50-0C
10-7-96

1325 Dills Cove Rd.
Sylva, NC 28779

MOUNTAIN GEOLOGY, INC.

Phone & Fax
(704) 586-3955

Fac/Perm/Co ID #	Date	Doc ID#
fc	10, 30, 96	DIN

10/30/96

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

RE: Jackson County Landfill
October, 1996 Water Sampling

Attached is the following information:

Field Measurements
Sample Analyses
Chain of Custody
Ground Water Flow Direction & Rate
Bailer Certification

Background statistics are being prepared and will be submitted to you shortly. ★

If you need further information, please contact me.

Sincerely,

Michael H. Owens

MICHAEL H. OWENS

1325 Dills Cove Rd.
Sylva, NC 28779

MOUNTAIN GEOLOGY, INC.

Phone & Fax
(704) 586-3955

10/30/96

Jackson County Landfill - 10/07/96 Sampling

field measurements

Station	temp °C	pH	cond. UMHO	depth to water (ft)
MW-1	17	N/A	79.1	90.8
MW-2	16	N/A	84.0	32.5
MW-3	16	N/A	133.6	52.4
MW-4	16	N/A	368.0	28.3
MW-5	16	N/A	373.0	45.0
U (upstream)	15	N/A	25.9	
D (downstream)	15	N/A	26.1	

Note: Malfunction of pH instrument, measurements not available

HYDROLOGIC, INC.

October 17, 1996

REPORTING:

Hydrologic-Asheville, Inc
122 Lyman Street
Asheville, NC 28801

INVOICING:

Hydrologic-Asheville, Inc
122 Lyman Street
Asheville, NC 28801

PROJECT NUMBER: FL9615868

DATE COMPLETED: October 17, 1996
DATE RECEIVED: October 10, 1996

PROJECT DESCRIPTION:

MOUNTAIN GEOLOGY/JACKSON CO.--9 water samples analyzed for 8260A Appendix I.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to **contact Beate Lynn at 1-800-728-2251.** We appreciate your business and look forward to serving you again soon.

Respectfully,

Benjamin Carl Esterle
Laboratory Director

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615868
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: #1
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/15/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite (methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
[redacted]	**71-43-2**	**0.001**	[redacted]
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	**75-00-3**	**0.001**	**0.00755** [redacted]
Chloroform	67-66-3	0.001	BDL
Chloroprene		0.01	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	**75-34-3**	**0.001**	**0.0217** [redacted]
1,2-Dichloroethane	107-06-2	0.001	BDL

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502.223.0251 FAX: 502.875.9016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615868
SAMPLE IDENTIFICATION: #1
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	**156-59-2**	**0.001**	**0.00287**
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	**100-41-4**	**0.001**	**0.00420**
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615868
SAMPLE IDENTIFICATION: #1
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
[redacted]	127-18-4	0.001	[redacted]
Toluene	108-88-3	0.001	0.00279
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	0.00434
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	0.00216
Trichlorofluoromethane	75-69-4	0.001	0.00210
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	0.0185

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615869
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: #2
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/15/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
Benzene	71-43-2	0.001	BDL
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.001	BDL
Chloroprene		0.01	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	75-34-3	0.001	BDL
1,2-Dichloroethane	107-06-2	0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615869
SAMPLE IDENTIFICATION: #2
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	156-59-2	0.001	BDL
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615869
SAMPLE IDENTIFICATION: #2
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	**108-88-3**	**0.001**	**0.00399**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615870
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: #3
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
[redacted]	**71-43-2**	**0.001**	[redacted]
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	**108-90-7**	**0.001**	**0.00475**
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.001	BDL
Chloroprene		0.01	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	**75-34-3**	**0.001**	**0.00588**
1,2-Dichloroethane	107-06-2	0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615870
SAMPLE IDENTIFICATION: #3
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	**156-59-2**	**0.001**	**0.00250**
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615870
SAMPLE IDENTIFICATION: #3
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	**108-88-3**	**0.001**	**0.00169**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615870
SAMPLE IDENTIFICATION: #3
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	**108-88-3**	**0.001**	**0.00169**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615871
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: #4
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
[redacted]	**71-43-2**	**0.001**	[redacted]
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	**108-90-7**	**0.001**	**0.00128**
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.001	BDL
Chloroprene		0.01	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	**106-46-7**	**0.001**	**0.00523**
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	**75-34-3**	**0.001**	**0.00404**
1,2-Dichloroethane	107-06-2	0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615871
SAMPLE IDENTIFICATION: #4
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	**156-59-2**	**0.001**	**0.0210**
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615871
SAMPLE IDENTIFICATION: #4
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
[redacted]	**127-18-4**	**0.001**	[redacted]
Toluene	**108-88-3**	**0.001**	**0.00241**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
[redacted]	**79-01-6**	**0.001**	[redacted]
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: [signature]

