24-2	Benzo(g,h,i)perylene	15000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-SED01-DO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL

Lab Sample ID: 12046-04A

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: K1623

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: 42 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 1400(uL)

Date Analyzed: 12/18/01

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

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

Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	88-69-7	PHENOL, 2-(1-METHYLETHYL)-	13.40	760000	NJ
2.	2934-05-6	PHENOL, 2,4-BIS(1-METHYLETHY	15.97	360000	NJ
3.	115-86-6	TRIPHENYL PHOSPHATE	24.73	970000	NJ
4.		UNKNOWN PAH	25.05	37000	J
5.		UNKNOWN PAH	25.09	38000	J
6.		UNKNOWN AROMATIC	25.48	1400000	J
7.		UNKNOWN AROMATIC	25.53	29000	J
8.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	25.65	190000	NJ
9.		UNKNOWN AROMATIC	25.72	190000	J
10.		UNKNOWN AROMATIC	26.07	1200000	J
11.		UNKNOWN AROMATIC	26.23	140000	J
12.		UNKNOWN AROMATIC	26.35	840000	J
13.		UNKNOWN AROMATIC	26.41	200000	J
14.	56803-37-3	PHOSPHORIC ACID, (1,1-DIMETH	26.46	130000	NJ
15.		UNKNOWN AROMATIC	26.72	380000	J
16.		UNKNOWN AROMATIC	26.81	220000	J
17.		UNKNOWN AROMATIC	26.89	56000	J
18.		UNKNOWN AROMATIC	27.03	240000	J
19.		UNKNOWN AROMATIC	27.13	110000	J
20.		UNKNOWN AROMATIC	27.44	240000	J
21.		UNKNOWN AROMATIC	28.02	96000	J
22.		UNKNOWN AROMATIC	28.16	16000	J
23.		UNKNOWN AROMATIC	28.29	110000	J
24.	27193-71-1	BENZENE, (1-METHYLETHENYL)(1	28.48	110000	NJ
25.		UNKNOWN AROMATIC	28.55	97000	J
26.		UNKNOWN AROMATIC	28.80	140000	J
27.	1000191-49-3	11-ISOPROPYLIDENETRICYCLO[4.	29.25	43000	NJ
28.		UNKNOWN AROMATIC	29.65	18000	J
29.	1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	29.88	18000	NJ
30.	5557-93-7	BENZENE, 1-(1-METHYLETHENYL)	30.11	17000	NJ

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-BK01-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-07A

Sample wt/vol: 31.5 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	12	P
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	7.9	P
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	2.7	JP
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4'-DDT	5.7	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	18	P
7421-93-4	Endrin aldehyde	4.6	BP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	1.5	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-BK02-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-08A

Sample wt/vol: 30.8 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	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	2.1	U
309-00-2	Aldrin	3.6	P
1024-57-3	Heptachlor epoxide	14	P
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	8.6	P
72-20-8	Endrin	3.2	J
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.7	P
50-29-3	4,4'-DDT	8.1	
72-43-5	Methoxychlor	8.4	JP
53494-70-5	Endrin ketone	14	P
7421-93-4	Endrin aldehyde	3.7	BJP
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-BK03-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-09A

Sample wt/vol: 30.9 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	1.0	JP
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	5.0	P
1024-57-3	Heptachlor epoxide	28	P
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	29	
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	3.0	JP
1031-07-8	Endosulfan sulfate	44	P
50-29-3	4,4'-DDT	9.6	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	100	PE
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.4	P
5103-74-2	gamma-Chlordane	3.6	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-BK03-SODL

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 112046-09ADL

Sample wt/vol: 30.9 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	6.9	JPD
1024-57-3	Heptachlor epoxide	34	PD
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	24	PD
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	25	PD
50-29-3	4,4'-DDT	6.3	JPD
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	120	D
7421-93-4	Endrin aldehyde	21	U
5103-71-9	alpha-Chlordane	11	U
5103-74-2	gamma-Chlordane	2.3	JPD
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	420	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-RW02-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-01B

Sample wt/vol: 31.7 (g/mL) G Lab File ID:

% Moisture: 16 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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	3.2	P
1024-57-3	Heptachlor epoxide	8.4	P
959-98-8	Endosulfan I	2.3	P
60-57-1	Dieldrin	0.29	BJP
72-55-9	4,4'-DDE	4.9	P
72-20-8	Endrin	1.7	JP
33213-65-9	Endosulfan II	1.1	JP
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	7.6	P
50-29-3	4,4'-DDT	6.3	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	14	P
7421-93-4	Endrin aldehyde	2.0	BJP
5103-71-9	alpha-Chlordane	1.3	JP
5103-74-2	gamma-Chlordane	1.4	J
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SED01-DD

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-05A

Sample wt/vol: 31.1 (g/mL) G Lab File ID:

% Moisture: 47 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.0	P
319-85-7	beta-BHC	3.1	U
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC (Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	3.1	U
1024-57-3	Heptachlor epoxide	10	P
959-98-8	Endosulfan I	12	P
60-57-1	Dieldrin	5.2	BJP
72-55-9	4,4'-DDE	7.8	P
72-20-8	Endrin	6.0	U
33213-65-9	Endosulfan II	1.9	JP
72-54-8	4,4'-DDD	6.0	U
1031-07-8	Endosulfan sulfate	6.0	U
50-29-3	4,4'-DDT	4.8	J
72-43-5	Methoxychlor	5.0	JP
53494-70-5	Endrin ketone	6.0	U
7421-93-4	Endrin aldehyde	6.6	BP
5103-71-9	alpha-Chlordane	3.1	U
5103-74-2	gamma-Chlordane	5.0	P
8001-35-2	Toxaphene	310	U
12674-11-2	Aroclor-1016	60	U R
11104-28-2	Aroclor-1221	120	U ↓
11141-16-5	Aroclor-1232	60	U ↓
53469-21-9	Aroclor-1242	440	P J
12672-29-6	Aroclor-1248	60	U R
11097-69-1	Aroclor-1254	60	U ↓
11096-82-5	Aroclor-1260	60	U ↓

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SED01-DO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-04A

Sample wt/vol: 32.3 (g/mL) G Lab File ID:

% Moisture: 42 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.5	P
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	11	
959-98-8	Endosulfan I	2.8	P
60-57-1	Dieldrin	2.6	BJP
72-55-9	4,4'-DDE	7.1	P
72-20-8	Endrin	5.3	U
33213-65-9	Endosulfan II	3.6	J
72-54-8	4,4'-DDD	5.3	U
1031-07-8	Endosulfan sulfate	5.3	U
50-29-3	4,4'-DDT	2.6	JP
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.3	U
7421-93-4	Endrin aldehyde	5.0	BJP
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.6	JP
~~8001-35-2~~	Toxaphene	270	U
12674-11-2	Aroclor-1016	~~53~~	~~U~~ R
11104-28-2	Aroclor-1221	~~110~~	~~U~~
11141-16-5	Aroclor-1232	~~53~~	~~U~~
53469-21-9	Aroclor-1242	260	P J
12672-29-6	Aroclor-1248	~~53~~	~~U~~ R
11097-69-1	Aroclor-1254	~~53~~	~~U~~
11096-82-5	Aroclor-1260	~~53~~	~~U~~

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

3501
DF-~~SS02~~-SO
3-3-02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-06A

Sample wt/vol: 30.5 (g/mL) G Lab File ID:

% Moisture: 3 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: ~~12/07/01~~ 12/04/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	0.87	JP
1024-57-3	Heptachlor epoxide	0.83	JP
959-98-8	Endosulfan I	0.65	JP
60-57-1	Dieldrin	0.64	BJP
72-55-9	4,4'-DDE	1.4	JP
72-20-8	Endrin	0.69	JP
33213-65-9	Endosulfan II	2.5	J
72-54-8	4,4'-DDD	0.98	JP
1031-07-8	Endosulfan sulfate	1.8	JP
50-29-3	4,4'-DDT	2.1	J
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	1.4	JP
7421-93-4	Endrin aldehyde	0.94	BJ
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	68	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 ~~24~~	~~BJP~~ U
11096-82-5	Aroclor-1260	33	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SS02-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-20A

Sample wt/vol: 30.4 (g/mL) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	JP
319-85-7	beta-BHC	3.3	P
319-86-8	delta-BHC	1.3	JP
58-89-9	gamma-BHC (Lindane)	1.0	JP
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	14	P
1024-57-3	Heptachlor epoxide	51	E
959-98-8	Endosulfan I	20	P
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	27	P
72-20-8	Endrin	15	P
33213-65-9	Endosulfan II	26	P
72-54-8	4,4'-DDD	28	P
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	70	P
53494-70-5	Endrin ketone	82	PE
7421-93-4	Endrin aldehyde	43	BP
5103-71-9	alpha-Chlordane	5.4	P
5103-74-2	gamma-Chlordane	21	
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SS02-SODL

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 112046-20ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.3	U
319-85-7	beta-BHC	2.7	JPD
319-86-8	delta-BHC	9.3	U
58-89-9	gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	12	PD
1024-57-3	Heptachlor epoxide	39	PD
959-98-8	Endosulfan I	11	PD
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	16	JPD
72-20-8	Endrin	10	JPD
33213-65-9	Endosulfan II	18	DJ
72-54-8	4,4'-DDD	11	JPD
1031-07-8	Endosulfan sulfate	16	JPD
50-29-3	4,4'-DDT	22	D
72-43-5	Methoxychlor	44	JPD
53494-70-5	Endrin ketone	29	PD
7421-93-4	Endrin aldehyde	14	BJPD
5103-71-9	alpha-Chlordane	9.3	U
5103-74-2	gamma-Chlordane	7.1	JPD
8001-35-2	Toxaphene	930	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUB03-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-12B

Sample wt/vol: 34.0 (g/mL) G Lab File ID:

% Moisture: 7 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 10.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.8	P
1024-57-3	Heptachlor epoxide	1.6	JP
959-98-8	Endosulfan I	0.49	JP
60-57-1	Dieldrin	0.098	BJP
72-55-9	4,4'-DDE	3.1	U
72-20-8	Endrin	0.58	J
33213-65-9	Endosulfan II	0.75	JP
72-54-8	4,4'-DDD	3.1	U
1031-07-8	Endosulfan sulfate	3.1	U
50-29-3	4,4'-DDT	1.3	JP
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	4.2	
7421-93-4	Endrin aldehyde	0.33	BJP
5103-71-9	alpha-Chlordane	0.88	JP
5103-74-2	gamma-Chlordane	0.63	JP
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	31	U
11104-28-2	Aroclor-1221	64	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	31	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	43	~~BP~~ U
11096-82-5	Aroclor-1260	31	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUB07-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-16A

Sample wt/vol: 31.5 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/~~07~~/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/16/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 12.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	0.47	JP
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.1	JP
309-00-2	Aldrin	1.8	JP
1024-57-3	Heptachlor epoxide	2.6	
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	1.1	J
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	2.1	JP
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	10	P
7421-93-4	Endrin aldehyde	0.70	BJP
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.0	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	33	JP
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	68	~~BP~~ U
11096-82-5	Aroclor-1260	38	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DFSUB03-SD

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112046 SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 0112046-02B

Sample wt/vol: 31.5 (g/mL) G Lab File ID:

% Moisture: 9 decanted: (Y/N) N Date Received: 12/05/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 9.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	0.87	JP
1024-57-3	Heptachlor epoxide	1.6	J
959-98-8	Endosulfan I	0.45	JP
60-57-1	Dieldrin	0.16	BJP
72-55-9	4,4'-DDE	0.70	JP
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	1.7	J
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	0.97	JP
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	2.8	JP
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	0.17	JP
5103-74-2	gamma-Chlordane	0.30	JP
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

Ecology and Environment, Inc.
Analytical Services Center
4493 Walden Avenue
Lancaster, New York 14086-

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: DF-BK01-SO
Lab Order: 0112046
Alt. Client ID:
Project: Dussault Foundry
Collection Date: 12/5/01 5:03:00 PM **% Moist:**20.40
Lab ID: 0112046-07A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.610	mg/Kg-dry	1	12/12/01 11:04:57 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

Ecology and Environment, Inc.

Analytical Services Center

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Lancaster, New York 14086-

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-BK02-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 5:04:00 PM **% Moist:**22.40

Lab ID: 0112046-08A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.644	mg/Kg-dry	1	12/12/01 11:05:55 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-BK03-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 5:05:00 PM **% Moist:**21.50

Lab ID: 0112046-09A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.917		0.624	mg/Kg-dry	1	12/12/01 11:06:54 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Lab Order: 0112046

Project: Dussault Foundry

Client Sample ID: DF-SUB01-SO

Alt. Client ID:

Collection Date: 12/5/01 11:00:00 AM **% Moist:** 11.00

Lab ID: 0112046-10A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.545	mg/Kg-dry	1	12/12/01 11:07:52 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M - Matrix Spike recovery outside limits
A - Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUB02-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 10:11:00 AM **% Moist:** 5.26

Lab ID: 0112046-11A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.862		0.523	mg/Kg-dry	1	12/13/01 10:35:33 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit

J - Analyte detected below Reporting limits

B - Analyte detected in the associated Method Blank

H - Value exceeds Maximum Contaminant Level

* - Recovery outside limits

R - RPD outside recovery limits

E - Value above quantitation range

Surr - Denotes Surrogate Compound

M -Matrix Spike recovery outside limits

A -Result by Method of Std. Addition

D - Diluted due to matrix or extended target compounds

N - Single Column Analysis

Q - Qualifier

X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUB03-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 10:30:00 AM **% Moist:**6.96

Lab ID: 0112046-12B **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	1.67		0.527	mg/Kg-dry	1	12/13/01 10:36:30 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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4493 Walden Avenue
Lancaster, New York 14086-

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: DF-SUB04-SO
Lab Order: 0112046
Alt. Client ID:
Project: Dussault Foundry
Collection Date: 12/5/01 10:53:00 AM **% Moist:**6.16
Lab ID: 0112046-13A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	1.44		0.538	mg/Kg-dry	1	12/13/01 10:37:27 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office **Client Sample ID:** DF-SUB05-SO

Lab Order: 0112046 **Alt. Client ID:**

Project: Dussault Foundry **Collection Date:** 12/5/01 11:18:00 AM **% Moist:** 9.41

Lab ID: 0112046-14B **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.563	mg/Kg-dry	1	12/13/01 10:38:24 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

Ecology and Environment, Inc.

Analytical Services Center

4493 Walden Avenue

Lancaster, New York 14086-

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUB06-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 11:14:00 AM **% Moist:** 12.50

Lab ID: 0112046-15A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.560	mg/Kg-dry	1	12/13/01 10:39:22 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

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4493 Walden Avenue
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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Lab Order: 0112046
Project: Dussault Foundry
Client Sample ID: DF-SUB07-SO
Alt. Client ID:
Collection Date: 12/5/01 12:08:00 PM **% Moist:**17.00
Lab ID: 0112046-16A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	2.68		0.596	mg/Kg-dry	1	12/13/01 10:40:19 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

Ecology and Environment, Inc.

Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUB08-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 12:11:00 PM **% Moist:** 14.30

Lab ID: 0112046-17A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.867		0.589	mg/Kg-dry	1	12/13/01 10:41:16 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit

J - Analyte detected below Reporting limits

B - Analyte detected in the associated Method Blank

H - Value exceeds Maximum Contaminant Level

* - Recovery outside limits

R - RPD outside recovery limits

E - Value above quantitation range

Surr - Denotes Surrogate Compound

M -Matrix Spike recovery outside limits

A -Result by Method of Std. Addition

D - Diluted due to matrix or extended target compounds

N - Single Column Analysis

Q - Qualifier

X - See Case Narrative

Ecology and Environment, Inc.

Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office **Client Sample ID:** DF-SUB09-SO

Lab Order: 0112046 **Alt. Client ID:**

Project: Dussault Foundry **Collection Date:** 12/5/01 12:16:00 PM **% Moist:** 8.50

Lab ID: 0112046-18A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.865		0.541	mg/Kg-dry	1	12/13/01 10:42:13 PM	LACHAT_PHENOLS_01121	DGB

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUB10-SO

Lab Order: 0112046

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/5/01 12:24:00 PM **% Moist:** 8.74

Lab ID: 0112046-19A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	2.03	J	0.542	mg/Kg-dry	1	12/17/01 8:12:47 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12A

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0822

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

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

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	61,000 ~~62000~~	E J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12A

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0822

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

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

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DF-AST1-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12A

Sample wt/vol: 4.2 (g/mL) G Lab File ID: J0822

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

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

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.26	930	J
2.		UNKNOWN	2.38	1200	J
3.	67-63-0	~~UNKNOWN~~ 2-Propanol	3.72	970	JN
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SDDL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12ADL

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0829

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5400	U
74-87-3	Chloromethane	5400	U
75-01-4	Vinyl Chloride	5400	U
74-83-9	Bromomethane	5400	U
75-00-3	Chloroethane	5400	U
75-69-4	Trichlorofluoromethane	5400	U
75-35-4	1,1-Dichloroethene	5400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5400	U
67-64-1	Acetone	61000	D
75-15-0	Carbon Disulfide	5400	U
79-20-9	Methyl Acetate	5400	U
75-09-2	Methylene Chloride	5400	U
156-60-5	trans-1,2-Dichloroethene	5400	U
1634-04-4	Methyl tert-Butyl Ether	5400	U
75-34-3	1,1-Dichloroethane	5400	U
156-59-2	cis-1,2-Dichloroethene	5400	U
78-93-3	2-Butanone	5400	U
67-66-3	Chloroform	5400	U
71-55-6	1,1,1-Trichloroethane	5400	U
110-82-7	Cyclohexane	5400	U
56-23-5	Carbon Tetrachloride	5400	U
71-43-2	Benzene	5400	U
107-06-2	1,2-Dichloroethane	5400	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SDDL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12ADL

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0829

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5400	U
108-87-2	Methylcyclohexane	5400	U
78-87-5	1,2-Dichloropropane	5400	U
75-27-4	Bromodichloromethane	5400	U
10061-01-5	cis-1,3-Dichloropropene	5400	U
108-10-1	4-Methyl-2-Pentanone	5400	U
108-88-3	Toluene	5400	U
10061-02-6	trans-1,3-Dichloropropene	5400	U
79-00-5	1,1,2-Trichloroethane	5400	U
127-18-4	Tetrachloroethene	5400	U
591-78-6	2-Hexanone	5400	U
124-48-1	Dibromochloromethane	5400	U
106-93-4	1,2-Dibromoethane	5400	U
108-90-7	Chlorobenzene	5400	U
100-41-4	Ethylbenzene	5400	U
1330-20-7	Xylene (total)	5400	U
100-42-5	Styrene	5400	U
75-25-2	Bromoform	5400	U
98-82-8	Isopropylbenzene	5400	U
79-34-5	1,1,2,2-Tetrachloroethane	5400	U
541-73-1	1,3-Dichlorobenzene	5400	U
106-46-7	1,4-Dichlorobenzene	5400	U
95-50-1	1,2-Dichlorobenzene	5400	U
96-12-8	1,2-Dibromo-3-chloropropane	5400	U
120-82-1	1,2,4-Trichlorobenzene	5400	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DF-AST1-SDDL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-12ADL

Sample wt/vol: 4.2 (g/mL) G Lab File ID: J0829

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 14 Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.0

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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27.					
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DF-AST1-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-11A

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0820

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 17 Date Analyzed: 12/11/01

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

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	1400	U
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1400	U
67-64-1	Acetone	100000	~~E~~ J
75-15-0	Carbon Disulfide	1400	U
79-20-9	Methyl Acetate	1400	U
75-09-2	Methylene Chloride	1400	U
156-60-5	trans-1,2-Dichloroethene	1400	U
1634-04-4	Methyl tert-Butyl Ether	1400	U
75-34-3	1,1-Dichloroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U
78-93-3	2-Butanone	1400	U
67-66-3	Chloroform	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
110-82-7	Cyclohexane	1400	U
56-23-5	Carbon Tetrachloride	1400	U
71-43-2	Benzene	1400	U
107-06-2	1,2-Dichloroethane	1400	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DF-AST1-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-11A

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0820

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 17 Date Analyzed: 12/11/01

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

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1400	U
108-87-2	Methylcyclohexane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	U
108-88-3	Toluene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
127-18-4	Tetrachloroethene	1400	U
591-78-6	2-Hexanone	1400	U
124-48-1	Dibromochloromethane	1400	U
106-93-4	1,2-Dibromoethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
1330-20-7	Xylene (total)	1400	U
100-42-5	Styrene	1400	U
75-25-2	Bromoform	1400	U
98-82-8	Isopropylbenzene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

1F

EPA SAMPLE NO.

DF-AST1-SO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-11A

Sample wt/vol: 4.2 (g/mL) G

Lab File ID: J0820

Level: (low/med) MED

Date Received: 12/04/01

% Moisture: not dec. 17

Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10(ml)

Soil Aliquot Volume: 100(ul)

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.29	960	J
2.		UNKNOWN	2.39	1100	J
3.	67-63-0	2-PROPANOL	3.72	5400	NJ
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SODL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-11ADL

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0828

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 17 Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6900	U
74-87-3	Chloromethane	6900	U
75-01-4	Vinyl Chloride	6900	U
74-83-9	Bromomethane	6900	U
75-00-3	Chloroethane	6900	U
75-69-4	Trichlorofluoromethane	6900	U
75-35-4	1,1-Dichloroethene	6900	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6900	U
67-64-1	Acetone	100000	D
75-15-0	Carbon Disulfide	6900	U
79-20-9	Methyl Acetate	6900	U
75-09-2	Methylene Chloride	6900	U
156-60-5	trans-1,2-Dichloroethene	6900	U
1634-04-4	Methyl tert-Butyl Ether	6900	U
75-34-3	1,1-Dichloroethane	6900	U
156-59-2	cis-1,2-Dichloroethene	6900	U
78-93-3	2-Butanone	6900	U
67-66-3	Chloroform	6900	U
71-55-6	1,1,1-Trichloroethane	6900	U
110-82-7	Cyclohexane	6900	U
56-23-5	Carbon Tetrachloride	6900	U
71-43-2	Benzene	6900	U
107-06-2	1,2-Dichloroethane	6900	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-AST1-SODL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-11ADL

Sample wt/vol: 4.2(g/mL) G Lab File ID: J0828

Level: (low/med) MED Date Received: 12/04/01

% Moisture: not dec. 17 Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10(ml) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6900	U
108-87-2	Methylcyclohexane	6900	U
78-87-5	1,2-Dichloropropane	6900	U
75-27-4	Bromodichloromethane	6900	U
10061-01-5	cis-1,3-Dichloropropene	6900	U
108-10-1	4-Methyl-2-Pentanone	6900	U
108-88-3	Toluene	6900	U
10061-02-6	trans-1,3-Dichloropropene	6900	U
79-00-5	1,1,2-Trichloroethane	6900	U
127-18-4	Tetrachloroethene	6900	U
591-78-6	2-Hexanone	6900	U
124-48-1	Dibromochloromethane	6900	U
106-93-4	1,2-Dibromoethane	6900	U
108-90-7	Chlorobenzene	6900	U
100-41-4	Ethylbenzene	6900	U
1330-20-7	Xylene (total)	6900	U
100-42-5	Styrene	6900	U
75-25-2	Bromoform	6900	U
98-82-8	Isopropylbenzene	6900	U
79-34-5	1,1,2,2-Tetrachloroethane	6900	U
541-73-1	1,3-Dichlorobenzene	6900	U
106-46-7	1,4-Dichlorobenzene	6900	U
95-50-1	1,2-Dichlorobenzene	6900	U
96-12-8	1,2-Dibromo-3-chloropropane	6900	U
120-82-1	1,2,4-Trichlorobenzene	6900	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DF-AST1-SODL

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-11ADL

Sample wt/vol: 4.2 (g/mL) G

Lab File ID: J0828

Level: (low/med) MED

Date Received: 12/04/01

% Moisture: not dec. 17

Date Analyzed: 12/11/01

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: 10(ml)

Soil Aliquot Volume: 100(ul)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	UNKNOWN 2-propanol	3.68	5200	JDN
2.					
3.					
4.					
5.					
6.					
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17A

Sample wt/vol: 5.0(g/mL) G Lab File ID: F0929

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
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	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
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.

DF-RW01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17A

Sample wt/vol: 5.0(g/mL) G Lab File ID: F0929

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	23	
108-87-2	Methylcyclohexane	1	J
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 J
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	8	J
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	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DF-RW01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F0929

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	328-84-7	3,4-DICHLOROBENZOTRIFLUORIDE	23.59	8	NJ
2.					
3.					
4.					
5.					
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7.					
8.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RW01-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17ARE

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0934

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
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	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW01-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17ARE

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0934

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	19	
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	6	J
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	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DF-RW01-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17ARE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: F0934

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: not dec. 16 Date Analyzed: 12/07/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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29.					
30.					

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DF-SUMP1-WD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0721

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	17	
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.

DF-SUMP1-WD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0721

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP1-WD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0721

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUMP1-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0720

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/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	15	
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.

DF-SUMP1-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0720

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP1-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER

Lab Sample ID: 12047-02A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: J0720

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: not dec. _____

Date Analyzed: 12/07/01

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUMP2-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0722

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	18	
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.

DF-SUMP2-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0722

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP2-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0722

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUMP3-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0723

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP3-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0723

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP3-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER

Lab Sample ID: 12047-05A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: J0723

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: not dec. _____

Date Analyzed: 12/07/01

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUMP4-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0724

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	17	
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.

DF-SUMP4-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0724

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-SUMP4-WO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0724

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-TB01-WT

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0719

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-TB01-WT

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0719

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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.

DF-TB01-WT

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 12047-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: J0719

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. _____ Date Analyzed: 12/07/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-MS01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: · SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-06A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1607

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	47	J
108-95-2	Phenol	38	J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	65	J
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	150	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
92-52-4	1,1'-Biphenyl	59	J
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-MS01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-06A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1607

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	41	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	61	J
129-00-0	Pyrene	62	J
85-68-7	Butylbenzylphthalate	44	J
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	38	J
218-01-9	Chrysene	59	J
117-81-7	bis(2-Ethylhexyl)phthalate	360 ~~87~~	~~J~~ U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	36	J
207-08-9	Benzo(k)fluoranthene	40	J
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	40	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS01-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-06A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K1607

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.34	190	J
2.		UNKNOWN	9.72	270	JB
3.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	9.87	170	NJ
4.	90-12-0	NAPHTHALENE, 1-METHYL-	15.03	120	NJ
5.	571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	16.11	86	NJ
6.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.30	150	NJ
7.	575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	16.34	110	NJ
8.	575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	16.53	89	NJ
9.		UNKNOWN HYDROCARBON	16.66	82	J
10.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	17.51	87	NJ
11.	941-81-1	AZULENE, 4,6,8-TRIMETHYL-	18.13	87	NJ
12.		UNKNOWN ALKYL NAPTHALENE	19.55	120	J
13.	57-10-3	N-HEXADECANOIC ACID	21.16	290	NJ
14.	127-63-9	DIPHENYL SULFONE	21.28	310	NJ
15.	91-76-9	1,3,5-TRIAZINE-2,4-DIAMINE,	22.03	120	NJ
16.		UNKNOWN CARBOXYLIC ACID	22.74	140	J
17.	599-66-6	DI-P-TOLYL SULFONE	23.36	610	NJ
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-MS02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-07A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1606

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	55	J
108-95-2	Phenol	58	J
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	66	J
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	220	J
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	210	J
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	870	U
92-52-4	1,1'-Biphenyl	47	J
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	340	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	340	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-MS02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-07A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1606

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	65	J
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	70	J
129-00-0	Pyrene	68	J
85-68-7	Butylbenzylphthalate	64	J
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	38	J
218-01-9	Chrysene	53	J
117-81-7	bis(2-Ethylhexyl)phthalate	340 ~~210~~	J U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS02-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-07A

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: K1606

Level: (low/med) LOW

Date Received: 12/04/01

% Moisture: 6 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/17/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Extraction: (Type) SONC

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.35	260	J
2.		UNKNOWN	9.73	370	JB
3.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	9.88	180	NJ
4.		METHYLFUROATE ISOMER	11.65	170	J
5.		UNKNOWN OXYGENATED HYDROCARB	12.86	98	J
6.		UNKNOWN	13.58	1600	J
7.		UNKNOWN	14.00	180	J
8.	90-12-0	NAPHTHALENE, 1-METHYL-	15.03	130	NJ
9.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.31	170	NJ
10.		UNKNOWN	19.55	150	J
11.	57-10-3	N-HEXADECANOIC ACID	21.17	380	NJ
12.	57-11-4	OCTADECANOIC ACID	22.75	210	NJ
13.	599-66-6	DI-P-TOLYL SULFONE	23.12	370	NJ
14.	599-66-6	DI-P-TOLYL SULFONE	23.37	2400	NJ
15.		UNKNOWN AROMATIC	23.94	500	J
16.		UNKNOWN AROMATIC	24.21	300	J
17.		UNKNOWN AROMATIC	24.63	580	J
18.		UNKNOWN AROMATIC	26.51	1000	J
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-MS03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-08A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1605

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	49	J
108-95-2	Phenol	2900	
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	81	J
106-44-5	4-Methylphenol	41	J
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	150	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	69	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
92-52-4	1,1'-Biphenyl	74	J
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-MS03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-08A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1605

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	45	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	50	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	73	J
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	360 ~~250~~	~~J~~ U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	70	J
50-32-8	Benzo(a)pyrene	85	J
193-39-5	Indeno(1,2,3-cd)pyrene	78	J
53-70-3	Dibenzo(a,h)anthracene	39	J
191-24-2	Benzo(g,h,i)perylene	61	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS03-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-08A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: K1605

