50-02
4-27-98

1325 Dills Cove Rd.
Sylva, NC 28779

MOUNTAIN GEOLOGY, INC.

Phone & Fax
(704) 586-3955

Fac/Perm/Co ID #	Date	Doc ID#
BC	6/5/98	DIN

05/27/97

TO: Solid Waste Section
Attn: Larry Rose
P. O. Box 27687
Raleigh, NC 27611-7687

RE: Jackson County Landfill
Appendix I Sampling
(04/27/98)

Attached are the following — not included

- Field measurements
- Analyses above background
- Groundwater flow direction & rate
- Analyses
- Chain of custody
- Bailer certification

using same flow rate for each sampling event even though gradient changes.

Please contact me if you need further information.

Michael H. Owens
MICHAEL H. OWENS

- statistics

Jackson County Landfill - Monitor Wells

Summary of Analyses above Background

04/27/98 Sampling

Metals			
Monitor well	Analyte	Detection Limit or Background (mg/l)	Analysis (mg/l)
1	Cobalt	0.005	0.060
	Barium	0.030+/- 0.033	0.066
3	Cobalt	0.005	0.012
	Barium	0.030+/- 0.033	0.065
4	Barium	0.030+/- 0.033	0.320
5	Cadmium	0.001	0.001
	Cobalt	0.005	0.006
	Barium	0.030+/- 0.033	0.120
	Zinc	0.031+/- 0.086	0.450

Jackson County Landfill - Monitor Wells

Summary of Analyses above Background

04/27/98 Sampling

Organics

Monitor well	Analyts	Detection Limit or Background (ug/l)	Analysis (ug/l)
1	chlorobenzene	0.50	0.55
	chloromethane	0.50	2.11
	2-chlorotoluene	0.50	1.19
	1,4-dichlorobenzene	0.50	3.97
	1,2-dichloroethane	0.50	5.55
	cis-1,2-dichloroethene	0.50	4.49
	1,2-dichloropropane	0.50	1.78
	methylene chloride	0.50	83.50
	MTBE	0.50	1.13
	tetrachlorethene	0.50	4.01
	1,1,1-trichloroethane	0.50	2.36
	trichloro-fluoromethane	0.50	15.9
	1,2,4-trimethylbenzene	0.50	2.17
	1,3,5-trimethylbenzene	0.50	0.54
	vinyl chloride	0.50	1.94
	xylenes	0.50	29.09
3	benzene	0.50	1.87
	chlorobenzene	0.50	2.84

