

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Round 2

EWP01

MW-8

Lab Name: RECRA ENVIRON

Contract: 68D20035

Lab Code: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

Matrix: (soil/water) WATER

Lab Sample ID: B4044401

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: AP085

Level: (low/med) LOW

Date Received: 11/17/94

% Moisture: not dec.

Date Analyzed: 11/23/94

GC Column: DB-624 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
10061-02-6	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
10061-01-5	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

10 A

BJ4

Wd
12/15

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

EWP01 *MW-8*

Lab Name: RECRA ENVIRON

Contract: 68D20035

Lab Code: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

Matrix: (soil/water) WATER

Lab Sample ID: B4044401

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: AP085

Level: (low/med) LOW

Date Received: 11/17/94

% Moisture: not dec.

Date Analyzed: 11/23/94

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 124389	Carbon Dioxide	2.83	50	JN
2.	UNKNOWN C10H14 MW134	19.06	7	JN

MW-8

0002

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MEYY59

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY59

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.8	U		P
7440-36-0	Antimony	64.8			P
7440-38-2	Arsenic	3.9	B		P
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	86200			P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	2.7	B	J	P
7439-89-6	Iron	23.4	B	J	P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	39600			P
7439-96-5	Manganese	9.1	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	2520	B		P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	26200			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	7.2	B		P
7440-66-6	Zinc	2.3	U		P
	Cyanide	5.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

mw-8

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 22-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02S01

Field: 95NF02S01

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	B. L. Ju
Total Organic Carbon	3	(mg/L)	U	22-NOV-94	M. L. Z...
Residue, Non-Filterable(TSS)	20.2	(mg/L)		18-NOV-94	M. Z...

Reviewed by : Francis A. Aruanga 1/26/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWP02 MW-8
Duplicate

me: RECRA ENVIRON

Contract: 68D20035

de: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

: (soil/water) WATER

Lab Sample ID: B4044402

wt/vol: 5.0 (g/mL) ML

Lab File ID: AP080

(low/med) LOW

Date Received: 11/17/94

ture: not dec.

Date Analyzed: 11/23/94

umn: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

xtract 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 9	BJ 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
10061-02-6	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
10061-01-5	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

Wfw
12/15/94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWP02	<i>MW-8</i> <i>Duplicate</i>
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Site: RECRA ENVIRON

Contract: 68D20035

Site: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

Medium: (soil/water) WATER

Lab Sample ID: B4044402

Concentration: wt/vol: 5.0 (g/mL) ML

Lab File ID: AP080

Level: (low/med) LOW

Date Received: 11/17/94

Preservation: not dec.

Date Analyzed: 11/23/94

Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume:

Number of TICs found: 2

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

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
124-38-9	UNKNOWN	2.78	15	BJ u
	Carbon Dioxide	2.83	52	JN

not 12/1

2 TIC's found

MW-8 duplicate
0003

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEYY60

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY60

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.8	U		P
7440-36-0	Antimony	58.5	B		P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	85400			P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	5.2	B	J	P
7439-89-6	Iron	1290		J	P
7439-92-1	Lead	1.7	B	J	P
7439-95-4	Magnesium	39300			P
7439-96-5	Manganese	11.0	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	2330	B	J	P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	25600			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	7.0	B	J	P
7440-66-6	Zinc	9.8	B	J	P
	Cyanide	5.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 22-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02D01

Field: 95NF02D01

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	<u>B. L. [Signature]</u>
Total Organic Carbon	4	(mg/L)		22-NOV-94	<u>M. Knapp</u>
Residue, Non-Filterable(TSS)	39.8	(mg/L)		18-NOV-94	<u>M. Fletcher</u>

Reviewed by : Francis A. Averuzza 1/26/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWPO3

MW-8A

Name: RECRA ENVIRON

Contract: 68D20035

Code: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

Matrix: (soil/water) WATER

Lab Sample ID: B4044403

Concentration: 5.0 (g/mL) ML

Lab File ID: AP094

Level: (low/med) LOW

Date Received: 11/17/94

Temperature: not dec.

Date Analyzed: 11/23/94

Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

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
10061-02-6	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
10061-01-5	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

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12/15/94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWP03 <i>MW-8A</i>

ne: RECRA ENVIRON

Contract: 68D20035

ie: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

: (soil/water) WATER

Lab Sample ID: B4044403

wt/vol: 5.0 (g/mL) ML

Lab File ID: AP094

(low/med) LOW

Date Received: 11/17/94

ure: not dec.

Date Analyzed: 11/23/94

umn: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

tract Volume: (uL)

Soil Aliquot Volume:

TICS found: 1

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

1 TIC found

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
24389	Carbon Dioxide	2.86	24	BJN u

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MW-8A
U 004

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEYY61

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY61

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	44.4	B		P
7440-36-0	Antimony	25.5	U		P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	50.0	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	34400			P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	4.8	B	J	P
7439-89-6	Iron	56.2	B	J	P
7439-92-1	Lead	2.4	B	J	P
7439-95-4	Magnesium	14400			P
7439-96-5	Manganese	10.4	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	1930	B		P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	15000			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	6.8	B		P
7440-66-6	Zinc	2.3	U		P
	Cyanide	5.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW-8A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 16-DEC-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02S02

Field: 95NF02S02

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	B. Yu
Total Organic Carbon	4	(mg/L)		22-NOV-94	M. Knapp
Residue, Non-Filterable(TSS)	158	(mg/L)		18-NOV-94	M. Fletcher

Reviewed by : Francis A. Awanya 1/26/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8A
EWP06 FID BIK

Name: RECRA ENVIRON

Contract: 68D20035

Code: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

ix: (soil/water) WATER

Lab Sample ID: B4044406

le wt/vol: 5.0 (g/mL) ML

Lab File ID: AP096

l: (low/med) LOW

Date Received: 11/17/94

isture: not dec.

Date Analyzed: 11/23/94

olumn: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

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	98	B
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	13	
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
10061-02-6-----	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
10061-01-5-----	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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWP06	MW-8A FID BIK
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e: RECRA ENVIRON

Contract: 68D20035

e: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

(soil/water) WATER

Lab Sample ID: B4044406

wt/vol: 5.0 (g/mL) ML

Lab File ID: AP096

(low/med) LOW

Date Received: 11/17/94

ure: not dec.

Date Analyzed: 11/23/94

mn: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

tract Volume: (uL)

Soil Aliquot Volume: (uL)

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

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	2.78	28	J

MW-8A FID BIK
0007

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEYY64

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY64

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.8	U		P
7440-36-0	Antimony	25.5	U		P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	6.6	U		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	316	B		P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	3.8	B	J	P
7439-89-6	Iron	37.0	B	J	P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	54.1	B		P
7439-96-5	Manganese	2.4	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	279	B		P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	124	B		P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	2.3	U		P
	Cyanide	5.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MWBA FB

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 22-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02R02

Field: 95NF02R02

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	<u>B. Ljw -</u>
Total Organic Carbon	3	(mg/L)	U	22-NOV-94	<u>M. Knipp</u>
Residue, Non-Filterable(TSS)	5	(mg/L)	U	18-NOV-94	<u>M. Feltner</u>

Reviewed by : Francis A. Arwanya 1/26/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWP04 *MW-4B*

Site: RECRA ENVIRON

Contract: 68D20035

Site: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

(soil/water) WATER

Lab Sample ID: B4044404

Concentration: 5.0 (g/mL) ML

Lab File ID: AP082

Level: (low/med) LOW

Date Received: 11/17/94 *Round 2*

Interference: not dec.

Date Analyzed: 11/23/94

Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

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
10061-02-6	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
10061-01-5	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

10 ~~2~~ BJ 4

WATER
12/15/94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWP04 MW-4B

Site: RECRA ENVIRON

Contract: 68D20035

Site: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

(soil/water) WATER

Lab Sample ID: B4044404

wt/vol: 5.0 (g/mL) ML

Lab File ID: AP082

(low/med) LOW

Date Received: 11/17/94

Signature: not dec.

Date Analyzed: 11/23/94

Instrument: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.

Extract Volume: (uL)

Soil Aliquot Volume:

TICs found: 2

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

2 TICs found
MW-4B

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
24-38-9	UNKNOWN	2.83	22	BJL
	Carbon Dioxide	2.86	22	JN

uL
12/1

MW-4B

0005

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEYY62

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY62

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.8	U		P
7440-36-0	Antimony	42.8	B		P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	81.3	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	46800			P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	4.0	B	J	P
7439-89-6	Iron	28.0	B	J	P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	22300			P
7439-96-5	Manganese	86.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	3360	B		P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	29400			P
7440-28-0	Thallium	4.0	B		P
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	2.3	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW-4B

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 16-DEC-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02803

Field: 95NF02803

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	<u>B. L. J.</u>
Total Organic Carbon	5	(mg/L)		22-NOV-94	<u>McKinniff</u>
Residue, Non-Filterable(TSS)	328	(mg/L)		18-nov-94	<u>M. Fletcher</u>

Reviewed by : Francis A. Awanya 1/26/95

EPA RLIMS CRL - REGION V
 FINAL RESULTS REPORT
 Parameter:VOA

MUNICIPAL
 WELL

Sample organization: WDNR/HYDROSEARCH
 Sample Requestor: WDNR/Hydrosearch
 Facility: BETTER BRITE PLATING
 Matrix:GROUND Method:A624SAS.0

Sample Batch ID: 950015
 Account No: TFA301
 Sample ID: 95NF01835
 Units: ug/L

Date Collected:25-OCT-94
 Date Extracted:31-OCT-94

Date Received:26-OCT-94
 Date Analyzed:31-OCT-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: A. Gugliotta
 Team Leader: 3/2/94

EPA RLIMS CRL - REGION V
 FINAL RESULTS REPORT
 Parameter:VOA

Municipal Well
 Duplicate

Sample organization: WDNR/HYDROSEARCH
 Sample Requestor: WDNR/Hydrosearch
 Facility: BETTER BRITE PLATING
 Matrix:GROUND

Sample Batch ID: 950015
 Account No: TFA301
 Sample ID: 95NF01D35
 Units: ug/L

Date Collected: 25-OCT-94
 Date Extracted: 01-NOV-94

Date Received: 26-OCT-94
 Date Analyzed: 01-NOV-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	UJ
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: *Anthony Pugliese*
 Team Leader: *[Signature]*

MUNICIPAL WELL

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01835

Field: 95NF01835

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	B. Yun
Cyanide	5	(ug/L)	U	01-NOV-94	J. Rollin
Mercury	0.1	(ug/L)	U	02-NOV-94	J. Rollin

Reviewed by : Francis A. Awanya 12/21/94

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

*Municipal Well
 Duplicate*

Report produced on: 08-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01D35

Field: 95NF01D35

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	<i>B. L. Jones</i>
Cyanide	5	(ug/L)	U	01-NOV-94	<i>J. Rodin</i>
Mercury	0.1	(ug/L)	U	02-NOV-94	<i>J. Rodin</i>

Reviewed by : *Francis A. Anwar* *12/21/94*

Round 2

MW-109

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ86

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ86V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ86V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-109

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ86

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ86V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ86V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB86

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.02

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	106	B	J	P
7440-36-0	Antimony	11.8	B	J	P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	148	B	J E	P
7440-41-7	Beryllium	0.49	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	78400			P
7440-47-3	Chromium	1980			P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	5.9	B	J	P
7439-89-6	Iron	15.5	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	64200			P
7439-96-5	Manganese	10.2	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	5300			P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	26500			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	10.8	B	J	P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-109

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNr/HYDROSEARCH
Sample Requestor: WDNr/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S32

Field: 95NF01S32

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	2400	(ug/L)		26-OCT-94	B. Lyman
Total Organic Carbon	5.3	(mg/L)		26-OCT-94	M. E. Eber
Residue, Non-Filterable(TSS)	565	(mg/L)		27-OCT-94	M. Krupp

Reviewed by : Francis A. Awanga 12/21/94

MW-109 dup

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ87

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ87V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ87V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

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

MW-109

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ87

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ87V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ87V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB87

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.03

Level (low/med): LOW___ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	106	B	J	P
7440-36-0	Antimony	9.5	B	J	P
7440-38-2	Arsenic	5.2	B		P
7440-39-3	Barium	141	B	J E	P
7440-41-7	Beryllium	0.51	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	73700			P
7440-47-3	Chromium	1700			P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	5.1	B	J	P
7439-89-6	Iron	20.1	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	60800			P
7439-96-5	Manganese	32.6		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	5000	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	24900			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.7	B	J	P
7440-66-6	Zinc	8.2	B		P
	Cyanide	18.0			CA

Color Before: COLORLESS Clarity Before: CLEAR___ Texture: _____

Color After: COLORLESS Clarity After: CLEAR___ Artifacts: _____

Comments:

MW-109 dupl.