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.35	200	J
2.		UNKNOWN	9.73	340	JB
3.	88-69-7	PHENOL, 2-(1-METHYLETHYL)-	13.38	180	NJ
4.	3856-25-5	COPAENE	15.73	370	NJ
5.	134-84-9	METHANONE, (4-METHYLPHENYL)P	19.71	170	NJ
6.		UNKNOWN PHTHALATE	20.53	150	J
7.	90-47-1	XANTHONE	20.77	200	NJ
8.	57-10-3	N-HEXADECANOIC ACID	21.16	310	NJ
9.	127-63-9	DIPHENYL SULFONE	21.29	1000	NJ
10.	2467-03-0	PHENOL, 2-[(4-HYDROXYPHENYL)	21.55	150	NJ
11.	2467-02-9	PHENOL, 2,2'-METHYLENEBIS-	21.80	850	NJ
12.	2467-02-9	PHENOL, 2,2'-METHYLENEBIS-	22.31	1300	NJ
13.		UNKNOWN	22.67	270	J
14.	599-66-6	DI-P-TOLYL SULFONE	23.13	1400	NJ
15.	599-66-6	DI-P-TOLYL SULFONE	23.39	12000	NJ
16.		UNKNOWN	23.62	230	J
17.		UNKNOWN	23.84	1100	J
18.	115-86-6	PHOSPHORIC ACID, TRIPHENYL E	24.62	490	NJ
19.		UNKNOWN AROMATIC	25.33	1100	J
20.		UNKNOWN AROMATIC	25.91	1700	J
21.		UNKNOWN AROMATIC	26.20	230	J
22.		UNKNOWN AROMATIC	26.50	640	J
23.		UNKNOWN AROMATIC	26.57	280	J
24.		UNKNOWN AROMATIC	27.22	250	J
25.		UNKNOWN AROMATIC	28.62	200	J
26.		UNKNOWN	29.03	700	J
27.					
28.					
29.					
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-MS04-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-10A

Sample wt/vol: 30.3(g/mL) G Lab File ID: K1608

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	84	J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	54	J
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	120	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	110	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	910	U
92-52-4	1,1'-Biphenyl	38	J
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	94	J
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	360	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-MS04-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-10A

Sample wt/vol: 30.3(g/mL) G Lab File ID: K1608

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	50	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	37	J
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	92	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	420	
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	59	J
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	360 ~~180~~	~~J~~ U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	J
53-70-3	Dibenzo(a,h)anthracene	68	J
191-24-2	Benzo(g,h,i)perylene	120	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS04-SD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-10A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K1608

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.33	240	J
2.		UNKNOWN	9.72	310	JB
3.		PROPYLBENZENE ISOMER	9.87	180	J
4.	582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	16.29	91	NJ
5.		UNKNOWN PHTHALATE	20.53	110	J
6.	832-71-3	PHENANTHRENE, 3-METHYL-	21.11	91	NJ
7.	57-10-3	N-HEXADECANOIC ACID	21.15	300	NJ
8.	127-63-9	DIPHENYL SULFONE	21.27	270	NJ
9.	84-65-1	9,10-ANTHRACENEDIONE	21.73	120	NJ
10.		UNKNOWN CARBOXYLIC ACID	22.74	130	J
11.	599-66-6	DI-P-TOLYL SULFONE	23.11	300	NJ
12.	599-66-6	DI-P-TOLYL SULFONE	23.35	1600	NJ
13.		UNKNOWN ALKYL AROMATIC	23.83	320	J
14.		UNKNOWN AROMATIC	25.32	620	J
15.		UNKNOWN AROMATIC	26.49	440	J
16.	5557-93-7	BENZENE, 1-(1-METHYLETHENYL)	28.61	930	NJ
17.					
18.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-MS04-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-09A

Sample wt/vol: 30.0(g/mL) G Lab File ID: K1616

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	57	J
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	53	J
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	110	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	100	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	39	J
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	140	J
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-MS04-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-09A

Sample wt/vol: 30.0(g/mL) G Lab File ID: K1616

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	40	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	110	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	390	
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~170~~	J U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	190	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	49	J
191-24-2	Benzo(g,h,i)perylene	87	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS04-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-09A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: K1616

Level: (low/med) LOW

Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/17/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.35	200	J
2.		UNKNOWN	9.73	550	JB
3.		PROPYLBENZENE ISOMER	9.87	180	J
4.	575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	16.31	99	NJ
5.		UNKNOWN	18.13	130	J
6.		UNKNOWN	19.55	100	J
7.		UNKNOWN OXYGENATED PAH	20.43	92	J
8.		UNKNOWN PHTHALATE	20.54	110	J
9.	57-10-3	N-HEXADECANOIC ACID	21.17	290	NJ
10.	127-63-9	DIPHENYL SULFONE	21.29	250	NJ
11.		UNKNOWN OXYGENATED PAH	21.75	440	J
12.	91-76-9	1,3,5-TRIAZINE-2,4-DIAMINE,	22.04	230	NJ
13.	599-66-6	DI-P-TOLYL SULFONE	23.13	180	NJ
14.	599-66-6	DI-P-TOLYL SULFONE	23.37	1700	NJ
15.		UNKNOWN ALKYL AROMATIC	23.85	330	J
16.		UNKNOWN AROMATIC	26.52	870	J
17.	2388-14-9	BENZENE, 1-(1-METHYLETHENYL)	28.65	460	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: DF-MS04-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-09A

Sample wt/vol: 30.0(g/mL) G Lab File ID: K1629

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	150	J
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	86	J
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	110	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	39	J
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	120	J
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

EPA SAMPLE NO.

DF-MS04-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-09A

Sample wt/vol: 30.0(g/mL) G Lab File ID: K1629

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	43	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	89	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	44	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~160~~	J U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	180	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenzo(a,h)anthracene	45	J
191-24-2	Benzo(g,h,i)perylene	73	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-MS04-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-09A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: K1629

Level: (low/med) LOW

Date Received: 12/04/01

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/18/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.35	140	J
2.		UNKNOWN	9.72	500	JB
3.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	9.87	130	NJ
4.		UNKNOWN	10.94	130	J
5.		UNKNOWN	12.83	120	J
6.		UNKNOWN	13.00	110	J
7.		UNKNOWN PAH	20.53	140	J
8.	57-10-3	N-HEXADECANOIC ACID	21.16	480	NJ
9.	127-63-9	DIPHENYL SULFONE	21.29	210	NJ
10.		UNKNOWN OXYGENATED PAH	21.75	110	J
11.	91-76-9	1,3,5-TRIAZINE-2,4-DIAMINE,	22.03	270	NJ
12.	57-11-4	OCTADECANOIC ACID	22.75	180	NJ
13.	599-66-6	DI-P-TOLYL SULFONE	23.12	160	NJ
14.	599-66-6	DI-P-TOLYL SULFONE	23.36	1800	NJ
15.		UNKNOWN	23.83	430	J
16.		UNKNOWN AROMATIC	26.51	770	J
17.	21564-91-0	NAPHTHALENE, 1,2,3,4-TETRAHY	28.64	330	NJ
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19.					
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-13A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1627

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	49	J
108-95-2	Phenol	73	J
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	91	J
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	250	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	260	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	59	J
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	120	J
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-13A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1627

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	72	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	80	J
86-74-8	Carbazole	43	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	530	
129-00-0	Pyrene	460	
85-68-7	Butylbenzylphthalate	40	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	280	J
218-01-9	Chrysene	400	
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~140~~	~~J~~ U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	270	J
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	260	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	200	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR01-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K1627

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.72	380	JB
2.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	9.86	230	NJ
3.	90-12-0	NAPHTHALENE, 1-METHYL-	15.02	160	NJ
4.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.29	220	NJ
5.	575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	16.33	170	NJ
6.	575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	16.52	180	NJ
7.	1000142-22-6	DIMETHYLNAPHTHOFURAN ISOMER	19.54	160	NJ
8.	1000210-52-3	NAPHTHO[2,3-B]NORBORNADIENE	21.11	220	NJ
9.	57-10-3	N-HEXADECANOIC ACID	21.16	510	NJ
10.	610-48-0	ANTHRACENE, 1-METHYL-	21.29	230	NJ
11.	629-62-9	PENTADECANE	21.44	210	NJ
12.	54833-48-6	HEPTADECANE, 2,6,10,15-TETRA	22.22	230	NJ
13.		UNKNOWN	22.32	210	J
14.		UNKNOWN CARBOXYLIC ACID	22.74	410	J
15.	599-66-6	DI-P-TOLYL SULFONE	23.35	990	NJ
16.		UNKNOWN OXYGENATED PAH	24.00	240	J
17.		UNKNOWN AROMATIC	25.90	420	J
18.		UNKNOWN HYDROCARBON	26.51	260	J
19.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.37	290	NJ
20.		UNKNOWN ALKYL AROMATIC	28.62	180	J
21.	83-47-6	.GAMMA.-SITOSTEROL	31.10	650	NJ
22.	1058-61-3	STIGMAST-4-EN-3-ONE	33.01	300	NJ
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1638

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	1600	U
108-95-2	Phenol	220	J
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
98-86-2	Acetophenone	210	J
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
105-60-2	Caprolactam	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	310	J
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4000	U
92-52-4	1,1'-Biphenyl	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
208-96-8	Acenaphthylene	5600	
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1600	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1638

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
1912-24-9	Atrazine	1600	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	1300	J
120-12-7	Anthracene	3000	
86-74-8	Carbazole	630	J
84-74-2	Di-n-butylphthalate	990	J
206-44-0	Fluoranthene	6700	
129-00-0	Pyrene	5400	
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	6900	
218-01-9	Chrysene	7300	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo(b)fluoranthene	7000	J
207-08-9	Benzo(k)fluoranthene	5300	
50-32-8	Benzo(a)pyrene	5900	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	1400	J
191-24-2	Benzo(g,h,i)perylene	1600	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DF-RR02-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K1638

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN PAH	21.30	1700	J
2.	243-17-4	11H-BENZO[B]FLUORENE	23.44	930	NJ
3.		UNKNOWN PAH	23.61	700	J
4.	2381-21-7	PYRENE, 1-METHYL-	23.65	880	NJ
5.	2381-21-7	PYRENE, 1-METHYL-	23.84	1400	NJ
6.		UNKNOWN PAH	24.06	880	J
7.	3029-19-4	1-PYRENE-CARBOXALDEHYDE	24.59	1500	NJ
8.	243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	24.75	1200	NJ
9.		UNKNOWN PAH	24.81	640	J
10.		UNKNOWN PAH	24.84	1200	J
11.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.92	1100	NJ
12.	25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	25.34	920	NJ
13.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.42	790	NJ
14.	1705-85-7	CHRYSENE, 6-METHYL-	25.78	2000	NJ
15.		UNKNOWN PAH	25.83	1100	J
16.		UNKNOWN PAH	26.00	1200	J
17.	1090-13-7	5,12-NAPHTHACENEDIONE	26.32	1700	NJ
18.		UNKNOWN OXYGENATED HYDROCARB	26.52	800	J
19.		UNKNOWN PAH	26.62	2600	J
20.	192-97-2	BENZO[E]PYRENE	27.08	3400	NJ
21.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.23	1400	NJ
22.	198-55-0	PERYLENE	27.42	6300	NJ
23.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.68	3500	NJ
24.	220-97-3	11H-INDENO[2,1-A]PHENANTHREN	27.92	1100	NJ
25.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	29.80	1300	NJ
26.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	30.46	1300	NJ
27.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	30.58	1100	NJ
28.	1000214-20-7	STIGMASTEROL, 22,23-DIHYDRO-	31.10	1300	NJ
29.		UNKNOWN OXYGENATED HYDROCARB	31.82	1100	J
30.	1058-61-3	STIGMAST-4-EN-3-ONE	33.00	3100	NJ

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR02-SDRE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1645

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1600	U
108-95-2	Phenol	230	J
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
98-86-2	Acetophenone	270	J
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
105-60-2	Caprolactam	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	310	J
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4000	U
92-52-4	1,1'-Biphenyl	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
208-96-8	Acenaphthylene	5900	
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1600	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR02-SDRE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1(g/mL) G Lab File ID: K1645

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	180	J
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
1912-24-9	Atrazine	1600	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	1300	J
120-12-7	Anthracene	3200	
86-74-8	Carbazole	660	J
84-74-2	Di-n-butylphthalate	1100	J
206-44-0	Fluoranthene	7700	
129-00-0	Pyrene	4800	
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	6900	
218-01-9	Chrysene	7300	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo(b)fluoranthene	7700	
207-08-9	Benzo(k)fluoranthene	7200	
50-32-8	Benzo(a)pyrene	6300	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenzo(a,h)anthracene	1100	J
191-24-2	Benzo(g,h,i)perylene	1200	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR02-SDRE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-16A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K1645

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	501-65-5	DIPHENYLETHYNE	19.54	830	NJ
2.		UNKNOWN PAH	20.61	1000	J
3.		UNKNOWN PAH	20.69	930	J
4.	613-12-7	ANTHRACENE, 2-METHYL-	21.19	1400	NJ
5.	779-02-2	ANTHRACENE, 9-METHYL-	21.64	940	NJ
6.	781-43-1	9,10-DIMETHYLANTHRACENE	22.21	1500	NJ
7.	781-43-1	9,10-DIMETHYLANTHRACENE	22.27	980	NJ
8.	81-84-5	1,8-NAPHTHALIC ANHYDRIDE	22.32	840	NJ
9.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.39	1700	NJ
10.	2381-21-7	PYRENE, 1-METHYL-	23.44	550	NJ
11.		UNKNOWN PAH	23.61	430	J
12.		UNKNOWN PAH	23.77	370	J
13.	3442-78-2	PYRENE, 2-METHYL-	23.84	1100	NJ
14.	3353-12-6	PYRENE, 4-METHYL-	24.01	490	NJ
15.	2381-21-7	PYRENE, 1-METHYL-	24.06	530	NJ
16.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	780	NJ
17.	243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	24.75	790	NJ
18.		UNKNOWN PAH	24.81	510	J
19.		UNKNOWN PAH	24.84	1100	J
20.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.93	710	NJ
21.		UNKNOWN OXYGENATED PAH	25.26	350	J
22.	25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	25.34	580	NJ
23.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.41	380	NJ
24.	3697-24-3	CHRYSENE, 5-METHYL-	25.78	1200	NJ
25.		UNKNOWN PAH	25.84	580	J
26.		UNKNOWN PAH	26.00	1000	J
27.	1090-13-7	5,12-NAPHTHACENEDIONE	26.31	1100	NJ
28.		UNKNOWN OXYGENATED HYDROCARB	26.52	1700	J
29.	192-97-2	BENZO[E]PYRENE	27.08	4600	NJ
30.	198-55-0	PERYLENE	27.42	6500	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-14A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1637