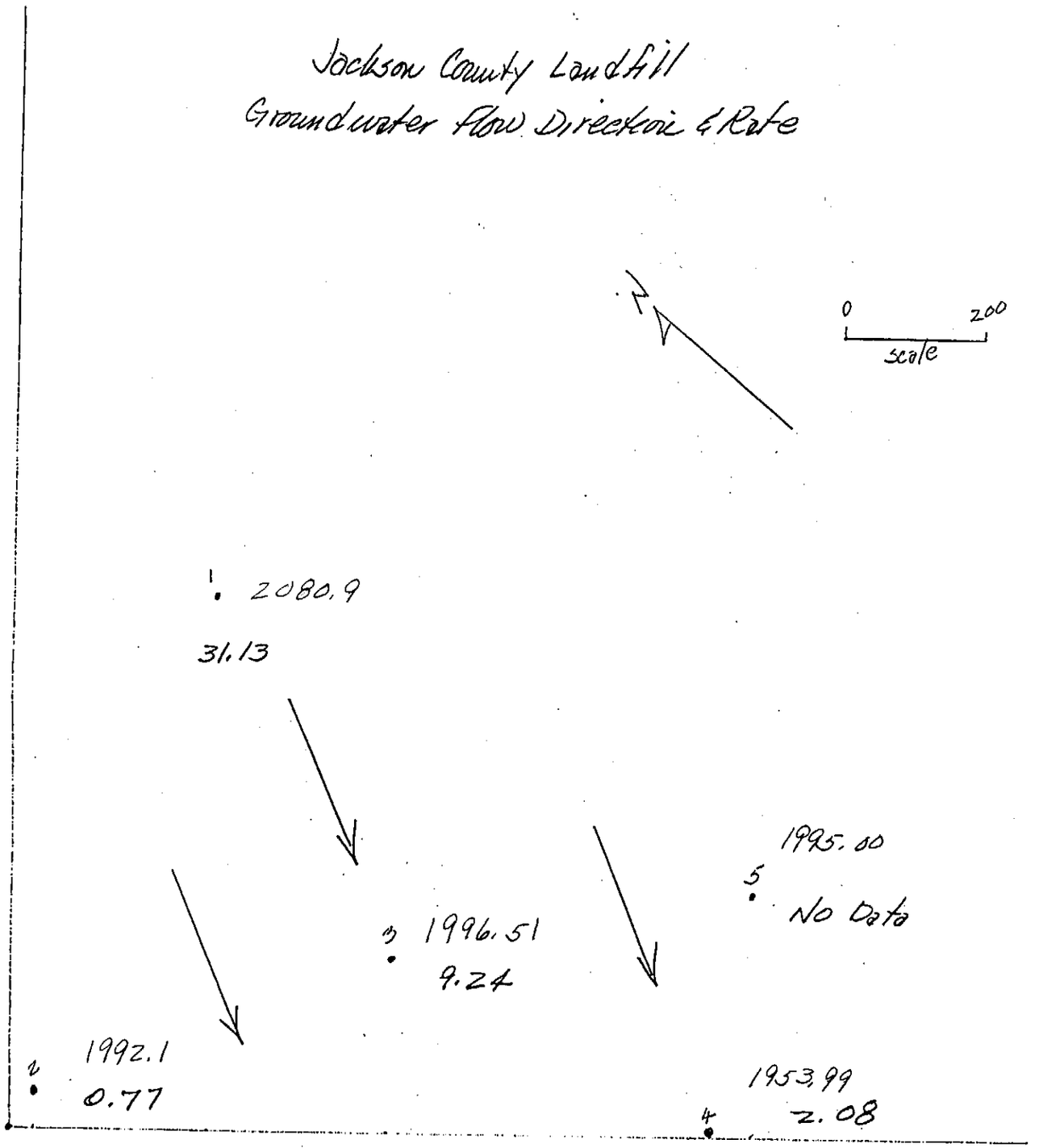
04/27/98 analyses (Orgnics)

	chloroethane	0.50	1.14
	2-chlorotoluene	0.05	0.55
	1,4-dichlorobenzene	0.50	2.19
	cis-1,2-dichloroethene	0.50	2.25
	MTBE	0.50	0.59
	1,2,4-trimethylbenzene	0.50	0.58
	vinyl chloride	0.50	0.80
4	benzene	0.50	2.00
	chlorobenzene	0.50	1.89
	chloroethane	0.50	2.47
	1,4-dichlorobenzene	0.50	3.92
	dichlorodi-fluoromethane	0.50	1.45
	1,1-dichloroethane	0.638+/-1.62	2.79
	cis-1,2-dichloroethene	0.50	18.20
	tetrachloroethene	0.50	4.38
	trichloroethene	0.50	2.39
	vinyl chloride	0.50	2.01
5	benzene	0.50	4.83
	chlorobenzene	0.50	1.69
	chlorethane	0.50	1.79
	1,4-dichlorobenzene	0.50	11.10
	dichlorodiflouoro-methane	0.50	1.20

04/27/98 analyses (organics)

1,1-dichloroethane	0.638 +/- 1.62	3.19
cis-1,2-dichloroethene	0.50	55.70
IPE	0.50	0.89
MTBE	0.50	1.39
tetrachloroethene	0.50	1.51
trichloroethene	0.50	0.99
vinyl chloride	0.50	2.56

