AR TARGET SHEET

The following document was too large to scan as one unit, therefore it has been broken down into sections.

DOCUMENT # B07K41-TMA-328

EDMC # 45749

SECTION 17 OF 17

Not Validated 3-25-93 SC

9213504.1463

000005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B05

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B05

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV
3-25-93SC

Not Vo [illegible] 9713504.1465
3-25-93 SC

000007

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KB0

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B06

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

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

9713504.1466

000008

EPA SAMPLE NO.

B07KB0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B06

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV
3-25-93 SC

NOT 10 1097 6504.1467
3-25-93 SC

000009
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B04

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

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

9213504.1468

000010

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B04

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV 3-25-93 SC

1A Validated 713504.1469
3-25-93 SC

000011

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KM1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B07

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

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

9213504.1470

000012

EPA SAMPLE NO.

B07KM1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B07

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV3-25-93 SC

NOT [illegible] 9213504.1471 [illegible]

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KM2

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B08

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

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

3-25-93 9713504.1472

000014

EPA SAMPLE NO.

B07KM2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21103B08

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: not dec. ____ Date Analyzed: 11/03/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV
3-25-93 SC

Not located 9715504.1473
3-25-93 SC

000015

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S06

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U

Not validated 3-25-93

9213504.1474

000016

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S06

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

9213504.1475

000017

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S06

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

N√ 3-25-93 SC

Not Validated 3-25-93

9213504.1476

000018

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S03

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U

No - valid - 9713504.1477

000019

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S03

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

3-25-93 9413504.1478

000030
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21106S03

Level: (low/med) LOW Date Received: 10/29/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 11/03/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

NV 3-2593SC

Not validated
3-25-93 SC

9213504.1479

1D

000021

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B07K96

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-04B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 10/29/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/03/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/17/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		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
7421-36-3	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

Not validated 3-25-93 SC

9713504.1480

000022

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07KB1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 11001 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A211001-01B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 10/29/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 11/03/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/17/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ 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
7421-36-3	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

9213604.1481

Not validated
3-25-93 SC

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER: B07K96

Lab Name: SKINNER & SHERMAN LABS. Contract: 68-D0-0108

Lab Code: SKINER Case No.: N2-10-255SAS No.: SDG No.: B07K96

Matrix (soil/water): WATER Lab Sample ID: 11020-01S

Level (low/med): LOW Date Received: 10/31/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.4	B		P
7440-36-0	Antimony	14.8	U		P
7440-38-2	Arsenic	829	B	W	F
7440-39-3	Barium	17.6	B		P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	1.5	U		P
7440-70-2	Calcium	46000			P
7440-47-3	Chromium	21.0			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.9	U		P
7439-89-6	Iron	57.6	B		P
7439-92-1	Lead	529	B	W	F
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	2.2	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium	5960			P
7782-49-2	Selenium	3300	U	N	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	12200			P
7440-28-0	Thallium	239	U		F
7440-62-2	Vanadium	8.2	B		P
7440-66-6	Zinc	12.7	B		P
	Cyanide	10.0	U	N	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9413504.1482

Not validated
3-25-93 SC

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER: B07K99

Lab Name: SKINNER & SHERMAN LABS. Contract: 68-D0-0108

Lab Code: SKINER Case No.: N2-10-255SAS No.: SDG No.: B07K99

Matrix (soil/water): WATER Lab Sample ID: 11021-01S

Level (low/med): LOW Date Received: 10/31/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15.6	B		P
7440-36-0	Antimony	14.8	U		P
7440-38-2	Arsenic	4.7	B	W	F
7440-39-3	Barium	18.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	1.5	U		P
7440-70-2	Calcium	48600			P
7440-47-3	Chromium	15.8			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	1.9	U		P
7439-89-6	Iron	12.6	B		P
7439-92-1	Lead	2.8	B		F
7439-95-4	Magnesium	11200			P
7439-96-5	Manganese	1.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	6310		E	P
7782-49-2	Selenium	3.9	U	WN	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	12800			P
7440-28-0	Thallium	1.3	U		F
7440-62-2	Vanadium	10.1	B		P
7440-66-6	Zinc	6.2	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Not validated 3-25-93

0713504.1483

WESTINGHOUSE/HANFORD

1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07KB1

Lab Name: SKINNER & SHERMAN LABS. Contract: 68-D0-0108

Lab Code: SKINER Case No.: N2-10-255SAS No.: SDG No.: B07K96

Matrix (soil/water): WATER Lab Sample ID: 11020-02S

Level (low/med): LOW Date Received: 10/31/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.7	U		P
7440-36-0	Antimony	14.8	U		P
7440-38-2	Arsenic	722	B	W	F
7440-39-3	Barium	19.3	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	1.5	U		P
7440-70-2	Calcium	46200			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	1.9	U		P
7439-89-6	Iron	35.6	B		P
7439-92-1	Lead	440	B		F
7439-95-4	Magnesium	10700			P
7439-96-5	Manganese	1.4	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	B		P
7440-09-7	Potassium	5740			P
7782-49-2	Selenium	3300	U	WN	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium	239	U		F
7440-62-2	Vanadium	8.8	B		P
7440-66-6	Zinc	21.6			P
	Cyanide	10.0	U	N	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Not validated
3-25-93SC 9713504.1484

WESTINGHOUSE/HANFORD

1

SAMPLE NUMBER:

B07KB4

INORGANIC ANALYSIS DATA SHEET

Lab Name: SKINNER & SHERMAN LABS. Contract: 68-D0-0108

Lab Code: SKINER Case No.: N2-10-255SAS No.: SDG No.: B07K99

Matrix (soil/water): WATER Lab Sample ID: 11021-02S

Level (low/med): LOW Date Received: 10/31/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.7	U		P
7440-36-0	Antimony	14.8	U		P
7440-38-2	Arsenic	3.2	U		F
7440-39-3	Barium	19.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	1.5	U		P
7440-70-2	Calcium	46100			P
7440-47-3	Chromium	10.6			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	1.9	U		P
7439-89-6	Iron	7.6	B		P
7439-92-1	Lead	2.7	B		F
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	2.4	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	5720		E	P
7782-49-2	Selenium	19.5	U	WN	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium	1.3	U		F
7440-62-2	Vanadium	8.2	B		P
7440-66-6	Zinc	5.7	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9713504.1485

Received: 10/31/92 Results by Sample

SAMPLE ID B07K96 SAMPLE # 01 FRACTIONS: A
Date & Time Collected 10/27/92 Category WATER

NO3NO2 2.79
mg N/L

SAMPLE ID B07KB1 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 10/27/92 Category WATER

NO3NO2 3.01
mg N/L

SAMPLE ID B07KB1 DUPL SAMPLE # 02 FRACTIONS: B
Date & Time Collected 10/27/92 Category WATER

NO3NO2 3.19
mg N/L

SAMPLE ID B07KB1 SPIKE SAMPLE # 02 FRACTIONS: C
Date & Time Collected 10/27/92 Category WATER

NO3NO2 4.29
mg N/L

SAMPLE ID LCSW SAMPLE # 03 FRACTIONS: A
Date & Time Collected not specified Category WATER

NO3NO2 1.83
mg N/L

Not validated
3-25-93SC

TMA Thermo Analytical Inc.
Skinner & Sherman Laboratories Inc. 300 Second Avenue, P.O. Box 521, Waltham, Massachusetts 02254-0521 (617) 890-72

9713504.1486

TMA Inc. REPORT Work Order # A2-11-001

Received: 100/29/92 Results by Sample

SAMPLE ID B07K96 FRACTION 04E TEST CODE WCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	11.2	mg/L	0.2
Fluoride	300.0	0.3	mg/L	0.1
Phosphate	300.0	<0.4 U	mg/L	0.4
pH	150.1	7.9	pH	0.1
Sulfate	300.0	52	mg/L	1
Elect. Conductivity	120.1	353	umho/cm	6

FORM I

Not validated
5-25-93

9713504.1487

TMA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07K96 FRACTION 04W TEST CODE WCCLPL NAME Anions & Wet Chem. - WW043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Sulfide	376.1	<1 U	mg/L	1

FORM I

Not validated
5-25-93-C

TNA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07K96 FRACTION 04J TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Ammonia Nitrogen	350.3	<0.05 U	mg/L	0.05
COD	410.0	<30 U	mg/L	30

FORM I

Not validated
3-25-93 SC

TMA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07KB1 FRACTION 01E TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	10.9	mg/L	0.2
Fluoride	300.0	0.4	mg/L	0.1
Phosphate	300.0	~~<~~0.4 U	mg/L	0.4
pH	150.1	7.9	pH	0.1
Sulfate	300.0	48	mg/L	1
Elect. Conductivity	120.1	350	umho/cm	6

FORM I

Not Validated

3-25-93 JC

9713504.1490

TMA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07KB1 FRACTION 016 TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 10/21*p+1X7/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Alkalinity	310.1	109	mg/L	2
Tot. Dissolved Solids	160.1	268	mg/L	5

FORM I

Not validated

3-25-93 SC

9213504.1491

TNA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07KB1 FRACTION 01I TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Sulfide	376.1	~~1~~ U	mg/L	1

FORM I

Not validated

3-25-93 SC

9213504.1492

TMA Inc. REPORT Work Order # A2-11-001

Received: 10/29/92 Results by Sample

SAMPLE ID B07KB1 FRACTION 01K TEST CODE WCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 10/27/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Ammonia Nitrogen	350.3	0.05 U	mg/L	0.05
COD	410.0	30 U	mg/L	30

FORM I

Not Validated!

3-25-93 SC