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01D32

Field: 95NF01D32

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	3100	(ug/L)		26-OCT-94	B. Ljun
Total Organic Carbon	5.0	(mg/L)		26-OCT-94	M. E. Fisher
Residue, Non-Filterable(TSS)	1490	(mg/L)		27-OCT-94	M. E. Fisher

Reviewed by : Francis A. Aruanga 12/21/94

MW-109A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ88

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ88V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ88V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	2	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

MW-109 A
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ88

Lab Name: ENCOTEC Contract: 68-D2-0012
Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
Matrix: (soil/water) WATER Lab Sample ID: EZQ88V
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ88V
Level: (low/med) LOW Date Received: 10/26/94
% Moisture: not dec. Date Analyzed: 10/28/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB88

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.04

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	262		J	P
7440-36-0	Antimony	3.5	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	56.8	B	J E	P
7440-41-7	Beryllium	0.48	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	25100			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	1.9	B	J	P
7439-89-6	Iron	121		J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	26000			P
7439-96-5	Manganese	68.8		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	2830	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	30900			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	2.4	B		P
7440-66-6	Zinc	6.2	U		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-109A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S33

Field: 95NF01S33

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	<i>B. L. Jun</i>
Total Organic Carbon	4.6	(mg/L)		26-OCT-94	<i>M. J. ...</i>
Residue, Non-Filterable(TSS)	39.9	(mg/L)		27-OCT-94	<i>McKuff</i>

Reviewed by : Francis A. Awanya 12/21/94

110-109B

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S29

Field: 95NF01S29

Collected: 24-OCT-94 /

Received: 25-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-OCT-94	B. L. Jr.

Reviewed by : Francis A. Awanya 12/21/94

Round 2

MW-111

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ76

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ76V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ76V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

MW-111

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ76

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ76V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ76V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

U.S. EPA - CLP

PAW-111
EPA SAMPLE NO.1
INORGANIC ANALYSES DATA SHEET

MEZB76

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.07

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	118	B	J	P
7440-36-0	Antimony	5.8	B	J	P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	157	B	J E	P
7440-41-7	Beryllium	0.73	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	86800			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	4.1	B	J	P
7439-89-6	Iron	28.9	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	63500			P
7439-96-5	Manganese	45.1		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	4250	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	21200			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.0	B	J	P
7440-66-6	Zinc	6.2	U		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-111

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S17

Field: 95NF01S17

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	B. C. Jue
Total Organic Carbon	3	(mg/L)	U	26-OCT-94	M. Fletcher
Residue, Non-Filterable(TSS)	130	(mg/L)		27-OCT-94	M. J. [Signature]

Reviewed by : Francis A. Awanya 12/21/94

MW-111 FID BIK

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ99

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ99V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ99V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-111 Fld.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ99

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ99V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ99V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

000015

U.S. EPA - CLP

MW-111 F/B/B/K

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MEZB99

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.06

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	121	B	J	P
7440-36-0	Antimony	5.8	B	J	P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	0.40	U	J E	P
7440-41-7	Beryllium	0.43	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	196	B	J	P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	24.2	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	44.6	B	J	P
7439-96-5	Manganese	1.8	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	63.7	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	306	B	J	P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	6.2	U		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-111 FB

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01R17

Field: 95NF01R17

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	B. L. [Signature]
Total Organic Carbon	3	(mg/L)	U	26-OCT-94	M. [Signature]
Residue, Non-Filterable(TSS)	5	(mg/L)	U	27-OCT-94	M. [Signature]

Reviewed by : Francis A. Awanya 12/21/94

Round 1

MW-8

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ58

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ58V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ58V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-8

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ58

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ58V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ58V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

U.S. EPA - CLP

MW-8

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MEZB58

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.09

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	117	B	J	P
7440-36-0	Antimony	4.3	B	J	P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	143	B	J E	P
7440-41-7	Beryllium	0.67	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	91900			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	2.7	B	J	P
7439-89-6	Iron	30.8	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	40700			P
7439-96-5	Manganese	26.4		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	2610	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	30700			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.6	B	J	P
7440-66-6	Zinc	10.0	B	J	P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-8

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S02

Field: 95NF01S02

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	<u>B. L. Jones</u>
Total Organic Carbon	3	(mg/L)	U	26-OCT-94	<u>M. Fletcher</u>
Residue, Non-Filterable(TSS)	22.8	(mg/L)		27-OCT-94	<u>M. L. Jones</u>

Reviewed by : Francis A. Awanya 12/21/94

MW-8A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ72

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ72V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ72V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	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

MW-8A

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ72

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ72V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ72V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB72

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.01

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	151	B	J	P
7440-36-0	Antimony	3.5	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	54.3	B	J E	P
7440-41-7	Beryllium	0.39	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	35100			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	5.1	B	J	P
7439-89-6	Iron	47.9	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	13900			P
7439-96-5	Manganese	21.3		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	1870	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	16400			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	6.2	U		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MU-8A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S13

Field: 95NF01S13

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	B. L. Jones
Total Organic Carbon	3.8	(mg/L)		26-OCT-94	M. F. Decker
Residue, Non-Filterable(TSS)	449	(mg/L)		27-OCT-94	M. Knapp

Reviewed by : Francis A. Averys 12/21/94

MW-112

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ77

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ77V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ77V
 Level: (low/med) LOW Date Received: 10/26/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MU-112
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ77

Lab Name: ENCOTEC Contract: 68-D2-0012
Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
Matrix: (soil/water) WATER Lab Sample ID: EZQ77V
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ77V
Level: (low/med) LOW Date Received: 10/26/94
% Moisture: not dec. Date Analyzed: 10/28/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB77

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9026.08

Level (low/med): LOW_ Date Received: 10/26/94

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	124	B	J	P
7440-36-0	Antimony	5.0	B	J	P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	133	B	J E	P
7440-41-7	Beryllium	0.70	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	79600			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	13.1	B		P
7439-89-6	Iron	26.5	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	45600			P
7439-96-5	Manganese	21.7		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.4	U		P
7440-09-7	Potassium	3360	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	23400			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.9	B	J	P
7440-66-6	Zinc	6.3	B	J	P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-11E

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S18

Field: 95NF01S18

Collected: 25-OCT-94 /

Received: 26-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-OCT-94	<u>B. Lyman</u>
Total Organic Carbon	3.1	(mg/L)		26-OCT-94	<u>M. Fletcher</u>
Residue, Non-Filterable(TSS)	5	(mg/L)	U	27-OCT-94	<u>M. Knapp</u>

Reviewed by : Francis A. Awanya 12/2/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWP05 *MW-112*

Site: RECRA ENVIRON

Contract: 68D20035

Mode: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

Matrix: (soil/water) WATER

Lab Sample ID: B4044405

Concentration: wt/vol: 5.0 (g/mL) ML

Lab File ID: AP095

Level: (low/med) LOW

Date Received: 11/17/94

Stability: not dec.

Date Analyzed: 11/23/94

Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

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 5	BJU
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
10061-02-6	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
10061-01-5	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

water
12/15/94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWP05 <i>MW-112</i>

Site: RECRA ENVIRON

Contract: 68D20035

Site: RECMD

Case No.: 22924

SAS No.:

SDG No.: EWP01

(soil/water) WATER

Lab Sample ID: B4044405

wt/vol: 5.0 (g/mL) ML

Lab File ID: AP095

(low/med) LOW

Date Received: 11/17/94

Temperature: not dec.

Date Analyzed: 11/23/94

Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume:

Number of TICs found: 1

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

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
124389	Carbon Dioxide	2.86	46	BJN 4

*46
12/1*

1 TIC found

MW-112

U.S. EPA - CLP

0008

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEYY63

Lab Name: ASSOCIATED LABORATORIES Contract: 68D20051

Lab Code: ALI Case No.: 22924 SAS No.: SDG No.: MEYY59

Matrix (soil/water): WATER Lab Sample ID: MEYY63

Level (low/med): LOW Date Received: 11/17/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.8	U		P
7440-36-0	Antimony	69.3			P
7440-38-2	Arsenic	4.6	B		P
7440-39-3	Barium	119	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.2	U		P
7440-70-2	Calcium	73900			P
7440-47-3	Chromium	2.5	U		P
7440-48-4	Cobalt	10.4	U		P
7440-50-8	Copper	4.0	B	J	P
7439-89-6	Iron	63.7	B	J	P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	46000			P
7439-96-5	Manganese	10.5	B	J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.6	U		P
7440-09-7	Potassium	2690	B		P
7782-49-2	Selenium	3.0	U	J*	P
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	20600			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	2.3	U		P
	Cyanide	5.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-112

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 16-DEC-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR
Laboratory: ESAT

Sample Batch ID: 950041
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF02S04

Field: 95NF02S04

Collected: 16-NOV-94 /

Received: 17-NOV-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	17-NOV-94	B. Ljun
Total Organic Carbon	3	(mg/L)	U	22-NOV-94	McKinnon
Residue, Non-Filterable(TSS)	348	(mg/L)		18-NOV-94	Dr. Fletcher

Reviewed by : Francis A. Aranya 1/26/95

MW-4B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ93

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ93V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ93V
 Level: (low/med) LOW Date Received: 10/25/94 Round 1
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-4B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ93

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22836 SAS No.: SDG No.: EZQ82
 Matrix: (soil/water) WATER Lab Sample ID: EZQ93V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ93V
 Level: (low/med) LOW Date Received: 10/25/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

MEZB93

Lab Name: AMERICAN_ANALYTICAL_____ Contract: 68-D3-0051

Lab Code: AATSLA Case No.: 22836_ SAS No.: _____ SDG No.: MEZB82

Matrix (soil/water): WATER Lab Sample ID: 9004.03

Level (low/med): LOW__ Date Received: 10/25/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	120	B	J	P
7440-36-0	Antimony	4.1	B	J	P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	79.1	B	J E	P
7440-41-7	Beryllium	0.76	B	J	P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	48700			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	10.3	B	J	P
7439-89-6	Iron	52.1	B	J	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	23300			P
7439-96-5	Manganese	103		J	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.6	B		P
7440-09-7	Potassium	3380	B		P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	32500			P
7440-28-0	Thallium	5.4	U		P
7440-62-2	Vanadium	1.5	B	J	P
7440-66-6	Zinc	9.8	B	J	P
	Cyanide	10.0	U		CA

Color Before: YELLOW__ Clarity Before: CLEAR__ Texture: _____

Color After: YELLOW__ Clarity After: CLEAR__ Artifacts: _____

Comments:

MU-4B

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 03-NOV-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: WDNR/Hydrosearch
Laboratory: ESAT

Sample Batch ID: 950015
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S36

Field: 95NF01S36

Collected: 24-OCT-94 /

Received: 25-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-OCT-94	B. L. J.
Total Organic Carbon	5.1	(mg/L)		26-OCT-94	M. T. Decker

Reviewed by : Francis A. Awanya 12/21/94

Round 2

MW-110

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ74

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ74V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ74V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10-2	BJu
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

ST 11/2

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ74

Lab Name: ENCOTEC	Contract: 68-D2-0012	
Lab Code: ENCOT	Case No.: 22798	SAS No.: SDG No.: EZQ63
Matrix: (soil/water) WATER		Lab Sample ID: EZQ74V
Sample wt/vol: 5.0 (g/mL) ML		Lab File ID: EZQ74V
Level: (low/med) LOW		Date Received: 10/20/94
% Moisture: not dec.		Date Analyzed: 10/28/94
GC Column: CAP	ID: 0.530 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-110

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB74

Lab Name: ITAS_ST._LOUIS Contract: 68D30049

Lab Code: ITMO Case No.: 22798 SAS No.: SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB74

Level (low/med): LOW Date Received: 10/20/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.2	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	252			P
7440-41-7	Beryllium	0.77	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	134000			P
7440-47-3	Chromium	3.4	U	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	31.8		J	P
7439-89-6	Iron	315		J	P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	177000			P
7439-96-5	Manganese	126		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	4250	B		P
7782-49-2	Selenium	2.7	B	J	P
7440-22-4	Silver	3.7	U	J	P
7440-23-5	Sodium	73000			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	18.5	B	J	P
7440-66-6	Zinc	16.5	B	J*	P
	Cyanide	1.2	U		AS

MP
12/17/94

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

176-110

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S15

Field: 95NF01S15

Collected: 19-OCT-94 /

Received: 20-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	20-OCT-94	<i>B. C. [unclear]</i>
Total Organic Carbon	3.2	(mg/L)		21-OCT-94	<i>M. [unclear]</i>
Residue, Non-Filterable(TSS)	6.3	(mg/L)		21-OCT-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 11/1/94

MW-110A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ75

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ75V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ75V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	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

10-4 BJU ST 11/29/94

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ75

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ75V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ75V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-110A

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB75

Lab Name: ITAS_ST._LOUIS Contract: 68D30049

Lab Code: ITMO Case No.: 22798 SAS No.: SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB75

Level (low/med): LOW Date Received: 10/20/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.9	U		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	117	B		P
7440-41-7	Beryllium	0.77	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	81600			P
7440-47-3	Chromium	3.4	U	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	29.2			P
7439-89-6	Iron	42.9	B	J	P
7439-92-1	Lead	0.80	U	J	P
7439-95-4	Magnesium	59500			P
7439-96-5	Manganese	35.8		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	3470	B		P
7782-49-2	Selenium	2.1	B	J	P
7440-22-4	Silver	3.7	U	J	P
7440-23-5	Sodium	50900			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	24.8	B	J	P
7440-66-6	Zinc	8.9	B	J*	P
	Cyanide	1.2	U	J	AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW-110A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S16

