MOUNTAIN
Environmental Group

environmental consulting • assessment • remediation • waste management

March 25, 2013

Mr. David Stout
Furniture Brands
815 Visionary Street
Lenoir, NC 28645

RE: Groundwater Assessment
Lane Venture Plant 14
Conover, NC

Dear Mr. Stout:

Mountain Environmental Group (Mountain Environmental) conducted groundwater assessment activities at the Lane Venture Plant #14 site in Conover, NC the week of February 18, 2013. Three groundwater monitoring wells were installed in order to assess for the presence/absence of volatile organic compounds (VOCs) and to determine the groundwater flow direction. **Figure 1** is an aerial photograph obtained from the Catawba County GIS website. Monitoring well locations are indicated on the aerial photograph. Groundwater assessment activities are described below.

Background

The Lane Venture Plant #14 facility is located at 1405 Deborah Herman Road in Conover, NC. The site is located in an area of Conover that is developed for light manufacturing activities. Lane Venture manufactures outdoor furniture made of wood, wicker and/or aluminum. The wicker and aluminum frames are imported and not manufactured on site. The wood is cut, rough machined, finish machined, assembled, glued and upholstered. Plant #14 was built in 1969 and has been used since that time for furniture manufacturing activities. The current environmental assessment was conducted in relation to recent real estate/refinancing activities.

Monitoring Well Installation

Three monitoring wells (MW-1, MW-2 and MW-3) were installed by hollow stem auger method on February 18 and 19, 2013. The wells are constructed of 2-inch diameter Schedule 40 PVC and screened from 45 to 65 feet below ground surface (bgs). Soil encountered varied between silty and clayey sands. The top-of-casing elevations were surveyed and tied to an on-site datum on February 21, 2012. The depths to groundwater ranged from 47.21 feet in MW-1 to 51.29 feet in MW-3. Apparent groundwater flow direction is to the west. Well gauging data is shown on **Figure 1**. Well

1560 Pisgah Drive
Canton, NC 28716

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(800) 261-0031
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Environmental Group

construction details are summarized in **Table 1**. Monitoring well construction records are included as **Appendix A**.

Groundwater Sampling

Groundwater samples were collected from all three wells on February 21, 2013. Sampling was conducted by means of disposable polyethylene bailers. The groundwater samples were analyzed for VOCs by Method 8260 at Pace Analytical in Asheville, NC.

Laboratory results indicate that monitoring wells MW-1 and MW-2 contain VOC concentrations above the NCAC 2L Standards. The sample from MW-1 contained 1,1-dichloroethane at a concentration of 17.9 micrograms per liter (ug/L). This exceeds the NCAC 2L Standard of 6.0 ug/L for 1,1-dichloroethane. The sample from MW-2 contained bromodichloromethane at a concentration of 3.9 ug/L and dibromochloromethane at a concentration of 2.5 ug/L. These concentrations exceed the NCAC 2L Standards of 0.6 ug/L and 0.4 ug/L for bromodichloromethane and dibromochloromethane, respectively. Laboratory results are shown on **Figure 2** and summarized in **Table 2**. The laboratory analytical report is included as **Appendix B**.

Conclusions and Recommendations

Laboratory results from the groundwater sampling activities indicate that concentrations of the VOCs 1,1-dichloroethane, bromodichloromethane and dibromochloromethane exceed the corresponding NCAC 2L Standards. The North Carolina Department of the Environment and Natural Resources – Inactive Hazardous Sites Branch (IHSB) is required to be notified of the NCAC 2L exceedances. Mountain Environmental recommends that a copy of this report be forwarded to IHSB for review.