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS:

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615872
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: #5
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite (methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
[redacted]	**71-43-2**	**0.001**	[redacted]
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	**108-90-7**	**0.001**	**0.00224**
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.001	BDL
Chloroprene		0.01	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	**106-46-7**	**0.001**	**0.0115**
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	**75-34-3**	**0.001**	**0.00622**
1,2-Dichloroethane	107-06-2	0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615872
SAMPLE IDENTIFICATION: #5
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	**156-59-2**	**0.001**	**0.0588**
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
[redacted]	**78-87-5**	**0.001**	[redacted]
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615872
SAMPLE IDENTIFICATION: #5
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
[redacted]	**127-18-4**	**0.001**	[redacted]
Toluene	**108-88-3**	**0.001**	**0.00346**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
[redacted]	**79-01-6**	**0.001**	[redacted]
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
[redacted]	**75-01-4**	**0.001**	[redacted]
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: [signature]

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS:

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615873
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: U
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
Benzene	71-43-2	0.001	BDL
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.01	BDL
Chloroprene		0.001	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	75-34-3	0.001	BDL
1,2-Dichloroethane	107-06-2		

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615873
SAMPLE IDENTIFICATION: U
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	156-59-2	0.001	BDL
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615873
SAMPLE IDENTIFICATION: U
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	**108-88-3**	**0.001**	**0.00305**
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615874
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: D
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
Benzene	71-43-2	0.001	BDL
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	75-00-3	0.001	BDL
Chloroform	67-66-3	0.01	BDL
Chloroprene		0.001	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	75-34-3	0.001	BDL
1,2-Dichloroethane	107-06-2		

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615874
SAMPLE IDENTIFICATION: D
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	156-59-2	0.001	BDL
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite		0.001	BDL

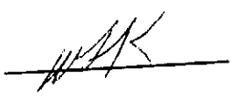
HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615874
SAMPLE IDENTIFICATION: D
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	108-88-3	0.001	BDL
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: 

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615875
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: EQPT BLK
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
Benzene	71-43-2	0.001	BDL
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	75-00-3	**0.001**	**0.00450**
Chloroform	**67-66-3**	0.01	BDL
Chloroprene		0.001	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	75-34-3	0.001	BDL
1,2-Dichloroethane	107-06-2		

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615875
SAMPLE IDENTIFICATION: EQPT BLK
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	156-59-2	0.001	BDL
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite			

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615875
SAMPLE IDENTIFICATION: EQPT BLK
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	108-88-3	0.001	BDL
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By: _____

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615876
HYDROLOGIC LAB ID #: 399
SAMPLE IDENTIFICATION: TRIP BLK
DATE SAMPLED: 10/7/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 10/16/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Acetone	67-64-1	0.01	BDL
Acetonitrite(methyl cyanide)		0.01	BDL
Acrolein	107-02-8	0.01	BDL
Acrylonitrile	107-13-1	0.001	BDL
Allyl chloride		0.001	BDL
Benzene	71-43-2	0.001	BDL
Bromochloromethane	74-97-5	0.001	BDL
Bromodichloromethane	75-27-4	0.001	BDL
Bromoform	75-25-2	0.001	BDL
Carbon Disulfide	75-15-0	0.001	BDL
Carbon Tetrachloride	56-23-5	0.001	BDL
Chlorobenzene	108-90-7	0.001	BDL
Chloroethane	75-00-3	**0.001**	**0.00418**
Chloroform	**67-66-3**	0.01	BDL
Chloroprene		0.001	BDL
Dibromochloromethane	124-48-1	0.001	BDL
1,2-Dibromo-3-chloropropane	96-12-8	0.001	BDL
1,2-Dibromoethane	106-93-4	0.001	BDL
1,2-Dichlorobenzene	95-50-1	0.001	BDL
1,3-Dichlorobenzene	541-73-1	0.001	BDL
1,4-Dichlorobenzene	106-46-7	0.001	BDL
trans-1,4-Dichloro-2-butene	110-57-6	0.001	BDL
Dichlorodifluoromethane	75-71-8	0.001	BDL
1,1-Dichloroethane	75-34-3	0.001	BDL
1,2-Dichloroethane	107-06-2		