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	bis(2-Chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	250	J
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	260	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	5000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	4400	
99-09-2	3-Nitroaniline	5000	U
83-32-9	Acenaphthene	2000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-14A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1637

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5000	U
100-02-7	4-Nitrophenol	5000	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	5000	U
534-52-1	4,6-Dinitro-2-methylphenol	5000	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	2400	
86-74-8	Carbazole	490	J
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	5800	
129-00-0	Pyrene	5900	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)anthracene	6000	
218-01-9	Chrysene	6200	
117-81-7	bis(2-Ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo(b)fluoranthene	4400	J
207-08-9	Benzo(k)fluoranthene	5200	
50-32-8	Benzo(a)pyrene	5100	
193-39-5	Indeno(1,2,3-cd)pyrene	4000	
53-70-3	Dibenzo(a,h)anthracene	1800	J
191-24-2	Benzo(g,h,i)perylene	2300	

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR02-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-14A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: K1637

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN PAH	21.29	1400	J
2.	243-17-4	11H-BENZO[B]FLUORENE	23.42	1200	NJ
3.	33543-31-6	FLUORANTHENE, 2-METHYL-	23.64	1100	NJ
4.	2381-21-7	PYRENE, 1-METHYL-	23.83	1700	NJ
5.	2381-21-7	PYRENE, 1-METHYL-	24.06	960	NJ
6.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.57	2100	NJ
7.	243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	24.74	1600	NJ
8.		UNKNOWN PAH	24.80	950	J
9.		UNKNOWN PAH	24.83	1600	J
10.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.92	1300	NJ
11.	217-59-4	TRIPHENYLENE	25.33	910	NJ
12.	3697-24-3	CHRYSENE, 5-METHYL-	25.77	2000	NJ
13.	2381-16-0	BENZ[A]ANTHRACENE, 9-METHYL-	25.83	890	NJ
14.		UNKNOWN PAH	25.98	1600	J
15.		UNKNOWN PAH	26.59	1200	J
16.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.05	2700	NJ
17.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.21	1100	NJ
18.	192-97-2	BENZO[E]PYRENE	27.38	5500	NJ
19.	198-55-0	PERYLENE	27.64	5000	NJ
20.		UNKNOWN PAH	27.89	940	J
21.		UNKNOWN PAH	29.39	1200	J
22.		UNKNOWN PAH	29.78	1300	J
23.	191-26-4	DIBENZO[DEF,MNO]CHRYSENE	29.87	800	NJ
24.	213-46-7	1,2:7,8-DIBENZOPHENANTHRENE	30.43	1600	NJ
25.	53-70-3	DIBENZ[A,H]ANTHRACENE	30.54	1500	NJ
26.		UNKNOWN OXYGENATED HYDROCARB	31.08	1600	J
27.	193-43-1	INDENO[1,2,3-CD]FLUORANTHENE	31.30	710	NJ
28.		UNKNOWN	31.79	720	J
29.		UNKNOWN PAH	32.29	730	J
30.		UNKNOWN OXYGENATED HYDROCARB	32.97	3000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-14A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1644

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2000	U
98-86-2	Acetophenone	210	J
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	bis(2-Chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	260	J
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	290	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	5000	U
92-52-4	1,1'-Biphenyl	2000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	4700	
99-09-2	3-Nitroaniline	5000	U
83-32-9	Acenaphthene	2000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RR02-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-14A

Sample wt/vol: 30.6(g/mL) G Lab File ID: K1644

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/19/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5000	U
100-02-7	4-Nitrophenol	5000	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	5000	U
534-52-1	4,6-Dinitro-2-methylphenol	5000	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	2600	
86-74-8	Carbazole	500	J
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	6300	
129-00-0	Pyrene	4600	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)anthracene	5900	
218-01-9	Chrysene	6200	
117-81-7	bis(2-Ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo(b)fluoranthene	5200	
207-08-9	Benzo(k)fluoranthene	5800	
50-32-8	Benzo(a)pyrene	5200	
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	1200	J
191-24-2	Benzo(g,h,i)perylene	1300	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR02-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-14A

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: K1644

Level: (low/med) LOW

Date Received: 12/04/01

% Moisture: 18 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/19/01

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	832-71-3	PHENANTHRENE, 3-METHYL-	21.17	1200	NJ
2.		UNKNOWN PAH	21.29	1400	J
3.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.37	1200	NJ
4.	886-66-8	BENZENE, 1,1'-(1,3-BUTADIYNE	22.69	570	NJ
5.	599-66-6	DI-P-TOLYL SULFONE	23.33	500	NJ
6.	243-17-4	11H-BENZO[B]FLUORENE	23.43	940	NJ
7.		UNKNOWN PAH	23.60	680	J
8.		UNKNOWN PAH	23.75	570	J
9.	2381-21-7	PYRENE, 1-METHYL-	23.82	1700	NJ
10.		UNKNOWN PAH	23.95	460	J
11.	3353-12-6	PYRENE, 4-METHYL-	24.00	930	NJ
12.	2381-21-7	PYRENE, 1-METHYL-	24.05	830	NJ
13.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.57	1200	NJ
14.	243-46-9	BENZO[B]NAPHTHO[2,3-D]THIOPH	24.74	1100	NJ
15.		UNKNOWN PAH	24.80	750	J
16.		UNKNOWN PAH	24.83	1500	J
17.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.91	1200	NJ
18.	25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	25.33	930	NJ
19.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	25.40	770	NJ
20.	2381-31-9	BENZ[A]ANTHRACENE, 8-METHYL-	25.76	2100	NJ
21.	3351-31-3	CHRYSENE, 3-METHYL-	25.82	1000	NJ
22.		UNKNOWN PAH	25.89	520	J
23.		UNKNOWN PAH	25.98	1700	J
24.	1090-13-7	5,12-NAPHTHACENEDIONE	26.29	1400	NJ
25.	67860-04-2	OXIRANE, HEPTADECYL-	26.51	960	NJ
26.		UNKNOWN PAH	26.60	1200	J
27.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	27.05	2500	NJ
28.	207-93-2	DINAPHTHO[1,2-B:1',2'-D]FURA	27.21	1500	NJ
29.	192-97-2	BENZO[E]PYRENE	27.39	5400	NJ
30.	198-55-0	PERYLENE	27.64	4200	NJ

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-15A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1609

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 35 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	230	J
108-95-2	Phenol	200	J
111-44-4	bis(2-Chloroethyl)Ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
98-86-2	Acetophenone	140	J
106-44-5	4-Methylphenol	110	J
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	1100	
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
105-60-2	Caprolactam	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	420	J
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1300	U
92-52-4	1,1'-Biphenyl	270	J
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	500	U
606-20-2	2,6-Dinitrotoluene	500	U
208-96-8	Acenaphthylene	500	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	500	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RR03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-15A

Sample wt/vol: 30.4(g/mL) G Lab File ID: K1609

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 35 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	280	J
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
1912-24-9	Atrazine	500	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	81	J
86-74-8	Carbazole	500	U
84-74-2	Di-n-butylphthalate	58	J
206-44-0	Fluoranthene	74	J
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	500 ~~440~~	~~J~~ C
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo(b)fluoranthene	500	U
207-08-9	Benzo(k)fluoranthene	500	U
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenzo(a,h)anthracene	500	U
191-24-2	Benzo(g,h,i)perylene	500	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RR03-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K1609

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 35 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	9.88	910	NJ
2.	90-02-8	BENZALDEHYDE, 2-HYDROXY-	10.94	600	NJ
3.		BUTYLBENZENE ISOMER	11.50	570	J
4.	99-94-5	BENZOIC ACID, 4-METHYL-	14.33	520	NJ
5.	120-61-6	1,4-BENZENEDICARBOXYLIC ACID	17.08	640	NJ
6.	3185-99-7	BENZENE, 1-METHYL-4-(METHYLS	17.31	1300	NJ
7.	496-41-3	BENZOFURAN-2-CARBOXYLIC ACID	17.52	880	NJ
8.	605-39-0	2,2'-DIMETHYLBIPHENYL	17.55	540	NJ
9.		METHYLXANTHENE ISOMER	18.47	560	J
10.		UNKNOWN AROMATIC	18.51	630	J
11.	1634-74-8	BENZENE, 1,1'-METHYLENEBIS[2	18.56	610	NJ
12.		UNKNOWN OXYGENATED HYDROCARB	18.73	740	J
13.		UNKNOWN	18.93	950	J
14.		UNKNOWN AROMATIC	19.20	620	J
15.	57-10-3	N-HEXADECANOIC ACID	21.17	2100	NJ
16.		UNKNOWN	21.74	900	J
17.	2467-02-9	PHENOL, 2,2'-METHYLENEBIS-	21.84	630	NJ
18.		UNKNOWN	22.33	610	J
19.	2733-88-2	15-TETRACOSENOIC ACID, METHY	22.62	950	NJ
20.		UNKNOWN ALKYL AROMATIC	22.68	660	J
21.	57-11-4	OCTADECANOIC ACID	22.77	840	NJ
22.		UNKNOWN ALKYL AROMATIC	22.99	16000	J
23.	599-66-6	DI-P-TOLYL SULFONE	23.14	3000	NJ
24.	599-66-6	DI-P-TOLYL SULFONE	23.43	30000	NJ
25.		UNKNOWN ALKYL AROMATIC	23.86	850	J
26.		UNKNOWN ALKYL AROMATIC	23.95	2100	J
27.		UNKNOWN ALKYL AROMATIC	24.22	3600	J
28.		UNKNOWN ALKYL AROMATIC	24.45	2900	J
29.		UNKNOWN ALKYL AROMATIC	24.64	2700	J
30.		UNKNOWN ALKYL AROMATIC	25.39	1300	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RW01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17B

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1612

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	45	J
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	56	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	280	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	78	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	190	J
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DF-RW01-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17B

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1612

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	80	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	450	
120-12-7	Anthracene	160	J
86-74-8	Carbazole	66	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	610	
129-00-0	Pyrene	450	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	370	J
218-01-9	Chrysene	430	
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~82~~	J U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	270	J
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	190	J

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

DF-RW01-SO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17B

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K1612

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/17/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.34	260	J
2.		UNKNOWN	9.73	380	JB
3.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	9.88	220	NJ
4.	90-12-0	NAPHTHALENE, 1-METHYL-	15.03	200	NJ
5.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.30	220	NJ
6.	582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	16.34	180	NJ
7.	112-42-5	1-UNDECANOL	16.65	180	NJ
8.		UNKNOWN ALKYLBENZENE	19.55	230	J
9.	832-71-3	PHENANTHRENE, 3-METHYL-	21.12	240	NJ
10.	57-10-3	N-HEXADECANOIC ACID	21.17	580	NJ
11.	127-63-9	DIPHENYL SULFONE	21.29	620	NJ
12.		UNKNOWN PAH	21.34	200	J
13.	84-65-1	9,10-ANTHRACENEDIONE	21.74	210	NJ
14.		UNKNOWN CARBOXYLIC ACID	22.60	220	J
15.	599-66-6	DI-P-TOLYL SULFONE	23.36	430	NJ
16.	243-17-4	11H-BENZO[B]FLUORENE	23.43	160	NJ
17.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.59	230	NJ
18.		UNKNOWN OXYGENATED PAH	25.85	210	J
19.	192-97-2	BENZO[E]PYRENE	27.38	410	NJ
20.		UNKNOWN HYDROCARBON	27.75	110	J
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EPA SAMPLE NO.

DF-RW01-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17B

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1628

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	42	J
108-95-2	Phenol	45	J
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	56	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	200	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	280	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	84	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	210	J
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RW01-SORE

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 12041-17B

Sample wt/vol: 30.2(g/mL) G Lab File ID: K1628

Level: (low/med) LOW Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL) Date Analyzed: 12/18/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	84	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	440	
120-12-7	Anthracene	160	J
86-74-8	Carbazole	64	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	590	
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	440	
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~73~~	J U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	370	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	190	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

DF-RW01-SORE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL

Lab Sample ID: 12041-17B

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: K1628

Level: (low/med) LOW

Date Received: 12/04/01

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 12/06/01

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/18/01

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Extraction: (Type) SONC

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.72	360	JB
2.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	9.87	210	NJ
3.		UNKNOWN	12.85	140	J
4.	90-12-0	NAPHTHALENE, 1-METHYL-	15.02	210	NJ
5.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	16.29	230	NJ
6.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	16.33	180	NJ
7.	7320-53-8	DIBENZOFURAN, 4-METHYL-	18.46	170	NJ
8.		UNKNOWN ALKYLBENZENE	19.55	240	J
9.	613-12-7	ANTHRACENE, 2-METHYL-	21.11	190	NJ
10.	57-10-3	N-HEXADECANOIC ACID	21.16	420	NJ
11.	127-63-9	DIPHENYL SULFONE	21.28	520	NJ
12.	84-65-1	9,10-ANTHRACENEDIONE	21.74	190	NJ
13.		UNKNOWN HYDROCARBON	22.60	120	J
14.	599-66-6	DI-P-TOLYL SULFONE	23.35	340	NJ
15.		UNKNOWN AROMATIC	23.61	93	J
16.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.58	300	NJ
17.		UNKNOWN OXYGENATED PAH	25.85	190	J
18.		UNKNOWN ALKYL AMIDE	26.33	140	J
19.	192-97-2	BENZO[E]PYRENE	27.37	470	NJ
20.	67860-04-2	OXIRANE, HEPTADECYL-	27.74	410	NJ
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1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-BK04-WR

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112047-07A

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

% Moisture: decanted: (Y/N) Date Received: 12/05/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.: DF-RW01-SO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) SOIL Lab Sample ID: 0112041-17B

Sample wt/vol: 31.7 (g/mL) G Lab File ID:

% Moisture: 16 decanted: (Y/N) N Date Received: 12/04/01

Extraction: (Type) SONC Date Extracted: 12/07/01

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/15/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	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	JP
1024-57-3	Heptachlor epoxide	2.4	P
959-98-8	Endosulfan I	1.7	JP
60-57-1	Dieldrin	0.83	BJP
72-55-9	4,4'-DDE	4.5	P
72-20-8	Endrin	2.0	JP
33213-65-9	Endosulfan II	2.2	JP
72-54-8	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	11	
72-43-5	Methoxychlor	15	J
53494-70-5	Endrin ketone	10	
7421-93-4	Endrin aldehyde	2.4	BJP
5103-71-9	alpha-Chlordane	1.3	JP
5103-74-2	gamma-Chlordane	0.83	JP
~~8001-35-2~~	~~Toxaphene~~	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	40	~~BP~~ U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUMP1-WD

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112041-05B

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/04/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.016	JP
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	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	0.51	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.051	U
5103-74-2	gamma-Chlordane	0.051	U
8001-35-2	Toxaphene	5.1	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.: DF-SUMP1-WO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112041-01B

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/04/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.010	JP
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	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	0.51	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.051	U
5103-74-2	gamma-Chlordane	0.051	U
8001-35-2	Toxaphene	5.1	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUMP2-WO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112041-02B