Sincerely,
Mountain Environmental Group

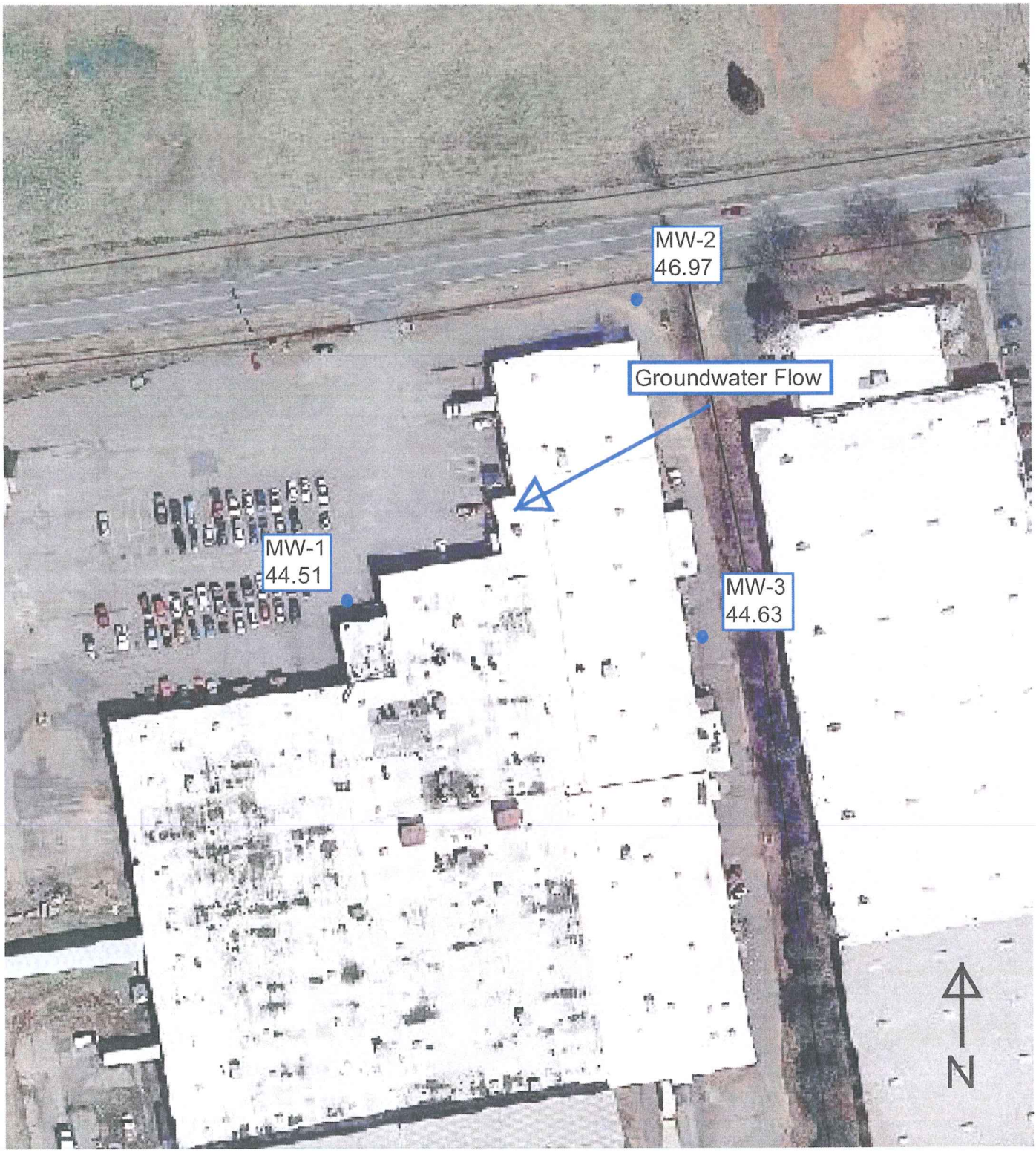
NORTH CAROLINA LICENSED SEAL 2026 GEOLOGIST JUSTIN D. MAHAN

Judd Mahan, PG

Attachments

FIGURES

Lane Venture

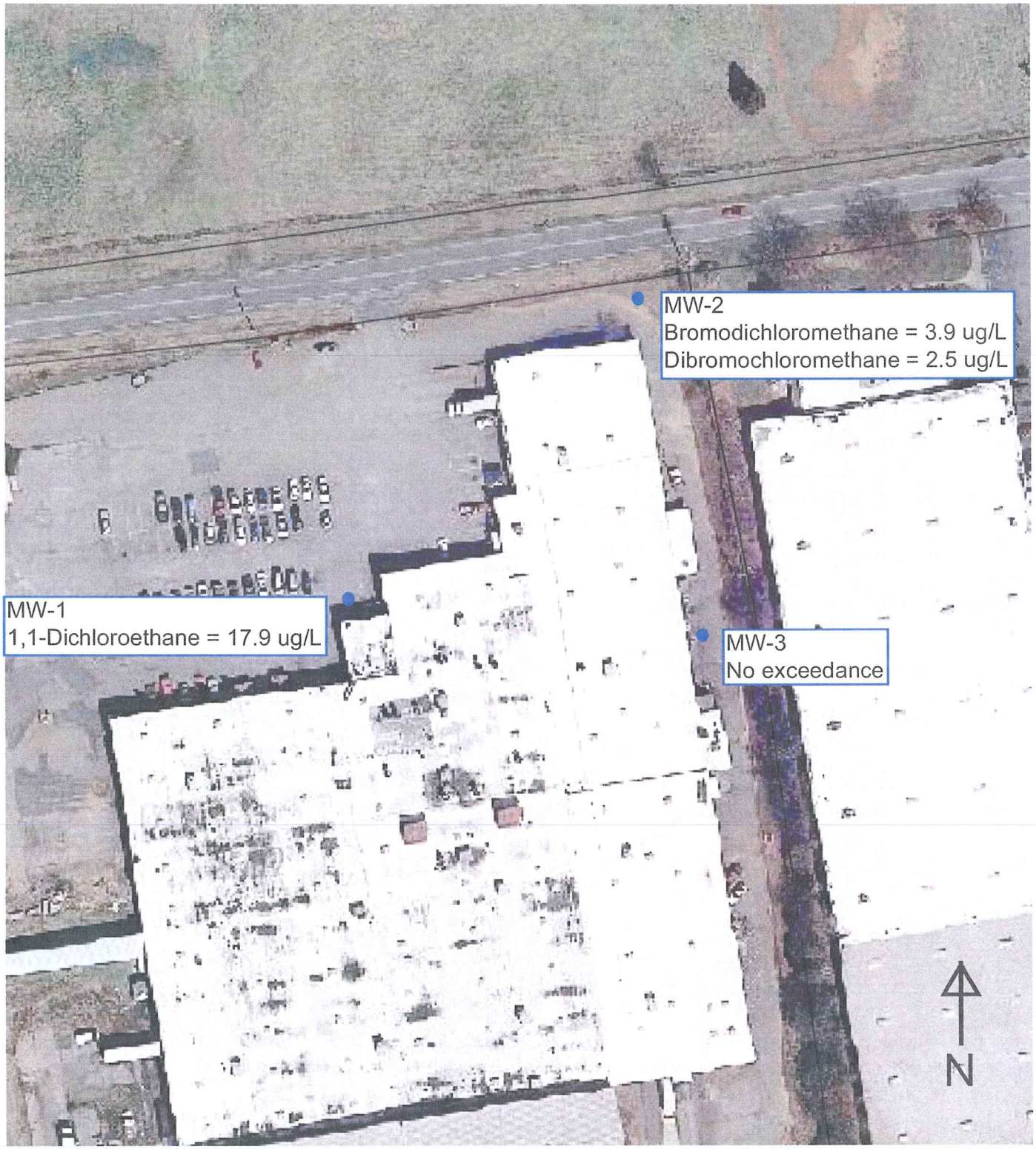


MW-1
44.51 Well ID and groundwater elevation on 2/21/13.

Groundwater elevations are relative to an on-site datum.

Figure 1
Well Location Map
Lane Venture Plant 14
Conover, NC

Lane Venture



MW-1
1,1-Dichloroethane = 17.9 ug/L

Well ID and groundwater parameter(s) which exceed NCAC 2L Standards.

ug/L = micrograms per liter
Samples were collected 2/21/13.