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615876
SAMPLE IDENTIFICATION: TRIP BLK
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
1,1-Dichloroethylene	75-35-4	0.001	BDL
cis-1,2-Dichloroethylene	156-59-2	0.001	BDL
trans-1,2-Dichloroethylene	156-60-5	0.001	BDL
1,2-Dichloropropane	78-87-5	0.001	BDL
1,3-Dichloropropane	142-28-9	0.001	BDL
2,2-Dichloropropane	590-20-7	0.001	BDL
1,1-Dichloropropene	563-58-6	0.001	BDL
cis-1,3-Dichloropropene	10061-01-5	0.001	BDL
trans-1,3-Dichloropropene	10061-02-6	0.001	BDL
Ethylbenzene	100-41-4	0.001	BDL
2-Hexanone	591-78-6	0.001	BDL
Isobutyl Alcohol	78-83-1	0.001	BDL
Isodrin	465-73-6	0.001	BDL
Methacrylonitrite		0.001	BDL
Bromomethane	74-83-9	0.001	BDL
Chloromethane	74-87-3	0.001	BDL
2-Butanone	78-93-3	0.001	BDL
Methyl Iodide		0.001	BDL
Methyl methacrylate	80-62-6	0.001	BDL
4-Methyl-2-pentanone	108-10-1	0.001	BDL
Dibromomethane	74-95-3	0.001	BDL
Methylene Chloride	75-09-2	0.001	BDL
Naphthalene	91-20-3	0.001	BDL
Propionitrite			

HYDROLOGIC, INC.

COMPANY NAME: Hydrologic-Asheville, Inc
COMPANY PROJECT NUMBER: MOUNTAIN GOEOLOGY/JACKSON CO.

HYDROLOGIC PROJECT NUMBER: FL9615868
HYDROLOGIC SAMPLE NUMBER: 9615876
SAMPLE IDENTIFICATION: TRIP BLK
DATE SAMPLED: 10/7/96

METHOD 8260A Appendix I

ANALYSIS	CAS NO.	SDL (mg/l)	RESULT (mg/l)
Styrene	100-42-5	0.001	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.001	BDL
1,1,2,2-Tetrachloroethane	79-34-5	0.001	BDL
Tetrachloroethylene	127-18-4	0.001	BDL
Toluene	108-88-3	0.001	BDL
1,2,4-Trichlorobenzene	120-82-1	0.001	BDL
1,1,1-Trichloroethane	71-55-6	0.001	BDL
1,1,2-Trichloroethane	79-00-5	0.001	BDL
Trichloroethylene	79-01-6	0.001	BDL
Trichlorofluoromethane	75-69-4	0.001	BDL
1,2,3-Trichloropropane	96-18-4	0.001	BDL
Vinyl Acetate	108-05-4	0.001	BDL
Vinyl Chloride	75-01-4	0.001	BDL
Xylenes (Total)	1330-20-7	0.001	BDL

Authorized By:

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS:

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92931 SAMPLE ID- JACKSON CO #TB SAMPLE MATRIX- WW
DATE SAMPLED- 10/05/96 RECEIVED BY- DHT
DATE RECEIVED- 10/09/96 SAMPLER- NOT SPECIFIED
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	10/15/96	BDL	0.042	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92930 SAMPLE ID- JACKSON CO #EQ
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1930
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL 10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.011	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL 10/15/96	BDL	0.267	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92929 SAMPLE ID- JACKSON CO #D
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1830
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	10/12/96	BDL	0.024	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	10/15/96	BDL	0.026	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92928 SAMPLE ID- JACKSON CO #U
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1845
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL 10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.016	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL 10/15/96	BDL	0.109	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92927 SAMPLE ID- JACKSON CO #5
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1745
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL 10/12/96	BDL	0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL 10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.149	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL 10/15/96	BDL	0.076	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / 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: 10/18/96

SAMPLE NUMBER- 92926 SAMPLE ID- JACKSON CO #4
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1815
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL	10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL	10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL	10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL	10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL	10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL	10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL	10/12/96	BDL	0.374	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL	10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL	10/15/96	BDL	0.284	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92925 SAMPLE ID- JACKSON CO #3
DATE SAMPLED- 10/07/96
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

SAMPLE MATRIX- WW
TIME SAMPLED- 1715
RECEIVED BY- DHT

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL	10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL	10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL	10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL	10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL	10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL	10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL	10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL	10/12/96	BDL	0.063	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL	10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL	10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL	10/15/96	BDL	0.049	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92924 SAMPLE ID- JACKSON CO #2 SAMPLE MATRIX- WW
DATE SAMPLED- 10/07/96 TIME SAMPLED- 1655
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL 10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.023	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL 10/15/96	BDL	0.088	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

