AR TARGET SHEET

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

DOCUMENT # B07QK4-TMA-382

EDMC # 0045394

SECTION 2 OF 2

9613490.2542

X02085

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QR4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B04

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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 ~~2~~	~~B~~ 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	1	J
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	3	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 ~~1~~	~~B~~ 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

RB 6/19/93

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EPA SAMPLE NO.

B07QR4

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B04

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QR6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B05

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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EPA SAMPLE NO.

B07QR6

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B05

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QR9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B06

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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 ~~5~~	~~J~~ 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	1	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
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	11	
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	2	J
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

RB 6/19

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QR9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B06

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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EPA SAMPLE NO.

B07QS1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B07

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	3	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
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

RB 6/19/9

9613490.2549

000012

EPA SAMPLE NO.

B07QS1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B07

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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000013
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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 ~~3~~	~~J~~ 4
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	6	J
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

RB 6/19/9

9613490.2551

X02085

000014
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/19/93

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B11

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	4	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	1	J
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

RB 6/19/9

9613490.2553

X02085 000010

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QS6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B11

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

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6/19/93

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000017

B07QW4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B12

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB 6/19/

9613490.2555

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QW4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B12

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/19/93

9613490.2556

X02085 000019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QW6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-08A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B13

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	3	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
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

RB 6/19/

9613490.2557

XOLDE

EPA SAMPLE NO. 000020

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QW6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-08A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B13

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/19/93

9613490.2558

XO2085

000021

EPA SAMPLE NO.

B07QX9

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B14

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	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

RB 6/19/

9613490.2559

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE No. 000022

B07QX9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B14

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/15/93

9613490.2560

000023
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

B07QY1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-10A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B15

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	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

RC 6/18

9613490.2561

000024

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QY1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-10A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B15

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/14/93

9613490.2562

000025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B16

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	2	J
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

RB 01/19/93

9613490.2563

000026
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B16

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/19/93

9613490.2564

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000027

B07R01

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-12A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B17

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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	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

RP 6/14

9613490.2565

000028

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07R01

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-12A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217B17

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

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

RB
6/14/93

9613490.2566

000029

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QR4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S03

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/1/93

9613490.2567

000030

EPA SAMPLE NO.

B07QR4

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S03

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/21/93

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QR4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S03

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

MB
6/21/93

9613490.2569

000032

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QR9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S02

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

JKB 6/21

9613490.2570

000033

EPA SAMPLE NO.

B07QR9

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S02

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/21/9

(1) - Cannot be separated from Diphenylamine

9613490.2571

000034

EPA SAMPLE NO.

B07QR9

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S02

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	25.97	2	J
2.	UNKNOWN ALKANE	26.47	3	J
3.	UNKNOWN HYDROCARBON	26.73	2	J
4.	UNKNOWN ALKANE	27.32	3	J
5.	UNKNOWN HYDROCARBON	27.57	3	J
6.	UNKNOWN HYDROCARBON	27.80	3	J

RB 6/21/93

9613490.2572

000035

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S06

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/2/92

9613490.2573

000036

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S06

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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	3	J
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

RP 6/21/9

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S06

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB
6/21/93

9613490.2575

000038

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QW4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S07

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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

RB 6/21/9

9613490.2576

000039

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QW4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S07

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/21

(1) - Cannot be separated from Diphenylamine

9613490.2577

000040

EPA SAMPLE NO.

B07QW4

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S07

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB
6/21/93

9613490.2578

000041

EPA SAMPLE NO.

B07QX9

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/21

9613490.2579

000042

EPA SAMPLE NO.

B07QX9

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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

RB 6/21/9

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QX9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB
6/21/93

9613490.2581

000044

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S09

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/21/9

9613490.2582

000045
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S09

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

RB 6/24

(1) - Cannot be separated from Diphenylamine

9613490.2583

000046

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21223S09

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/23/92

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

AB
6/21/93

9613490.2584

000047
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

B07QR4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-01B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

MB 12/21/92

9613490.2585

000048

EPA SAMPLE NO.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B07QR9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-03B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

RB 6/21/93

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-05D

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

RB 6/21/93

9613490.2587

000050

EPA SAMPLE NO.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B07QW4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-07B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

RB 6/21/

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QX9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-09B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

RB
6/21/9

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QZ9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12039 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212039-11B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

B
6/21/9

9613490.2590

000015

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B07QR4 FRACTION 01E TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	13.2	mg/L	0.2	J holding time ex
Fluoride	300.0	0.3	mg/L	0.1	J
Phosphate	300.0	<0.4	mg/L	0.4	(J) matrix spike (R) holding grossly exce
pH	150.1	7.8	pH	0.1	J holding time exceed
Sulfate	300.0	32	mg/L	1	(J) holding time exceeded
Elect. Conductivity	120.1	423	umho/cm	6	

FORM I

6/21/93 SC

9613490.2591

000016

TRA Inc. REPORT Work Order # A2-12-639

Received: 12/11/92

Results by Sample

SAMPLE ID B07QR4 FRACTION 016 TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	161	mg/L	2	R holding times grossly exceede.
Tot. Dissolved Solids	160.1	277	mg/L	5	R holding times grossly exceeded

FORM I

6/21/93 SC

9613490.2592

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07QR4 FRACTION 01I TEST CODE WCCLPL NAME Anions & Wet Chem. - WE043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Sulfide	376.1	<1	mg/L	1	R holding times grossly exceed

FORM I

6/21/93 SC

9613490.2593

000018

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B07984 FRACTION 01K TEST CODE VCCLPL NAME Anions & Wet Chem. - VR043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ holding times exceeded
COD	410.0	<5	mg/L	5	J holding time exceeded

FORM I

6/21/93 SC

9613490.2594

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07QR9 FRACTION 03E TEST CODE WCCLPL NAME Anions & Wet Chem. - VR043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	6.3	mg/L	0.2	(J) holding times exceeded
Fluoride	300.0	0.4	mg/L	0.1	(J)
Phosphate	300.0	<0.4	mg/L	0.4	J) matrix spike (B) holding + grossly
pH	150.1	8.3	pH	0.1	J) holding times exc
Sulfate	300.0	21	mg/L	1	J)
Elect. Conductivity	120.1	290	umho/cm	6	

FORM I

6/21/93 SC

9613490.2595

TNA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B07QR9 FRACTION 03G TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	117	mg/L	2	(R)
Tot. Dissolved Solids	160.1	201	mg/L	5	(R)

holding times gp exceeded

FORM I

6/21/93 SC

9613490.2596

000021

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07989 FRACTION 03H TEST CODE WCCLPL NAME Anions & Wet Chem. - VH063

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

(R) holding times grossly excu

FORM I

6/21/93 SC

9613490.2597

000022

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B070R9 FRACTION 03J TEST CODE WCCLPL NAME Anions & Wet Chem. - WB063

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ holding times exceeded
COD	410.0	<5	mg/L	5	J holding times ex

FORM I

6/21/93 SC

9613490.2598

000023

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07984 FRACTION 05E TEST CODE WCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	7.3	mg/L	0.2	J holding times exceeded
Fluoride	300.0	0.4	mg/L	0.1	J
Phosphate	300.0	<0.4	mg/L	0.4	(J) matrix spike (R) holding times grossly e
pH	150.1	8.0	pH	0.1	J holding times exceed.
Sulfate	300.0	109	mg/L	1	J holding times exceeded.
Elect. Conductivity	120.1	468	umho/cm	6	

FORM I

6/21/93 SC

9613490.2599

000024

THA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B07084 FRACTION 05F TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	124	mg/L	2	(R) holding times grossly exceed.
Tot. Dissolved Solids	160.1	330	mg/L	5	(R)