Jackson County Landfill
Groundwater Flow Direction & Rate



Explanation

3 • monitor well

1944.5 water elevation (4/26/98)

4.51 flow rate (Law Engineering Report, 3/23/94)

→ flow direction

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120138 SAMPLE ID- JACKSON CO MW-1 SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98 TIME SAMPLED- 1015
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/07/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	0.060	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.066	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.086	mg/l	0.010

LABORATORY DIRECTOR Lori J. Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

P.O. BOX 18029 ASHEVILLE NC 28814-0029
828-254-5169 FAX: 828-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120139 SAMPLE ID- JACKSON CO MW-2 SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98 TIME SAMPLED- 1130
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/07/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.029	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.041	mg/l	0.010

LABORATORY DIRECTOR Lori J Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

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HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120140 SAMPLE ID- JACKSON CO MW-3 SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98 TIME SAMPLED- 1145
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/07/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	0.012	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.065	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	< 0.010	mg/l	0.010

LABORATORY DIRECTOR Lori Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

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HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120141 SAMPLE ID- JACKSON CO MW-4
DATE SAMPLED- 04/27/98
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

SAMPLE MATRIX- WW
TIME SAMPLED- 1045
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/07/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.006	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.320	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.048	mg/l	0.010

LABORATORY DIRECTOR Lori J Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

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HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120142 SAMPLE ID- JACKSON CO MW-5
DATE SAMPLED- 04/27/98
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/07/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	0.006	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.011	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.120	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.450	mg/l	0.010

LABORATORY DIRECTOR Lori D Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

P.O. BOX 18029 ASHEVILLE NC 28814-0029
828-254-5169 FAX: 828-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120143 SAMPLE ID- JACKSON CO UPSTREAM SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98 TIME SAMPLED- 1115
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/08/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.008	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.015	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.009	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.340	mg/l	0.010

LABORATORY DIRECTOR Lori J Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

P.O. BOX 18029 ASHEVILLE NC 28814-0029
828-254-5169 FAX: 828-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120144 SAMPLE ID- JACKSON CO DOWNSTREAM SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98 TIME SAMPLED- 1100
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/08/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.004	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.014	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.088	mg/l	0.010

LABORATORY DIRECTOR Lou J Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

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HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120145 SAMPLE ID- JACKSON CO EQ BLANK SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/08/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.009	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	0.230	mg/l	0.010

LABORATORY DIRECTOR Lou Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

P.O. BOX 18029 ASHEVILLE NC 28814-0029
828-254-5169 FAX: 828-252-9711 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

MOUNTAIN GEOLOGY
1325 DILLS COVE ROAD
SYLVA, NC 28779-
Attn: MIKE OWENS

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 05/28/98

SAMPLE NUMBER- 120146 SAMPLE ID- JACKSON CO TRIP BLANK SAMPLE MATRIX- WW
DATE SAMPLED- 04/27/98
DATE RECEIVED- 04/27/98 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 1510 DELIVERED BY- MIKE OWENS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	05/01/98	LJP	05/08/98	LJP	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	05/01/98	LJP	05/13/98	LJP	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	05/01/98	LJP	05/05/98	LJP	0.004	mg/l	0.003
SELENIUM, TOTAL	270.2	05/01/98	LJP	05/11/98	LJP	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	05/01/98	LJP	05/14/98	LJP	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	05/01/98	LJP	05/13/98	LJP	< 0.001	mg/l	0.001
ANTIMONY, TOTAL	204.2	05/01/98	LJP	05/13/98	LJP	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	0.005	mg/l	0.005
COPPER, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	05/01/98	LJP	05/07/98	LJP	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	05/01/98	LJP	05/28/98	LJP	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	05/01/98	LJP	05/05/98	LJP	< 0.010	mg/l	0.010

LABORATORY DIRECTOR Lori Patton

NC DEHNR DEM #47
NC DEHNR DW #37717
SC DEHC #99015

P.O. BOX 18029 ASHEVILLE NC 28814-0029
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Chain of Custody Record

HYDROLOGIC, INC.