Sample wt/vol: 980.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/04/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.017	JP
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	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	0.51	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.051	U
5103-74-2	gamma-Chlordane	0.051	U
8001-35-2	Toxaphene	5.1	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUMP3-WO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112041-03B

Sample wt/vol: 990.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/04/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
1024-57-3	Heptachlor epoxide	0.051	U
959-98-8	Endosulfan I	0.051	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	0.51	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.051	U
5103-74-2	gamma-Chlordane	0.051	U
8001-35-2	Toxaphene	5.1	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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DF-SUMP4-WO

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 0112041 SAS No.: SDG No.: 0112041

Matrix: (soil/water) WATER Lab Sample ID: 0112041-04B

Sample wt/vol: 960.0 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/04/01

Extraction: (Type) SEPF Date Extracted: 12/06/01

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/06/02

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.052	U
319-85-7	beta-BHC	0.052	U
319-86-8	delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	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	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	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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Analytical Services Center

4493 Walden Avenue

Lancaster, New York 14086-

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-MS01-SO

Lab Order: 0112041

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/4/01 11:04:00 AM **% Moist:** 7.98

Lab ID: 0112041-06A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.685		0.538	mg/Kg-dry	1	12/12/01 10:34:24 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office **Client Sample ID: DF-MS02-SO**

Lab Order: 0112041 **Alt. Client ID:**

Project: Dussault Foundry **Collection Date:** 12/4/01 3:00:00 PM **% Moist:** 6.29

Lab ID: 0112041-07A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	1.11		0.523	mg/Kg-dry	1	12/12/01 10:35:21 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: DF-MS03-SO
Lab Order: 0112041
Alt. Client ID:
Project: Dussault Foundry
Collection Date: 12/4/01 3:33:00 PM **% Moist:** 9.53
Lab ID: 0112041-08A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	5.09		0.526	mg/Kg-dry	1	12/12/01 10:38:12 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Lab Order: 0112041
Project: Dussault Foundry
Lab ID: 0112041-09A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: DF-MS04-SO
Alt. Client ID:
Collection Date: 12/4/01 4:38:00 PM **% Moist:**10.60
Test Code: 1\9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	1.00		0.565	mg/Kg-dry	1	12/12/01 10:39:10 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Result

NYS ELAP ID#: 1048

Phone: (716) 685-808

Client: E and E Buffalo Office

Client Sample ID: DF-MS04-SD

Lab Order: 0112041

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/4/01 3:38:00 PM **% Moist:**9.76

Lab ID: 0112041-10A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_9065ME_S

PHENOLS (DIRECT) IN SOIL BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.653		0.571	mg/Kg-dry	1	12/12/01 10:40:07 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier

J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative

B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds

H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: DF-SUMP1-WO
Lab Order: 0112041
Alt. Client ID:
Project: Dussault Foundry
Collection Date: 12/4/01 2:58:00 PM **% Moist:**
Lab ID: 0112041-01D **Sample Type:** SAMP **Matrix:** Water **Test Code:** 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: SW9065ME**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.137		0.01	mg/L	1	12/17/01 9:06:02 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: DF-SUMP2-WO
Lab Order: 0112041
Alt. Client ID:
Project: Dussault Foundry
Collection Date: -12/4/01 3:34:00 PM
% Moist:
Lab ID: 0112041-02D **Sample Type:** SAMP **Matrix:** Water **Test Code:** 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** SW9065ME

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.01	mg/L	1	12/17/01 9:08:59 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office **Client Sample ID: DF-SUMP3-WO**

Lab Order: 0112041 **Alt. Client ID:**

Project: Dussault Foundry **Collection Date:** 12/4/01 3:46:00 PM **% Moist:**

Lab ID: 0112041-03D **Sample Type:** SAMP **Matrix:** Water **Test Code:** 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: SW9065ME**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.0151		0.01	mg/L	1	12/17/01 9:09:56 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUMP4-WO

Lab Order: 0112041

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/4/01 4:28:00 PM **% Moist:**

Lab ID: 0112041-04D **Sample Type:** SAMP **Matrix:** Water **Test Code:** 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: SW9065ME**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.01	mg/L	1	12/17/01 9:10:53 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: DF-SUMP1-WD

Lab Order: 0112041

Alt. Client ID:

Project: Dussault Foundry

Collection Date: 12/4/01 3:07:00 PM **% Moist:**

Lab ID: 0112041-05D **Sample Type:** SAMP **Matrix:** Water **Test Code:** 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method: SW9065ME** **Prep Method: SW9065ME**

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.232		0.0200	mg/L	2	12/17/01 9:21:30 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
* - Recovery outside limits
M -Matrix Spike recovery outside limits
Q - Qualifier
J - Analyte detected below Reporting limits
R - RPD outside recovery limits
A -Result by Method of Std. Addition
X - See Case Narrative
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
D - Diluted due to matrix or extended target compounds
H - Value exceeds Maximum Contaminant Level
Surr - Denotes Surrogate Compound
N - Single Column Analysis

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Lab Order: 0112047
Project: Dussault Foundry
Lab ID: 0112047-07C **Sample Type:** SAMP **Matrix:** Water

Client Sample ID: DF-BK04-WR
Alt. Client ID:
Collection Date: 12/05/2001 6:40:00 P % Moist:
Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) **Method:** SW9065ME **Prep Method:** SW9065ME

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	ND		0.01	mg/L	1	12/17/2001 9:17:37 PM	LACHAT_PHENOLS_01121	CMO

Definitions:

ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting limits
B - Analyte detected in the associated Method Blank
H - Value exceeds Maximum Contaminant Level
* - Recovery outside limits
R - RPD outside recovery limits
E - Value above quantitation range
Surr - Denotes Surrogate Compound
M -Matrix Spike recovery outside limits
A -Result by Method of Std. Addition
D - Diluted due to matrix or extended target compounds
N - Single Column Analysis
Q - Qualifier
X - See Case Narrative

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-RW02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01A

Sample wt/vol: 5.2(g/mL) G Lab File ID: F0930

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
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	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
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.

DF-RW02-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01A

Sample wt/vol: 5.2(g/mL) G Lab File ID: F0930

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	12	U

1F

EPA SAMPLE NO.

DF-RW02-SO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-01A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F0930

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 16 Date Analyzed: 12/06/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUB03-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-02A

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0931

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 8 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	37	J
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
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	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUB03-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-02A

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0931

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 8 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	1	J
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)	11	U
100-42-5	Styrene	11	U
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.

DF-SUB03-SD

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-02A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: F0931

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 8 Date Analyzed: 12/06/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUB05-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-14A

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0933

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 9 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
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	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUB05-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-14A

Sample wt/vol: 5.1(g/mL) G Lab File ID: F0933

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 9 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	11	U
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)	11	U
100-42-5	Styrene	11	U
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

EPA SAMPLE NO.

DF-SUB05-SO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL

Lab Sample ID: 12046-14A

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: F0933

Level: (low/med) LOW

Date Received: 12/05/01

% Moisture: not dec. 9

Date Analyzed: 12/06/01

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DF-SUB03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-12A

Sample wt/vol: 5.2(g/mL) G Lab File ID: F0932

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 7 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	52	J
75-15-0	Carbon Disulfide	1	J
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.

DF-SUB03-SO

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-12A

Sample wt/vol: 5.2(g/mL) G Lab File ID: F0932

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 7 Date Analyzed: 12/06/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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.

DF-SUB03-SO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ECOLOGY AND ENVIRONMENT, Contract:

Lab Code: EANDE Case No.: SAS No.: SDG No.: 0112046

Matrix: (soil/water) SOIL Lab Sample ID: 12046-12A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F0932

Level: (low/med) LOW Date Received: 12/05/01

% Moisture: not dec. 7 Date Analyzed: 12/06/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-BK01-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL Lab Sample ID: 0112046-07A

Level (low/med): LOW Date Received: 12/5/01

% Solids: 79.6 1/23/02

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.70		N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-BK02-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL Lab Sample ID: 0112046-08A

Level (low/med): LOW Date Received: 12/5/01

% Solids: 77.6 12/12/02

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.28		N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-BK03-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL__ Lab Sample ID: 0112046-09A

Level (low/med): LOW___ Date Received: 12/5/01

% Solids: 78.5__ 12/12/01

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.61		N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-RW02-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL__ Lab Sample ID: 0112046-01B

Level (low/med): LOW___ Date Received: 12/5/01

% Solids: 83.6__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.073	B	N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB02-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0202244 SAS No.: _____ SDG No.: DF-SUB02-SO

Matrix (soil/water): SOIL Lab Sample ID: 0202244-01A

Level (low/med): LOW Date Received: 12/05/01

% Solids: 94.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1490			P
7440-36-0	Antimony	3.4	B		P
7440-38-2	Arsenic	12.1			P
7440-39-3	Barium	26.1	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.89	B		P
7440-70-2	Calcium	11400		*	P
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt	3.8	B		P
7440-50-8	Copper	58.7		E*N	P
7439-89-6	Iron	12400		*	P
7439-92-1	Lead	36.3		*	P
7439-95-4	Magnesium	1700			P
7439-96-5	Manganese	148			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	14.5			P
7440-09-7	Potassium	516	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.18	U		P
7440-23-5	Sodium	152	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	0.14	U		P
7440-66-6	Zinc	240		*N	P
57-12-5	Cyanide				NR

Color Before: NA Clarity Before: NA Texture: M

Color After: CL Clarity After: C Artifacts: _____

Comments:

DF-SUB02-SO

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB03-~~SO~~ SD

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL

Lab Sample ID: 0112046-~~12B~~ ~~02B~~

Level (low/med): LOW

Date Received: 12/5/01 1/14/02

% Solids: 93.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese	→ 0.09	B	N J	NR
7439-97-6	Mercury	~~0.055~~	~~B~~	~~N~~	CV
7440-02-0	Nickel	1/14/02 3.00			NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB03-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL__ Lab Sample ID: 0112046-12B

Level (low/med): LOW___ Date Received: 12/5/01 1/23/02

% Solids: 93.0__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.055	B	N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB04-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL Lab Sample ID: 0112046-13A

Level (low/med): LOW Date Received: 12/5/01

% Solids: 93.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.048	U	N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB07-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL Lab Sample ID: 0112046-16A

Level (low/med): LOW Date Received: 12/5/01

% Solids: 83.0 1/23/02

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.21		N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUB08-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112046 SAS No.: _____ SDG No.: 0112046

Matrix (soil/water): SOIL__ Lab Sample ID: 0112046-17A

Level (low/med): LOW___ Date Received: 12/5/01 12/11/23/01

% Solids: 85.7__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.37		N J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-BK04-WR

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE_ Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER_ Lab Sample ID: 0112047-07B

Level (low/med): LOW___ Date Received: 12/05/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-MS01-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL Lab Sample ID: 0112041-06A

Level (low/med): LOW Date Received: 12/04/01

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.042	U	J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-MS02-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL__ Lab Sample ID: 0112041-07A

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: 93.7__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.053	U	J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-MS03-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL Lab Sample ID: 0112041-08A

Level (low/med): LOW Date Received: 12/04/01

% Solids: 90.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.042	U	J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-MS04-SD

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL__ Lab Sample ID: 0112041-10A

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: 90.2__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.046	U	J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-MS04-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL Lab Sample ID: 0112041-09A

Level (low/med): LOW Date Received: 12/04/01

% Solids: 89.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.049	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-RW01-SO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): SOIL__ Lab Sample ID: 0112041-17B

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: 83.7__

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13		J	CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUMP1-WD

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER Lab Sample ID: 0112041-05C

Level (low/med): LOW Date Received: 12/04/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUMP1-WO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE_ Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER_ Lab Sample ID: 0112041-01C

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUMP2-WO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE_ Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER_ Lab Sample ID: 0112041-02C

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUMP3-WO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER Lab Sample ID: 0112041-03C

Level (low/med): LOW Date Received: 12/04/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DF-SUMP4-WO

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 0112041/47SAS No.: _____ SDG No.: 0112041

Matrix (soil/water): WATER_ Lab Sample ID: 0112041-04C

Level (low/med): LOW___ Date Received: 12/04/01

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQRQ **Client ID:** DF-MS01-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 7.98

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.2	43.5	990		1	ICPST	1/19/02	16:01
Antimony	206.84	0.41	13.0	0.94	BNJ	1	ICPST	1/19/02	16:01
Arsenic	189.04	0.33	2.2	2.5		1	ICPST	1/19/02	16:01
Barium	493.41	0.070	43.5	24.2	B	1	ICPST	1/19/02	16:01
Beryllium	313.04	0.13	1.1	0.20	B	1	ICPST	1/19/02	16:01
Cadmium	226.50	0.065	1.1	0.49	B	1	ICPST	1/19/02	16:01
Calcium	317.93	5.6	1090	1030	B	1	ICPST	1/19/02	16:01
Chromium	267.72	0.13	2.2	32.8		1	ICPST	1/19/02	16:01
Cobalt	228.62	0.11	10.9	4.8	B	1	ICPST	1/19/02	16:01
Copper	324.75	0.17	5.4	68.8	NJ	1	ICPST	1/19/02	16:01
Iron	271.44	3.7	21.7	29100		1	ICPST	1/19/02	16:01
Lead	220.35	0.37	0.65	21.7		1	ICPST	1/19/02	16:01
Magnesium	279.08	5.5	1090	631	B	1	ICPST	1/19/02	16:01
Manganese	257.61	0.050	3.3	268	NJ	1	ICPST	1/19/02	16:01
Nickel	231.60	0.13	8.7	37.7	*	1	ICPST	1/19/02	16:01
Potassium	766.49	1.8	1090	97.1	BEJ	1	ICPST	1/19/02	16:01
Selenium	220.35	0.46	1.1	0.80	BNJ	1	ICPST	1/19/02	16:01
Silver	328.07	0.070	2.2	0.074	B	1	ICPST	1/19/02	16:01
Sodium	330.23	12.9	1090	46.9	B	1	ICPST	1/19/02	16:01
Thallium	190.86	0.52	2.2	0.52	U	1	ICPST	1/19/02	16:01
Vanadium	292.40	0.098	10.9	4.6	B	1	ICPST	1/19/02	16:01
Zinc	206.2	0.54	4.4	31.6		1	ICPST	1/19/02	16:01

Comments: Lot #: C2A160233 Sample #: 1 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQRT **Client ID:** DF-MS02-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 6.29