PROJECT NAME: MTN GEOLOGY
REPORT DATE: 10/18/96

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

SAMPLE NUMBER- 92923 SAMPLE ID- JACKSON CO #1 SAMPLE MATRIX- WW
DATE SAMPLED- 10/07/96 TIME SAMPLED- 1630
DATE RECEIVED- 10/09/96 SAMPLER- MH OWENS RECEIVED BY- DHT
TIME RECEIVED- 0805 DELIVERED BY- LYNN BLACK

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	BY	RESULT	UNITS	DET. LIMIT
ARSENIC, TOTAL	206.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
BERYLLIUM, TOTAL	210.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CADMIUM, TOTAL	213.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
CHROMIUM, TOTAL	218.2	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
COBALT, TOTAL	219.2	10/09/96	BDL 10/12/96	BDL	0.014	mg/l	0.005
LEAD, TOTAL	239.2	10/09/96	BDL 10/14/96	LJP	< 0.003	mg/l	0.003
SELENIUM, TOTAL	270.2	10/09/96	BDL 10/16/96	BDL	< 0.003	mg/l	0.003
SILVER, TOTAL	272.2	10/09/96	BDL 10/15/96	BDL	< 0.001	mg/l	0.001
THALLIUM, TOTAL	279.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
ANTIMONY, TOTAL	204.2	10/09/96	BDL 10/17/96	BDL	< 0.003	mg/l	0.003
BARIUM, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.054	mg/l	0.005
COPPER, TOTAL	200.7	10/09/96	BDL 10/12/96	BDL	0.005	mg/l	0.005
NICKEL, TOTAL	200.7	10/09/96	BDL 10/14/96	BDL	< 0.005	mg/l	0.005
VANADIUN, TOTAL	286.2	10/09/96	BDL 10/12/96	BDL	< 0.005	mg/l	0.005
ZINC, TOTAL	200.7	10/09/96	BDL 10/15/96	BDL	0.127	mg/l	0.010

LABORATORY DIRECTOR

P.O. BOX 18029 ASHEVILLE NC 28814-0029
704-258-3746 FAX: 704-258-3973 / TOLL FREE: 800-344-5759

Chain of Custody Record

HYDROLOGIC, INC.

92923 → 92931

Page ____ *of* ____

☒ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ 263 Branchview Drive SE, Concord, NC 28025, (704) 786-3322, FAX (704) 786-2999
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 2082 Trade Ctr Way #103, Naples, FL 33942, (813) 597-6059, FAX (813) 597-7056

Client: Mountain Geology
Project No.: Jackson Co
Report Address: 1325 Dills Cove Rd, Sylva, NC 28779
Invoice Address:
Attn: M H Owens
Attn:
Phone No.: (704) 586-3955
Sampled By: M H Owens
Fax No.: (704) 586-3955
P.O. No:

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours Date Needed: ____
☒ 5 Days ☐ 10 Days ☐ Other ____

REQUESTED PARAMETERS

FL96158 68

LAB CODE I.D.
A = Asheville, NC
C = Concord, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Naples, FL
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Preserv.	Containers	Appendix I organics	Appendix I metals									REMARKS
1	10/7/96	4:30P	G	water	HCl/Hnos	5	X	X		3							
2	10/7/96	4:55P	G	water	"	5	X	X		3							
3	10/7/96	5:15P	G	water	"	5	X	X		3							
4	10/7/96	6:15P	G	water	"	5	X	X		4-40ml							
5	10/7/96	5:45P	G	water	"	5	X	X		3							
U	10/7/96	6:45P	G	water	"	5	X	X		2-40ml							
D	10/7/96	6:30P	G	water	"	5	X	X		3							
Eqpt Blnk	10/7/96	7:30	G	water	"	2	X	X		1							
Trip Blnk	–	–	–	water	–	2	X	X		1							
Lab Use Only			Custody Seal: ☐Yes ☐No ☐N/A				K	A									Init Lab Temp. <4°C; Rec. Lab Temp REC. ON ICE

COMMENTS:

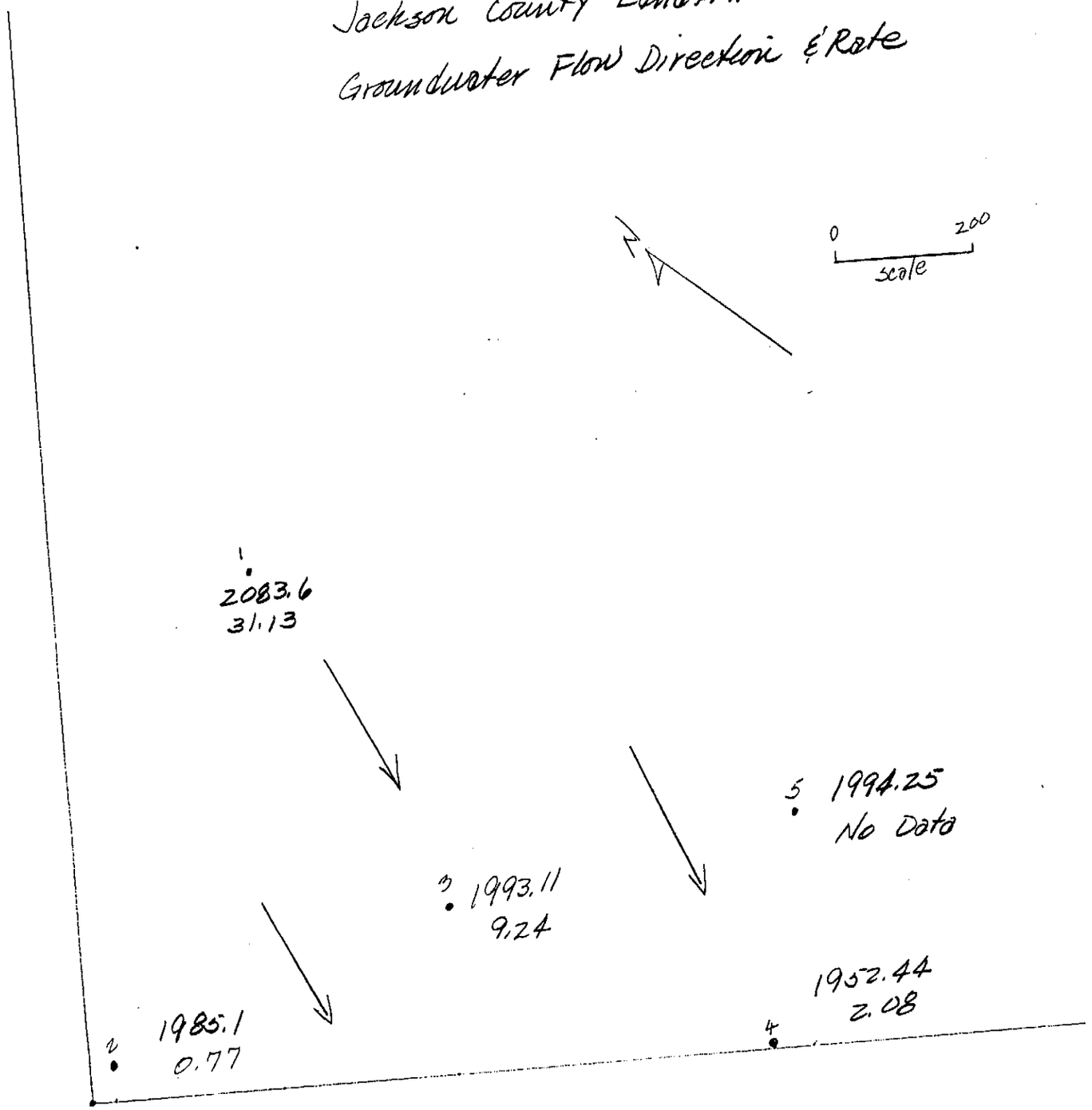
TRK # 3093706725

Relinquished By:	Date	Time	Received By:	Date	Time
M H Owens	10/8	3:55P	Lyn B Black	10-8-96	355
Lyn B Black	10-9-96	8:05	Dinah Traml	10/9/96	0805
Dinah Traml	10/9/96	1600	Lilitha Cox	10-10	11:00

State Samples Collected: NC

Lab Use Only:

Jackson County Landfill
Groundwater Flow Direction & Rate



Explanation

3 • Monitor well

1944.5 water elevation (10/7/96)

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

flow direction

Voss Products
4227 Centergate
San Antonio, TX 78217
(210) 650-3124

Bailer Certification

Lot: 0796-014

Client: MOUNTAIN GEOLOGY

Description: 1 CASEOF SST-36-021, 36 " TEFLON
12 UNITS PER CASE
1 CASE OF RDT-031, TEFLON VOC
12 UNITS PER CASE
1 CASE 91946-SW, 36" POLYETHYLENE
24 UNITS PER CASE
1 CASE 12451, POLYETHYLENE VOC
24 UNITS PER CASE

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