Field: 95NF01S16

Collected: 19-OCT-94 /

Received: 20-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	20-OCT-94	B. L. [Signature]
Total Organic Carbon	4.0	(mg/L)		21-OCT-94	M. F. [Signature]
Residue, Non-Filterable(TSS)	77.9	(mg/L)		21-OCT-94	M. Knopp [Signature]

Reviewed by : Francis A. Awanya 11/1/94

MW-108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

EZQ66

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ66V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ66V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ66

Lab Name: ENCOTEC Contract: 68-D2-0012
Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
Matrix: (soil/water) WATER Lab Sample ID: EZQ66V
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ66V
Level: (low/med) LOW Date Received: 10/20/94
% Moisture: not dec. Date Analyzed: 10/28/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-108

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB66

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22798_ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB66

Level (low/med): LOW__ Date Received: 10/20/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.9	U		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	145	B		P
7440-41-7	Beryllium	0.78	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	132000			P
7440-47-3	Chromium	3.4	U	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	20.0	B	J	P
7439-89-6	Iron	127		J	P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	58000		J	P
7439-96-5	Manganese	67.1		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	2330	B		P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	15100			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	21.1	B		P
7440-66-6	Zinc	14.5	B	J*	P
	Cyanide	14.5		J	AS

Color Before: COLORLESS Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS Clarity After: CLEAR__ Artifacts: _____

Comments:

MW-108

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S09

Field: 95NF01S09

Collected: 19-OCT-94 /

Received: 20-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	20-OCT-94	<i>[Signature]</i>
Total Organic Carbon	3	(mg/L)	U	21-OCT-94	<i>[Signature]</i>
Residue, Non-Filterable (TSS)	33.2	(mg/L)		21-OCT-94	<i>[Signature]</i>

Reviewed by : Francis A. Averaga 11/1/94

MW-108A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ67

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ67V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ67V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10-3	BJW
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	1	J
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

ST 11/29

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ67

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ63
 Matrix: (soil/water) WATER Lab Sample ID: EZQ67V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ67V
 Level: (low/med) LOW Date Received: 10/20/94
 % Moisture: not dec. Date Analyzed: 10/28/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB67

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22798_ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB67

Level (low/med): LOW__ Date Received: 10/20/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	42.8	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	43.6	B		P
7440-41-7	Beryllium	0.38	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	33300			P
7440-47-3	Chromium	3.4	U	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	27.9		J	P
7439-89-6	Iron	37.9	B	J	P
7439-92-1	Lead	0.80	U	J	P
7439-95-4	Magnesium	14300			P
7439-96-5	Manganese	132		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	2770	B		P
7782-49-2	Selenium	2.8	B	J	P
7440-22-4	Silver	3.7	U	J	P
7440-23-5	Sodium	30100			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	14.3	B		P
7440-66-6	Zinc	14.1	B	J*	P
	Cyanide	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS Clarity After: CLEAR__ Artifacts: _____

Comments:

MW-108A

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S10

Field: 95NF01S10

Collected: 19-OCT-94 /

Received: 20-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	20-OCT-94	<i>B.L. [unclear]</i>
Total Organic Carbon	6.2	(mg/L)		21-OCT-94	<i>[unclear]</i>
Residue, Non-Filterable(TSS)	5	(mg/L)	U	21-OCT-94	<i>[unclear]</i>

Reviewed by : Francis A. Arroyo 11/1/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9
EPA SAMPLE NO.

EZQ59

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ59V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ59V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94 *Round 2*
 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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

MW-9
 EPA SAMPLE NO.

EZQ59

Lab Name: ENCOTEC	Contract: 68-D2-0012	
Lab Code: ENCOT Case No.: 22798	SAS No.:	SDG No.: EZQ57
Matrix: (soil/water) WATER		Lab Sample ID: EZQ59V
Sample wt/vol: 5.0 (g/mL) ML		Lab File ID: EZQ59V
Level: (low/med) LOW		Date Received: 10/19/94
% Moisture: not dec.		Date Analyzed: 10/27/94
GC Column: CAP ID: 0.530 (mm)		Dilution Factor: 1.0
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

MW-9

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB59

Lab Name: ITAS_ST._LOUIS Contract: 68D30049

Lab Code: ITMO Case No.: 22798 SAS No.: SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB59

Level (low/med): LOW Date Received: 10/19/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.8	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	127	B		P
7440-41-7	Beryllium	0.46	B	J	P
7440-43-9	Cadmium	3.7	U		P
7440-70-2	Calcium	74400	-		P
7440-47-3	Chromium	442	-	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	28.6	-	J	P
7439-89-6	Iron	37.9	B	J	P
7439-92-1	Lead	0.80	U	J	P
7439-95-4	Magnesium	58800	-		P
7439-96-5	Manganese	6.1	B	J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	5170	-		P
7782-49-2	Selenium	4.9	B		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	31500	-		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	16.3	B	J	P
7440-66-6	Zinc	16.4	B	J*	P
	Cyanide	1.2	U	J	AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

11W-7

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01803

Field: 95NF01803

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	470	(ug/L)	J	19-OCT-94	<i>E.S. Lee</i>
Total Organic Carbon	8.8	(mg/L)		20-OCT-94	<i>M. Knapp</i>
Residue, Non-Filterable(TSS)	413	(mg/L)		20-OCT-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 11/1/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6
EPA SAMPLE NO.

EZQ78

Lab Name: ENCOTEC	Contract: 68-D2-0012	
Lab Code: ENCOT	Case No.: 22798	SAS No.:
Matrix: (soil/water) WATER		SDG No.: EZQ57
		Lab Sample ID: EZQ78V
Sample wt/vol: 5.0 (g/mL) ML		Lab File ID: EZQ78V
Level: (low/med) LOW		Date Received: <u>10/19/94</u> <i>Round 2</i>
% Moisture: not dec.		Date Analyzed: 10/27/94
GC Column: CAP	ID: 0.530 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-6
EPA SAMPLE NO.

EZQ78

Lab Name: ENCOTEC	Contract: 68-D2-0012	
Lab Code: ENCOT	Case No.: 22798	SAS No.:
Matrix: (soil/water) WATER		SDG No.: EZQ57
		Lab Sample ID: EZQ78V
Sample wt/vol: 5.0 (g/mL) ML		Lab File ID: EZQ78V
Level: (low/med) LOW		Date Received: 10/19/94
% Moisture: not dec.		Date Analyzed: 10/27/94
GC Column: CAP	ID: 0.530 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

MW-6

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB78

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22798_ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER

Lab Sample ID: MEZB78

Level (low/med): LOW__

Date Received: 10/19/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.9	U		P
7440-36-0	Antimony	617			P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	138	B		P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	41900		J	P
7440-48-4	Cobalt	18.5	B	J	P
7440-50-8	Copper	34.2		J	P
7439-89-6	Iron	59.2	B	J	P
7439-92-1	Lead	0.80	U	J	P
7439-95-4	Magnesium	56700			P
7439-96-5	Manganese	59.8		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	27.4	B		P
7440-09-7	Potassium	5840			P
7782-49-2	Selenium	6.0			P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	49500			P
7440-28-0	Thallium	12.2		J	P
7440-62-2	Vanadium	32.0	B	J	P
7440-66-6	Zinc	7.4	B	J*	P
	Cyanide	3.7	B	J	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-6

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S19

Field: 95NF01S19

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	47000	(ug/L)		19-OCT-94	<u>B. L. Lee</u>
Total Organic Carbon	4.2	(mg/L)		20-OCT-94	<u>M. F. Stok</u>
Residue, Non-Filterable(TSS)	7.8	(mg/L)		20-OCT-94	<u>M. Knopp</u>

Reviewed by : Francis A. Awanya 11/1/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6A

EPA SAMPLE NO.

EZQ80

Lab Name: ENCOTEC	Contract: 68-D2-0012	
Lab Code: ENCOT	Case No.: 22798	SAS No.:
Matrix: (soil/water) WATER		SDG No.: EZQ63
		Lab Sample ID: EZQ80V
Sample wt/vol: 5.0 (g/mL) ML	Lab File ID: EZQ80V	
Level: (low/med) LOW	Date Received: 10/20/94	
% Moisture: not dec.	Date Analyzed: 10/27/94	
GC Column: CAP	ID: 0.530 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ80

Lab Name: ENCOTEC	Contract: 68-D2-0012
Lab Code: ENCOT	SAS No.:
Case No.: 22798	SDG No.: EZQ63
Matrix: (soil/water) WATER	Lab Sample ID: EZQ80V
Sample wt/vol: 5.0 (g/mL) ML	Lab File ID: EZQ80V
Level: (low/med) LOW	Date Received: 10/20/94
% Moisture: not dec.	Date Analyzed: 10/27/94
GC Column: CAP	ID: 0.530 (mm)
	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2473-01-0	1-CHLORONONANE	23.40	4	JN

MW-6A

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB80

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049 _____

Lab Code: ITMO _____ Case No.: 22798 _____ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER _____ Lab Sample ID: MEZB80

Level (low/med): LOW _____ Date Received: 10/21/94

% Solids: _____ 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	90.7	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	55.9	B		P
7440-41-7	Beryllium	0.39	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	43600			P
7440-47-3	Chromium	3.4	U	J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	27.6		J	P
7439-89-6	Iron	91.2	B	J	P
7439-92-1	Lead	1.8	B	J	P
7439-95-4	Magnesium	22500		J	P
7439-96-5	Manganese	14.7	B	J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	1950	U		P
7782-49-2	Selenium	2.4	B	J	P
7440-22-4	Silver	3.7	U	J	P
7440-23-5	Sodium	47200		J	P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	14.8	B	J	P
7440-66-6	Zinc	23.6	B	J*	P
	Cyanide	1.2	U	J	AS

Color Before: COLORLESS _____ Clarity Before: CLEAR _____ Texture: _____

Color After: COLORLESS _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

17W-6A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01S21

Field: 95NF01S21

Collected: 19-OCT-94 /

Received: 20-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	20-OCT-94	<i>B. L. [unclear]</i>
Total Organic Carbon	6.4	(mg/L)		21-OCT-94	<i>M. [unclear]</i>
Residue, Non-Filterable(TSS)	1530	(mg/L)		21-OCT-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 11/1/94

Round 2

MW-4

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ68

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ68V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ68V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-4

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ68

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ68V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ68V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MEZB

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB68

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049 _____

Lab Code: ITMO _____ Case No.: 22798 _____ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER _____ Lab Sample ID: MEZB68

Level (low/med): LOW _____ Date Received: 10/19/94

% Solids: _____ 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30.5	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	181	B		P
7440-41-7	Beryllium	0.46	B	<i>J</i>	P
7440-43-9	Cadmium	3.7	U	<i>J</i>	P
7440-70-2	Calcium	168000			P
7440-47-3	Chromium	3.4	U	<i>J</i>	P
7440-48-4	Cobalt	3.2	U	<i>J</i>	P
7440-50-8	Copper	34.6		<i>J</i>	P
7439-89-6	Iron	90.8	B	<i>J</i>	P
7439-92-1	Lead	0.80	U	<i>J</i>	P
7439-95-4	Magnesium	97900			P
7439-96-5	Manganese	160			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	4980	B		P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	27400			P
7440-28-0	Thallium	6.8	B	<i>J</i>	P
7440-62-2	Vanadium	24.9	B	<i>J</i>	P
7440-66-6	Zinc	13.9	B	<i>J</i> *	P
	Cyanide	1.2	U	<i>J</i>	AS

Color Before: COLORLESS _____ Clarity Before: CLEAR _____ Texture: _____

Color After: COLORLESS _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

mw-4

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S11

Field: 95NF01S11

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U J	19-OCT-94	<i>B.L. Jno</i>
Total Organic Carbon	3	(mg/L)	U	20-OCT-94	<i>M. Knapf</i>
Residue, Non-Filterable(TSS)	5	(mg/L)	U	20-OCT-94	<i>M. Knapf</i>

Reviewed by : Francis A. Arwaya 11/1/94

EMERGENCY & REMEDIAL RESPONSE SECTION/
 DIVISION OF SOLID & HAZARDOUS WASTE

RECEIVED
 MAR 29 1995

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MCC. 4 dup.
EPA SAMPLE NO.

EZQ69

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ69V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ69V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

MW-4 Dept
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ69

Lab Name: ENCOTEC Contract: 68-D2-0012
Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
Matrix: (soil/water) WATER Lab Sample ID: EZQ69V
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ69V
Level: (low/med) LOW Date Received: 10/19/94
% Moisture: not dec. Date Analyzed: 10/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-4 duplicate

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB69

Lab Name: ITAS ST. LOUIS Contract: 68D30049

Lab Code: ITMO Case No.: 22798 SAS No.: SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB69

Level (low/med): LOW Date Received: 10/19/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.6	B		P
7440-36-0	Antimony	58.2	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	185	B		P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	3.7	U		P
7440-70-2	Calcium	167000			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	37.2			P
7439-89-6	Iron	70.0	B		P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	97000			P
7439-96-5	Manganese	123			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	4400	B		P
7782-49-2	Selenium	4.3	B		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	27100			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	25.5	B		P
7440-66-6	Zinc	26.0		*	P
	Cyanide	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW 4 dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01D11

Field: 95NF01D11

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U J	19-OCT-94	<i>[Signature]</i>
Total Organic Carbon	3.2	(mg/L)		20-OCT-94	<i>[Signature]</i>
Residue, Non-Filterable(TSS)	5.4	(mg/L)		20-OCT-94	<i>[Signature]</i>

Reviewed by : Francis A. Awanya 11/1/94

MW-4A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ61

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ61V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ61V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-4A

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ61

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ61V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ61V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-4A

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB61

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22798_ SAS No.: _____ SDG No.: MEZB61

Matrix (soil/water): WATER Lab Sample ID: MEZB61

Level (low/med): LOW__ Date Received: 10/19/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.2	B	J	P
7440-36-0	Antimony	57.5	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	120	B		P
7440-41-7	Beryllium	0.47	B	J	P
7440-43-9	Cadmium	3.7	U		P
7440-70-2	Calcium	160000			P
7440-47-3	Chromium	6.0	B		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	25.6			P
7439-89-6	Iron	112		J	P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	107000			P
7439-96-5	Manganese	258			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	3040	B	J	P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	32300			P
7440-28-0	Thallium	4.9	B		P
7440-62-2	Vanadium	25.9	B	J	P
7440-66-6	Zinc	20.3		J	P
	Cyanide	1.2	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-4A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 95NF01805

Field: 95NF01805

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U J	19-OCT-94	<i>[Signature]</i>
Total Organic Carbon	3	(mg/L)	U	20-OCT-94	<i>[Signature]</i>
Residue, Non-Filterable(TSS)	6.8	(mg/L)		20-OCT-94	<i>[Signature]</i>

Reviewed by : Francis A. Awanya 11/1/94

Round 2

MW. 7

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EZQ62

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ62V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ62V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

MW-7

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB62

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049__

Lab Code: ITMO__ Case No.: 22798_ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER Lab Sample ID: MEZB62

Level (low/med): LOW__ Date Received: 10/19/94

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.3	B	J	P
7440-36-0	Antimony	110			P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	0.46	B	J	P
7440-43-9	Cadmium	3.7	U	J	P
7440-70-2	Calcium	125000			P
7440-47-3	Chromium	36.4		J	P
7440-48-4	Cobalt	3.2	U	J	P
7440-50-8	Copper	24.9	B	J	P
7439-89-6	Iron	272		J	P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	68700			P
7439-96-5	Manganese	55.8		J	P
7439-97-6	Mercury	0.10	U	J	CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	4180	B		P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	21300			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	20.2	B	J	P
7440-66-6	Zinc	21.0		J*	P
	Cyanide	1.2	U	J	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-7

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S06

Field: 95NF01S06

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U J	19-OCT-94	<i>[Signature]</i>
Total Organic Carbon	3.4	(mg/L)		20-OCT-94	<i>[Signature]</i>
Residue, Non-Filterable(TSS)	244	(mg/L)		20-OCT-94	<i>[Signature]</i>

Reviewed by : Francis A. Awanya 11/1/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-7 Fld B1
EPA SAMPLE NO.

EZQ97

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ97V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ97V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

11/10/7 F-H B/K

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EZQ97

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ97V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ97V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-7 Fldbk

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB97

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049 _____

Lab Code: ITMO _____ Case No.: 22798 _____ SAS No.: _____ SDG No.: MEZB61

Matrix (soil/water): WATER _____ Lab Sample ID: MEZB97

Level (low/med): LOW _____ Date Received: 10/19/94

% Solids: _____ 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.9	U		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	1.6	B	J	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.7	U		P
7440-70-2	Calcium	150	B	J	P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	17.6	B	J	P
7439-89-6	Iron	21.1	B	J	P
7439-92-1	Lead	0.80	U		P
7439-95-4	Magnesium	130	B	J	P
7439-96-5	Manganese	3.1	B	J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	2200	B		P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	210	B	J	P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	4.6	B	J	P
7440-66-6	Zinc	18.2	B	J	P
	Cyanide	1.2	U		AS

Color Before: COLORLESS _____ Clarity Before: CLEAR _____ Texture: _____

Color After: COLORLESS _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-7 FID BIK

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01R06

Field: 95NF01R06

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U ^J	19-OCT-94	B. L. [unclear]
Total Organic Carbon	3	(mg/L)	U	20-OCT-94	M. B. [unclear]
Residue, Non-Filterable(TSS)	5	(mg/L)	U	20-OCT-94	M. Knoff

Reviewed by : Francis A. Awanya 11/1/94

MW-7A

EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EZQ57

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ57V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ57V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

MW-7A
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EZQ57

Lab Name: ENCOTEC Contract: 68-D2-0012
 Lab Code: ENCOT Case No.: 22798 SAS No.: SDG No.: EZQ57
 Matrix: (soil/water) WATER Lab Sample ID: EZQ57V
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EZQ57V
 Level: (low/med) LOW Date Received: 10/19/94
 % Moisture: not dec. Date Analyzed: 10/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

MW-7A

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB57

Lab Name: ITAS_ST._LOUIS _____ Contract: 68D30049 _____

Lab Code: ITMO _____ Case No.: 22798 _____ SAS No.: _____ SDG No.: MEZB57

Matrix (soil/water): WATER _____ Lab Sample ID: MEZB57

Level (low/med): LOW _____ Date Received: 10/19/94

% Solids: _____ 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.5	B		P
7440-36-0	Antimony	46.2	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	50.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.7	U		P
7440-70-2	Calcium	34800			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	3.2	U		P
7440-50-8	Copper	21.8	B		P
7439-89-6	Iron	279			P
7439-92-1	Lead	0.87	B		P
7439-95-4	Magnesium	19200			P
7439-96-5	Manganese	8.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.5	U		P
7440-09-7	Potassium	4060	B		P
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	29000			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	10.2	B		P
7440-66-6	Zinc	35.0		*	P
	Cyanide	1.2	U		AS

Color Before: COLORLESS _____ Clarity Before: CLEAR _____ Texture: _____

Color After: COLORLESS _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

00004

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-7A

Report produced on: 27-OCT-94

Sample Organization: WDNR/HYDROSEARCH
Sample Requestor: JUDY FASSBENDER
Laboratory: ESAT

Sample Batch ID: 950009
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 95NF01S01

Field: 95NF01S01

Collected: 18-OCT-94 /

Received: 19-OCT-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	UJ	19-OCT-94	<i>B. L. A...</i>
Total Organic Carbon	3.8	(mg/L)		20-OCT-94	<i>M. Knopp</i>
Residue, Non-Filterable(TSS)	523	(mg/L)		20-OCT-94	<i>M. Knopp</i>

Reviewed by : Francis A. Avanya 11/1/94

EPA RLIMS CRL - REGION V
 FINAL RESULTS REPORT
 Parameter:VOA

1026 S 7th ST
 Round
 Private Well

Sample organization: SUPERFUND
 Sample Requestor: JUDY FOSSBENDER
 Facility: BETTER BRITE PLATING
 Matrix:GROUND

Sample Batch ID: 940144
 Account No: TFA301
 Sample ID: 94NF01S47
 Units: ug/L

Method:A624SAS.0

Date Collected:31-AUG-94
 Date Extracted:02-SEP-94

Date Received:01-SEP-94
 Date Analyzed:02-SEP-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	4	
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: W. Wilson

Team Leader: Judy Fossbender

1026 S. 7th ST
EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 08-SEP-94

PRIVATE
WELL

Q.D.
9-8-94

SAMPLE ORGANIZATION: SUPERFUND
SAMPLE REQUESTOR: JUDY FOSSBENDER
LABORATORY: ESAT

SAMPLE BATCH ID: 940144
ACCOUNT NO: TFA301
FACILITY: BETTER BRIT
PLATING

SAMPLE: 94NF01S47 FIELD: 94NF01S47

COLLECTED: 31-AUG-94

RECEIVED: 01-SEP-94 ANALYZED: 02-SEP-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)	BDL	7429-90-5
Barium	38	(ug/L)		7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	49000	(ug/L)		7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	109	(ug/L)		7440-50-8
Iron	80U	(ug/L)	BDL	7439-89-6
Magnesium	46000	(ug/L)		7439-95-4
Manganese	7	(ug/L)		7439-96-5
Nickel	20U	(ug/L)	BDL	7440-02-0
Potassium	5000U	(ug/L)	BDL	7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	38000	(ug/L)		7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	44	(ug/L)		7440-66-6

ANALYZED BY:

Q.D. 9-9-94

Jun
14 Sep 1994

PRIVATE WELL

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 08-SEP-94

Sample organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Facility: BETTER BRITE PLATING
Matrix: GROUND
Date Collected: 31-AUG-94

Sample Batch ID: 940144
Account No: TFA301
Sample ID: 94NF01S47
Units: ug/L
Date Received: 01-SEP-94

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	06-SEP-94	B. Yew	
Arsenic Concentration	2U	07-SEP-94	B. Yew	
Cadmium Concentration	0.2U	06-SEP-94	B. Yew	
Lead Concentration	2U	07-SEP-94	B. Yew	
Selenium Concentration	2U	07-SEP-94	M. Knapp	
Thallium Concentration	2U	07-SEP-94	B. Yew	

Team Leader: JVM 14 Sept 94

1026 S. 7th St

Private Will

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S47

Field: 94NF01S47

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	<i>J. Roddy</i>
Cyanide	5	(ug/L)	U	06-SEP-94	<i>J. Roddy</i>
Mercury	0.1	(ug/L)	U	09-SEP-94	<i>J. Roddy</i>

Reviewed by : Francis A. Aronson 10/31/94

Private Well

J. Redlin 9/12/94

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S47

Field: 94NF01S47

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	<i>J. Redlin</i>

Reviewed by : *Franco A. Arwanga 10/12/94*

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Prusti Will
J. Redlin 9/14/94

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S47

Field: 94NF01S47

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	<i>J. Redlin</i>

Reviewed by : *Francis A. Arwanga 10/12/94*

Private Well

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

J. Redlin 9/12/94

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01847

Field: 94NF01847

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	<i>J. Redlin</i>
Mercury	0.1	(ug/L)	U	09-SEP-94	_____

Reviewed by : Francis A. Awanya 10/12/94

1006 S. 7th St
ESAT

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-4 320 56th St
Round
000067
EPA SAMPLE NO
MW-4
EZQ49

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
 Matrix: (soil/water) WATER Lab Sample ID: 843901
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N0152
 Level: (low/med) LOW Date Received: 08/31/94
 % Moisture: not dec. _____ Date Analyzed: 09/07/94
 GC Column: CAF 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
=====	=====	=====	=====	=====

1A

MW-4

320 S 6th St
Round
EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET **000066**

MW-4
EZQ49

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 843901

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: NO152

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/07/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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 B
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 B
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

W/L
10/7/94

W/L
10/7/94

16
INORGANIC ANALYSIS DATA SHEET

MEZB49

Lab Name: WEYERHAEUSER COMPANY Contract: 68-D2-0045
Lab Code: WEYER Case No.: 22615 SAS No.: SDG No.: MEZB39
Matrix (soil/water): WATER Lab Sample ID: 34148
Level (low/med): LOW Date Received: 08/31/94
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.6	B		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	184	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	158000			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	6.6	B		P
7439-92-1	Lead	1.2	B		F
7439-95-4	Magnesium	88700			P
7439-96-5	Manganese	387			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	3640	B		P
7782-49-2	Selenium	1.1	B	W	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	27500			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	37.4			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

MW-4

MW-4

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S37B

Field: 94NF01S37B

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Reddi</i>
Total Organic Carbon	3	(mg/L)	U	01-SEP-94	<i>M. Knopp</i>
Residue, Non-Filterable(TSS)	6.2	(mg/L)		01-SEP-94	<i>M. Knopp</i>

Reviewed by : Francis A. Howard 10/31/94

320 S. 6th St
Round 1

MW-4 Duplicate 1E

320 S. 6th St.
Round 1
EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000071

MW-4 Dupl
EZQ50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 843805

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2656

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/02/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A *MW-4 Duplicate*
 VOLATILE ORGANICS ANALYSIS DATA SHEET **000070**

3205.6th St
 EPA SAMPLE NO.
Round 1
MW-4 Dupe
 EZQ50

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
 Matrix: (soil/water) WATER Lab Sample ID: 843805
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2656
 Level: (low/med) LOW Date Received: 08/31/94
 % Moisture: not dec. _____ Date Analyzed: 09/02/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	U
67-64-1	Acetone	6	U
75-15-0	Carbon Disulfide	13	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

1H
 INORGANIC ANALYSIS DATA SHEET

MEZB50

Lab Name: WEYERHAEUSER COMPANY Contract: 68-D2-0045
 Lab Code: WEYER Case No.: 22615 SAS No.: SDG No.: MEZB39
 Matrix (soil/water): WATER Lab Sample ID: 34149
 Level (low/med): LOW Date Received: 08/31/94
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.6	U		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	178	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	159000			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	7.2	B		P
7439-89-6	Iron	6.8	B		P
7439-92-1	Lead	1.2	B		F
7439-95-4	Magnesium	86800			P
7439-96-5	Manganese	355			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.7	B		P
7440-09-7	Potassium	5440			P
7782-49-2	Selenium	1.0	B	W	F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	26600			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	38.0			P
	Cyanide	10.0	U		CA

By 10-11-94

Color Before: COLORLESS Clarity Before: CLEAR Texture:
 Color After: COLORLESS Clarity After: CLEAR Artifacts:
 Comments:

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

MW- 4 Duplicate

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01D37

Field: 94NF01D37

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Rodler</i>
Total Organic Carbon	3	(mg/L)	U	01-SEP-94	<i>M. Knopp</i>
Residue, Non-Filterable(TSS)	7.1	(mg/L)		01-SEP-94	<i>M. Knopp</i>

Reviewed by : *Francis A. Anderson* *10/31/94*

MW-4 Duplicate

MW-4 dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D37

Field: 94NF01D37

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Redlin</i>
Total Organic Carbon Concentration	3	(mg/L)	U	01-SEP-94	<i>M. Fletcher</i>
Residue, Non-Filterable(TSS)	7.1	(mg/L)		01-SEP-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 10/12/94

320 S. 6th St
Round 1

1E

MW-4A

320 S. 6th St
Round 1
EPA SAMPLE NO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000077

MW-4A
EZQ51

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 843806

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2657

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/02/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A MW-4A
VOLATILE ORGANICS ANALYSIS DATA SHEET

000076

3205. 6th St
Round 1
EPA SAMPLE NO.

MW-4A
EZQ51

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
 Matrix: (soil/water) WATER Lab Sample ID: 843806
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2657
 Level: (low/med) LOW Date Received: 08/31/94
 % Moisture: not dec. _____ Date Analyzed: 09/02/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	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

320 S 6th St
Round 1 MW-4A

U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEZB51

Lab Name: WEYERHAEUSER COMPANY

Contract: 68-D2-0045

Lab Code: WEYER

Case No.: 22615

SAS No.:

SDG No.: MEZB39

Matrix (soil/water): WATER

Lab Sample ID: 34150

Level (low/med): LOW

Date Received: 08/31/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.6	U		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	113	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	150000			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	4.8	B		P
7439-89-6	Iron	11.5	B		P
7439-92-1	Lead	2.3	B		F
7439-95-4	Magnesium	103000			P
7439-96-5	Manganese	255			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	3830	B		P
7782-49-2	Selenium	0.80	U		F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	33100			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	39.0			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

MW-4A

MW-4A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S38

Field: 94NF01S38

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	J. Rodde
Total Organic Carbon	3	(mg/L)	U	01-SEP-94	M. J. [Signature]
Residue, Non-Filterable(TSS)	6.9	(mg/L)		01-SEP-94	M. Knapp

Reviewed by : Francis A. Awanga 10/31/94

320 S 6th St
Round 1

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J Indicates the associated value is an estimated quantity.
- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Indicates duplicate injection precision is not met.
- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- * Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Municipal Well

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S45

Field: 94NF01S45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Rosler</i>
Cyanide	5	(ug/L)	U	06-SEP-94	<i>J. Rosler</i>
Mercury	0.1	(ug/L)	U	09-SEP-94	<i>J. Rosler</i>

Reviewed by : *Francis A. Awanya 10/31/94*

Why are there 4 copies?

See 183

Municipal Well

J. Redlin 9/12/94

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01845

Field: 94NF01845

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	<i>J. Redlin</i>
Mercury	0.1	(ug/L)	U	09-SEP-94	_____

Reviewed by : Francis A. Awanya 10/12/94

FAN 10/12/94

Municipal Well

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

J. Redlin 9/12/94

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S45

Field: 94NF01S45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	J. Redlin

Reviewed by : Francis A. Awanya 10/12/94

Municipal Well
J. Redlin
9/14/94

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S45

Field: 94NF01S45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	J. Redlin

Reviewed by : Franco A. Arroyo 10/12/94

Municipal Well dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D45

Field: 94NF01D45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	J. Rossi
Cyanide	5	(ug/L)	U	06-SEP-94	J. Rossi
Mercury	0.1	(ug/L)	U	09-SEP-94	J. Rossi

Reviewed by : Francis A. Averana 10/21/94

Why are there 5 copies? all slightly different

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Municipal Well Deep

J. Rollin
9/12/94

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D45

Field: 94NF01D45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	J. Rollin

Reviewed by : Francis A. Arvanys 10/12/94

Municipal Well deep
J. Rodlin 9/12/94

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D45

Field: 94NF01D45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	_____
Cyanide	5	(ug/L)	U	06-SEP-94	_____
Mercury	0.1	(ug/L)	U	09-SEP-94	<i>J. Rodlin</i>

Reviewed by : *Francois A. Awanya 10/12/94*

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Municipal Will Dup

J. Redlin 9/12/94

Report produced on: 12-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01D45

Field: 94NF01D45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	
Cyanide	5	(ug/L)	U	06-SEP-94	<i>J. Redlin</i>
Mercury	0.1	(ug/L)	U	09-SEP-94	

Reviewed by : Francis A. Awanya 10/12/94

Municipal Well dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D45

Field: 94NF01D45

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	J. Rodlin

Reviewed by : Francis A. Awanga 10/12/94

1E

MW-111

1103 S. 6th St
Round 1

000049

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-111
EZQ44

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 843801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2652

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/02/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A *MW-111*
 VOLATILE ORGANICS ANALYSIS DATA SHEET **000048**

1103 S. Sixth St
 EPA SAMPLE NO. Round 1
 : *MW-111*
 : EZQ44

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
 Matrix: (soil/water) WATER Lab Sample ID: 843801
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2652
 Level: (low/med) LOW Date Received: 08/31/94
 % Moisture: not dec. _____ Date Analyzed: 09/02/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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

1103 S. 6th ST
 Round 1 MW-111

EPA SAMPLE NO.

1D
 INORGANIC ANALYSIS DATA SHEET

MEZB44

Lab Name: WEYERHAEUSER COMPANY

Contract: 68-D2-0045

Lab Code: WEYER

Case No.: 22615

SAS No.:

SDG No.: MEZB39

Matrix (soil/water): WATER

Lab Sample ID: 34145

Level (low/med): LOW

Date Received: 08/31/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.6	U		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	156	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	89200			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	21.0	B		P
7439-92-1	Lead	0.60	B		F
7439-95-4	Magnesium	53900			P
7439-96-5	Manganese	78.3			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	3210	B		P
7782-49-2	Selenium	1.0	B		F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	2.4	U		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

MW-111
ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-111

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S36A

Field: 94NF01S36A

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Total Organic Carbon	6.4	(mg/L)		01-SEP-94	<i>M. Fletcher</i>
Residue, Non-Filterable(TSS)	283	(mg/L)		01-SEP-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 10/21/94

1035 6th St
 Round 1

MW-111

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-111

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S36B

Field: 94NF01S36B

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	<i>J. Reddy</i>

Reviewed by : Francis A. Arvaniza 10/31/94

1103 S 6th St
Round 1

MW-111 Duplicate
1E

1103 S. 6th St
Round 1
000053 EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-111 Duplicate
EZQ45

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
Matrix: (soil/water) WATER Lab Sample ID: 843802
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: R2653
Level: (low/med) LOW Date Received: 08/31/94
% Moisture: not dec. _____ Date Analyzed: 09/02/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-111 Duplicate
1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000052

1103 S 6th St
Round 1
EPA SAMPLE NO.

MW-111 Duplicate
EZ045

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZ039
Matrix: (soil/water) WATER Lab Sample ID: 843802
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: R2653
Level: (low/med) LOW Date Received: 08/31/94
% Moisture: not dec. _____ Date Analyzed: 09/02/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

INORGANIC ANALYSIS DATA SHEET

MEZB45

Lab Name: WEYERHAEUSER COMPANY

Contract: 68-D2-0045

Lab Code: WEYER

Case No.: 22615

SAS No.:

SDG No.: MEZB39

Matrix (soil/water): WATER

Lab Sample ID: 34146

Level (low/med): LOW

Date Received: 08/31/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.6	U		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	152	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	90300			P
7440-47-3	Chromium	3.4	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	32.0	B		P
7439-92-1	Lead	0.60	U		F
7439-95-4	Magnesium	53100			P
7439-96-5	Manganese	73.8			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	3020	B		P
7782-49-2	Selenium	1.6	B		F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	19100			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	2.5	B		P
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-111 Duplicate

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D36B

Field: 94NF01D36B

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	J. Keller

Reviewed by : Thomas A. Arwanto 10/21/94

MW-111 Duplicate

MW-111 dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D36B

Field: 94NF01D36B

Collected: 31-AUG-94 /

Received: 01-SEP-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	01-SEP-94	J. Redlin

Reviewed by : Franco A. Arroyo 10/12/94

1103 S. SIXTH ST
Round 1

MW-111 Duplicate

MW-111 dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D36A

Field: 94NF01D36A

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Total Organic Carbon	6.2	(mg/L)		01-SEP-94	<i>M. J. [Signature]</i>
Residue, Non-Filterable(TSS)	1390	(mg/L)		01-SEP-94	<i>M. Knapp</i>

Reviewed by : Francis A. Arwaga 10/31/94

1103 S 6th St
Round 1

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J Indicates the associated value is an estimated quantity.
- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Indicates duplicate injection precision is not met.
- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- * Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

EPA RLIMS CRL - REGION V
 FINAL RESULTS REPORT
 Parameter:VOA

Municipal Well

Sample organization: SUPERFUND
 Sample Requestor: JUDY FOSSBENDER
 Facility: BETTER BRITE PLATING
 Matrix:GROUND

Sample Batch ID: 940144
 Account No: TFA301
 Sample ID: 94NF01S45
 Units: ug/L

Method:A624SAS.0

Date Collected:30-AUG-94
 Date Extracted:02-SEP-94

Date Received:31-AUG-94
 Date Analyzed:02-SEP-94

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: *Wei Wang Zhang*

Team Leader: *Judy Fossbender*

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 08-SEP-94

MUNICIPAL
WELL

Q.D.
9-8

SAMPLE ORGANIZATION: SUPERFUND
SAMPLE REQUESTOR: JUDY FOSSBENDER
LABORATORY: ESAT

SAMPLE BATCH ID: 940144
ACCOUNT NO: TFA301
FACILITY: BETTER BRI
PLATING

SAMPLE: 94NF01S45 FIELD: 94NF01S45

COLLECTED: 30-AUG-94

RECEIVED: 31-AUG-94 ANALYZED: 02-SEP-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)	BDL	7429-90-5
Barium	41	(ug/L)		7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	56000	(ug/L)		7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	11	(ug/L)		7440-50-8
Iron	146	(ug/L)		7439-89-6
Magnesium	26000	(ug/L)		7439-95-4
Manganese	18	(ug/L)		7439-96-5
Nickel	20U	(ug/L)	BDL	7440-02-0
Potassium	6000	(ug/L)		7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	18000	(ug/L)		7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	40U	(ug/L)	BDL	7440-66-6

ANALYZED BY: Q.D. 9-9-94

Jun
14 Sep 94

Municipal Well

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 08-SEP-94

Sample organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Facility: BETTER BRITE PLATING
Matrix: GROUND
Date Collected: 30-AUG-94

Sample Batch ID: 940144
Account No: TFA301
Sample ID: 94NF01S45
Units: ug/L
Date Received: 31-AUG-94

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	06-SEP-94	B. Yuen	
Arsenic Concentration	2U	07-SEP-94	B. Yuen	
Cadmium Concentration	0.2U	06-SEP-94	B. Yuen	
Lead Concentration	2U	07-SEP-94	B. Yuen	
Selenium Concentration	2U	07-SEP-94	M. Knapp	
Thallium Concentration	2U	07-SEP-94	B. Yuen	

Team Leader: JVM 14 Sept 94

EPA RLIMS CRL - REGION V
 FINAL RESULTS REPORT
 Parameter:VOA

Municipal Well
 Duplicate

Sample organization: SUPERFUND
 Sample Requestor: JUDY FOSSBENDER
 Facility: BETTER BRITE PLATING
 Matrix:GROUND

Sample Batch ID: 940144
 Account No: TFA301
 Sample ID: 94NF01D45
 Units: ug/L

Date Collected:30-AUG-94
 Date Extracted:02-SEP-94

Date Received:31-AUG-94
 Date Analyzed:02-SEP-94

Method:A624SAS.0

CAS NUMBER	COMPOUND	AMOUNT	QUALIFIERS
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	10	
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	2-Butanone	3	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	Cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
127-18-4	Tetrachloroethene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1083836423	m &/or p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U

Analyzed by: *W. S. ...*
 Team Leader: *Judy A. Fossbender*

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 08-SEP-94

MUNICIPAL
WELL
DUPLICATE
P.D.
9-8-94

SAMPLE ORGANIZATION: SUPERFUND
SAMPLE REQUESTOR: JUDY FOSSBENDER
LABORATORY: ESAT

SAMPLE BATCH ID: 940144
ACCOUNT NO: TFA301
FACILITY: BETTER BRIT
PLATING

SAMPLE: 94NF01D45 FIELD: 94NF01D45

COLLECTED: 30-AUG-94

RECEIVED: 31-AUG-94 ANALYZED: 02-SEP-94

COMPOUND	AMOUNT	(Units)	QUALIFIERS	CAS NUMBER
Aluminum	80U	(ug/L)		7429-90-5
Barium	41	(ug/L)		7440-39-3
Beryllium	2U	(ug/L)	BDL	7440-41-7
Calcium	56000	(ug/L)		7440-70-2
Chromium	10U	(ug/L)	BDL	7440-47-3
Cobalt	6U	(ug/L)	BDL	7440-48-4
Copper	7	(ug/L)		7440-50-8
Iron	140	(ug/L)		7439-89-6
Magnesium	26000	(ug/L)		7439-95-4
Manganese	18	(ug/L)		7439-96-5
Nickel	20U	(ug/L)	BDL	7440-02-0
Potassium	6000	(ug/L)		7440-09-7
Silver	6U	(ug/L)	BDL	7440-22-4
Sodium	18000	(ug/L)		7440-23-5
Vanadium	8U	(ug/L)	BDL	7440-62-2
Zinc	40U	(ug/L)	BDL	7440-66-6

ANALYZED BY:

P.D. 9-9-94

Jun
14 Sep 94

Municipal Well
Duplicate

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY

Single Analyte Result Report, produced on: 08-SEP-94

Sample organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Facility: BETTER BRITE PLATING
Matrix: GROUND
Date Collected: 30-AUG-94

Sample Batch ID: 940144
Account No: TFA301
Sample ID: 94NF01D45
Units: ug/L
Date Received: 31-AUG-94

Parameter	Result	Anal. Date	Analyst	Comments
Antimony Concentration	2U	06-SEP-94	<u>B. Yuen</u>	
Arsenic Concentration	2U	07-SEP-94	<u>B. Yuen</u>	
Cadmium Concentration	0.2U	06-SEP-94	<u>B. Yuen</u>	
Lead Concentration	2U	07-SEP-94	<u>B. Yuen</u>	
Selenium Concentration	2U	07-SEP-94	<u>M. Knapp</u>	
Thallium Concentration	2U	07-SEP-94	<u>B. Yuen</u>	

Team Leader: Jim 14 Sept 94

DATA QUALIFIER DEFINITIONS

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-9
000082

458 Butler St.
Round 1
EPA SAMPLE NO.

MW-9
EZQ52

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39
Matrix: (soil/water): WATER Lab Sample ID: 843807
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N0151
Level: (low/med) LOW Date Received: 08/31/94
% Moisture: not dec. _____ Date Analyzed: 09/07/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-9

VOLATILE ORGANICS ANALYSIS DATA SHEET **000081**

MW-9
EZQ52

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDB No.: EZQ39
 Matrix: (soil/water) WATER Lab Sample ID: 843807
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N0151
 Level: (low/med) LOW Date Received: 08/31/94
 % Moisture: not dec. _____ Date Analyzed: 09/07/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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 B
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 B
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

wfu 10/7/

wfu 10/7/



INORGANIC ANALYSIS DATA SHEET

MEZB52

Lab Name: WEYERHAEUSER COMPANY

Contract: 68-D2-0045

Lab Code: WEYER

Case No.: 22615

SAS No.:

SDG No.: MEZB39

Matrix (soil/water): WATER

Lab Sample ID: 34151

Level (low/med): LOW

Date Received: 08/31/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.6	U		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	72300			P
7440-47-3	Chromium	697			P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	28.7	B		P
7439-92-1	Lead	4.7			F
7439-95-4	Magnesium	52900			P
7439-96-5	Manganese	7.2	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	5360			P
7782-49-2	Selenium	2.6	B		F
7440-22-4	Silver	4.7	B		P
7440-23-5	Sodium	29900			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	3.0	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

MW-9

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

MW-9

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S41

Field: 94NF01S41

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	400	(ug/L)		31-AUG-94	J. Baller
Total Organic Carbon	9.9	(mg/L)		01-SEP-94	M. Knapp
Residue, Non-Filterable(TSS)	351	(mg/L)		01-SEP-94	M. Knapp

Reviewed by : Fernando A. Arvanza 10/31/94

DATA QUALIFIER DEFINITIONS

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- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
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Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

10/1
S. 6th

1E

Round 1

EPA SAMPLE NO

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000106

1011 S 6th
EZQ37

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20

Matrix: (soil/water) WATER Lab Sample ID: 840603

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2629

Level: (low/med) LOW Date Received: 08/27/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

1011
S. 6th

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000105**

EPA SAMPLE NO.

1011 S. 6th
EZQ37

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20

Matrix: (soil/water) WATER Lab Sample ID: 840603

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2629

Level: (low/med) LOW Date Received: 08/27/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
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	U
67-64-1	Acetone	8	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

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB37

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB37

Level (low/med): LOW Date Received: 08/29/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650	-		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U	W	F
7440-39-3	Barium	43.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	110000			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	355			P
7439-89-6	Iron	84.1	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	47700			P
7439-96-5	Manganese	2.5	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	7340			P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	19900			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	21.5			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1011 S. 6th St.

1011 S 6th

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S37

Field: 94NF01S37

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	<i>J. Redlin</i>

Reviewed by : Francis A. Awaga 10/27/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

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- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
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- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

000090

EPA SAMPLE NO

529 Lande

529 LANDE
 EZQ34

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 840601
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2627
 Level: (low/med) LOW Date Received: 08/27/94
 % Moisture: not dec. _____ Date Analyzed: 09/01/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.47	7	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

529 Lande

000089

529 Lande
EZQ34

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20

Matrix: (soil/water) WATER Lab Sample ID: 840601

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E2627

Level: (low/med) LOW Date Received: 08/27/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>		Q
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	5	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	

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB34

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB34

Level (low/med): LOW Date Received: 08/29/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	71.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	137000			P
7440-47-3	Chromium	8.0	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.2	B		P
7439-89-6	Iron	56.3	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	54900			P
7439-96-5	Manganese	1.7	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	5210			P
7782-49-2	Selenium	2.3	B		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	24800			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	3.3	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

529 Lande St.

529 Lande

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S28

Field: 94NF01S28

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	J. Redlin

Reviewed by : Francis A. Arwanya 10/27/94

DATA QUALIFIER DEFINITIONS

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- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
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- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

612
Butter

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000096

EPA SAMPLE NO

612 Butter
EZ035

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020

Matrix: (soil/water) WATER Lab Sample ID: B40602

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2628

Level: (low/med) LOW Date Received: 08/27/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000095**

EPA SAMPLE NO.

612 Butler

612 Butler
EZQ35

Lab Name: AATSLA Contract: 68-DZ-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 840602
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2628
 Level: (low/med) LOW Date Received: 08/27/94
 % Moisture: not dec. _____ Date Analyzed: 09/01/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

612 Bullery

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB35

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB35

Level (low/med): LOW Date Received: 08/29/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.8	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	37.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	10.2			P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	11.9	B		P
7439-89-6	Iron	89.6	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	35500			P
7439-96-5	Manganese	1.5	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2440	B		P
7782-49-2	Selenium	1.7	B		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	31100			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	20.2			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

612 Butler St.

612 Butler

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S27

Field: 94NF01S27

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	<i>J. Redlin</i>

Reviewed by : Francis A. Awanya 10/27/94

DATA QUALIFIER DEFINITIONS

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- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
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- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
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- * Indicates the duplicate analysis is not within control limits.

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1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

MW-110

1041 S. 6th St

000052

EPA SAMPLE NO
 Round 1
 MW-110
 EZQ29

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20

Matrix: (soil/water) WATER Lab Sample ID: 839902

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9915

Level: (low/med) LOW Date Received: 08/26/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A MW-110
VOLATILE ORGANICS ANALYSIS DATA SHEET

000051

1041 S 6th St
EPA SAMPLE NO.

Round 1

MW-110
EZ029

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
 Matrix: (soil/water) WATER Lab Sample ID: 839902
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9915
 Level: (low/med) LOW Date Received: 08/26/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	15	
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

B n/s 10/5

MW-110

1041 S 6th St
Round 1
6

INORGANIC ANALYSES DATA SHEET

MEZB29

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB29

Level (low/med): LOW Date Received: 08/26/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	244			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	3.6	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.7	B		P
7439-89-6	Iron	20.0	B		P
7439-92-1	Lead	1.8	B	WN	F
7439-95-4	Magnesium	154000			P
7439-96-5	Manganese	64.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	22.6	B		P
7440-09-7	Potassium	5960			P
7782-49-2	Selenium	1.1	B	W	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	66600			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	6.7	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-110

MW-110

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S19

Field: 94NF01S19

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	J. Redlin
Total Organic Carbon Concentration	3.3	(mg/L)		01-SEP-94	M. Fitts
Residue, Non- Filterable(TSS)	435	(mg/L)		29-AUG-94	M. Knapp

Reviewed by : Francis A. Arwanya 10/27/94

1041 S. 6th St
Round 1

1E MW-110A
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

000057

1041 S. 6th St.
 EPA SAMPLE NO.
Round 1
MW-110A
EZ030

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
 Matrix: (soil/water) WATER Lab Sample ID: 839903
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9916
 Level: (low/med) LOW Date Received: 08/26/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A MW-110A
VOLATILE ORGANICS ANALYSIS DATA SHEET

000056

10415 6th St
EPA SAMPLE NO
Round 1
MW-110A
EZ030

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
Matrix: (soil/water) WATER Lab Sample ID: 839903
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9916
Level: (low/med) LOW Date Received: 08/26/94
% Moisture: not dec. _____ Date Analyzed: 08/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

←
B
wlc
10/5/94

MW-110A

1041 S. 6th St
MW-110A Round 1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MEZB30

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB30

Level (low/med): LOW Date Received: 08/26/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	84.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	53200			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	27.3	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	34600			P
7439-96-5	Manganese	62.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2580	B		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	38800			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	4.4	B		P
7440-66-6	Zinc	4.5	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-110A

MW-110A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S20

Field: 94NF01S20

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	<i>J. Redlin</i>
Total Organic Carbon Concentration	5.743	(mg/L)		01-SEP-94	<i>M. Stahl</i>
Residue, Non-Filterable(TSS)	31	(mg/L)		29-AUG-94	<i>M. Knopp</i>

Reviewed by : Francis A. Awanya 10/27/94

1041 S 69th St
Round 1

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

MW-109 10415.6th St
 Bound EPA SAMPLE NO
000047

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20

Matrix: (soil/water) WATER Lab Sample ID: 839901

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9914

Level: (low/med) LOW Date Received: 08/26/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

MW-109B sampled
 only for Cr⁶⁺
 (due to lack of H₂O)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-109

000046

1041 S. 6th St
EPA SAMPLE NO
Round 1

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
 Matrix: (soil/water) WATER Lab Sample ID: 839901
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9914
 Level: (low/med) LOW Date Received: 08/26/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	8	J
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 B
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

W Lu
10/57

1041 S. 6th St
MW-109
 Round 1 **5**

1
 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB28

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB28

Level (low/med): LOW Date Received: 08/26/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	152	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	83400			P
7440-47-3	Chromium	9570			P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	20.6	B		P
7439-89-6	Iron	21.3	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	61300			P
7439-96-5	Manganese	47.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	4800	B		P
7782-49-2	Selenium	1.8	B	W	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	26900			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	4.8	B		P
7440-66-6	Zinc	10.0	B		P
	Cyanide	10.0	U		CA

Color Before: YELLOW Clarity Before: CLEAR Texture: _____
 Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

1110-109

MW-109

ENVIRONMENTAL PROTECTION AGENCY
 REGION V
 CENTRAL REGIONAL LABORATORY
 FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S08

Field: 94NF01S08

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	6780	(ug/L)		26-AUG-94	<i>J. Redlin</i>
Total Organic Carbon Concentration	9.3	(mg/L)		01-SEP-94	<i>M. Knapp</i>
Residue, Non- Filterable(TSS)	1630	(mg/L)		29-AUG-94	<i>M. Knapp</i>

Reviewed by : Francis A. Awanya 10/27/94

MU-109A 1041 S. 6th St
Round 1
EPA SAMPLE NO

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000071

MU-109A
EZQ11

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ02
Matrix: (soil/water) WATER Lab Sample ID: 837007
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9936
Level: (low/med) LOW Date Received: 08/24/94
% Moisture: not dec. _____ Date Analyzed: 08/29/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000070**

MW-109A

1041 S. 6th St
Round 1
EPA SAMPLE NO

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ002
 Matrix: (soil/water) WATER Lab Sample ID: 837007
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9936
 Level: (low/med) LOW Date Received: 08/24/94
 % Moisture: not dec. _____ Date Analyzed: 08/29/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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

10 ~~3~~ *BJ μ act*

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB11

1041 S. 6th St
MW-109A Round 1
11

Lab Name: SVL ANALYTICAL INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB11

Level (low/med): LOW Date Received: 08/24/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.3	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	3.6	B		F
7440-39-3	Barium	59.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	25300			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	8.9	U		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	25100			P
7439-96-5	Manganese	40.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	1930	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	30600			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	525			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-109A
MW-109A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S09

Field: 94NF01S09

Collected: 23-AUG-94 /

Received: 24-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	24-AUG-94	J. Redlin
Total Organic Carbon Concentration	6.3	(mg/L)		26-AUG-94	M. Zlotiker
Residue, Non- Filterable(TSS)	104	(mg/L)		29-AUG-94	M. Knopp

Reviewed by : Francis A. Arwanga 10/27/94

MW-109B

MW 109 B

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S35

Field: 94NF01S35

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Rodin</i>

Reviewed by : *Fred A. Averys* *10/31/94*

10415 6th St
Round 1

1E 1031 S. 6th 000085
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N

1031 S. 6th
 EZQ33

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 839906
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9919
 Level: (low/med) LOW Date Received: 08/26/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A 1031 S. 6th
 VOLATILE ORGANICS ANALYSIS DATA SHEET **000084**

EPA SAMPLE NO.

1031 S. 6th
 EZ033

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
 Matrix: (soil/water) WATER Lab Sample ID: 939906
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9919
 Level: (low/med) LOW Date Received: 08/26/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	IU
74-83-9	Bromomethane	10	IU
75-01-4	Vinyl Chloride	10	IU
75-00-3	Chloroethane	10	IU
75-09-2	Methylene Chloride	8	IJ
67-64-1	Acetone	10	IU
75-15-0	Carbon Disulfide	10	IU
75-35-4	1,1-Dichloroethene	10	IU
75-34-3	1,1-Dichloroethane	10	IU
540-59-0	1,2-Dichloroethene (total)	10	IU
67-66-3	Chloroform	10	IU
107-06-2	1,2-Dichloroethane	10	IU
78-93-3	2-Butanone	10	IUB
71-55-6	1,1,1-Trichloroethane	10	IU
56-23-5	Carbon Tetrachloride	10	IU
75-27-4	Bromodichloromethane	10	IU
78-87-5	1,2-Dichloropropane	10	IU
10061-01-5	cis-1,3-Dichloropropene	10	IU
79-01-6	Trichloroethene	10	IU
124-48-1	Dibromochloromethane	10	IU
79-00-5	1,1,2-Trichloroethane	10	IU
71-43-2	Benzene	10	IU
10061-02-6	trans-1,3-Dichloropropene	10	IU
75-25-2	Bromoform	10	IU
108-10-1	4-Methyl-2-Pentanone	10	IU
591-78-6	2-Hexanone	10	IU
127-18-4	Tetrachloroethene	10	IU
79-34-5	1,1,2,2-Tetrachloroethane	10	IU
108-88-3	Toluene	10	IU
108-90-7	Chlorobenzene	10	IU
100-41-4	Ethylbenzene	10	IU
100-42-5	Styrene	10	IU
1330-20-7	Xylene (total)	10	IU

Wf
10/5

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB33

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB33

Level (low/med): LOW Date Received: 08/26/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900	-		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	3.9	B		F
7440-39-3	Barium	120	B		P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	87400	-		P
7440-47-3	Chromium	42.1	-		P
7440-48-4	Cobalt	12.9	B		P
7440-50-8	Copper	51.7	-		P
7439-89-6	Iron	17300	-		P
7439-92-1	Lead	37.2	-	SN	F
7439-95-4	Magnesium	34400	-		P
7439-96-5	Manganese	330	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.4	B		P
7440-09-7	Potassium	34400	-		P
7782-49-2	Selenium	1.2	B		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	11500	-		P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	39.5	B		P
7440-66-6	Zinc	116	-		P
	Cyanide	10.0	U		CA

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: BROWN Clarity After: OPAQUE Artifacts: _____

Comments:

1031 S. 6th ST.

1031 S 6th

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S30

Field: 94NF01S30

Collected: 25-AUG-94 /

Received: 26-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	26-AUG-94	<i>J. Rodlin</i>

Reviewed by : Francis A. Aruanga 10/27/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E

1030 S. 6th

Round 1

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000111

1030 S. 6th
EZQ19

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ02

Matrix: (soil/water) WATER Lab Sample ID: 838306

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9901

Level: (low/med) LOW Date Received: 08/25/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 74-93-1	Methanethiol	3.00	34	IJN
2. 75-18-3	Methane, thiobis-	4.50	19	IJN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1030 S. 6th

EPA SAMPLE NO

000110

1030 S. 6th
EZQ19

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ02
 Matrix: (soil/water) WATER Lab Sample ID: 838306
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9901
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	6	J
67-64-1	Acetone	5	J
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	13	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

ack

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB19

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB19

Level (low/med): LOW Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.6	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	82.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	4.8	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1330			P
7439-92-1	Lead	1.7	B	WN	F
7439-95-4	Magnesium	85100			P
7439-96-5	Manganese	211			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	5080			P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	36200			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	20.3			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1030 S. 6th

1030 S 6th

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S23

Field: 94NF01S23

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	J. Rodden

Reviewed by : Francis A. Arcoyza 10/27/94

1030 S. 6th Duplicate

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000119

EPA SAMPLE NO.

1030 S 6th
EZQ21

Lab Name: AATSLA

Contract: 68-D2-0028

Lab Code: AATSLA

Case No.: 22593

SAS No.: _____

SDG No.: EZQ02

Matrix: (soil/water) WATER

Lab Sample ID: 838307

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M9900

Level: (low/med) LOW

Date Received: 08/25/94

% Moisture: not dec. _____

Date Analyzed: 08/27/94

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 74-93-1	Methanethiol	3.00	7	JN
2. 75-18-3	Methane, thiobis-	4.48	10	JN

1A 1030 S. 6th Duplicate
 VOLATILE ORGANICS ANALYSIS DATA SHEET 000118

EPA SAMPLE NO
 1030 S 6th
 EZQ21

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ02
 Matrix: (soil/water) WATER Lab Sample ID: 838307
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9900
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	10
74-83-9	Bromomethane	10	10
75-01-4	Vinyl Chloride	10	10
75-00-3	Chloroethane	10	10
75-09-2	Methylene Chloride	10	10
67-64-1	Acetone	10	10
75-15-0	Carbon Disulfide	10	10
75-35-4	1,1-Dichloroethene	10	10
75-34-3	1,1-Dichloroethane	10	10
540-59-0	1,2-Dichloroethene (total)	10	10
67-66-3	Chloroform	10	10
107-06-2	1,2-Dichloroethane	10	10
78-93-3	2-Butanone	17	10 <i>u act</i>
71-55-6	1,1,1-Trichloroethane	10	10
56-23-5	Carbon Tetrachloride	10	10
75-27-4	Bromodichloromethane	10	10
78-87-5	1,2-Dichloropropane	10	10
10061-01-5	cis-1,3-Dichloropropene	10	10
79-01-6	Trichloroethene	10	10
124-48-1	Dibromochloromethane	10	10
79-00-5	1,1,2-Trichloroethane	10	10
71-43-2	Benzene	10	10
10061-02-6	trans-1,3-Dichloropropene	10	10
75-25-2	Bromoform	10	10
108-10-1	4-Methyl-2-Pentanone	10	10
591-78-6	2-Hexanone	10	10
127-18-4	Tetrachloroethene	10	10
79-34-5	1,1,2,2-Tetrachloroethane	10	10
108-88-3	Toluene	10	10
108-90-7	Chlorobenzene	10	10
100-41-4	Ethylbenzene	10	10
100-42-5	Styrene	10	10
1330-20-7	Xylene (total)	10	10

1030 Sump Duplicate
20

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB21

Lab Name: SVL_ANALYTICAL_INC. _____ Contract: 68-D20042_

Lab Code: SILVER Case No.: 22593_ SAS No.: _____ SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB21

Level (low/med): LOW_ Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	89.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	4.1	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1640			P
7439-92-1	Lead	2.6	B	WN	F
7439-95-4	Magnesium	85200			P
7439-96-5	Manganese	211			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	5920			P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	36800			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	17.0	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1030 S. 6th Duplicate

1030 S 6th dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D23

Field: 94NF01D23

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	J. Redlin

Reviewed by : Francis A. Awanya 10/27/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J Indicates the associated value is an estimated quantity.
- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Indicates duplicate injection precision is not met.
- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- * Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E MW-6

4015 Sixth St
Round 1
EPA SAMPLE NO

000126

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ002

Matrix: (soil/water) WATER Lab Sample ID: 938308

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9894

Level: (low/med) LOW Date Received: 08/25/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	D
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401 S. Sixth St
Round 1
EPA SAMPLE NO.

1A MW-6

VOLATILE ORGANICS ANALYSIS DATA SHEET 000125

MW-6
EZQ22

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: SDG No.: EZQ02
Matrix: (soil/water) WATER Lab Sample ID: 838308
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9894
Level: (low/med) LOW Date Received: 08/25/94
% Moisture: not dec. Date Analyzed: 08/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB22

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB22

Level (low/med): LOW Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	160	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	39200			P
7440-48-4	Cobalt	10.9	B		P
7440-50-8	Copper	7.0	B		P
7439-89-6	Iron	8.9	U		P
7439-92-1	Lead	1.1	B	WN	F
7439-95-4	Magnesium	53200			P
7439-96-5	Manganese	63.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	44.5			P
7440-09-7	Potassium	5940			P
7782-49-2	Selenium	3.8	B	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	50200			P
7440-28-0	Thallium	0.90	U	W	F
7440-62-2	Vanadium	5.3	B		P
7440-66-6	Zinc	3.0	B		P
	Cyanide	12.5			CA

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

MW-6

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S12

Field: 94NF01S12

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	15900	(ug/L)		25-AUG-94	<i>J. Redlin</i>
Total Organic Carbon Concentration	6.1	(mg/L)		26-AUG-94	<i>M. DeCetola</i>
Residue, Non-Filterable(TSS)	16.1	(mg/L)		29-AUG-94	<i>M. Knopp</i>

Reviewed by : Francis A. Arwanga 10/27/94

401 S. SIXTH ST
Round 1

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET **000024**
TENTATIVELY IDENTIFIED COMPOUNDS

MU-6A

401 S. Sixth St
Round 1
EPA SAMPLE NO.

MU-6A
EZQ39

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 842801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2640

Level: (low/med) LOW Date Received: 08/30/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-6A

401 S. Sixth St
Round 1
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000023**

MW-6A
EZQ39

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22615 SAS No.: _____ SDG No.: EZQ39

Matrix: (soil/water) WATER Lab Sample ID: 842801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2640

Level: (low/med) LOW Date Received: 08/30/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
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	9	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

MW-6A

U.S. EPA - CLP

401 S. Sixth St
Round 1
MW-6A

EPA SAMPLE NO.

1A
INORGANIC ANALYSIS DATA SHEET

MEZB39

Lab Name: WEYERHAEUSER COMPANY

Contract: 68-D2-0045

Lab Code: WEYER

Case No.: 22615

SAS No.:

SDG No.: MEZB39

Matrix (soil/water): WATER

Lab Sample ID: 34056

Level (low/med): LOW

Date Received: 08/30/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	51.2	B		P
7440-36-0	Antimony	25.9	U		P
7440-38-2	Arsenic	0.70	U		F
7440-39-3	Barium	57.5	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	40600			P
7440-47-3	Chromium	4.9	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	61.9	B		P
7439-92-1	Lead	18.2			F
7439-95-4	Magnesium	20000			P
7439-96-5	Manganese	17.5			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.1	U		P
7440-09-7	Potassium	2470	B		P
7782-49-2	Selenium	1.9	B		F
7440-22-4	Silver	3.6	U		P
7440-23-5	Sodium	57800			P
7440-28-0	Thallium	0.80	U		F
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	4.4	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

MW-6A

MW-6A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S18

Field: 94NF01S18

Collected: 29-AUG-94 /

Received: 30-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	30-AUG-94	<i>J. Rodin</i>
Total Organic Carbon Concentration	5.5	(mg/L)		01-SEP-94	<i>M. Fletcher</i>
Residue, Non- Filterable(TSS)	1000	(mg/L)		01-SEP-94	<i>M. Knopp</i>

Reviewed by : Francis A. Aravena 10/12/94

MU-6B

MU-6B

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S40

Field: 94NF01S40

Collected: 29-AUG-94 /

Received: 30-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	30-AUG-94	J. Reddi

Reviewed by : Francis A. Aranya 10/31/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indicates the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E 1025 S. 6th

Round 1
EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000039

1025 S 6th
EZ026

Lab Name: AATSLA Contract: 68-D2-0026

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020

Matrix: (soil/water) WATER Lab Sample ID: 838407

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9912

Level: (low/med) LOW Date Received: 08/25/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A 1025 S. 6th
 VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000038
1025 S 6th
EZQ26

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 838407
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9912
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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

B *WLu*
10/5/94

1025 S. 6th 4

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB26

Lab Name: SVL_ANALYTICAL_INC. _____ Contract: 68-D20042_

Lab Code: SILVER Case No.: 22593_ SAS No.: _____ SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB26

Level (low/med): LOW_ Date Received: 08/25/94

Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	51.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	93300			P
7440-47-3	Chromium	3.1	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	109			P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	94800			P
7439-96-5	Manganese	1.5	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	5550			P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	59700			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	9.0	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1025 S. 6th

1025 S 6th

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S24

Field: 94NF01S24

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	J. Rollin

Reviewed by : Francis A. Arampa 10/27/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indictaes the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

548 Butler St.

Sump
Round 1

U.S. EPA - CLP

Airborne Express Sump

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB20

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB20

Level (low/med): LOW Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	259			P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	73.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	95900			P
7440-47-3	Chromium	186			P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	6.5	B		P
7439-89-6	Iron	471			P
7439-92-1	Lead	3.9		WN	F
7439-95-4	Magnesium	45800			P
7439-96-5	Manganese	44.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	5150			P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	62700			P
7440-28-0	Thallium	0.90	B	W	F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	21.3			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

548 Butler St.

1A Airborne Express Sump
VOLATILE ORGANICS ANALYSIS DATA SHEET 000022

EPA SAMPLE NO

Sump
Round 1

Airborne Express
EZ020

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020

Matrix: (soil/water) WATER Lab Sample ID: 838401

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9902

Level: (low/med) LOW Date Received: 08/25/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	g
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

B W
10/5

548 Butler St
Sump
Round 1

1E Airborne Express
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO
000023
AirEx
EZ020

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ020
Matrix: (soil/water) WATER Lab Sample ID: 838401
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9902
Level: (low/med) LOW Date Received: 08/25/94
% Moisture: not dec. _____ Date Analyzed: 08/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

Airborne Express

AIR EX

548 Butler St.
Stump
Round 1

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S22

Field: 94NF01S22

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	139	(ug/L)		25-AUG-94	<i>J. Rollin</i>

Reviewed by : *Francis A. Awanya 10/27/94*

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U** Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J** Indicates the associated value is an estimated quantity.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ** Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E** Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M** Indicates duplicate injection precision is not met.
- N** Indicates the spike sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W** Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- *** Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-7
000027

601 Grand St
EPA SAMPLE NO.
Round 1

MW-7
EZQ23

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
Matrix: (soil/water) WATER Lab Sample ID: 838404
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9909
Level: (low/med) LOW Date Received: 08/25/94
% Moisture: not dec. _____ Date Analyzed: 08/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-7
000026

601 Grant St
EPA SAMPLE NO
Round 1
MW-7
EZQ23

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 838404
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9909
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>		g
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	B
71-55-6	1,1,1-Trichloroethane	10	U	<i>wk</i>
56-23-5	Carbon Tetrachloride	10	U	<i>10/5</i>
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	

601 Grant St
 MW-7 Round 1
 22

1
 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB23

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER

Lab Sample ID: MEZB23

Level (low/med): LOW

Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	163	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	122000			P
7440-47-3	Chromium	6.6	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	8.9	U		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	65200			P
7439-96-5	Manganese	103			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2410	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.8	B		P
7440-23-5	Sodium	23000			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	8.5	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

MW-7

1760-7

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S14

Field: 94NF01S14

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	J. Redlin
Total Organic Carbon Concentration	3.6	(mg/L)		26-AUG-94	M. Knopp
Residue, Non- Filterable(TSS)	5	(mg/L)		29-AUG-94	M. Knopp

Reviewed by : Francis A. Awanya 10/27/94

1E *MW-7 Duplicate*
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

601 Grant St
 EPA SAMPLE NO.
Round 1
MW-7 Dupl
 EZQ24

000031

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 838405
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9910
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

601 Grant St
 EPA SAMPLE NO
Round 1
MU-7 Dupl
 EZQ24

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 838405
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9910
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

B *w/c*
10/5

601 Grant St
MW-7 Dup Round 1

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
MW-7 Duplicate

MEZB24

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB24

Level (low/med): LOW Date Received: 08/25/94

Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	162	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	13.5	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	67400			P
7439-96-5	Manganese	97.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	23.5	B		P
7440-09-7	Potassium	2470	B		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	22400			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	5.5	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW-7 Duplicate

MW-7 dup

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01D14

Field: 94NF01D14

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	J. Redden
Total Organic Carbon Concentration	3.8	(mg/L)		26-AUG-94	M. Kopp
Residue, Non- Filterable(TSS)	22.2	(mg/L)		29-AUG-94	M. Kopp

Reviewed by : Francis A. Arwanga 10/27/94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-7A

000035

601 Grant St
EPA SAMPLE NO.
Round 1

MW-7A
EZQ25

Lab Name: AATSLA Contract: 68-D2-0028
Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
Matrix: (soil/water) WATER Lab Sample ID: 838406
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9911
Level: (low/med) LOW Date Received: 08/25/94
% Moisture: not dec. _____ Date Analyzed: 08/27/94
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A *MW-7A*
 VOLATILE ORGANICS ANALYSIS DATA SHEET

000034

601 Grant St
 EPA SAMPLE NO.
Round 1
MW-7A
 EZQ25

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ20
 Matrix: (soil/water) WATER Lab Sample ID: 838406
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9911
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

B *Wdw.*
10/6/94

MW-7A

601 Grant St
Round 1
MW-7A 3

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB25

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB24

Matrix (soil/water): WATER Lab Sample ID: MEZB25

Level (low/med): LOW Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.3	U		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	54.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	35000			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	27.8	B		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	14.7	B		P
7440-09-7	Potassium	1990	B		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	32800			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	2.2	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-7A

11760-7A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S15

Field: 94NF01S15

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	<i>J. Rodlin</i>
Total Organic Carbon Concentration	6.6	(mg/L)		01-SEP-94	<i>M. Zlotnick</i>
Residue, Non-Filterable (TSS)	19.7	(mg/L)		29-AUG-94	<i>M. Knopp</i>

Reviewed by : Francis A. Aranya 10/27/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J Indicates the associated value is an estimated quantity.
- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Indicates duplicate injection precision is not met.
- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- * Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E

320 ~~Land~~
S. 6th

SUMP
000106

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

320 ~~LAND~~
EZ018 S 6th St.

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ002

Matrix: (soil/water) WATER Lab Sample ID: 838305

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9891

Level: (low/med) LOW Date Received: 08/25/94

% Moisture: not dec. _____ Date Analyzed: 08/27/94

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A **320 ~~Land~~ S. 6th E9 SUMP**
 VOLATILE ORGANICS ANALYSIS DATA SHEET **000105**

EPA SAMPLE NO

320 ~~Land~~ S. 6th E9 SUMP
 EZQ18 S 6th

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZQ02
 Matrix: (soil/water) WATER Lab Sample ID: 838305
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9891
 Level: (low/med) LOW Date Received: 08/25/94
 % Moisture: not dec. _____ Date Analyzed: 08/27/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>g</u>
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

320 Sump

17

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB18

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB18

Level (low/med): LOW Date Received: 08/25/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	161	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	28.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	72100			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	5.9	B		P
7439-89-6	Iron	61.9	B		P
7439-92-1	Lead	5.8		WN	F
7439-95-4	Magnesium	29200			P
7439-96-5	Manganese	4.0	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2990	B		P
7782-49-2	Selenium	1.3	B	N	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	39400			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	4.2	B		P
7440-66-6	Zinc	19.2	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

320 S. 6TH

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S21

Field: 94NF01S21

Collected: 24-AUG-94 /

Received: 25-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	25-AUG-94	<i>J. Redlin</i>

Reviewed by : Francis A. Awanga 10/27/94

SUMP

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provide:

- U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J Indicates the associated value is an estimated quantity.
- R Indicates the data are unusable. (Note: The analyte may or may not be present.)
- UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
- E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Indicates duplicate injection precision is not met.
- N Indictaes the spike sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- * Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-108

1109 S 6th St
Round
EPA SAMPLE NO

000056

MW-108
EZQ08

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDB No.: EZQ02
 Matrix: (soil/water) WATER Lab Sample ID: B37004
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9934
 Level: (low/med) LOW Date Received: 08/24/94
 % Moisture: not dec. _____ Date Analyzed: 08/29/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

MW-108B sampled
only for Cr^{VI}
(couldn't get sample
due to lack of \$0)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-108 000055

11095 6th St
EPA SAMPLE NO
Round 1
MW-108
EZ008

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ002
 Matrix: (soil/water) WATER Lab Sample ID: 837004
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M9934
 Level: (low/med) LOW Date Received: 08/24/94
 % Moisture: not dec. _____ Date Analyzed: 08/29/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	7	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

1
INORGANIC ANALYSES DATA SHEET

MEZB08

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB08

Level (low/med): LOW Date Received: 08/24/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.1	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	0.90	U		F
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	2.8	U		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	8.9	U		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	51400			P
7439-96-5	Manganese	55.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2230	B		P
7782-49-2	Selenium	0.70	U	WN	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	13900			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	41.6			P
	Cyanide	19.9			CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

MW-108

MW-108

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
 PLATING

Sample: 94NF01S02

Field: 94NF01S02

Collected: 23-AUG-94 /

Received: 24-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	24-AUG-94	<u>J. Redlin</u>
Total Organic Carbon Concentration	3	(mg/L)	<u>U MF</u> <u>9/1/94</u>	26-AUG-94	<u>M. Fletcher</u>
Residue, Non- Filterable(TSS)	8.4	(mg/L)		29-AUG-94	<u>M. Krupp</u>

Reviewed by : Francis A. Arwanya 10/27/94

11095 6th St
 Round 1

MW-108A

1109 S. 6th St
Round 1
EPA SAMPLE NO

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000061

MW-108A
EZ009

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDG No.: EZ002

Matrix: (soil/water) WATER Lab Sample ID: 837005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2639

Level: (low/med) LOW Date Received: 08/24/94

% Moisture: not dec. _____ Date Analyzed: 09/01/94

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

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
_____	_____	_____	_____	_____

1A MW-108A **000060**
 VOLATILE ORGANICS ANALYSIS DATA SHEET

1109 S. 6th St
 EPA SAMPLE NO.
Round 1
MW-108A
 EZQ09

Lab Name: AATSLA Contract: 68-D2-0028
 Lab Code: AATSLA Case No.: 22593 SAS No.: _____ SDB No.: EZQ02
 Matrix: (soil/water) WATER Lab Sample ID: 837005
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B2639
 Level: (low/med) LOW Date Received: 08/24/94
 % Moisture: not dec. _____ Date Analyzed: 09/01/94
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

1109 S Sixth St
 MW-108A (Round)
 9

1
 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZB09

Lab Name: SVL_ANALYTICAL_INC. Contract: 68-D20042

Lab Code: SILVER Case No.: 22593 SAS No.: SDG No.: MEZB02

Matrix (soil/water): WATER Lab Sample ID: MEZB09

Level (low/med): LOW Date Received: 08/24/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.2	B		P
7440-36-0	Antimony	28.5	U		P
7440-38-2	Arsenic	1.6	B		F
7440-39-3	Barium	45.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.9	U		P
7440-70-2	Calcium	30000			P
7440-47-3	Chromium	3.0	B		P
7440-48-4	Cobalt	4.1	U		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	8.9	U		P
7439-92-1	Lead	1.0	U	WN	F
7439-95-4	Magnesium	13400			P
7439-96-5	Manganese	55.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.3	U		P
7440-09-7	Potassium	2030	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	2.7	B		P
7440-23-5	Sodium	29300			P
7440-28-0	Thallium	0.90	U		F
7440-62-2	Vanadium	3.5	U		P
7440-66-6	Zinc	42.6			P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-108A

MW-108A

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 08-SEP-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER-HYDROSEARCH
Laboratory: ESAT

Sample Batch ID: 940142
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S03

Field: 94NF01S03

Collected: 23-AUG-94 /

Received: 24-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	24-AUG-94	<i>J. Redlin</i>
Total Organic Carbon Concentration	5.2	(mg/L)		26-AUG-94	<i>M. Zwickler</i>
Residue, Non- Filterable(TSS)	5.6	(mg/L)		29-AUG-94	<i>M. Knopp</i>

Reviewed by : *Travis A. Avanya* *10/27/94*

MW-108B

MW-108B

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT for the team: MINERALS-NUTRIENTS

Report produced on: 26-OCT-94

Sample Organization: SUPERFUND
Sample Requestor: JUDY FOSSBENDER
Laboratory: ESAT

Sample Batch ID: 940144
Account NO: TFA301
Facility: BETTER BRITE
PLATING

Sample: 94NF01S34

Field: 94NF01S34

Collected: 30-AUG-94 /

Received: 31-AUG-94

Parameter	Result	(Units)	QUALIFIERS	Anal. Date	Analyst
Chromium(VI)	10	(ug/L)	U	31-AUG-94	<i>J. Rossi</i>

Reviewed by : Tracy A. Arwaga 11/31/94

1109 S. 6th St
Round 1