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.1	42.7	730		1	ICPST	1/19/02	16:28
Antimony	206.84	0.41	12.8	0.66	BN	1	ICPST	1/19/02	16:28
Arsenic	189.04	0.32	2.1	1.8	B	1	ICPST	1/19/02	16:28
Barium	493.41	0.068	42.7	97.7		1	ICPST	1/19/02	16:28
Beryllium	313.04	0.12	1.1	0.12	U	1	ICPST	1/19/02	16:28
Cadmium	226.50	0.064	1.1	0.39	B	1	ICPST	1/19/02	16:28
Calcium	317.93	5.5	1070	1730		1	ICPST	1/19/02	16:28
Chromium	267.72	0.13	2.1	45.5		1	ICPST	1/19/02	16:28
Cobalt	228.62	0.11	10.7	2.1	B	1	ICPST	1/19/02	16:28
Copper	324.75	0.17	5.3	48.0	UN	1	ICPST	1/19/02	16:28
Iron	271.44	3.6	21.3	19500		1	ICPST	1/19/02	16:28
Lead	220.35	0.36	0.64	10.2		1	ICPST	1/19/02	16:28
Magnesium	279.08	5.4	1070	614	B	1	ICPST	1/19/02	16:28
Manganese	257.61	0.049	3.2	176	N	1	ICPST	1/19/02	16:28
Nickel	231.60	0.13	8.5	25.4	*	1	ICPST	1/19/02	16:28
Potassium	766.49	1.8	1070	117	BE	1	ICPST	1/19/02	16:28
Selenium	220.35	0.45	1.1	0.45	UN	1	ICPST	1/19/02	16:28
Silver	328.07	0.068	2.1	0.094	B	1	ICPST	1/19/02	16:28
Sodium	330.23	12.7	1070	136	B	1	ICPST	1/19/02	16:28
Thallium	190.86	0.51	2.1	0.51	U	1	ICPST	1/19/02	16:28
Vanadium	292.40	0.096	10.7	4.3	B	1	ICPST	1/19/02	16:28
Zinc	206.2	0.53	4.3	34.1		1	ICPST	1/19/02	16:28

Comments: Lot #: C2A160233 Sample #: 2 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQRV **Client ID:** DF-MS03-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 9.53

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.3	44.2	1790		1	ICPST	1/19/02	16:35
Antimony	206.84	0.42	13.3	0.79	BN J	1	ICPST	1/19/02	16:35
Arsenic	189.04	0.33	2.2	2.5		1	ICPST	1/19/02	16:35
Barium	493.41	0.071	44.2	40.8	B	1	ICPST	1/19/02	16:35
Beryllium	313.04	0.13	1.1	0.14	B	1	ICPST	1/19/02	16:35
Cadmium	226.50	0.066	1.1	0.48	B	1	ICPST	1/19/02	16:35
Calcium	317.93	5.7	1110	13500		1	ICPST	1/19/02	16:35
Chromium	267.72	0.13	2.2	23.7		1	ICPST	1/19/02	16:35
Cobalt	228.62	0.11	11.1	4.0	B	1	ICPST	1/19/02	16:35
Copper	324.75	0.17	5.5	199	N J	1	ICPST	1/19/02	16:35
Iron	271.44	3.7	22.1	18700		1	ICPST	1/19/02	16:35
Lead	220.35	0.38	0.66	59.2		1	ICPST	1/19/02	16:35
Magnesium	279.08	5.6	1110	6390		1	ICPST	1/19/02	16:35
Manganese	257.61	0.051	3.3	200	N	1	ICPST	1/19/02	16:35
Nickel	231.60	0.13	8.8	32.9	*	1	ICPST	1/19/02	16:35
Potassium	766.49	1.8	1110	230	BE J	1	ICPST	1/19/02	16:35
Selenium	220.35	0.46	1.1	0.61	BN J	1	ICPST	1/19/02	16:35
Silver	328.07	0.071	2.2	0.15	B	1	ICPST	1/19/02	16:35
Sodium	330.23	13.1	1110	79.9	B	1	ICPST	1/19/02	16:35
Thallium	190.86	0.53	2.2	0.53	U	1	ICPST	1/19/02	16:35
Vanadium	292.40	0.10	11.1	5.1	B	1	ICPST	1/19/02	16:35
Zinc	206.2	0.55	4.4	85.6		1	ICPST	1/19/02	16:35

Comments: Lot #: C2A160233 Sample #: 3 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQRX **Client ID:** DF-MS04-SD

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 9.76

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.3	44.3	1960		1	ICPST	1/19/02	16:41
Antimony	206.84	0.42	13.3	1.1	BNJ	1	ICPST	1/19/02	16:41
Arsenic	189.04	0.33	2.2	3.6		1	ICPST	1/19/02	16:41
Barium	493.41	0.071	44.3	107		1	ICPST	1/19/02	16:41
Beryllium	313.04	0.13	1.1	0.16	B	1	ICPST	1/19/02	16:41
Cadmium	226.50	0.067	1.1	0.84	B	1	ICPST	1/19/02	16:41
Calcium	317.93	5.7	1110	7360		1	ICPST	1/19/02	16:41
Chromium	267.72	0.13	2.2	43.0		1	ICPST	1/19/02	16:41
Cobalt	228.62	0.11	11.1	5.3	B	1	ICPST	1/19/02	16:41
Copper	324.75	0.17	5.5	133	NJ	1	ICPST	1/19/02	16:41
Iron	271.44	3.8	22.2	39000		1	ICPST	1/19/02	16:41
Lead	220.35	0.38	0.67	41.6		1	ICPST	1/19/02	16:41
Magnesium	279.08	5.6	1110	2860		1	ICPST	1/19/02	16:41
Manganese	257.61	0.051	3.3	353	NJ	1	ICPST	1/19/02	16:41
Nickel	231.60	0.13	8.9	45.9	*	1	ICPST	1/19/02	16:41
Potassium	766.49	1.8	1110	375	BEJ	1	ICPST	1/19/02	16:41
Selenium	220.35	0.47	1.1	0.96	BNJ	1	ICPST	1/19/02	16:41
Silver	328.07	0.071	2.2	0.16	B	1	ICPST	1/19/02	16:41
Sodium	330.23	13.1	1110	116	B	1	ICPST	1/19/02	16:41
Thallium	190.86	0.53	2.2	0.53	U	1	ICPST	1/19/02	16:41
Vanadium	292.40	0.10	11.1	7.2	B	1	ICPST	1/19/02	16:41
Zinc	206.2	0.55	4.4	63.8		1	ICPST	1/19/02	16:41

Comments: Lot #: C2A160233 Sample #: 4 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQR1 **Client ID:** DF-MS04-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 10.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.4	44.7	3640		1	ICPST	1/19/02	16:48
Antimony	206.84	0.43	13.4	0.53	BNJ	1	ICPST	1/19/02	16:48
Arsenic	189.04	0.34	2.2	3.5		1	ICPST	1/19/02	16:48
Barium	493.41	0.072	44.7	116		1	ICPST	1/19/02	16:48
Beryllium	313.04	0.13	1.1	0.36	B	1	ICPST	1/19/02	16:48
Cadmium	226.50	0.067	1.1	0.53	B	1	ICPST	1/19/02	16:48
Calcium	317.93	5.8	1120	8200		1	ICPST	1/19/02	16:48
Chromium	267.72	0.13	2.2	20.3		1	ICPST	1/19/02	16:48
Cobalt	228.62	0.11	11.2	4.4	B	1	ICPST	1/19/02	16:48
Copper	324.75	0.17	5.6	75.4	NJ	1	ICPST	1/19/02	16:48
Iron	271.44	3.8	22.4	19600		1	ICPST	1/19/02	16:48
Lead	220.35	0.38	0.67	34.7		1	ICPST	1/19/02	16:48
Magnesium	279.08	5.7	1120	3630		1	ICPST	1/19/02	16:48
Manganese	257.61	0.052	3.4	364	NJ	1	ICPST	1/19/02	16:48
Nickel	231.60	0.13	9.0	39.5	*	1	ICPST	1/19/02	16:48
Potassium	766.49	1.9	1120	557	BEJ	1	ICPST	1/19/02	16:48
Selenium	220.35	0.47	1.1	0.68	BNJ	1	ICPST	1/19/02	16:48
Silver	328.07	0.072	2.2	0.096	B	1	ICPST	1/19/02	16:48
Sodium	330.23	13.3	1120	117	B	1	ICPST	1/19/02	16:48
Thallium	190.86	0.54	2.2	0.54	U	1	ICPST	1/19/02	16:48
Vanadium	292.40	0.10	11.2	8.5	B	1	ICPST	1/19/02	16:48
Zinc	206.2	0.56	4.5	72.5		1	ICPST	1/19/02	16:48

Comments: Lot #: C2A160233 Sample #: 5 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQR3 **Client ID:** DF-RW01-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 16.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.7	47.8	3540		1	ICPST	1/19/02	17:08
Antimony	206.84	0.45	14.3	0.59	BNJ	1	ICPST	1/19/02	17:08
Arsenic	189.04	0.36	2.4	6.0		1	ICPST	1/19/02	17:08
Barium	493.41	0.077	47.8	42.4	B	1	ICPST	1/19/02	17:08
Beryllium	313.04	0.14	1.2	0.45	B	1	ICPST	1/19/02	17:08
Cadmium	226.50	0.072	1.2	0.63	B	1	ICPST	1/19/02	17:08
Calcium	317.93	6.2	1200	55000		1	ICPST	1/19/02	17:08
Chromium	267.72	0.14	2.4	13.4		1	ICPST	1/19/02	17:08
Cobalt	228.62	0.12	12.0	5.9	B	1	ICPST	1/19/02	17:08
Copper	324.75	0.19	6.0	39.5	UNJ	1	ICPST	1/19/02	17:08
Iron	271.44	4.0	23.9	13400		1	ICPST	1/19/02	17:08
Lead	220.35	0.41	0.72	69.5		1	ICPST	1/19/02	17:08
Magnesium	279.08	6.1	1200	8700		1	ICPST	1/19/02	17:08
Manganese	257.61	0.055	3.6	357	NJ	1	ICPST	1/19/02	17:08
Nickel	231.60	0.14	9.6	18.0	*	1	ICPST	1/19/02	17:08
Potassium	766.49	2.0	1200	1200	EJ	1	ICPST	1/19/02	17:08
Selenium	220.35	0.50	1.2	0.64	BNJ	1	ICPST	1/19/02	17:08
Silver	328.07	0.077	2.4	0.22	B	1	ICPST	1/19/02	17:08
Sodium	330.23	14.2	1200	123	B	1	ICPST	1/19/02	17:08
Thallium	190.86	0.57	2.4	0.57	U	1	ICPST	1/19/02	17:08
Vanadium	292.40	0.11	12.0	8.1	B	1	ICPST	1/19/02	17:08
Zinc	206.2	0.60	4.8	83.6		1	ICPST	1/19/02	17:08

Comments: Lot #: C2A160233 Sample #: 6 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQR7 **Client ID:** DF-SUMP1-WD

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	23.9	200	251		1	ICPST	1/19/02	19:02
Antimony	206.84	1.9	60.0	8.3	B	1	ICPST	1/19/02	19:02
Arsenic	189.04	1.5	10.0	1.9	B	1	ICPST	1/19/02	19:02
Barium	493.41	0.32	200	88.6	B	1	ICPST	1/19/02	19:02
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	19:02
Cadmium	226.50	0.30	5.0	1.4	B	1	ICPST	1/19/02	19:02
Calcium	317.93	25.8	5000	72800		1	ICPST	1/19/02	19:02
Chromium	267.72	0.60	10.0	7.7	B J	1	ICPST	1/19/02	19:02
Cobalt	228.62	0.49	50.0	1.8	B	1	ICPST	1/19/02	19:02
Copper	324.75	0.78	25.0	24.4	B J	1	ICPST	1/19/02	19:02
Iron	271.44	16.9	100	19100	J	1	ICPST	1/19/02	19:02
Lead	220.35	1.7	3.0	20.7		1	ICPST	1/19/02	19:02
Magnesium	279.08	25.3	5000	21800		1	ICPST	1/19/02	19:02
Manganese	257.61	0.23	15.0	586		1	ICPST	1/19/02	19:02
Nickel	231.60	0.59	40.0	4.9	B	1	ICPST	1/19/02	19:02
Potassium	766.49	8.3	5000	28900	E	1	ICPST	1/19/02	19:02
Selenium	220.35	2.1	5.0	4.1	B	1	ICPST	1/19/02	19:02
Silver	328.07	0.32	10.0	0.43	B	1	ICPST	1/19/02	19:02
Sodium	330.23	59.3	5000	27100		1	ICPST	1/19/02	19:02
Thallium	190.86	2.4	10.0	5.5	B	1	ICPST	1/19/02	19:02
Vanadium	292.40	0.45	50.0	1.3	B	1	ICPST	1/19/02	19:02
Zinc	206.2	2.5	20.0	495		1	ICPST	1/19/02	19:02

Comments: Lot #: C2A160233 Sample #: 7 Color Pre: Colorless. Color Post: Yellow. Clarity Pre: Clear. Clarity Post: Clear. Artifacts:Organics

Version 4.97.1 U Result is less than the IDL *Form 1 Equivalent*

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQTE **Client ID:** DF-SUMP1-WO

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	23.9	200	312		1	ICPST	1/19/02	19:29
Antimony	206.84	1.9	60.0	7.2	B	1	ICPST	1/19/02	19:29
Arsenic	189.04	1.5	10.0	2.6	B	1	ICPST	1/19/02	19:29
Barium	493.41	0.32	200	114	B	1	ICPST	1/19/02	19:29
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	19:29
Cadmium	226.50	0.30	5.0	5.7		1	ICPST	1/19/02	19:29
Calcium	317.93	25.8	5000	72700		1	ICPST	1/19/02	19:29
Chromium	267.72	0.60	10.0	37.4		1	ICPST	1/19/02	19:29
Cobalt	228.62	0.49	50.0	6.8	B	1	ICPST	1/19/02	19:29
Copper	324.75	0.78	25.0	83.2		1	ICPST	1/19/02	19:29
Iron	271.44	16.9	100	63300		1	ICPST	1/19/02	19:29
Lead	220.35	1.7	3.0	30.0		1	ICPST	1/19/02	19:29
Magnesium	279.08	25.3	5000	21600		1	ICPST	1/19/02	19:29
Manganese	257.61	0.23	15.0	809		1	ICPST	1/19/02	19:29
Nickel	231.60	0.59	40.0	30.8	B	1	ICPST	1/19/02	19:29
Potassium	766.49	8.3	5000	28300	E	1	ICPST	1/19/02	19:29
Selenium	220.35	2.1	5.0	3.6	B	1	ICPST	1/19/02	19:29
Silver	328.07	0.32	10.0	0.32	U	1	ICPST	1/19/02	19:29
Sodium	330.23	59.3	5000	26500		1	ICPST	1/19/02	19:29
Thallium	190.86	2.4	10.0	4.3	B	1	ICPST	1/19/02	19:29
Vanadium	292.40	0.45	50.0	3.3	B	1	ICPST	1/19/02	19:29
Zinc	206.2	2.5	20.0	748		1	ICPST	1/19/02	19:29

Comments: Lot #: C2A160233 Sample #: 8 Color Pre: Colorless, Color Post: Yellow, Clarity Pre: Clear, Clarity Post: Clear, Artifacts:Organics