120123

Page 1 of 1

☒ Asheville, NC (704) 254-5169 ☐ Norcross, GA (770) 368-0636 ☐ Charlotte, NC (704) 392-1164 ☐ Frankfort KY (502) 223-0251 ☐ Morrisville, NC (919) 380-9699

☐ Lumberton, NC (910) 738-6190 ☐ Lexington, SC (303) 796-8989 ☐ Brighton, CO (303) 659-0497 ☐ Macon, GA (912) 757-0811 ☐ Orlando, FL (407) 851-2560

Client: Mountain Geology	Project No.: Jackson Co
Report Address: 1325 Dills Cove Rd Sylva, NC 28779	Invoice Address: same
Attn: MHOwens	Attn:
Phone No.: (828) 586-3955	Sampled By: MHOwens
Fax No.: "	P.O. No:
	State Samples Collected

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.

A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
E = Lexington, SC
G = Macon,GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Norcross, GA
O = Orlando, FL
S = Subcontracted

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	Appendix 1 - Metals	Appendix 1 - Organics									← Preserv.	REMARKS
MW-1	4/27/98	10:15	G	water	3	x	x										
MW-2	"	11:30	G	"	3	x	x										
MW-3	"	11:45	G	"	3	x	x										
MW-4	"	10:45	G	"	3	x	x										
MW-5	"	10:30	G	"	3	x	x										
U	"	11:15	G	"	3	x	x										
D	"	11:00	G	"	3	x	x										
Eqpt Blnk				"	3	x	x										
Trip Blnk				"	4	x	x										
Lab Use Only	Custody Seal: ☐Yes ☐No ☐N/A					A	K									Init Lab Temp. <4°C	Rec. Lab Temp

COMMENTS:

Relinquished By: MHOwens	Date 4/27/98	Time 3:10P	Received By: Dinal Gual	Date 4/27/98	Time 1510
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only: Metals pH<2

HYDROLOGIC, INC.

ANALYTICAL AND QUALITY CONTROL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Enclosed is the Analytical and Quality Control Reports for the following samples submitted to HydroLogic - Frankfort for analysis:

Project Description: JACKSON 6

Sample Number	Sample Description	Matrix	Date Sampled	Date Received
15266	MW-1	WATER	04/27/1998	04/29/1998
15267	MW-2	WATER	04/27/1998	04/29/1998
15268	MW-3	WATER	04/27/1998	04/29/1998
15269	MW-4	WATER	04/27/1998	04/29/1998
15270	MW-5	WATER	04/27/1998	04/29/1998
15271	U	WATER	04/27/1998	04/29/1998
15272	D	WATER	04/27/1998	04/29/1998
15273	EQPT BLANK	WATER	04/27/1998	04/29/1998
15274	TRIP BLANK	WATER	04/27/1998	04/29/1998

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. All anlytical batch(es) are initiated at 8:00 a.m. unless otherwise flagged on report.

All samples were analyzed according to the RCRA guidelines described in SW-846, NPDES regulations, and Standard Methods for the Examination of Water and Wastewater.

Project Representative

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15266	MW-1	04/27/1998 10:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		0.55	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		2.11	0.50	ug/L		05/06/1998
2-Chlorotoluene		1.19	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		3.97	0.50	ug/L		05/06/1998

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15266	MW-1	04/27/1998 10:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		32.1	0.50	ug/L		05/06/1998
1,2-Dichloroethane		5.55	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		4.49	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		1.78	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		83.5	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		1.13	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO. 15266 — SAMPLE DESCRIPTION: MW-1 — DATE-TIME SAMPLED: 04/27/1998 10:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		4.01	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		2.36	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		15.9	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		2.17	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		0.54	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		1.94	0.50	ug/L		05/06/1998
m&p-Xylenes		20.0	0.50	ug/L		05/06/1998
o-Xylene		9.09	0.50	ug/L		05/06/1998
SURR: Toluene-d8		73		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		83		%		05/06/1998
SURR: 4-Bromofluorobenzene		101		%		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15267	MW-2	04/27/1998 11:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15267	MW-2	04/27/1998 11:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		3.07	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15267	MW-2	04/27/1998 11:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		77		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		83		%		05/06/1998
SURR: 4-Bromofluorobenzene		89		%		05/06/1998

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502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

ANALYTICAL REPORT

05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15268	MW-3	04/27/1998 11:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		1.87	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		2.84	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		1.14	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		0.55	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		2.19	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene						

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15268	MW-3	04/27/1998 11:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		2.52	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		2.25	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		0.59	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

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Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15268	MW-3	04/27/1998 11:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		0.58	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		0.80	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		70		%		05/06/1998
SURR: Toluene-d8		92		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		86		%		05/06/1998
SURR: 4-Bromofluorobenzene						

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1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15269	MW-4	04/27/1998 10:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		2.00	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		1.89	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		2.47	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		3.92	0.50	ug/L		05/06/1998

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MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15269	MW-4	04/27/1998 10:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		1.45	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		2.79	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		18.2	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15269	MW-4	04/27/1998 10:45

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		4.38	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		2.39	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		2.01	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		69		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		84		%		05/06/1998
SURR: 4-Bromofluorobenzene		108		%		05/06/1998

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ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15270	MW-5	04/27/1998 10:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		4.83	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		1.69	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		1.79	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		11.1	0.50	ug/L		05/06/1998

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05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15270	MW-5	04/27/1998 10:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		1.20	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		3.19	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		55.7	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		0.89	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		1.39	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

ANALYTICAL REPORT

05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO. 15270 | SAMPLE DESCRIPTION MW-5 | DATE-TIME SAMPLED 04/27/1998 10:30

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		1.51	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		0.99	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		2.56	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		92		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		76		%		05/06/1998
SURR: 4-Bromofluorobenzene		95		%		05/06/1998

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05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO. 15271 | SAMPLE DESCRIPTION U | DATE-TIME SAMPLED 04/27/1998 11:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene						

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15271	U	04/27/1998 11:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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ANALYTICAL REPORT

05/08/1998

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO. 15271 | SAMPLE DESCRIPTION U | DATE-TIME SAMPLED 04/27/1998 11:15

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		83		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		88		%		05/06/1998
SURR: 4-Bromofluorobenzene		101		%		05/06/1998

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ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15272	D	04/27/1998 11:00

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15272	D	04/27/1998 11:00

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15272	D	04/27/1998 11:00

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		77		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		85		%		05/06/1998
SURR: 4-Bromofluorobenzene		91		%		05/06/1998

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ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15273	EQPT BLANK	04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998

HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15273	EQPT BLANK	04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15273	EQPT BLANK	04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		77		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		85		%		05/06/1998
SURR: 4-Bromofluorobenzene		83		%		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO. 15274
SAMPLE DESCRIPTION: TRIP BLANK
DATE-TIME SAMPLED: 04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
8260B (AQ)	8260B					
Acetone		<50.0	50.0	ug/L		05/06/1998
Acrolein		<50.0	50.0	ug/L		05/06/1998
Acrylonitrile		<50.0	50.0	ug/L		05/06/1998
Benzene		<0.50	0.50	ug/L		05/06/1998
Bromobenzene		<0.50	0.50	ug/L		05/06/1998
Bromochloromethane		<0.50	0.50	ug/L		05/06/1998
Bromodichloromethane		<0.50	0.50	ug/L		05/06/1998
Bromoform		<0.50	0.50	ug/L		05/06/1998
Bromomethane		<0.50	0.50	ug/L		05/06/1998
n-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
sec-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
tert-Butylbenzene		<0.50	0.50	ug/L		05/06/1998
Carbon disulfide		<0.50	0.50	ug/L		05/06/1998
Carbon tetrachloride		<0.50	0.50	ug/L		05/06/1998
Chlorobenzene		<0.50	0.50	ug/L		05/06/1998
Chlorodibromomethane		<0.50	0.50	ug/L		05/06/1998
Chloroethane		<0.50	0.50	ug/L		05/06/1998
Chloroform		<0.50	0.50	ug/L		05/06/1998
Chloromethane		<0.50	0.50	ug/L		05/06/1998
2-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
4-Chlorotoluene		<0.50	0.50	ug/L		05/06/1998
2-Chloroethyl vinyl ether		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromo-3-chloropropane		<0.50	0.50	ug/L		05/06/1998
1,2-Dibromoethane		<0.50	0.50	ug/L		05/06/1998
Dibromomethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,3-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,4-Dichlorobenzene		<0.50	0.50	ug/L		05/06/1998

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15274	TRIP BLANK	04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Dichlorodifluoromethane		<0.50	0.50	ug/L		05/06/1998
trans-1,4-Dichloro-2-butene		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
cis-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
trans-1,2-Dichloroethene		<0.50	0.50	ug/L		05/06/1998
1,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,3-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
2,2-Dichloropropane		<0.50	0.50	ug/L		05/06/1998
1,1-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
cis-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
trans-1,3-Dichloropropene		<0.50	0.50	ug/L		05/06/1998
Ethanol		<1000	1000	ug/L		05/06/1998
Ethyl acetate		<20.0	20.0	ug/L		05/06/1998
Ethylbenzene		<0.50	0.50	ug/L		05/06/1998
Ethyl methacrylate		<10.0	10.0	ug/L		05/06/1998
2-Hexanone		<50.0	50.0	ug/L		05/06/1998
Hexachlorobutadiene		<0.50	0.50	ug/L		05/06/1998
Iodomethane		<10.0	10.0	ug/L		05/06/1998
Isopropylbenzene		<0.50	0.50	ug/L		05/06/1998
Isopropyl ether (IPE)		<0.50	0.50	ug/L		05/06/1998
p-Isopropyltoluene		<0.50	0.50	ug/L		05/06/1998
Methylene chloride		<0.50	0.50	ug/L		05/06/1998
2-Butanone (MEK)		<50.0	50.0	ug/L		05/06/1998
Methyl-tert-butyl ether (MTBE)		<0.50	0.50	ug/L		05/06/1998
4-Methyl-2-pentanone (MIBK)		<50.0	50.0	ug/L		05/06/1998
Naphthalene		<0.50	0.50	ug/L		05/06/1998
n-Propylbenzene		<0.50	0.50	ug/L		05/06/1998

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HYDROLOGIC, INC.

ANALYTICAL REPORT

Mike Owens
MOUNTAIN GEOLOGY
1325 Dills Cove Road
Sylva, NC 28779

05/08/1998

HydroLogic Job Number: 98.01112

Matrix Type: WATER

Client Project ID: JACKSON 6

SAMPLE NO.	SAMPLE DESCRIPTION	DATE-TIME SAMPLED
15274	TRIP BLANK	04/27/1998

Analyte	Method	Result	Rep. Limit	Units	Flags	Date Analyzed
Styrene		<0.50	0.50	ug/L		05/06/1998
1,1,1,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2,2-Tetrachloroethane		<0.50	0.50	ug/L		05/06/1998
Tetrachloroethene		<0.50	0.50	ug/L		05/06/1998
Toluene		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trichlorobenzene		<0.50	0.50	ug/L		05/06/1998
1,1,1-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
1,1,2-Trichloroethane		<0.50	0.50	ug/L		05/06/1998
Trichloroethene		<0.50	0.50	ug/L		05/06/1998
Trichlorofluoromethane		<0.50	0.50	ug/L		05/06/1998
1,2,3-Trichloropropane		<0.50	0.50	ug/L		05/06/1998
1,2,4-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
1,3,5-Trimethylbenzene		<0.50	0.50	ug/L		05/06/1998
Vinyl acetate		<0.50	0.50	ug/L		05/06/1998
Vinyl chloride		<0.50	0.50	ug/L		05/06/1998
m&p-Xylenes		<0.50	0.50	ug/L		05/06/1998
o-Xylene		<0.50	0.50	ug/L		05/06/1998
SURR: Toluene-d8		84		%		05/06/1998
SURR: 1,2-Dichloroethane-d4		88		%		05/06/1998
SURR: 4-Bromofluorobenzene		96		%		05/06/1998

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

Chain of Custody Record

HYDROLOGIC, INC.

Page 1 *of* 1

☒ Asheville, NC (704) 254-5169 ☐ Norcross, GA (770) 368-0636 ☐ Charlotte, NC (704) 392-1164 ☐ Frankfort KY (502) 223-0251 ☐ Morrisville, NC (919) 380-9699

☐ Lumberton, NC (910) 738-6190 ☐ Lexington, SC (303) 796-8989 ☐ Brighton, CO (303) 659-0497 ☐ Macon, GA (912) 757-0811 ☐ Orlando, FL (407) 851-2560

Client: Mountain Geology	Project No.: Jackson Co
Report Address: 1325 Dills Cove Rd Sylva, NC 28779	Invoice Address: same
Attn: MHOwens	Attn:
Phone No.: (828) 586-3955	Sampled By: MHOwens
Fax No.: "	P.O. No:
	State Samples Collected

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.

A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
E = Lexington, SC
G = Macon,GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Norcross, GA
O = Orlando, FL
S = Subcontracted

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	Appendix 1 - Metals	Appendix 1 - Organics								← Preserv.	REMARKS
MW-1	4/27/98	10:15	G	water	3	x	x									
MW-2	"	11:30	G	"	3	x	x									
MW-3	"	11:45	G	"	3	x	x									
MW-4	"	10:45	G	"	3	x	x									
MW-5	"	10:30	G	"	3	x	x									
U	"	11:15	G	"	3	x	x									
D	"	11:00	G	"	3	x	x									
Eqpt Blnk				"	3	x	x									
Trip Blnk				"	2	x	x									
Lab Use Only	Custody Seal: ☐ Yes ☐ No ☐ N/A					A	K								Init Lab Temp. <4°C	Rec. Lab Temp

COMMENTS:

Relinquished By: MHOwens	Date 4/27/98 Time 3:10P	Received By: [signature]	Date 4/28/98 Time 1510	Lab Use Only: Metals pH<2
Relinquished By: [signature]	Date 4/28/98 Time 1342	Received By: Jack Hale, Jr	Date 4-29-98 Time 10:00	
Relinquished By:	Date Time	Received By:	Date Time	
Relinquished By:	Date Time	Received By:	Date Time	

VOSS TECHNOLOGIES, INC
4227 CENTERGATE
SAN ANTONIO, TX 78217

BAILER CERTIFICATION

LOT: 0296-003

CLIENT: MOUNTAIN GEOLOGY

DESCRIPTION: 1 CASE SST-36-021 TEFLON BAILERS,
12 UNITS PER CASE

This is to certify that the entire lot described above, was manufactured under like conditions by Voss Products.

MEMO

DATE: _____

TO: ~~Jackson Co - App II 11-10-97~~

SUBJECT: _____

ppb

MW-2 - Tin - 390

MW-4 - Tin - 990

MW-5 - Tin - 1550

} App II detects.

MW-1 Benzene – 5

1,1-DCA – 41.7

1,1,1-Trichloroethane – 5

Xylenes – 29.5

MW-3 Chlorobenzene – 5.36

1,1-DCA – 5.32

MW-4 1,4-Dichlorobenzene – 5.92

1,1-DCA – 5.83

Cis-1,2-DCE – 33.5

PCE – 7.15 From: _____

North Carolina Department of Environment, Health, and Natural Resources

Printed on Recycled Paper

MW-5 - Benzene - 7.76
1,4-Dichlorobenzene - 11.3
1,1-DCA - 5
Cis-1,2-DCE - 72.6