Figure 2
Groundwater Quality Map
Lane Venture Plant 14
Conover, NC

TABLES

Table 1
Monitoring Well Construction Details
Lane Venture Plant 14
Conover, North Carolina

Well	Well Type	Date Installed	TOC Elevation[2] (ft)	Depth to Groundwater	Groundwater Elevation	Well Diameter (inches)	Screened Interval[1] (ft)			Total Depth[1] (ft)
MW-1	Type II	02/18/13	91.72	47.21	44.51	2"	45.00	-	65.00	65.00
MW-2	Type II	02/18/13	95.94	48.97	46.97	2"	45.00	-	65.00	65.00
MW-3	Type II	02/19/13	95.92	51.29	44.63	2"	45.00	-	65.00	65.00

NOTES:
1. All depths recorded in feet below ground surface.
2. TOC = Top Of Casing.
3. Depths to groundwater were measured 2/21/13.

Table 2
Groundwater Analytical Results
Lane Venture
Conover, NC

		Bromodichloro methane	Chloroform	Dibromochloro methane	1,1-Dichloroethane	Toluene
NCAC 2L Standard		0.6	70	0.4	6.0	600
WELL ID	DATE	µg/l	µg/l	µg/l	µg/l	µg/l
MW-1	2/21/2013	<1.0	<1.0	<1.0	17.9	<1.0
MW-2	2/21/2013	3.9	56.5	2.5	<1.0	<1.0
MW-3	2/21/2013	<1.0	<1.0	<1.0	<1.0	1.2

NOTES:

mg/L - milligrams per liter

µg/L - micrograms per liter

NA - Not analyzed for given parameter

Shaded cells denote NCAC 2L exceedance.

NS - Not sampled

APPENDIX A

Well Construction Records

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 4179-B

1. WELL CONTRACTOR:
Brian Bauer
Well Contractor (Individual) Name
Mountain Environmental
Well Contractor Company Name
1560 PISGAH DR
Street Address
Canton NC 28716
City or Town State Zip Code
(828) 648-5556
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT# NA
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable) MW-1

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 2/18/13

4. WELL LOCATION:
LANE FURNITURE CONOVER
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Conover COUNTY
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☐Flat ☐Ridge ☐Other
LATITUDE 35 · 42 · 28 " DMS OR 3x.xxxxxxxxx DD
LONGITUDE 81 · 14 · 56.84 " DMS OR 7x.xxxxxxxxx DD
Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
LANE CONOVER —
Facility Name Facility ID# (if applicable)
1409 DEBORAH HERMAN Rd
Street Address
CONOVER NC 28613
City or Town State Zip Code
David Stout
Contact Name
Mailing Address
City or Town State Zip Code
( )
Area code Phone number

6. WELL DETAILS:
a. TOTAL DEPTH: 65
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: 0 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): METHOD OF TEST
f. DISINFECTION: Type Amount
g. WATER ZONES (depth):
Top Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:

	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 45	Ft.	2"	SCH 40	PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:

	Depth		Material	Method
Top 0	Bottom 5	Ft.	PORTLAND	TREMIE
Top	Bottom	Ft.		
Top	Bottom	Ft.		

9. SCREEN:

	Depth		Diameter	Slot Size	Material
Top 45	Bottom 65	Ft.	2 in.	0.001 in.	PVC
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:

	Depth		Size	Material
Top 10	Bottom 65	Ft.	#2	SILICA
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	30	Gray SILTY Sand
30	65	TAN SILTY SAND
		Some Gray Clayey
		Sand.