Version 4.97.1

U Result is less than the IDL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQTG **Client ID:** DF-SUMP2-WO

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	23.9	200	449		1	ICPST	1/19/02	19:49
Antimony	206.84	1.9	60.0	1.9	U	1	ICPST	1/19/02	19:49
Arsenic	189.04	1.5	10.0	1.9	B	1	ICPST	1/19/02	19:49
Barium	493.41	0.32	200	107	B	1	ICPST	1/19/02	19:49
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	19:49
Cadmium	226.50	0.30	5.0	2.0	B	1	ICPST	1/19/02	19:49
Calcium	317.93	25.8	5000	148000		1	ICPST	1/19/02	19:49
Chromium	267.72	0.60	10.0	8.0	B	1	ICPST	1/19/02	19:49
Cobalt	228.62	0.49	50.0	2.5	B	1	ICPST	1/19/02	19:49
Copper	324.75	0.78	25.0	32.2		1	ICPST	1/19/02	19:49
Iron	271.44	16.9	100	9290		1	ICPST	1/19/02	19:49
Lead	220.35	1.7	3.0	129		1	ICPST	1/19/02	19:49
Magnesium	279.08	25.3	5000	19200		1	ICPST	1/19/02	19:49
Manganese	257.61	0.23	15.0	549		1	ICPST	1/19/02	19:49
Nickel	231.60	0.59	40.0	11.3	B	1	ICPST	1/19/02	19:49
Potassium	766.49	8.3	5000	6180	E	1	ICPST	1/19/02	19:49
Selenium	220.35	2.1	5.0	2.2	B	1	ICPST	1/19/02	19:49
Silver	328.07	0.32	10.0	0.41	B	1	ICPST	1/19/02	19:49
Sodium	330.23	59.3	5000	8480		1	ICPST	1/19/02	19:49
Thallium	190.86	2.4	10.0	5.7	B	1	ICPST	1/19/02	19:49
Vanadium	292.40	0.45	50.0	2.6	B	1	ICPST	1/19/02	19:49
Zinc	206.2	2.5	20.0	550		1	ICPST	1/19/02	19:49

Comments: Lot #: C2A160233 Sample #: 9 Color Pre: Colorless. Color Post: Yellow, Clarity Pre: Clear, Clarity Post: Clear, Artifacts:Organics

Version 4.97.1

U Result is less than the IDL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQTJ **Client ID:** DF-SUMP3-WO

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**23.9**	**200**	**138**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Antimony	206.84	1.9	60.0	1.9	U	1	ICPST	1/19/02	19:56
Arsenic	189.04	1.5	10.0	1.5	U	1	ICPST	1/19/02	19:56
Barium	**493.41**	**0.32**	**200**	**57.7**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	19:56
Cadmium	**226.50**	**0.30**	**5.0**	**9.3**		**1**	**ICPST**	**1/19/02**	**19:56**
Calcium	**317.93**	**25.8**	**5000**	**91900**		**1**	**ICPST**	**1/19/02**	**19:56**
Chromium	**267.72**	**0.60**	**10.0**	**5.3**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Cobalt	**228.62**	**0.49**	**50.0**	**1.5**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Copper	**324.75**	**0.78**	**25.0**	**20.4**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Iron	**271.44**	**16.9**	**100**	**7130**		**1**	**ICPST**	**1/19/02**	**19:56**
Lead	**220.35**	**1.7**	**3.0**	**60.3**		**1**	**ICPST**	**1/19/02**	**19:56**
Magnesium	**279.08**	**25.3**	**5000**	**24500**		**1**	**ICPST**	**1/19/02**	**19:56**
Manganese	**257.61**	**0.23**	**15.0**	**617**		**1**	**ICPST**	**1/19/02**	**19:56**
Nickel	**231.60**	**0.59**	**40.0**	**18.7**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Potassium	**766.49**	**8.3**	**5000**	**10800**	**E**	**1**	**ICPST**	**1/19/02**	**19:56**
Selenium	220.35	2.1	5.0	2.1	B	1	ICPST	1/19/02	19:56
Silver	**328.07**	**0.32**	**10.0**	**0.49**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Sodium	**330.23**	**59.3**	**5000**	**14300**		**1**	**ICPST**	**1/19/02**	**19:56**
Thallium	**190.86**	**2.4**	**10.0**	**3.9**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Vanadium	**292.40**	**0.45**	**50.0**	**1.5**	**B**	**1**	**ICPST**	**1/19/02**	**19:56**
Zinc	**206.2**	**2.5**	**20.0**	**289**		**1**	**ICPST**	**1/19/02**	**19:56**

Comments: Lot #: C2A160233 Sample #: 10 Color Pre: Colorless, Color Post: Yellow, Clarity Pre: Clear, Clarity Post: Clear, Artifacts:Organics

Version 4.97.1

U Result is less than the IDL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQTP **Client ID:** DF-SUMP4-WO

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	23.9	200	113	B	1	ICPST	1/19/02	20:03
Antimony	206.84	1.9	60.0	1.9	U	1	ICPST	1/19/02	20:03
Arsenic	189.04	1.5	10.0	1.5	U	1	ICPST	1/19/02	20:03
Barium	493.41	0.32	200	113	B	1	ICPST	1/19/02	20:03
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	20:03
Cadmium	226.50	0.30	5.0	0.38	B	1	ICPST	1/19/02	20:03
Calcium	317.93	25.8	5000	12500		1	ICPST	1/19/02	20:03
Chromium	267.72	0.60	10.0	8.5	B	1	ICPST	1/19/02	20:03
Cobalt	228.62	0.49	50.0	0.93	B	1	ICPST	1/19/02	20:03
Copper	324.75	0.78	25.0	16.4	B	1	ICPST	1/19/02	20:03
Iron	271.44	16.9	100	6460		1	ICPST	1/19/02	20:03
Lead	220.35	1.7	3.0	6.0		1	ICPST	1/19/02	20:03
Magnesium	279.08	25.3	5000	3230	B	1	ICPST	1/19/02	20:03
Manganese	257.61	0.23	15.0	73.8		1	ICPST	1/19/02	20:03
Nickel	231.60	0.59	40.0	11.7	B	1	ICPST	1/19/02	20:03
Potassium	766.49	8.3	5000	2780	BE	1	ICPST	1/19/02	20:03
Selenium	220.35	2.1	5.0	2.1	U	1	ICPST	1/19/02	20:03
Silver	328.07	0.32	10.0	0.32	U	1	ICPST	1/19/02	20:03
Sodium	330.23	59.3	5000	1100	B	1	ICPST	1/19/02	20:03
Thallium	190.86	2.4	10.0	3.4	B	1	ICPST	1/19/02	20:03
Vanadium	292.40	0.45	50.0	0.94	B	1	ICPST	1/19/02	20:03
Zinc	206.2	2.5	20.0	144		1	ICPST	1/19/02	20:03

Comments: Lot #: C2A160233 Sample #: 11 Color Pre: Colorless, Color Post: Yellow, Clarity Pre: Clear, Clarity Post: Clear, Artifacts:Organics

Version 4.97.1 U Result is less than the IDL *Form 1 Equivalent*

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQTX **Client ID:** DF-BK04-WR

Matrix: Water **Units:** ug/L **Prep Date:** 1/17/02 **Prep Batch:** 2017132

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	23.9	200	23.9	U	1	ICPST	1/19/02	20:10
Antimony	206.84	1.9	60.0	1.9	U	1	ICPST	1/19/02	20:10
Arsenic	189.04	1.5	10.0	1.5	U	1	ICPST	1/19/02	20:10
Barium	493.41	0.32	200	0.32	U	1	ICPST	1/19/02	20:10
Beryllium	313.04	0.58	5.0	0.58	U	1	ICPST	1/19/02	20:10
Cadmium	226.50	0.30	5.0	0.30	U	1	ICPST	1/19/02	20:10
Calcium	**317.93**	**25.8**	**5000**	**78.3**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Chromium	**267.72**	**0.60**	**10.0**	**1.8**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Cobalt	**228.62**	**0.49**	**50.0**	**0.83**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Copper	**324.75**	**0.78**	**25.0**	**57.0**		**1**	**ICPST**	**1/19/02**	**20:10**
Iron	**271.44**	**16.9**	**100**	**92.9**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Lead	220.35	1.7	3.0	1.7	U	1	ICPST	1/19/02	20:10
Magnesium	279.08	25.3	5000	25.3	U	1	ICPST	1/19/02	20:10
Manganese	**257.61**	**0.23**	**15.0**	**2.4**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Nickel	231.60	0.59	40.0	0.59	U	1	ICPST	1/19/02	20:10
Potassium	**766.49**	**8.3**	**5000**	**56.1**	**BE**	**1**	**ICPST**	**1/19/02**	**20:10**
Selenium	220.35	2.1	5.0	2.1	U	1	ICPST	1/19/02	20:10
Silver	328.07	0.32	10.0	0.32	U	1	ICPST	1/19/02	20:10
Sodium	330.23	59.3	5000	59.3	U	1	ICPST	1/19/02	20:10
Thallium	**190.86**	**2.4**	**10.0**	**5.9**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**
Vanadium	292.40	0.45	50.0	0.45	U	1	ICPST	1/19/02	20:10
Zinc	**206.2**	**2.5**	**20.0**	**9.1**	**B**	**1**	**ICPST**	**1/19/02**	**20:10**

Comments: Lot #: C2A160233 Sample #: 12 Color Pre: Colorless. Color Post: Colorless. Clarity Pre: Clear. Clarity Post: Clear. Artifacts: Organics

Version 4.97.1 U Result is less than the IDL *Form 1 Equivalent*

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQT4 **Client ID:** DF-BK01-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.4

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.0	50.3	3760		1	ICPST	1/19/02	17:15
Antimony	206.84	0.48	15.1	0.48	UNJ	1	ICPST	1/19/02	17:15
Arsenic	189.04	0.38	2.5	5.1		1	ICPST	1/19/02	17:15
Barium	493.41	0.080	50.3	50.4		1	ICPST	1/19/02	17:15
Beryllium	313.04	0.15	1.3	0.51	B	1	ICPST	1/19/02	17:15
Cadmium	226.50	0.075	1.3	0.88	B	1	ICPST	1/19/02	17:15
Calcium	317.93	6.5	1260	43200		1	ICPST	1/19/02	17:15
Chromium	267.72	0.15	2.5	9.6		1	ICPST	1/19/02	17:15
Cobalt	228.62	0.12	12.6	4.8	B	1	ICPST	1/19/02	17:15
Copper	324.75	0.20	6.3	49.9	UNJ	1	ICPST	1/19/02	17:15
Iron	271.44	4.3	25.1	11200		1	ICPST	1/19/02	17:15
Lead	220.35	0.43	0.75	79.2		1	ICPST	1/19/02	17:15
Magnesium	279.08	6.4	1260	21100		1	ICPST	1/19/02	17:15
Manganese	257.61	0.058	3.8	557	NJ	1	ICPST	1/19/02	17:15
Nickel	231.60	0.15	10.1	14.6	*	1	ICPST	1/19/02	17:15
Potassium	766.49	2.1	1260	793	BEJ	1	ICPST	1/19/02	17:15
Selenium	220.35	0.53	1.3	1.0	BNJ	1	ICPST	1/19/02	17:15
Silver	328.07	0.080	2.5	0.11	B	1	ICPST	1/19/02	17:15
Sodium	330.23	14.9	1260	87.5	B	1	ICPST	1/19/02	17:15
Thallium	190.86	0.60	2.5	0.60	U	1	ICPST	1/19/02	17:15
Vanadium	292.40	0.11	12.6	9.9	B	1	ICPST	1/19/02	17:15
Zinc	206.2	0.63	5.0	187		1	ICPST	1/19/02	17:15

Comments: Lot #: C2A160233 Sample #: 13 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQT7 **Client ID:** DF-BK02-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 22.4

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.2	51.6	3980		1	ICPST	1/19/02	17:22
Antimony	206.84	0.49	15.5	0.61	BNJ	1	ICPST	1/19/02	17:22
Arsenic	189.04	0.39	2.6	17.8		1	ICPST	1/19/02	17:22
Barium	493.41	0.083	51.6	60.8		1	ICPST	1/19/02	17:22
Beryllium	313.04	0.15	1.3	0.56	B	1	ICPST	1/19/02	17:22
Cadmium	226.50	0.077	1.3	1.2	B	1	ICPST	1/19/02	17:22
Calcium	317.93	6.7	1290	54700		1	ICPST	1/19/02	17:22
Chromium	267.72	0.16	2.6	11.4		1	ICPST	1/19/02	17:22
Cobalt	228.62	0.13	12.9	5.4	B	1	ICPST	1/19/02	17:22
Copper	324.75	0.20	6.4	36.5	UNJ	1	ICPST	1/19/02	17:22
Iron	271.44	4.4	25.8	14300		1	ICPST	1/19/02	17:22
Lead	220.35	0.44	0.77	76.5		1	ICPST	1/19/02	17:22
Magnesium	279.08	6.5	1290	29000		1	ICPST	1/19/02	17:22
Manganese	257.61	0.059	3.9	536	NJ	1	ICPST	1/19/02	17:22
Nickel	231.60	0.15	10.3	17.8	*	1	ICPST	1/19/02	17:22
Potassium	766.49	2.1	1290	896	BEJ	1	ICPST	1/19/02	17:22
Selenium	220.35	0.54	1.3	1.8	NJ	1	ICPST	1/19/02	17:22
Silver	328.07	0.083	2.6	0.14	B	1	ICPST	1/19/02	17:22
Sodium	330.23	15.3	1290	123	B	1	ICPST	1/19/02	17:22
Thallium	190.86	0.62	2.6	0.62	U	1	ICPST	1/19/02	17:22
Vanadium	292.40	0.12	12.9	12.1	B	1	ICPST	1/19/02	17:22
Zinc	206.2	0.64	5.2	194		1	ICPST	1/19/02	17:22

Comments: Lot #: C2A160233 Sample #: 14 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQT8 **Client ID:** DF-BK03-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 21.5