FORM I

6/21/93 SC

9613490.2600

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07QS4 FRACTION 05G TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

(R) holding times grossly exceede

FORM I

6/21/93 SC

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07954 FRACTION 05B TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	0.07	mg/L	0.05	UJ holding times. exceeded
COD	410.0	<5	mg/L	5	(J) holding time exceeded

FORM I

6/21/93 SC

9613490.2602

000027

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07QW4 FRACTION 07C TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	6.4	mg/L	0.2	J) holding times exceed
Fluoride	300.0	0.6	mg/L	0.1	J
Phosphate	300.0	<0.4	mg/L	0.4	J) matrix spike (R) holding + gross limit ex
pH	150.1	8.0	pH	0.1	J) holding times exceed
Sulfate	300.0	36	mg/L	1	J)
Elect. Conductivity	120.1	349	umho/cm	6	

FORM I

6/21/93 SC

9613490.2603

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID 887QW4 FRACTION 07D TEST CODE WCCLPL NAME Anions & Wet Chem. - WK043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	111	mg/L	2	(R) holding times grossly exceeded
Tot. Dissolved Solids	160.1	241	mg/L	5	(R) ↓

FORM I

6/21/93 SC

9613490.2604

TNA Inc. REPORT Work Order # A2-[illegible]029

Received: 12/11/92 Results by Sample

SAMPLE ID B079W4 FRACTION 97E TEST CODE VCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

(R) holding times grossly exceeded

FORM I

4/21/93 SC

9613490.2605

000030

THA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B07QW4 FRACTION 07F TEST CODE WCCLPL NAME Anions & Wet Chem. - WB943

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	(UJ) holding times exceeded
COD	410.0	<5	mg/L	5	(J) holding times exceeded

FORM I

6/21/93 SC

9613490.2606

000031

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B079X9 FRACTION 09C TEST CODE WCCLPL NAME Anions & Wet Chem. - WR043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	~~<~~0.2 U	mg/L	0.2	(J) holding times exceeded
Fluoride	300.0	~~<~~0.1 U	mg/L	0.1	(J)
Phosphate	300.0	<0.4	mg/L	0.4	(J) matrix spike (R) holding times grossly
pH	150.1	5.8	pH	0.1	(J) holding times exec
Sulfate	300.0	~~<~~1.0 U	mg/L	1	(J)
Elect. Conductivity	120.1	~~<~~6 U	umho/cm	6	

FORM 1

6/21/93 SC

9613490.2607

000032

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B079X9 FRACTION 099 TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	<2	mg/L	2	(R) holding times grossly exceeded
Tot. Dissolved Solids	160.1	<5	mg/L	5	(R)

FORM I

6/21/93 SC

TMA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B070X9 FRACTION 09E TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

(R) holding times grossly exceeded

FORM I

6/21/93 SC

9613490.2609

000034

TRA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92

Results by Sample

SAMPLE ID B070X9 FRACTION 09F TEST CODE VCCLPL NAME Anions & Wet Chem. - VB043

Date & Time Collected 12/09/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	0.05	mg/L	0.05	UJ holding times exceeded
COD	410.0	<5 U	mg/L	5	(J) holding times exceeded

FORM I

6/21/93 SC

9613490.2610

TMA Inc. REPORT Work Order # A2-12-839

Received: 12/11/92 Results by Sample

SAMPLE ID B07929 FRACTION 11C TEST CODE WCCLPL NAME Anions & Wet Chem. - WW043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	8.5	mg/L	0.2	(J) holding times exceeded
Fluoride	300.0	0.6	mg/L	0.1	(J)
Phosphate	300.0	<0.4	mg/L	0.4	(J) matrix spike (R) holding times grs. exceeded
pH	150.1	7.9	pH	0.1	(J) holding times exceed
Sulfate	300.0	34	mg/L	1	(J)
Elect. Conductivity	120.1	327	umho/cm	6	

FORM I

6/21/93 SC

TNA Inc. REPORT Work Order # A2-12-039

Received: 12/11/92 Results by Sample

SAMPLE ID B07929 FRACTION 11D TEST CODE WCCLPL NAME Anions & Wet Chem. - WB043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	116	mg/L	2	(R)
Tot. Dissolved Solids	160.1	236	mg/L	5	(R)

holding times grossly exceeded

FORM I

6/21/93 SL

9613490.2612

TRA Inc. REPORT Work Order # A2-12-039 000037

Received: 12/11/92

Results by Sample

SAMPLE ID B07QZ9 FRACTION 11E TEST CODE WCCLPL NAME Anions & Wet Chem. - WE043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

(R) holding times grossly exceed

FORM I

6/21/93 SC

TMA Inc. REPORT Work Order # A2-12-839

Received: 12/11/92

Results by Sample

SAMPLE ID B07029 FRACTION 11F TEST CODE WCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/08/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	(UJ) holding times exceeded
COD	410.0	<5 U	mg/L	5	J) holding times exceeded

FORM I

12/11/92

9613490.2614

X02084

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE No.
000005
B07QP9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B04

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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 ~~2~~	~~B~~ 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	15	
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

FORM I VOA 3/90

6/16/93 SX

9613490.2615

X02084

000006

EPA SAMPLE NO.

B07QP9

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B04

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

9613490.2616

000007
X02084

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QQ1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B07

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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	3	BJ
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	2	J
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

BT 7/15/

6/16/93 SC

9613490.2617

000008
X02084
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QQ1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B07

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FREON	4.30	11	J

6/16/93 SC

9613490.2618

X02084
000009

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QQ4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B08

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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	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

6/16/93 SC

9613490.2619

X02087
000010

EPA SAMPLE NO.

B07QQ4

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B08

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FREON	4.35	12	J

6/16/93 SC

9613490.2620

X02084

000011
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

B07QQ6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B09

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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	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

FORM I VOA 3/90

6/16/93 56

9613490.2621

X02084

090012

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07Q06

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B09

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FREON	4.32	10	J

6/16/93

9613490.2622

X02084

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QT9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B10

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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	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

FORM I VOA

6/16/93 SC 3/90

9613490.2623

X02084
000014
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QT9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B10

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FREON	4.32	12	J

6/16/93 SC

9613490.2624

000015

X0208

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QV1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B11

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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	9	J
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

1.1/16/93SC

9613490.2625

XO2084
000016
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QV1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-06A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21218B11

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec. ____ Date Analyzed: 12/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FREON	4.33	11	J

6/16/93 SC

9613490.2626

X02084
0000177

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QP9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S06

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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

6/16/93SC

9613490.2627

X020844

000018

EPA SAMPLE NO.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B07QP9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S06

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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	14	~~B~~ 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

FORM I SV-2

6/16/93 SC

3/90

9613490.2628

XO2084
000019
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QP9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S06

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

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

6/16/93 SC

9613490.2629

000020

X02084

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QQ4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S09

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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

6/16/93 SC 3/90

9613490.2630

X02054

000021

EPA SAMPLE NO.

B07QQ4

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S09

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

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

6/16/93 SC

9613490.2631

XD2084 000022

EPA SAMPLE NO.

B07QQ4

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S09

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

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

6/16/93 SL

9613490.2632

X02084 000023

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QT9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222810

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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

6/16/93 SC

9613490.2633

X02024 000024

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QT9

Lab Name: TMA/ARLI Contract: NHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S10

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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 ~~9~~	~~BJ~~ 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

6/16/93 SC

9613490.2634

X02084 000025

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QT9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21222S10

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/17/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

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

6/16/93 SL

9613490.2635

X02084

000026

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QP9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-01D

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/15/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

6/16/93 SC

9613490.2636

X02084

000027

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QQ4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-03B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/15/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

6/16/93 SC

9613490.2637

X02084 000028

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QT9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12052 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212052-05B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/15/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

6/16/93

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER: B07QP0

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

Lab Code: SKINER Case No.: N212087, NSAS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-01S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	4.3	B		F
7440-39-3	Barium	28.7	B		P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	57800			P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	5.4	B		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	1.8	B		F
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese	1.7	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	5340			P
7782-49-2.	Selenium	3.8	U	~~MWN~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	12.6	B		P
7440-66-6	Zinc	8.6	~~B~~ U		P
	Cyanide				NR

1/16/93 SC

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

002

9613490.2639

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QQ0

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

.ab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

latrix (soil/water): WATER Lab Sample ID: 12214-09S

.evel (low/med): LOW Date Received: 12/15/92

; 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	38.3	B		P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	38300			P
7440-47-3	Chromium	15.9			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	3.4			F
7439-95-4	Magnesium	4550	B		P
7439-96-5	Manganese	2.2	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	9.1	B		P
7440-09-7	Potassium	2520	B		P
7782-49-2	Selenium	3.8	U	~~N~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	5900			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	4.0	U		P
7440-66-6	Zinc	12.7	B		P
	Cyanide				NR

6/16/93

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

003

FORM I - IN ILM02.1

9613490.2640

X02084

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER:
B07QQ5

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

ab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

atrix (soil/water): WATER Lab Sample ID: 12214-10S

evel (low/med): LOW Date Received: 12/15/92

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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	2.2	B		F
7440-39-3	Barium	76.6	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	28000			P
7440-47-3	Chromium	6.9	B		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	3.4			F
7439-95-4	Magnesium	16500			P
7439-96-5	Manganese	3.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	4470	B		P
7782-49-2	Selenium	3.8	U	~~UN~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	30500			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	5.2	B		P
7440-66-6	Zinc	8.1	~~B~~	U	P
	Cyanide				NR

6/16/93

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

004

9613490.2641

X01084

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER:

B07QR5

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

ab Code: SKINER Case No.: N212087,N&AS No.: SDG No.: B07QP0

atrix (soil/water): WATER Lab Sample ID: 12214-03S

evel (low/med): LOW Date Received: 12/15/92

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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	2.2	B		F
7440-39-3	Barium	54.3	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	59200			P
7440-47-3	Chromium	143			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	1.7	B		F
7439-95-4	Magnesium	11600			P
7439-96-5	Manganese	19.2			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	4270	B		P
7782-49-2	Selenium	5.2		~~N~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	19800			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	4.4	B		P
7440-66-6	Zinc	5.6	~~B~~	V	P
	Cyanide				NR

olor Before: COLORLESS Clarity Before: CLEAR Texture: 6/14/93

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

005

9613490.2642

X02084

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER: B07QS0

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

Lab Code: SKINER Case No.: N212087,NSAS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-04S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	4.8	B		F
7440-39-3	Barium	33.5	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	35600			P
7440-47-3	Chromium	12.9			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	3.0		W	F
7439-95-4	Magnesium	9960			P
7439-96-5	Manganese	9.8	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	5160			P
7782-49-2	Selenium	3.8	U	WN J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	13700			P
7440-28-0	Thallium	1.5	U	W J	F
7440-62-2	Vanadium	13.4	B		P
7440-66-6	Zinc	2.5	B	U	P
	Cyanide				NR

6/16/92

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

006

9613490.2643

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QS5

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-05S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	5.2	B		F
7440-39-3	Barium	59.1	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	66000			P
7440-47-3	Chromium	2010			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	16.0	B		P
7439-92-1	Lead	2.2	B		F
7439-95-4	Magnesium	17100			P
7439-96-5	Manganese	54.5			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	6180			P
7782-49-2	Selenium	3.8	U	MWN	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	15300			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	11.0	B		P
7440-66-6	Zinc	14.2	B		P
	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture: 6/10/93

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

007

9613490.2644

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QT0

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-02S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	3.1	B		F
7440-39-3	Barium	28.7	B		P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	36300			P
7440-47-3	Chromium	117			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	1.9	B		F
7439-95-4	Magnesium	7790			P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	3690	B		P
7782-49-2	Selenium	3.8	U	WN	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	8820			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	12.4	B		P
7440-66-6	Zinc	17.3	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: 6/16/93

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

008

9613490.2645

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QV0

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

Lab Code: SKINER Case No.: N212087, NSAS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-11S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	6.1	B		F
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	42600			P
7440-47-3	Chromium	53.5			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	2.4	B		F
7439-95-4	Magnesium	11700			P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	5060			P
7782-49-2	Selenium	3.8	U	~~UN~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	15400			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	18.0	B		P
7440-66-6	Zinc	11.2	~~B~~	V	P
	Cyanide				NR

6/16/93

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

009

9613490.2646

XD2084

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER:

B07QW5

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-06S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	5.5	B		F
7440-39-3	Barium	14.4	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	36700			P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	1.9	B		F
7439-95-4	Magnesium	11200			P
7439-96-5	Manganese	1.7	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	5800			P
7782-49-2	Selenium	3.8	U	~~UN~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	21600			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	17.8	B		P
7440-66-6	Zinc	3.6	~~B~~	V	P
	Cyanide				NR

6/10/93

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

010

9613490.2647

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QY0

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

Lab Code: SKINER Case No.: N212087, NSAS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-07S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	2.0	U		F
7440-39-3	Barium	2.4	U		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	81.3	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	2.7	B		F
7439-95-4	Magnesium	65.6	U		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	124	U		P
7782-49-2	Selenium	3.8	U	N J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	122	B		P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	4.0	U		P
7440-66-6	Zinc	6.1	~~B~~ U		P
	Cyanide				NR

1/16/93

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

011

9613490.2648 X0208L

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER:

B07R00
J.S.

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QP0

Matrix (soil/water): WATER Lab Sample ID: 12214-08S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	5.8	B		F
7440-39-3	Barium	19.2	B		P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	33600			P
7440-47-3	Chromium	5.9	B		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	3.7	U		P
7439-92-1	Lead	8.3			F
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	1.7	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	6130			P
7782-49-2	Selenium	3.8	U	~~WN~~ J	F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	22000			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	19.2	B		P
7440-66-6	Zinc	5.1	~~B~~	U	P
	Cyanide				NR

6/16/93

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

012

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WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QN9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-01S

Level (low/med): LOW Date Received: 12/15/92

% 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	37.3	~~B~~ U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	5.3	B	~~WN~~ ~~J~~	F R
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	59900			P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	6.6	B		P
7439-89-6	Iron	39.1	B	~~E~~	P
7439-92-1	Lead	2.9	B		F
7439-95-4	Magnesium	13300			P
7439-96-5	Manganese	3.8	~~B~~ U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	11.4	B		P
7440-09-7	Potassium	5300			P
7782-49-2	Selenium	3.3	U	~~WN~~ ~~J~~	F R
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	13.1	~~B~~ U		P
	Cyanide	10.0	U	~~N~~ J	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

6/16/93 SC

002

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X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QP9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-09S

Level (low/med): LOW Date Received: 12/16/92

% 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	79.8	~~B~~	u	P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	3.7	U	~~WN~~ ~~J~~	F	R
7440-39-3	Barium	36.1	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	39600			P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	95.2	B	~~E~~ J	P	
7439-92-1	Lead	1.9	B		F	
7439-95-4	Magnesium	4650	B		P	
7439-96-5	Manganese	6.3	~~B~~	u	P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	7.4	B		P	
7440-09-7	Potassium	2870	B		P	
7782-49-2	Selenium	16.5	U	~~N~~ ~~J~~	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	5870			P	
7440-28-0	Thallium	1.5	U		F	
7440-62-2	Vanadium	4.0	U		P	
7440-66-6	Zinc	28.3			P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/93 SC

Comments:

003

FORM I - IN ILM02.1

9613490.2651

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QQ4

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

Lab Code: SKINER Case No.: N212087, NSAS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-10S

Level (low/med): LOW Date Received: 12/16/92

% 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	59.6	~~B~~ U		P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	3.7	U	~~WN~~ ~~J~~	F	R
7440-39-3	Barium	72.2	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	28500			P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	98.6	B	~~E~~ J	P	
7439-92-1	Lead	6.7			F	
7439-95-4	Magnesium	16400			P	
7439-96-5	Manganese	20.2	U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	12.7	B		P	
7440-09-7	Potassium	4710	B		P	
7782-49-2	Selenium	16.5	U	~~WN~~ ~~J~~	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	29400			P	
7440-28-0	Thallium	1.5	U		F	
7440-62-2	Vanadium	4.0	U		P	
7440-66-6	Zinc	23.0			P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/93

Comments:

004

FORM I - IN ILM02.1

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X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QR4

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

Lab Code: SKINER Case No.: N212087,N&AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-03S

Level (low/med): LOW Date Received: 12/15/92

% 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	33.3	~~B~~ u		P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	18.5	U	~~N~~ J	F	R
7440-39-3	Barium	52.7	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	58500			P	
7440-47-3	Chromium	136			P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	40.5	B	~~E~~ J	P	
7439-92-1	Lead	2.3	B		F	
7439-95-4	Magnesium	11100			P	
7439-96-5	Manganese	22.7	u		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	4220	B		P	
7782-49-2.	Selenium	16.5	U	~~WN~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	18600			P	
7440-28-0	Thallium	1.5	U		F	
7440-62-2	Vanadium	4.0	U		P	
7440-66-6	Zinc	27.6			P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: 6/16/93

Comments:

005

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WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QR9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-04S

Level (low/med): LOW Date Received: 12/15/92

% 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	39.3	~~B~~ U		P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	18.5	U	~~N~~ J	F	R
7440-39-3	Barium	28.6	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	36000			P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	35.8	B	~~E~~ J	P	
7439-92-1	Lead	1.4	B		F	
7439-95-4	Magnesium	9840			P	
7439-96-5	Manganese	3.8	~~B~~ U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	4940	B		P	
7782-49-2	Selenium	16.5	U	~~N~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	13200			P	
7440-28-0	Thallium	1.5	U		F	
7440-62-2	Vanadium	14.5	B		P	
7440-66-6	Zinc	5.9	~~B~~ U		P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/93

Comments:

006

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WESTINGHOUSE/HANFORD
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SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QS4

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-05S

Level (low/med): LOW Date Received: 12/15/92

% 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	42.2	~~B~~ U		P	
7440-36-0	Antimony	28.1	B		P	
7440-38-2	Arsenic	3.7	U	~~WN~~ J	F	R
7440-39-3	Barium	54.2	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	65100			P	
7440-47-3	Chromium	1950			P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	39.9	B	~~E~~ J	P	
7439-92-1	Lead	2.0	B		F	
7439-95-4	Magnesium	16200			P	
7439-96-5	Manganese	59.7			P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	6090			P	
7782-49-2	Selenium	16.5	U	~~WN~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	14400			P	
7440-28-0	Thallium	1.5	U	~~W~~ J	F	
7440-62-2	Vanadium	12.4	B		P	
7440-66-6	Zinc	25.7			P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: YELLOW Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts: 6/16/93

Comments:

007

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X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QS9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-02S

Level (low/med): LOW Date Received: 12/15/92

% 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	25.1	~~B~~ U		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	3.7	U	~~N~~	F R
7440-39-3	Barium	22.6	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	35700			P
7440-47-3	Chromium	111			P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	~~3.7~~	~~U~~	~~E~~	P
7439-92-1	Lead	3.1 ~~3.7~~		MW J	P
7439-95-4	Magnesium	7570			P
7439-96-5	Manganese	3.8	~~B~~ U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	3500	B		P
7782-49-2	Selenium	16.5	U	~~N~~ J	F R
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	8450			P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	12.8	B		P
7440-66-6	Zinc	13.1	~~B~~ U		P
	Cyanide	10.0	U	~~N~~ J	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/

Comments:

008

FORM I - IN ILM02.1

9613490.2656

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QT9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-11S

Level (low/med): LOW Date Received: 12/16/92

% 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	21.2	U		P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	4.0	B	~~WN~~ J	F	R
7440-39-3	Barium	22.6	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	43000			P	
7440-47-3	Chromium	63.1			P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	5.6	B		P	
7439-89-6	Iron	334		~~E~~ J	P	
7439-92-1	Lead	3.7			F	
7439-95-4	Magnesium	11100			P	
7439-96-5	Manganese	9.2	~~B~~ U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	5190			P	
7782-49-2	Selenium	16.5	U	~~WN~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	14900			P	
7440-28-0	Thallium	1.5	U	W J	F	
7440-62-2	Vanadium	19.1	B		P	
7440-66-6	Zinc	3.9	~~B~~ U		P	
	Cyanide	10.0	U	N J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/93

Comments:

009

FORM I - IN ILM02.1

X0208

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER: B07QW4

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-06S

Level (low/med): LOW Date Received: 12/15/92

% 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	30.1	~~B~~ U		P	
7440-36-0	Antimony	20.2	B		P	
7440-38-2	Arsenic	3.8	B	~~WN~~ J	F	R
7440-39-3	Barium	13.5	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	37600			P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	3.7	U	~~E~~ J	P	
7439-92-1	Lead	2.3	B		F	
7439-95-4	Magnesium	11100			P	
7439-96-5	Manganese	3.4	~~B~~ U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	5800			P	
7782-49-2.	Selenium	16.5	U	~~N~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	21300			P	
7440-28-0	Thallium	1.5	U	~~W~~ J	F	
7440-62-2	Vanadium	16.9	B		P	
7440-66-6	Zinc	48.1			P	
	Cyanide	10.0	U	~~N~~ J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: 6/14/93

Comments:

010

9613490.2658

X02084

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QX9

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

Lab Code: SKINER Case No.: N212087,NSAS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-07S

Level (low/med): LOW Date Received: 12/15/92

% 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	21.2	U		P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	3.7	U	N J	F	R
7440-39-3	Barium	2.4	U		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.4	U		P	
7440-70-2	Calcium	29.0	B		P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	3.7	U	E J	P	
7439-92-1	Lead	2.9	B		F	
7439-95-4	Magnesium	65.6	U		P	
7439-96-5	Manganese	4.2	~~B~~ U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	124	U		P	
7782-49-2	Selenium	3.3	U	N J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	72.1	~~B~~ U		P	
7440-28-0	Thallium	1.5	U		F	
7440-62-2	Vanadium	4.0	U		P	
7440-66-6	Zinc	3.3	~~B~~ U		P	
	Cyanide	10.0	U	N J	CA	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

6/16/93

011

9613490.2659

X02084

WESTINGHOUSE/HANFORD
1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NUMBER:

B07QZ9

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

Lab Code: SKINER Case No.: N212087,N8AS No.: SDG No.: B07QN9

Matrix (soil/water): WATER Lab Sample ID: 12213-08S

Level (low/med): LOW Date Received: 12/15/92

% 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	479			P	
7440-36-0	Antimony	19.0	U		P	
7440-38-2	Arsenic	3.7	U	~~WN~~ J	F	R
7440-39-3	Barium	16.6	B		P	
7440-41-7	Beryllium	0.90	U		P	
7440-43-9	Cadmium	1.5	B		P	
7440-70-2	Calcium	35200			P	
7440-47-3	Chromium	4.2	U		P	
7440-48-4	Cobalt	3.2	U		P	
7440-50-8	Copper	4.9	U		P	
7439-89-6	Iron	293		E J	P	
7439-92-1	Lead	2.4	B		F	
7439-95-4	Magnesium	10600			P	
7439-96-5	Manganese	26.5	U		P	
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	5.4	U		P	
7440-09-7	Potassium	6240			P	
7782-49-2	Selenium	16.5	U	~~WN~~ J	F	R
7440-22-4	Silver	4.6	U		P	
7440-23-5	Sodium	21700			P	
7440-28-0	Thallium	1.5	U	W J	F	
7440-62-2	Vanadium	21.1	B		P	
7440-66-6	Zinc	19.1	~~B~~ U		P	
	Cyanide	10.0	U	~~N~~ J	CA	

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

6/16/93

omments:

012

9613490.2660

X02084

000011

TRA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B079P9 FRACTION 016 TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	3.0	mg/L	0.2	(J)
Fluoride	300.0	0.3	mg/L	0.1	(J)
Phosphate	300.0	<0.4	mg/L	0.4	(J) (R)
pH	150.1	8.0	pH	0.1	(J)
Sulfate	300.0	25	mg/L	1	J)
Elect. Conductivity	120.1	247	umho/cm	6	

FORM I

6/16/93 SC

9613490.2661

X02084

TMA Inc. REPORT

Work Order # A2-12-052

Received: 12/15/92

Results by Sample

000012

SAMPLE ID B07QP9 FRACTION 01I TEST CODE WCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	89	mg/L	2	R
Tot. Dissolved Solids	160.1	132	mg/L	5	R

FORM I

6/14/93 SC

9613490.2662

X02081

TRA Inc. REPORT

Work Order 000013

Received: 12/15/92

Results by Sample

SAMPLE ID 8079P9 FRACTION 01K TEST CODE VCCLPL NAME Anions & Wet Chem. - VR043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

R

FORM I

6/16/93 SC

9613490.2663

X02084 000014

TRA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07QP9 FRACTION 01M TEST CODE VCCLPL NAME Anions & Wet Chem. - VB043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ
COD	410.0	<5	mg/L	5	UJ

FORM I

6/16/95 SC

9613490.2664

X02084 000015

TRA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07004 FRACTION 03E TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	4.3	mg/L	0.2	J
Fluoride	300.0	0.5	mg/L	0.1	J
Phosphate	300.0	<0.4	mg/L	0.4	(J) (R)
pH	150.1	8.0	pH	0.1	J
Sulfate	300.0	33	mg/L	1	J
Elect. Conductivity	120.1	366	umho/cm	6	

FORM I

6/16/93 SC

9613490.2665

X02084 000016

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID 897904 FRACTION 036 TEST CODE 1*p+1XWCCLPL NAME Anions & Wet Chem. - W

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	147	mg/L	2	R
Tot. Dissolved Solids	160.1	200	mg/L	5	R

FORM I

6/16/93 SC

9613490.2666

X02084 000017

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07994 FRACTION 03H TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

FORM I

6/16/93 JC

9613490.2667

X02084 000018

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07004 FRACTION 03J TEST CODE WCCLPL NAME Anions & Wet Chem. - WB043

Date & Time Collected 12/11/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ
COD	410.0	<5	mg/L	5	UJ

FORM I

6/16/93 SC

9613490.2668

X02084 00001

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07QT9 FRACTION 05C TEST CODE VCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/12/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Chloride	300.0	7.5	mg/L	0.2	J
Fluoride	300.0	0.4	mg/L	0.1	J
Phosphate	300.0	<0.4	mg/L	0.4	J (R)
pH	150.1	8.0	pH	0.1	J
Sulfate	300.0	43	mg/L	1	J
Elect. Conductivity	120.1	363	umho/cm	6	

FORM I

6/16/93 SC

9613490.2669

X02084 000020

TNA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B079T9 FRACTION 05D TEST CODE WCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/12/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Alkalinity	310.1	118	mg/L	2	R
Tot. Dissolved Solids	160.1	219	mg/L	5	R

FORM I

5/16/93

9613490.2670

X02084 00002

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07QT9 FRACTION 05E TEST CODE WCCLPL NAME Anions & Wet Chem. - VR043

Date & Time Collected 12/12/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

R

FORM I

6/16/93 SC

9613490.2671 X02084 000022

TMA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID B07GT9 FRACTION 05F TEST CODE WCCLPL NAME Anions & Wet Chem. - WW043

Date & Time Collected 12/12/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ
COD	410.0	<5	mg/L	5	VJ

FORM I

6/16/93 SC

9613490.2672

X02084 000023

TRA Inc. REPORT Work Order # A2-12-052

Received: 12/15/92

Results by Sample

SAMPLE ID Wet Chemistry Blank FRACTION 07A TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected not specified Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	<0.2	mg/L	0.2
Fluoride	300.0	<0.1	mg/L	0.1
Phosphate	300.0	<0.4	mg/L	0.4
Sulfate	300.0	<1.0	mg/L	1

FORM I

6/10/93 SC

9613490.2673

X02084

000003

 Skinner&Sherman REPORT Work Order # S2-12-215

Received: 12/15/92 Results by Sample

SAMPLE ID B07QZ9 SAMPLE # 08 FRACTIONS: A
Date & Time Collected 12/08/92 Category WATER

NO3NO2 3.57
mg N/L

SAMPLE ID B07QP9 SAMPLE # 09 FRACTIONS: A
Date & Time Collected 12/12/92 Category WATER

NO3NO2 1.91
mg N/L

SAMPLE ID B07QQ6 SAMPLE # 10 FRACTIONS: A
Date & Time Collected 12/12/92 Category WATER

NO3NO2 2.27
mg N/L

SAMPLE ID B07QT9 SAMPLE # 11 FRACTIONS: A
Date & Time Collected 12/12/92 Category WATER

NO3NO2 2.67
mg N/L

6/16
JC

SAMPLE ID B07QT9 DUPL SAMPLE # 11 FRACTIONS: B
Date & Time Collected 12/12/92 Category WATER

NO3NO2 2.70
mg N/L

SAMPLE ID B07QT9 SPIKE SAMPLE # 11 FRACTIONS: C
Date & Time Collected 12/12/92 Category WATER

NO3NO2 4.64
mg N/L

SAMPLE ID LCSW SAMPLE # 12 FRACTIONS: A
Date & Time Collected not specified Category WATER

NO3NO2 2.02
mg N/L

TMA
Thermo Analytical Inc.
Skinner & Sherman Laboratories Inc.
This report is tendered upon all of the following conditions: Skinner & Sherman Laboratories, Inc. retains ownership of this report until all associated submitted invoice is s
Expert testimony services shall be available in conjunction with this report only if prior notification of this potential requirement was made and accepted, before the analysis
will be responsible for Skinner & Sherman costs and consulting fees if any services are required by subpoena or otherwise in legal proceedings. Total liability is limited to the
contrary. The results listed refer only to tested samples and applicable parameters. Product endorsement is neither inferred nor implied. Skinner & Sherman Laboratories, I
provide due diligence but will not be responsible for lost or destroyed samples or evidence unless either under appropriate insurance coverage arrangements. Samples are
Skinner & Sherman Laboratories Inc. 300 Second Avenue, P.O. Box 521, Waltham, Massachusetts 02254-0521 (617) 890-720
1-800-4LAB TEST FAX (617) 890-3883

9613490.2674

X02084

000002

 Skinner&Sherman REPORT Work Order # S2-12-215

Received: 12/15/92 Results by Sample

SAMPLE ID B079M9 SAMPLE # 01 FRACTIONS: A
Date & Time Collected 12/10/92 Category WATER

NO3NO2 22.6
mg N/L

SAMPLE ID B079S9 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 12/10/92 Category WATER

NO3NO2 1.21
mg N/L

SAMPLE ID B079R4 SAMPLE # 03 FRACTIONS: A
Date & Time Collected 12/09/92 Category WATER

NO3NO2 5.30
mg N/L

SAMPLE ID B079R9 SAMPLE # 04 FRACTIONS: A
Date & Time Collected 12/09/92 Category WATER

NO3NO2 1.85
mg N/L

SAMPLE ID B079S4 SAMPLE # 05 FRACTIONS: A
Date & Time Collected 12/09/92 Category WATER

NO3NO2 3.62
mg N/L

SAMPLE ID B079W4 SAMPLE # 06 FRACTIONS: A
Date & Time Collected 12/08/92 Category WATER

NO3NO2 7.45
mg N/L

SAMPLE ID B079X9 SAMPLE # 07 FRACTIONS: A
Date & Time Collected 12/09/92 Category WATER

NO3NO2 <0.25
mg N/L

TMA
Thermo Analytical Inc.
Skinner & Sherman Laboratories Inc.
This report is tendered upon all of the following conditions: Skinner & Sherman Laboratories, Inc. retains ownership of this report until associated submitted invoice is s
Expert witness services shall be available in conjunction with this report only if prior notification of this potential requirement was made and accepted, before the analysis
will be responsible for Skinner & Sherman court and consulting fees if our services are required by subpoena or otherwise in legal proceedings. Total liability is limited to the
amount. The results listed refer only to tested samples and applicable parameters. Product endorsement is neither inferred nor implied. Skinner & Sherman Laboratories,
exercise due diligence but will not be responsible for lost or destroyed samples or evidence unless client makes appropriate insurance coverage arrangements. Samples are
ninety days following issuance of report. Samples will be stored at client's expense, if authorized in writing.
300 Second Avenue, P.O. Box 521, Waltham, Massachusetts 02254-0521 (617) 890-720

9613490.2675

N212081-01

TMA NORCAL
REPORTING GROUP 7139

DATA SHEET

B07QP9

SDG 7139
Contact Dinkar Kharkar

Client Westinghouse Hanford
Contract MBH-SVV-069262

Lab sample id N212081-01
Dept sample id 7139-001
Received 12/15/92

Client sample id B07QP9
Matrix WATER
Collected 12/11/92
Chain of custody id EFL-1049

PARAMETER	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI-FIERS	TEST
Gross Alpha	Alpha	0.45	1.4	2	3	U	80A
Gross Beta	Beta	10	1.7	2	4		80B
Uranium 233/234		0.52	0.15	0.08	0.2		U
Uranium 235	15117-96-1	0	0.025	0.1	0.2	~~U~~ R	U
Uranium 238	7440-61-1	0.39	0.13	0.08	0.2		U
Plutonium 238	13981-16-3	-0.004	0.022	0.05	0.05	U	PU
Plutonium 239/240		-0.007	0.007	0.04	0.05	U	PU
Americium 241	14596-10-2	0.017	0.019	0.03	0.05	U	AM
Strontium 90	10098-97-2	1.6	0.34	0.8	2	~~J~~ R	Y
Technetium 99	14133-76-7	8.8	1.9	4	5		TC
Tritium	10028-17-8	2300	260	300	400		H
Carbon 14	14762-75-5	440	38	50	50		C
GAMMA SCAN ANALYTES							
Potassium 40	13966-00-2	U		100		U	GAM
Iron 59	14596-12-4	U		60	30	U	GAM
Chromium 51	14392-02-0	U		400		U	GAM
Cobalt 60	10198-40-0	U		10	30	U	GAM
Zinc 65	13982-39-3	U		30		U	GAM
Ruthenium 106	13967-48-1	U		100		U	GAM
Cesium 134	13967-70-9	U		10		U	GAM
Cesium 137	10045-97-3	U		10	20	U	GAM
Europium 152	14683-23-9	U		20	40	U	GAM
Europium 154	15585-10-1	U		10	40	U	GAM
Radium 226	13982-63-3	U		20		U	GAM
Thorium 228	14274-82-9	U		20		U	GAM
Thorium 232	7440-29-1	U		50		U	GAM

RB 6/16/93

Lab id TMAN
Protocol WHC-HEIS
Version Ver 1.0
Form DVD-DS
Version 2.23
Report date 03/24/93

9613490.2676

N212081-02

TMA NORCAL
REPORTING GROUP 7139

DATA SHEET

B07QQ4

SDG 7139
Contact Dinkar Kharkar

Client Westinghouse Hanford
Contract MBH-SVV-069262

Lab sample id N212081-02
Dept sample id 7139-002
Received 12/15/92

Client sample id B07QQ4
Matrix WATER
Collected 12/11/92
Chain of custody id EFL-1049

PARAMETER	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI-FIERS	TEST
Gross Alpha	Alpha	1.5	1.9	3	3	U	80A
Gross Beta	Beta	7.4	1.6	2	4		80B
Uranium 233/234		1.8	0.40	0.1	0.2		U
Uranium 235	15117-96-1	0.074	0.075	0.1	0.2	~~U~~ R	U
Uranium 238	7440-61-1	0.87	0.27	0.1	0.2		U
Plutonium 238	13981-16-3	-0.020	0.023	0.06	0.05	U	PU
Plutonium 239/240		-0.008	0.008	0.04	0.05	U	PU
Americium 241	14596-10-2	0.004	0.019	0.03	0.05	U	AM
Strontium 90	10098-97-2	-0.28	0.29	0.8	2	~~U~~ R	Y
Technetium 99	14133-76-7	1.9	3.9	10	5	~~U~~ R	TC
Tritium	10028-17-8	-95	170	300	400	U	H
Carbon 14	14762-75-5	-69	45	80	50	U	C
GAMMA SCAN ANALYTES							
Potassium 40	13966-00-2	U		200		U	GAM
Iron 59	14596-12-4	U		50	30	U	GAM
Chromium 51	14392-02-0	U		500		U	GAM
Cobalt 60	10198-40-0	U		10	30	U	GAM
Zinc 65	13982-39-3	U		30		U	GAM
Ruthenium 106	13967-48-1	U		100		U	GAM
Cesium 134	13967-70-9	U		10		U	GAM
Cesium 137	10045-97-3	U		10	20	U	GAM
Europium 152	14683-23-9	U		20	40	U	GAM
Europium 154	15585-10-1	U		10	40	U	GAM
Radium 226	13982-63-3	U		20		U	GAM
Thorium 228	14274-82-9	U		20		U	GAM
Thorium 232	7440-29-1	U		40		U	GAM

RB 6/16/93

Lab id TMAN
Protocol WHC-HEIS
Version Ver 1.0
Form DVD-DS
Version 2.23
Report date 03/24/93

9613490.2677

N212081-03

TMA NORCAL
REPORTING GROUP 7139

DATA SHEET

B07QT9

SDG 7139
Contact Dinkar Kharkar

Client Westinghouse Hanford
Contract MBH-SVV-069262

Lab sample id N212081-03
Dept sample id 7139-003
Received 12/15/92

Client sample id B07QT9
Matrix WATER
Collected 12/12/92
Chain of custody id EFL-1049

PARAMETER	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI-FIERS	TEST
Gross Alpha	Alpha	1.3	1.9	3	3	U	80A
Gross Beta	Beta	5.6	1.5	2	4		80B
Uranium 233/234		0.93	0.21	0.08	0.2		U
Uranium 235	15117-96-1	0.013	0.051	0.1	0.2	~~U~~R	U
Uranium 238	7440-61-1	0.82	0.21	0.08	0.2		U
Plutonium 238	13981-16-3	0.003	0.015	0.03	0.05	U	PU
Plutonium 239/240		0	0.005	0.02	0.05	U	PU
Americium 241	14596-10-2	-0.004	0.015	0.03	0.05	U	AM
Strontium 90	10098-97-2	-0.13	2.0	0.9	2	~~U~~R	Y
Technetium 99	14133-76-7	2.0	1.4	3	5	U	TC
Tritium	10028-17-8	3600	290	300	400		H
Carbon 14	14762-75-5	690	49	60	50		C
GAMMA SCAN ANALYTES							
Potassium 40	13966-00-2	U		200		U	GAM
Iron 59	14596-12-4	U		70	30	U	GAM
Chromium 51	14392-02-0	U		500		U	GAM
Cobalt 60	10198-40-0	U		20	30	U	GAM
Zinc 65	13982-39-3	U		30		U	GAM
Ruthenium 106	13967-48-1	U		100		U	GAM
Cesium 134	13967-70-9	U		10		U	GAM
Cesium 137	10045-97-3	U		10	20	U	GAM
Europium 152	14683-23-9	U		20	40	U	GAM
Europium 154	15585-10-1	U		20	40	U	GAM
Radium 226	13982-63-3	U		30		U	GAM
Thorium 228	14274-82-9	U		20		U	GAM
Thorium 232	7440-29-1	U		50		U	GAM

RB 6/16/93

Lab id TMAN
Protocol WHC-HEIS
Version Ver 1.0
Form DVD-DS
Version 2.23
Report date 03/24/93

9613490.2678

N212081-04

TMA NORCAL
REPORTING GROUP 7139

DATA SHEET

B07QY4

SDG 7139
Contact Dinkar Kharkar
Client Westinghouse Hanford
Contract MBH-SVV-069262

Lab sample id N212081-04
Dept sample id 7139-004
Received 12/18/92
Client sample id B07QY4
Matrix WATER
Collected 12/15/92
Chain of custody id EFL-1055

PARAMETER	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI-FIERS	TEST
Gross Alpha	Alpha	0.65	1.8	3	3	U	80A
Gross Beta	Beta	-0.87	1.1	2	4	U	80B
Uranium 233/234		0.016	0.098	0.2	0.2	U	U
Uranium 235	15117-96-1	0.079	0.080	0.2	0.2	U	U
Uranium 238	7440-61-1	0	0.033	0.1	0.2	U	U
Plutonium 238	13981-16-3	0.031	0.039	0.06	0.05	U	PU
Plutonium 239/240		0.004	0.008	0.03	0.05	U	PU
Americium 241	14596-10-2	0.010	0.016	0.03	0.05	U	AM
Strontium 90	10098-97-2	-0.32	1.7	0.8	2	U	Y
Technetium 99	14133-76-7	2.2	1.7	3	5	U	TC
Tritium	10028-17-8	-72	170	300	400	U	H
Carbon 14	14762-75-5	-63	37	60	50	U	C
GAMMA SCAN ANALYTES							
Potassium 40	13966-00-2	U		200		U	GAM
Iron 59	14596-12-4	U		70	30	U	GAM
Chromium 51	14392-02-0	U		500		U	GAM
Cobalt 60	10198-40-0	U		10	30	U	GAM
Zinc 65	13982-39-3	U		30		U	GAM
Ruthenium 106	13967-48-1	U		100		U	GAM
Cesium 134	13967-70-9	U		10		U	GAM
Cesium 137	10045-97-3	U		10	20	U	GAM
Europium 152	14683-23-9	U		20	40	U	GAM
Europium 154	15585-10-1	U		10	40	U	GAM
Radium 226	13982-63-3	U		20		U	GAM
Thorium 228	14274-82-9	U		20		U	GAM
Thorium 232	7440-29-1	U		60		U	GAM

AB 6/16/93

Lab id TMAN
Protocol WHC-HEIS
Version Ver 1.0
Form DVD-DS
Version 2.23
Report date 03/24/93

XO-2103 9613490.2679

000005
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

B07QY4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21222R04

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: PACK ID: 2.00 (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

NV 6/23/93 SC

9613490.2680

000006

EPA SAMPLE NO.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QY4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21222R04

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: PACK ID: 2.00 (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 6/23/93 SC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QY6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21222R07

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

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

NV 6/23/93 SC

9613490.2682

000008

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QY6

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21222R07

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: PACK ID: 2.00 (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 6/23/93 SC

9613490.2683

000009

EPA SAMPLE NO.

B07QY4

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 30121N05

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/21/93

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

NV 6/23/93 SC

9613490.2684

000010

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QY4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 30121N05

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/21/93

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

NV 6/23/93

9613490.2685

000011
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B07QY4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 30121N05

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/21/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	3.65	11	BJ

NV 6/23/93 SC

9613490.2686

000012

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QY4

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12066 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212066-01D

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/07/93

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

NV 6/23/93 SC

9613490.2687

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QY4

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

Lab Code: SKINER Case No.: N2-12-118SAS No.: SDG No.: B07QY4

Matrix (soil/water): WATER Lab Sample ID: 12331-01S

Level (low/med): LOW Date Received: 12/19/92

% 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	21.5	B		P
7440-36-0	Antimony	19.0	U		P
7440-38-2	Arsenic	3.9	U		F
7440-39-3	Barium	3.0	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	18.1	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	4.9	U		P
7439-89-6	Iron	10.3	B		P
7439-92-1	Lead	1.9	B		F
7439-95-4	Magnesium	65.6	U		P
7439-96-5	Manganese	1.7	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.4	U		P
7440-09-7	Potassium	124	U		P
7782-49-2	Selenium	3.1	U		F
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium	40.7	B		P
7440-28-0	Thallium	2.6	U		F
7440-62-2	Vanadium	4.0	U		P
7440-66-6	Zinc	5.3	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

002

NV 6/23/93 SC

9613490.2688

WESTINGHOUSE/HANFORD
1

SAMPLE NUMBER:

INORGANIC ANALYSIS DATA SHEET

B07QY5

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

Lab Code: SKINER Case No.: N2-12-118SAS No.: SDG No.: B07QY5

Matrix (soil/water): WATER Lab Sample ID: 12332-01S

Level (low/med): LOW Date Received: 12/19/92

% 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	27.0	U		P
7440-36-0	Antimony	18.4	U		P
7440-38-2	Arsenic	3.7	U		F
7440-39-3	Barium	1.0	U		P
7440-41-7	Beryllium	0.50	U		P
7440-43-9	Cadmium	1.6	U		P
7440-70-2	Calcium	117	B		P
7440-47-3	Chromium	2.7	U		P
7440-48-4	Cobalt	2.5	U		P
7440-50-8	Copper	2.9	U		P
7439-89-6	Iron	56.0	B		P
7439-92-1	Lead	1.9	B		F
7439-95-4	Magnesium	26.1	B		P
7439-96-5	Manganese	2.7	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	116	U		P
7782-49-2	Selenium	3.3	U	W	F
7440-22-4	Silver	3.9	U		P
7440-23-5	Sodium	123	B		P
7440-28-0	Thallium	2.6	U	W	F
7440-62-2	Vanadium	2.5	U		P
7440-66-6	Zinc	16.9	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

0

NV 6/23/93 SC

FORM I - IN ILM02.1

9613490.2689

000013

TMA Inc. REPORT Work Order # A2-12-066

Received: 12/18/92

Results by Sample

SAMPLE ID B07QY4 FRACTION 01G TEST CODE VCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/15/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	<0.2	mg/L	0.2
Fluoride	300.0	<0.1	mg/L	0.1
Phosphate	300.0	<0.4	mg/L	0.4
pH	150.1	6.3	pH	0.1
Sulfate	300.0	<1.0	mg/L	1
Elect. Conductivity	120.1	<6	umho/cm	6

FORM I

NV

6/23/93 SC

TNA Inc. REPORT Work Order # A2-12-066

Received: 12/18/92 Results by Sample

SAMPLE ID B079Y4 FRACTION 01J TEST CODE WCCLPL NAME Anions & Wet Chem. - WN043

Date & Time Collected 12/15/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

FORM I

NV
6/23/93 SC

TMA Inc. REPORT Work Order # A2-12-066

Received: 12/18/92

Results by Sample

SAMPLE ID B07QY4 FRACTION 01L TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/15/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

FORM I

NV
6/23/93SC

9613490.2692

000016

TMA Inc. REPORT Work Order # A2-12-066

Received: 12/18/92

Results by Sample

SAMPLE ID B07QY4 FRACTION 010 TEST CODE VCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/15/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05
COD	410.0	<5	mg/L	5

FORM I

NV 6/23/93 SC

9613490.2693

000002

 Skinner&Sherman REPORT Work Order # S2-12-333

Received: 12/19/92 Results by Sample

SAMPLE ID B07QY4 SAMPLE # 01 FRACTIONS: A
Date & Time Collected 12/15/92 Category WATER

NO3NO2 <0.25
mg N/L

SAMPLE ID B07QY4 DUPL SAMPLE # 01 FRACTIONS: B
Date & Time Collected 12/15/92 Category WATER

NO3NO2 <0.25
mg N/L

SAMPLE ID B07QY4 SPIKE SAMPLE # 01 FRACTIONS: C
Date & Time Collected 12/15/92 Category WATER

NO3NO2 0.17
mg N/L

SAMPLE ID LCSW SAMPLE # 02 FRACTIONS: A
Date & Time Collected not specified Category WATER

NO3NO2 2.01
mg N/L

NV 6/23/93 SC

TMA
Thermo Analytical Inc.
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Skinner & Sherman Laboratories Inc. 800 Second Avenue, P.O. Box 521, Waltham, Massachusetts 02254-0521 (617) 890-720
1-800-4 LAB TEST FAX (617) 890-3883

9613490.2694

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA 000005

B07QN9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217R03

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

GC Column: PACK ID: 2.00 (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	
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

6/15/93 SC

9613490.2695

000006

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QN9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217R03

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

GC Column: PACK ID: 2.00 (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

6/15/93 SC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QP1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21216R04

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/16/92

GC Column: PACK ID: 2.00 (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	UJ
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

Surrogate problem

6/15/93

9613490.2697

000008

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QP1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-02A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21216R04

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/16/92

GC Column: PACK ID: 2.00 (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

6/15/93 SC

9613490.2698

000009

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21216R13

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/16/92

GC Column: PACK ID: 2.00 (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

6/15/93 SC

9613490.2699

000010

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: B07QS9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21216R13

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/16/92

GC Column: PACK ID: 2.00 (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

6/15/93 SC

9613490.2700

000011

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QT1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217R08

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

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

6/15/93 SC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B07QT1

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-04A

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 21217R08

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec. ____ Date Analyzed: 12/17/92

GC Column: PACK ID: 2.00 (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

6/5/93 SC

9613490.2702

000013

EPA SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B07QN9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S06

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SI

9613490.2703

000014

EPA SAMPLE NO.

B07QN9

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S06

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SC

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B07QN9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S06

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SC

9613490.2705

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000016

B07QS9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S09

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: ____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SC

9613490.2706

000017

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S09

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SC

9613490.2707

000018

EPA SAMPLE NO.

B07QS9

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 21221S09

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/15/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

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

6/15/93 SC

9613490.2708

000019

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QN9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-01B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/14/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

6/15/93 SC

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07QS9

Lab Name: TMA/ARLI Contract: WHC

Lab Code: TMALA Case No.: 12045 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: A212045-03B

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/14/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/15/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/24/92

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

6/15/93 SC

9613490.2710

000010

Received: 12/14/92

TMA Inc. REPORT
Results by Sample

Work Order # A2-12-045

SAMPLE ID B07QM9 FRACTION 01E TEST CODE VCCLPL NAME Anions & Wet Chem. - VN043
Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	4.2 J	mg/L	0.2
Fluoride	300.0	0.3 J	mg/L	0.1
Phosphate	300.0	<0.4 RJ	mg/L	0.4
pH	150.1	8.0 J	pH	0.1
Sulfate	300.0	32 J	mg/L	1
Elect. Conductivity	120.1	467	umho/cm	6

FORM I

6/15/93 SC

TMA Inc. REPORT Work Order # A2-12-045

Received: 12/14/92

Results by Sample

SAMPLE ID B079N9 FRACTION 01G TEST CODE WCCLPL NAME Anions & Wet Chem. - WR043

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Alkalinity	310.1	106 R	mg/L	2
Tot. Dissolved Solids	160.1	335 R	mg/L	5

6/15/93 SC

FORM I

9613490.2712

TMA Inc. REPORT

Work Order # A2-12-045 000012

Received: 12/14/92

Results by Sample

SAMPLE ID B07GH9 FRACTION 01H TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

FORM I

6/15/93 SF

9613490.2713

000013

TMA Inc. REPORT Work Order # A2-12-045

Received: 12/14/92

Results by Sample

SAMPLE ID B07989 FRACTION 01J TEST CODE WCCLPL NAME Anions & Wet Chem. - VN043

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT	
Ammonia Nitrogen	350.3	<0.05	mg/L	0.05	UJ
COD	410.0	<5	mg/L	5	

FORM I

6/15/93 SC

TMA Inc. REPORT

Work Order # A2-12-045

Received: 12/14/92

Results by Sample

SAMPLE ID B07QS9 FRACTION 03E TEST CODE WCCLPL NAME Anions & Wet Chem. - VH043

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Chloride	300.0	3.7 J	mg/L	0.2
Fluoride	300.0	0.3 J	mg/L	0.1
Phosphate	300.0	<0.4 RJ	mg/L	0.4
pH	150.1	8.1 J	pH	0.1
Sulfate	300.0	32 J	mg/L	1
Elect. Conductivity	120.1	290	umho/cm	6

FORM I

6/15/93 SC

TMA Inc. REPORT Work Order # A2-12-845

Received: 12/14/92

Results by Sample

SAMPLE ID B07059 FRACTION 03G TEST CODE WCCLPL NAME Anions & Wet Chem. - WH043

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Alkalinity	310.1	95 R	mg/L	2
Tot. Dissolved Solids	160.1	183 R	mg/L	5

FORM I

6/15/93 [illegible]

000016

Page 13 TNA Inc. REPORT Work Order # A2-12-045
Received: 12/14/92 Results by Sample

SAMPLE ID B07G59 FRACTION 031 TEST CODE VCCLPL NAME Anions & Wet Chem. - VN045
Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

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

FORM I

BSD 7/15/93

00001

TMA Inc. REPORT Work Order # A2-12-045

Received: 12/14/92

Results by Sample

SAMPLE ID B07959 FRACTION 03K TEST CODE WCCLPL NAME Anions & Wet Chem. - VN04

Date & Time Collected 12/10/92 Category

ANIONS AND WET CHEMISTRY - LIQUIDS

ANALYSIS	METHOD	RESULT	UNITS	LIMIT
Ammonia Nitrogen	350.3	0.09	mg/L	0.05
COD	410.0	<5	mg/L	5

FORM I