12. REMARKS:
BENTONITE SEAL FROM 5-10

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 2/18/13

Brian Bauer
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

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1. WELL CONTRACTOR:
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Well Contractor (Individual) Name
Mountain Environmental
Well Contractor Company Name
1560 PISGAH DR
Street Address
Canton NC 28716
City or Town State Zip Code
(828) 648-5556
Area code Phone number

2. WELL INFORMATION:
WELL CONSTRUCTION PERMIT# NA
OTHER ASSOCIATED PERMIT#(if applicable)
SITE WELL ID #(if applicable) MW-2

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 2/18/13

4. WELL LOCATION:
LANE FURNITURE CONOVER
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
CITY: Conover COUNTY
TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☐Flat ☐Ridge ☐Other
LATITUDE 35 ° 42 ' 28 " DMS OR 3X.XXXXXXXXX DD
LONGITUDE 81 ° 14 ' 56.84 " DMS OR 7X.XXXXXXXXX DD
Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)
LANE CONOVER —
Facility Name Facility ID# (if applicable)
1409 DEBORAH HERMAN Rd
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Brian Bauer
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

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Form GW-1b
Rev. 2/09

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Mountain Environmental
Well Contractor Company Name
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Street Address
Canton NC 28716
City or Town State Zip Code
(828) 648-5556
Area code Phone number

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OTHER ASSOCIATED PERMIT#(if applicable)
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3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)
DATE DRILLED 2/19/13

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(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
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☐Slope ☐Valley ☐Flat ☐Ridge ☐Other
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Form GW-1b
Rev. 2/09

APPENDIX B

Laboratory Analytical Report

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

February 28, 2013

Mr. Judd Mahan
Mountain Environmental
1560 Pisgah Drive
Canton, NC 28716

RE: Project: LANE 2/21
Pace Project No.: 92149065

Dear Mr. Mahan:
Enclosed are the analytical results for sample(s) received by the laboratory on February 22, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
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(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: LANE 2/21
Pace Project No.: 92149065

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: LANE 2/21
Pace Project No.: 92149065

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92149065001	**MW-1**	EPA 8260	CAH	64	PASI-C
92149065002	**MW-2**	EPA 8260	CAH	64	PASI-C
92149065003	**MW-3**	EPA 8260	CAH	64	PASI-C

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-1 **Lab ID: 92149065001** Collected: 02/21/13 15:00 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/25/13 22:11	67-64-1	
Benzene	ND	ug/L	1.0	1		02/25/13 22:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/25/13 22:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/25/13 22:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/25/13 22:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/25/13 22:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1		02/25/13 22:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/25/13 22:11	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		02/25/13 22:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/25/13 22:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/25/13 22:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/25/13 22:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/25/13 22:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/25/13 22:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/25/13 22:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/25/13 22:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/25/13 22:11	75-71-8	
1,1-Dichloroethane	**17.9**	ug/L	1.0	1		02/25/13 22:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/25/13 22:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/25/13 22:11	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/25/13 22:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/25/13 22:11	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/25/13 22:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/25/13 22:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/25/13 22:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/25/13 22:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/25/13 22:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/25/13 22:11	91-20-3	
Styrene	ND	ug/L	1.0	1		02/25/13 22:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/25/13 22:11	127-18-4	

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(704)875-9092

ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-1 **Lab ID: 92149065001** Collected: 02/21/13 15:00 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		02/25/13 22:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/25/13 22:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/25/13 22:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/25/13 22:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		02/25/13 22:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/25/13 22:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		02/25/13 22:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		02/25/13 22:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		02/25/13 22:11	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	92	%	70-130	1		02/25/13 22:11	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		02/25/13 22:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		02/25/13 22:11	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		02/25/13 22:11	2037-26-5	

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ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-2 **Lab ID: 92149065002** Collected: 02/21/13 15:30 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/25/13 22:29	67-64-1	
Benzene	ND	ug/L	1.0	1		02/25/13 22:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/25/13 22:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/25/13 22:29	74-97-5	
Bromodichloromethane	**3.9**	ug/L	1.0	1		02/25/13 22:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/25/13 22:29	75-25-2	
Bromomethane	ND	ug/L	2.0	1		02/25/13 22:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/25/13 22:29	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		02/25/13 22:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/25/13 22:29	75-00-3	
Chloroform	**56.5**	ug/L	1.0	1		02/25/13 22:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/25/13 22:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/25/13 22:29	96-12-8	
Dibromochloromethane	**2.5**	ug/L	1.0	1		02/25/13 22:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/25/13 22:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/25/13 22:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/25/13 22:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/25/13 22:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/25/13 22:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:29	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/25/13 22:29	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/25/13 22:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/25/13 22:29	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/25/13 22:29	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/25/13 22:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/25/13 22:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/25/13 22:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/25/13 22:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/25/13 22:29	91-20-3	
Styrene	ND	ug/L	1.0	1		02/25/13 22:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/25/13 22:29	127-18-4	

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ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-2 **Lab ID: 92149065002** Collected: 02/21/13 15:30 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		02/25/13 22:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/25/13 22:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/25/13 22:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/25/13 22:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		02/25/13 22:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/25/13 22:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		02/25/13 22:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		02/25/13 22:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		02/25/13 22:29	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	92	%	70-130	1		02/25/13 22:29	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		02/25/13 22:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		02/25/13 22:29	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		02/25/13 22:29	2037-26-5	

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ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-3 **Lab ID: 92149065003** Collected: 02/21/13 16:00 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/25/13 22:48	67-64-1	
Benzene	ND	ug/L	1.0	1		02/25/13 22:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/25/13 22:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/25/13 22:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/25/13 22:48	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/25/13 22:48	75-25-2	
Bromomethane	ND	ug/L	2.0	1		02/25/13 22:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/25/13 22:48	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		02/25/13 22:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/25/13 22:48	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/25/13 22:48	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/25/13 22:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/25/13 22:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/25/13 22:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/25/13 22:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/25/13 22:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/25/13 22:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/25/13 22:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/25/13 22:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/25/13 22:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/25/13 22:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/25/13 22:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/25/13 22:48	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/25/13 22:48	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/25/13 22:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/25/13 22:48	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/25/13 22:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/25/13 22:48	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/25/13 22:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/25/13 22:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/25/13 22:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/25/13 22:48	91-20-3	
Styrene	ND	ug/L	1.0	1		02/25/13 22:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/25/13 22:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/25/13 22:48	127-18-4	

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ANALYTICAL RESULTS

Project: LANE 2/21
Pace Project No.: 92149065

Sample: MW-3 **Lab ID: 92149065003** Collected: 02/21/13 16:00 Received: 02/22/13 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**1.2**	ug/L	1.0	1		02/25/13 22:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/25/13 22:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/25/13 22:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/25/13 22:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/25/13 22:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/25/13 22:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		02/25/13 22:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/25/13 22:48	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		02/25/13 22:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		02/25/13 22:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		02/25/13 22:48	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	92	%	70-130	1		02/25/13 22:48	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		02/25/13 22:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		02/25/13 22:48	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		02/25/13 22:48	2037-26-5	

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QUALITY CONTROL DATA

Project: LANE 2/21
Pace Project No.: 92149065

QC Batch: MSV/22153 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92149065001, 92149065002, 92149065003

METHOD BLANK: 928205 Matrix: Water
Associated Lab Samples: 92149065001, 92149065002, 92149065003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,1-Dichloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,1-Dichloroethene	ug/L	ND	1.0	02/25/13 20:02	
1,1-Dichloropropene	ug/L	ND	1.0	02/25/13 20:02	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/25/13 20:02	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/25/13 20:02	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/25/13 20:02	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
1,2-Dichloroethane	ug/L	ND	1.0	02/25/13 20:02	
1,2-Dichloropropane	ug/L	ND	1.0	02/25/13 20:02	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
1,3-Dichloropropane	ug/L	ND	1.0	02/25/13 20:02	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
2,2-Dichloropropane	ug/L	ND	1.0	02/25/13 20:02	
2-Butanone (MEK)	ug/L	ND	5.0	02/25/13 20:02	
2-Chlorotoluene	ug/L	ND	1.0	02/25/13 20:02	
2-Hexanone	ug/L	ND	5.0	02/25/13 20:02	
4-Chlorotoluene	ug/L	ND	1.0	02/25/13 20:02	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/25/13 20:02	
Acetone	ug/L	ND	25.0	02/25/13 20:02	
Benzene	ug/L	ND	1.0	02/25/13 20:02	
Bromobenzene	ug/L	ND	1.0	02/25/13 20:02	
Bromochloromethane	ug/L	ND	1.0	02/25/13 20:02	
Bromodichloromethane	ug/L	ND	1.0	02/25/13 20:02	
Bromoform	ug/L	ND	1.0	02/25/13 20:02	
Bromomethane	ug/L	ND	2.0	02/25/13 20:02	
Carbon tetrachloride	ug/L	ND	1.0	02/25/13 20:02	
Chlorobenzene	ug/L	ND	1.0	02/25/13 20:02	
Chloroethane	ug/L	ND	1.0	02/25/13 20:02	
Chloroform	ug/L	ND	1.0	02/25/13 20:02	
Chloromethane	ug/L	ND	1.0	02/25/13 20:02	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/25/13 20:02	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/25/13 20:02	
Dibromochloromethane	ug/L	ND	1.0	02/25/13 20:02	
Dibromomethane	ug/L	ND	1.0	02/25/13 20:02	
Dichlorodifluoromethane	ug/L	ND	1.0	02/25/13 20:02	
Diisopropyl ether	ug/L	ND	1.0	02/25/13 20:02	
Ethylbenzene	ug/L	ND	1.0	02/25/13 20:02	

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QUALITY CONTROL DATA

Project: LANE 2/21
Pace Project No.: 92149065

METHOD BLANK: 928205 Matrix: Water

Associated Lab Samples: 92149065001, 92149065002, 92149065003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	02/25/13 20:02	
m&p-Xylene	ug/L	ND	2.0	02/25/13 20:02	
Methyl-tert-butyl ether	ug/L	ND	1.0	02/25/13 20:02	
Methylene Chloride	ug/L	ND	2.0	02/25/13 20:02	
Naphthalene	ug/L	ND	1.0	02/25/13 20:02	
o-Xylene	ug/L	ND	1.0	02/25/13 20:02	
p-Isopropyltoluene	ug/L	ND	1.0	02/25/13 20:02	
Styrene	ug/L	ND	1.0	02/25/13 20:02	
Tetrachloroethene	ug/L	ND	1.0	02/25/13 20:02	
Toluene	ug/L	ND	1.0	02/25/13 20:02	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/25/13 20:02	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/25/13 20:02	
Trichloroethene	ug/L	ND	1.0	02/25/13 20:02	
Trichlorofluoromethane	ug/L	ND	1.0	02/25/13 20:02	
Vinyl acetate	ug/L	ND	2.0	02/25/13 20:02	
Vinyl chloride	ug/L	ND	1.0	02/25/13 20:02	
Xylene (Total)	ug/L	ND	2.0	02/25/13 20:02	
1,2-Dichloroethane-d4 (S)	%	99	70-130	02/25/13 20:02	
4-Bromofluorobenzene (S)	%	92	70-130	02/25/13 20:02	
Dibromofluoromethane (S)	%	96	70-130	02/25/13 20:02	
Toluene-d8 (S)	%	99	70-130	02/25/13 20:02	

LABORATORY CONTROL SAMPLE: 928206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.0	114	70-130	
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,2-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1-Dichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethene	ug/L	50	46.1	92	70-132	
1,1-Dichloropropene	ug/L	50	47.5	95	70-130	
1,2,3-Trichlorobenzene	ug/L	50	31.8	64	70-135	L0
1,2,3-Trichloropropane	ug/L	50	52.0	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	39.8	80	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	53.0	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.3	111	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	49.8	100	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	70-130	
1,3-Dichlorobenzene	ug/L	50	53.2	106	70-130	
1,3-Dichloropropane	ug/L	50	53.2	106	70-130	
1,4-Dichlorobenzene	ug/L	50	53.1	106	70-130	
2,2-Dichloropropane	ug/L	50	57.6	115	58-145	
2-Butanone (MEK)	ug/L	100	87.8	88	70-145	

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QUALITY CONTROL DATA

Project: LANE 2/21
Pace Project No.: 92149065

LABORATORY CONTROL SAMPLE: 928206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.7	103	70-130	
2-Hexanone	ug/L	100	101	101	70-144	
4-Chlorotoluene	ug/L	50	53.8	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.4	96	70-140	
Acetone	ug/L	100	90.7	91	50-175	
Benzene	ug/L	50	50.6	101	70-130	
Bromobenzene	ug/L	50	52.5	105	70-130	
Bromochloromethane	ug/L	50	52.6	105	70-130	
Bromodichloromethane	ug/L	50	56.6	113	70-130	
Bromoform	ug/L	50	47.6	95	70-130	
Bromomethane	ug/L	50	49.0	98	54-130	
Carbon tetrachloride	ug/L	50	53.9	108	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	37.3	75	64-134	
Chloroform	ug/L	50	51.0	102	70-130	
Chloromethane	ug/L	50	38.8	78	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	59.9	120	70-130	
Dibromochloromethane	ug/L	50	53.6	107	70-130	
Dibromomethane	ug/L	50	55.5	111	70-131	
Dichlorodifluoromethane	ug/L	50	39.4	79	56-130	
Diisopropyl ether	ug/L	50	45.5	91	70-130	
Ethylbenzene	ug/L	50	51.6	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	38.2	76	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	50.9	102	70-130	
Methylene Chloride	ug/L	50	47.7	95	63-130	
Naphthalene	ug/L	50	34.8	70	70-138	
o-Xylene	ug/L	50	52.9	106	70-130	
p-Isopropyltoluene	ug/L	50	54.8	110	70-130	
Styrene	ug/L	50	52.8	106	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
Toluene	ug/L	50	54.1	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	64.1	128	70-132	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	45.9	92	62-133	
Vinyl acetate	ug/L	100	108	108	66-157	
Vinyl chloride	ug/L	50	42.3	85	69-130	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: LANE 2/21
Pace Project No.: 92149065

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928207 928208

Parameter	Units	92148879001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	53.5	51.0	107	102	70-166	5	
Benzene	ug/L	ND	50	50	46.7	45.6	93	91	70-148	2	
Chlorobenzene	ug/L	ND	50	50	53.9	51.4	108	103	70-146	5	
Toluene	ug/L	ND	50	50	53.3	51.5	106	103	70-155	3	
Trichloroethene	ug/L	ND	50	50	54.5	52.4	109	105	69-151	4	
1,2-Dichloroethane-d4 (S)	%						100	100	70-130		
4-Bromofluorobenzene (S)	%						93	89	70-130		
Dibromofluoromethane (S)	%						94	94	70-130		
Toluene-d8 (S)	%						99	98	70-130		

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QUALIFIERS

Project: LANE 2/21
Pace Project No.: 92149065

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LANE 2/21
Pace Project No.: 92149065

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92149065001	**MW-1**	EPA 8260	MSV/22153		
92149065002	**MW-2**	EPA 8260	MSV/22153		
92149065003	**MW-3**	EPA 8260	MSV/22153		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1294501

Section A Required Client Information:

Company: MTN ENV
Address: 1560 Pisgah Dr.
Canton NC
Email To: J.Mahan
Phone: Fax:
Requested Due Date/TAT: Standard 5-day

Section B Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name: LANE
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): Analysis Test: VOCs by 8260

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) VOCs by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92149065
1	MW-1					2-21-13	15:00		3									X		92149065001
2	MW-2					↓	15:30		3									X		92149065002
3	MW-3					↓	16:00		3									X		92149065003
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MEG	2-22-13	14:00		2/22/13	14:00	5.5	X	—	X

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Judd Mahan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-22-13

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 30, 2012 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.08	WO#: 92149065

Client Name: Mtn Eng

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Optional Proj. Due Date:

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Circle Thermometer Used: ~~IR Gun#2 -80344039~~ IR Gun Back-Up 111565135 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / (Subtract) 0.1 C

Corrected Cooler Temp.: 5.5 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2/22/13

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☑Yes ☐No ☐N/A	7. 5 Day TAT
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: LP **Date:** 2/25/13 **SRF Review:** LP **Date:** 2/25/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)