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.1	51.0	3160		1	ICPST	1/19/02	17:28
Antimony	206.84	0.48	15.3	0.84	BNJ	1	ICPST	1/19/02	17:28
Arsenic	189.04	0.38	2.6	7.3		1	ICPST	1/19/02	17:28
Barium	493.41	0.082	51.0	47.0	B	1	ICPST	1/19/02	17:28
Beryllium	313.04	0.15	1.3	0.38	B	1	ICPST	1/19/02	17:28
Cadmium	226.50	0.076	1.3	1.6		1	ICPST	1/19/02	17:28
Calcium	317.93	6.6	1270	73200		1	ICPST	1/19/02	17:28
Chromium	267.72	0.15	2.6	22.3		1	ICPST	1/19/02	17:28
Cobalt	228.62	0.13	12.7	4.7	B	1	ICPST	1/19/02	17:28
Copper	324.75	0.20	6.4	47.1	UNJ	1	ICPST	1/19/02	17:28
Iron	271.44	4.3	25.5	14500		1	ICPST	1/19/02	17:28
Lead	220.35	0.43	0.76	121		1	ICPST	1/19/02	17:28
Magnesium	279.08	6.5	1270	40600		1	ICPST	1/19/02	17:28
Manganese	257.61	0.059	3.8	564	NJ	1	ICPST	1/19/02	17:28
Nickel	231.60	0.15	10.2	28.0	*	1	ICPST	1/19/02	17:28
Potassium	766.49	2.1	1270	757	BEJ	1	ICPST	1/19/02	17:28
Selenium	220.35	0.54	1.3	1.1	BNJ	1	ICPST	1/19/02	17:28
Silver	328.07	0.082	2.6	0.13	B	1	ICPST	1/19/02	17:28
Sodium	330.23	15.1	1270	138	B	1	ICPST	1/19/02	17:28
Thallium	190.86	0.61	2.6	0.61	U	1	ICPST	1/19/02	17:28
Vanadium	292.40	0.12	12.7	10.1	B	1	ICPST	1/19/02	17:28
Zinc	206.2	0.64	5.1	326		1	ICPST	1/19/02	17:28

Comments: Lot #: C2A160233 Sample #: 15 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVC **Client ID:** DF-RW02-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 16.4

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.7	47.9	2410		1	ICPST	1/19/02	17:35
Antimony	206.84	0.46	14.4	0.47	BNJ	1	ICPST	1/19/02	17:35
Arsenic	189.04	0.36	2.4	2.6		1	ICPST	1/19/02	17:35
Barium	493.41	0.077	47.9	36.9	B	1	ICPST	1/19/02	17:35
Beryllium	313.04	0.14	1.2	0.24	B	1	ICPST	1/19/02	17:35
Cadmium	226.50	0.072	1.2	1.1	B	1	ICPST	1/19/02	17:35
Calcium	317.93	6.2	1200	6820		1	ICPST	1/19/02	17:35
Chromium	267.72	0.14	2.4	8.5		1	ICPST	1/19/02	17:35
Cobalt	228.62	0.12	12.0	9.6	B	1	ICPST	1/19/02	17:35
Copper	324.75	0.19	6.0	70.8	NJ	1	ICPST	1/19/02	17:35
Iron	271.44	4.0	23.9	13000		1	ICPST	1/19/02	17:35
Lead	220.35	0.41	0.72	59.7		1	ICPST	1/19/02	17:35
Magnesium	279.08	6.1	1200	1580		1	ICPST	1/19/02	17:35
Manganese	257.61	0.055	3.6	1230	NJ	1	ICPST	1/19/02	17:35
Nickel	231.60	0.14	9.6	38.1	*	1	ICPST	1/19/02	17:35
Potassium	766.49	2.0	1200	258	BEJ	1	ICPST	1/19/02	17:35
Selenium	220.35	0.50	1.2	1.1	BNJ	1	ICPST	1/19/02	17:35
Silver	328.07	0.077	2.4	0.084	B	1	ICPST	1/19/02	17:35
Sodium	330.23	14.2	1200	189	B	1	ICPST	1/19/02	17:35
Thallium	190.86	0.57	2.4	0.57	U	1	ICPST	1/19/02	17:35
Vanadium	292.40	0.11	12.0	6.3	B	1	ICPST	1/19/02	17:35
Zinc	206.2	3.0	23.9	2630		5	ICPST	1/21/02	15:40

Comments: Lot #: C2A160233 Sample #: 16 Color Pre: Black, Color Post: Black Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVG **Client ID:** DF-SUB03-SD

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 8.459

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.2	43.7	1510		1	ICPST	1/19/02	17:42
Antimony	206.84	0.42	13.1	1.1	BNJ	1	ICPST	1/19/02	17:42
Arsenic	189.04	0.33	2.2	5.3		1	ICPST	1/19/02	17:42
Barium	493.41	0.070	43.7	28.2	B	1	ICPST	1/19/02	17:42
Beryllium	313.04	0.13	1.1	0.17	B	1	ICPST	1/19/02	17:42
Cadmium	226.50	0.066	1.1	0.87	B	1	ICPST	1/19/02	17:42
Calcium	317.93	5.6	1090	16800		1	ICPST	1/19/02	17:42
Chromium	267.72	0.13	2.2	107		1	ICPST	1/19/02	17:42
Cobalt	228.62	0.11	10.9	11.4		1	ICPST	1/19/02	17:42
Copper	324.75	0.17	5.5	102	NJ	1	ICPST	1/19/02	17:42
Iron	271.44	3.7	21.9	39600		1	ICPST	1/19/02	17:42
Lead	220.35	0.37	0.66	31.0		1	ICPST	1/19/02	17:42
Magnesium	279.08	5.5	1090	3150		1	ICPST	1/19/02	17:42
Manganese	257.61	0.050	3.3	488	NJ	1	ICPST	1/19/02	17:42
Nickel	231.60	0.13	8.7	128	*	1	ICPST	1/19/02	17:42
Potassium	766.49	1.8	1090	307	BEJ	1	ICPST	1/19/02	17:42
Selenium	220.35	0.46	1.1	0.90	BNJ	1	ICPST	1/19/02	17:42
Silver	328.07	0.070	2.2	0.085	B	1	ICPST	1/19/02	17:42
Sodium	330.23	13.0	1090	86.5	B	1	ICPST	1/19/02	17:42
Thallium	190.86	0.52	2.2	0.52	U	1	ICPST	1/19/02	17:42
Vanadium	292.40	0.098	10.9	5.8	B	1	ICPST	1/19/02	17:42
Zinc	206.2	0.55	4.4	57.4		1	ICPST	1/19/02	17:42

Comments: Lot #: C2A160233 Sample #: 17 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVM **Client ID:** DF-SUB03-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 6.959

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.1	43.0	1330		1	ICPST	1/19/02	17:48
Antimony	206.84	0.41	12.9	0.65	BNJ	1	ICPST	1/19/02	17:48
Arsenic	189.04	0.32	2.2	1.3	B	1	ICPST	1/19/02	17:48
Barium	493.41	0.069	43.0	18.1	B	1	ICPST	1/19/02	17:48
Beryllium	313.04	0.13	1.1	0.14	B	1	ICPST	1/19/02	17:48
Cadmium	226.50	0.065	1.1	0.44	B	1	ICPST	1/19/02	17:48
Calcium	317.93	5.6	1080	11600		1	ICPST	1/19/02	17:48
Chromium	267.72	0.13	2.2	18.6		1	ICPST	1/19/02	17:48
Cobalt	228.62	0.11	10.8	3.7	B	1	ICPST	1/19/02	17:48
Copper	324.75	0.17	5.4	22.8	NJ	1	ICPST	1/19/02	17:48
Iron	271.44	3.6	21.5	19600		1	ICPST	1/19/02	17:48
Lead	220.35	0.37	0.65	27.4		1	ICPST	1/19/02	17:48
Magnesium	279.08	5.4	1080	1490		1	ICPST	1/19/02	17:48
Manganese	257.61	0.049	3.2	280	NJ	1	ICPST	1/19/02	17:48
Nickel	231.60	0.13	8.6	49.0	*	1	ICPST	1/19/02	17:48
Potassium	766.49	1.8	1080	268	BEJ	1	ICPST	1/19/02	17:48
Selenium	220.35	0.45	1.1	0.59	BNJ	1	ICPST	1/19/02	17:48
Silver	328.07	0.069	2.2	0.18	B	1	ICPST	1/19/02	17:48
Sodium	330.23	12.8	1080	92.3	B	1	ICPST	1/19/02	17:48
Thallium	190.86	0.52	2.2	0.52	U	1	ICPST	1/19/02	17:48
Vanadium	292.40	0.097	10.8	3.8	B	1	ICPST	1/19/02	17:48
Zinc	206.2	0.54	4.3	50.1		1	ICPST	1/19/02	17:48

Comments: Lot #: C2A160233 Sample #: 18 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVQ **Client ID:** DF-SUB04-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 6.16

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.1	42.6	1660		1	ICPST	1/19/02	18:29
Antimony	206.84	0.41	12.8	0.89	BNJ	1	ICPST	1/19/02	18:29
Arsenic	189.04	0.32	2.1	1.7	B	1	ICPST	1/19/02	18:29
Barium	493.41	0.068	42.6	17.9	B	1	ICPST	1/19/02	18:29
Beryllium	313.04	0.12	1.1	0.17	B	1	ICPST	1/19/02	18:29
Cadmium	226.50	0.064	1.1	0.28	B	1	ICPST	1/19/02	18:29
Calcium	317.93	5.5	1070	45900		1	ICPST	1/19/02	18:29
Chromium	267.72	0.13	2.1	7.0		1	ICPST	1/19/02	18:29
Cobalt	228.62	0.10	10.7	3.1	B	1	ICPST	1/19/02	18:29
Copper	324.75	0.17	5.3	16.0	NJ	1	ICPST	1/19/02	18:29
Iron	271.44	3.6	21.3	5980		1	ICPST	1/19/02	18:29
Lead	220.35	0.36	0.64	19.1		1	ICPST	1/19/02	18:29
Magnesium	279.08	5.4	1070	7450		1	ICPST	1/19/02	18:29
Manganese	257.61	0.049	3.2	158	NJ	1	ICPST	1/19/02	18:29
Nickel	231.60	0.13	8.5	6.7	B*	1	ICPST	1/19/02	18:29
Potassium	766.49	1.8	1070	298	BEJ	1	ICPST	1/19/02	18:29
Selenium	220.35	0.45	1.1	0.45	UNJ	1	ICPST	1/19/02	18:29
Silver	328.07	0.068	2.1	0.079	B	1	ICPST	1/19/02	18:29
Sodium	330.23	12.6	1070	131	B	1	ICPST	1/19/02	18:29
Thallium	190.86	0.51	2.1	0.51	U	1	ICPST	1/19/02	18:29
Vanadium	292.40	0.096	10.7	4.1	B	1	ICPST	1/19/02	18:29
Zinc	206.2	0.53	4.3	42.9		1	ICPST	1/19/02	18:29

Comments: Lot #: C2A160233 Sample #: 19 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVT **Client ID:** DF-SUB07-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 17.0

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.8	48.2	3430		1	ICPST	1/19/02	18:36
Antimony	206.84	0.46	14.5	0.46	UN J	1	ICPST	1/19/02	18:36
Arsenic	189.04	0.36	2.4	3.9		1	ICPST	1/19/02	18:36
Barium	493.41	0.077	48.2	36.4	B	1	ICPST	1/19/02	18:36
Beryllium	313.04	0.14	1.2	0.32	B	1	ICPST	1/19/02	18:36
Cadmium	226.50	0.072	1.2	0.87	B	1	ICPST	1/19/02	18:36
Calcium	317.93	6.2	1210	109000		1	ICPST	1/19/02	18:36
Chromium	267.72	0.15	2.4	23.2		1	ICPST	1/19/02	18:36
Cobalt	228.62	0.12	12.1	3.0	B	1	ICPST	1/19/02	18:36
Copper	324.75	0.19	6.0	31.4	N J	1	ICPST	1/19/02	18:36
Iron	271.44	4.1	24.1	16500		1	ICPST	1/19/02	18:36
Lead	220.35	0.41	0.72	38.7		1	ICPST	1/19/02	18:36
Magnesium	279.08	6.1	1210	31500		1	ICPST	1/19/02	18:36
Manganese	257.61	0.055	3.6	434	N J	1	ICPST	1/19/02	18:36
Nickel	231.60	0.14	9.6	17.1	*	1	ICPST	1/19/02	18:36
Potassium	766.49	2.0	1210	601	BE J	1	ICPST	1/19/02	18:36
Selenium	220.35	0.51	1.2	0.51	UN J	1	ICPST	1/19/02	18:36
Silver	328.07	0.077	2.4	0.15	B	1	ICPST	1/19/02	18:36
Sodium	330.23	14.3	1210	198	B	1	ICPST	1/19/02	18:36
Thallium	190.86	0.58	2.4	0.58	U	1	ICPST	1/19/02	18:36
Vanadium	292.40	0.11	12.1	11.1	B	1	ICPST	1/19/02	18:36
Zinc	206.2	0.60	4.8	87.7		1	ICPST	1/19/02	18:36

Comments: Lot #: C2A160233 Sample #: 20 Color Pre: Gray/Brown, Color Post: Brown, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1 U Result is less than the IDL *Form I Equivalent*

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: ERQVX **Client ID:** DF-SUB08-SO

Matrix: Soil **Units:** mg/kg **Prep Date:** 1/17/02 **Prep Batch:** 2017131

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 14.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.6	46.7	5550		1	ICPST	1/19/02	18:42
Antimony	206.84	0.44	14.0	1.1	BN J	1	ICPST	1/19/02	18:42
Arsenic	189.04	0.35	2.3	8.6		1	ICPST	1/19/02	18:42
Barium	493.41	0.075	46.7	46.4	B	1	ICPST	1/19/02	18:42
Beryllium	313.04	0.14	1.2	0.53	B	1	ICPST	1/19/02	18:42
Cadmium	226.50	0.070	1.2	0.70	B	1	ICPST	1/19/02	18:42
Calcium	317.93	6.0	1170	33000		1	ICPST	1/19/02	18:42
Chromium	267.72	0.14	2.3	12.1		1	ICPST	1/19/02	18:42
Cobalt	228.62	0.11	11.7	4.6	B	1	ICPST	1/19/02	18:42
Copper	324.75	0.18	5.8	44.9	N J	1	ICPST	1/19/02	18:42
Iron	271.44	3.9	23.3	17600		1	ICPST	1/19/02	18:42
Lead	220.35	0.40	0.70	120		1	ICPST	1/19/02	18:42
Magnesium	279.08	5.9	1170	9270		1	ICPST	1/19/02	18:42
Manganese	257.61	0.054	3.5	391	N J	1	ICPST	1/19/02	18:42
Nickel	231.60	0.14	9.3	15.9	*	1	ICPST	1/19/02	18:42
Potassium	766.49	1.9	1170	775	BE J	1	ICPST	1/19/02	18:42
Selenium	220.35	0.49	1.2	1.0	BN J	1	ICPST	1/19/02	18:42
Silver	328.07	0.075	2.3	0.082	B	1	ICPST	1/19/02	18:42
Sodium	330.23	13.8	1170	168	B	1	ICPST	1/19/02	18:42
Thallium	190.86	0.56	2.3	0.56	U	1	ICPST	1/19/02	18:42
Vanadium	292.40	0.11	11.7	13.8		1	ICPST	1/19/02	18:42
Zinc	206.2	0.58	4.7	102		1	ICPST	1/19/02	18:42

Comments: Lot #: C2A160233 Sample #: 21 Color Pre: Black, Color Post: Black, Texture Pre: Medium, Texture Post: Medium

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent