DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Municipal Engineering Services Company, PA

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Johnathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Cherokee County Closed MSWLF	Fairview Road (SR 1515) Marble, NC 28905	20-01	.500	February 23, 2010

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☒ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Jonathan Pfohl — Environmental Specialist — (919) 772-5393

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Signature — Date

PO Box 97, Garner, NC 27529

Facility Representative Address

C-0281

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

Semi-Annual Water Quality Monitoring and Statistical Analysis Report

Prepared for

Cherokee County Closed Unlined MSWLF
Marble, North Carolina

February 2010

Permit Number: 20-02
MESCO Project Number: G10008.0

Completed on June 18, 2010

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

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OPERATION/CONSTRUCTION MANAGERS
Municipal Services
CIVIL/SANITARY ENGINEERS
Engineering Company, P.A.

June 18, 2010

Mr. Ervin Lane
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Water Quality Sampling Report
Cherokee County Closed Unlined MSWLF
Permit No. 20-01
MESCO Project No. G10006.0

Dear Mr. Lane:

Introduction

The Cherokee County Closed Unlined Municipal Solid Waste Landfill (MSWLF) located in Marble NC, that operated under permit #20-01 is required to submit semi-annual compliance reports as a condition of the monitoring program. Municipal Engineering Services Company, P.A. (MESCO) of Garner NC performed this sampling event on February 23, 2010 in accordance with the semi-annual monitoring schedule prescribed by the NC Solid Waste Section (SWS) rules/regulations.

The comprehensive monitoring program includes sampling locations as outlined in the approved Sampling and Analysis Plan (SAP) contained in the facility *Transition Plan* dated March 1994 as well as additional monitoring locations added throughout the years. The sampling locations consist of nine groundwater monitoring wells, 3 surface water points, and three residential supply wells located upon nearby properties. The text of this report includes a summary of sampling procedures, field and laboratory results, groundwater and surfacewater characterization, and findings. A table of detections compared to Standards, hydrologic properties table, monitoring locations observations table, field parameter data summary table, a single-day potentiometric map, quality assurance/quality control data, and full laboratory analytical data results are also enclosed.

Sampling Procedure

Municipal Engineering Services Company, P.A. (MESCO) personnel performed this sampling event utilizing portable monitoring methodology in accordance with the site-specific approved SAP and the NCDENR SWS guidance document S*olid Waste Section Guidelines for Groundwater, Soil, and Surface Water Sampling* revised April 2008. This sampling event consisted of collection of water samples from seven down/crossgradient groundwater monitoring wells (MW-1, MW-3, MW-4R, MW-5, MW-6, MW-6R, MW-7), two background wells (MW-2, MW-2R), three surface water points (SW-1, SW-2, SW-4), and three residential water supply wells (Pendergrass, Solesbee, Van Buskirk (Haney)) Quality control measures were also implemented during this event which included submittal and subsequent quantification of blanks (EB, FB, TB). All locations listed within the SAP and historically monitored were sampled during this event with the exception of the Rathbone water supply well. The Rathbone supply well was not sampled as it remains disconnected since their conversion to municipal water. All monitoring locations are shown upon the enclosed potentiometric map Plate 1.

The function and integrity of all monitoring locations were visually evaluated, preventive maintenance performed, and documentation is provided in the enclosed Table 3. The depth to water in each well was electronically gaged prior to purging to quantify the static water level elevation. Low flow pumping methodology or bailing was utilized

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PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

to adequately purge the wells to a minimum of three times the volume of standing water in the well or to dryness. During purging, field parameters (dissolved oxygen, oxidation-reduction potential, total dissolved solids, and visual turbidity) were recorded in addition to those that are required (pH, specific conductance, temperature). The samples were then immediately placed into laboratory-prepared pre-preserved containers via a new disposable polyethylene bailer. Samples were properly collected/separated based upon likelihood of potential cross-contamination, kept upon ice, and transported to a NC-certified laboratory under proper chain-of-custody (C-O-C) protocol within the specified hold times for each analysis.

Laboratory & Field Parameter Results

Pace Analytical Laboratories (PACE) of Huntersville and Asheville, NC performed laboratory analysis on the groundwater and surface water samples for the 40 CFR Part 258, Appendix I list of volatile organic compounds (VOCs) via EPA 8260 and total metals via EPA 6010. In addition to the Appendix I list of parameters, naphthalene, an Appendix II listed semi-volatile organic compound (SVOC), was also analyzed in sample MW-6, since low levels have previously been detected at this location.

All water samples were analyzed down to the laboratory-established Method Detection Limits (MDL) with reference to the values current as of the sampling event. Enclosed Table 1 summarizes all detected constituents detected within groundwater and surface water samples above the current Solid Waste Section detection limit (SWSL), Groundwater Protection Standards (GWP), North Carolina Groundwater Standards (2L) or the applicable North Carolina Surface Water Standards (2B) for a trout water body.

A summary of the field parameter data is presented in Table 4 and the field sampling data sheet is enclosed in Appendix A. The field parameter data appears to be generally consistent relative to each other and congruent with data historically reported.

Quality Control Samples

The chlorinated hydrocarbons DCM and 1,2-DCA were detected in concentrations above the SWSL within the quality control samples EB, FB, and TB. However, apparently the artifact contamination did not contribute to false positives or high bias in the data set as neither constituent was detected in any ground or surface water sample.

Groundwater Samples

The only total metal constituents detected in exceedance of the 2L Standard were nickel, chromium and lead within the sample taken from the upgradient background well MW-2R. None of the other inorganic target analytes were detected above their respective 2L Standard or GWP in any other groundwater samples. The only VOCs detected in concentrations in exceedance of the 2L or GWP Standard were aromatics. Benzene and 1,4-DCB were detected above the 2L Standard in samples taken from MW-1 and MW-6. The sample from MW-5 also contained levels of 1,4-DCB in exceedance of the 2L Standard. The Appendix II SVOC naphthalene continues to be detected in MW-6 but the concentration is below the allowable 2L Standard. No constituents were detected in any of the residential supply well samples in concentrations above any applicable standard.

Surfacewater Samples

No constituents were detected in concentrations above the SWSL or in exceedance of their respective 2B Standards from any of the surface water samples taken from the Valley River discharge feature which is located between the lined Subtitle D MSWLF and the unlined closed MSWLF.

Groundwater and Surface Water Characterization

MESCO constructed a single-day potentiometric map of the uppermost aquifer from groundwater elevation data recorded from monitoring wells screened within the regolith. Groundwater flow rates and directions were also calculated based upon this data and are included in the attached hydrologic properties Table 2. Flow directions were calculated to be northwesterly towards the Valley River with rates ranging from approximately 13 feet/year (MW-6) to 206 feet/year (MW-3) averaging approximately 104 feet/year. All of the streams located within the facility boundaries were visually observed to be of moderate volume and flow. The flow directions and gradients are consistent with historical observations, showing no changes that would result in a different interpretation of the groundwater system or hinder the effectiveness of the current monitoring network.

Findings

During this event none of the Appendix I target metals were detected at levels above their respective 2L Standards in the groundwater samples taken downgradient of the closed MSWLF. All metal detections were in higher concentrations in the upgradient wells MW-2 and MW-2R compared to the downgradient wells indicating that the detected metals are naturally inherent in the groundwater and not attributed to a leachate release.

Localized groundwater within the on-site regolith continues to be impacted by relatively low levels of aromatics. During this event, monitoring wells MW-1, MW-5, and MW-6 were found to contain one or more quantifiable VOCs in concentrations exceeding their respective 2L Standards. However, concentrations of aromatics appear to continue to decrease compared to historical levels. It appears the extent of VOC migration within the upper aquifer is likely isolated within the property boundary and has not apparently effected the Valley River discharge feature.

Closing

The closed landfill is scheduled to be sampled again concurrently with the Subtitle D lined landfill in August 2010. If you have any questions or comments regarding this report, please contact us at (919) 772-5393 or by email at jpfohl@mesco.com.

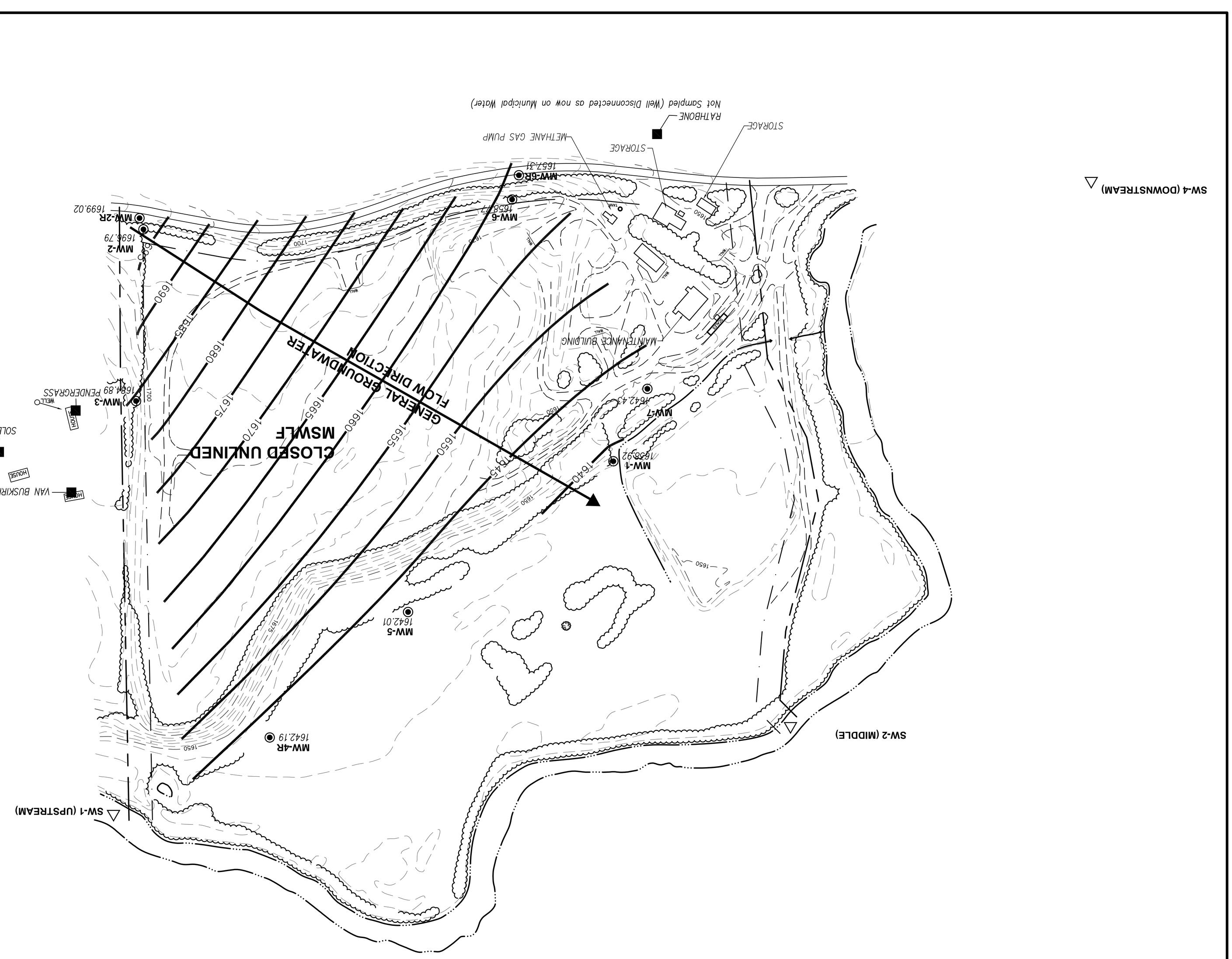
Sincerely,

MUNICIPAL ENGINEERING SERVICES CO., P.A.

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. Robert Allen
Cherokee County

Single-Day Potentiometric Map



Cherokee County Closed Unlined MSWLF
February 23, 2010

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1	1641.88	2.96	1638.92
MW-2	1717.97	21.18	1696.79
MW-2R	1706.62	7.6	1699.02
MW-3	1688.57	3.68	1684.89
MW-4R	1647.19	5	1642.19
MW-5	1644.61	2.6	1642.01
MW-6	1687.95	29.18	1658.77
MW-6R	1665.81	8.5	1657.31
MW-7	1646.85	4.42	1642.43

LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- BUFFFER ZONE
- TREE LINE
- ROAD
- WATER
- SPOT ELEVATION
- EXISTING MONITORING WELL
- EXISTING MONITORING WELL
- RESIDENTIAL SUPPLY WELLS
- SURFACE WATER MONITORING
- EQUIPOTENTIAL CONTOURS
- RESIDENTIAL SUPPLY WELL

NOTES:

THIS MAP WAS GENERATED FROM AERIAL PHOTOS FLOWN ON 2-10-94 BY TRIANGLE AERIAL MAPPING.

CLOSED SANITARY SOLID WASTE LANDFILL
CHEROKEE COUNTY
NORTH CAROLINA

SINGLE DAY POTENTIOMETRIC MAP
UPPERMOST AQUIFER 2/23/10

DATE	BY	REV.	DESCRIPTION

SCALE: 1" = 100'
DATE: 4/26/10
DRWN. BY: M. GERMAN
CHKD. BY: J.PFOHL
PROJECT NUMBER: G10006.0
DRAWING NO. PLATE 1
SHEET NO. 1 OF 1

LICENSE NUMBER: C-0281

Municipal Services Engineering Company, P.A.

P.O. BOX 97 GARNER, N.C. 27529
(919) 772-5393

P.O. BOX 828 MOREHEAD CITY, N.C. 28557
(252) 726-3481

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(828) 262-1767

Tables

Table 1
Detection Scan All Appendix I VOCs and Metal Detections above SWSL, GWP, 2L, or 2B
Cherokee County Closed MSWLF

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-1	**Benzene**	**2/23/10**	**1.1**	**ug/L**	**0.25**	**1**	**1**			**0.1**	**L &/or LFG**
MW-1	Chlorobenzene	2/23/10	10	ug/L	0.23	3	50				
MW-1	Cobalt	2/23/10	27.2	ug/L	0.6	10			70		
MW-1	**1,4-Dichlorobenzene**	**2/23/10**	**9.8**	**ug/L**	**0.33**	**1**	**6**			**3.8**	**L &/or LFG**
MW-2	Beryllium	2/23/10	1.8	ug/L	0.1	1			4		
MW-2	Zinc	2/23/10	120	ug/L	0.4	10	1050				
MW-2	Vanadium	2/23/10	11.6[j]	ug/L	0.2	25			3.5	8.1	
MW-2	Barium	2/23/10	144	ug/L	0.2	100	2000				
MW-2	Copper	2/23/10	13.5	ug/L	0.3	10	1000				
MW-2	Cobalt	2/23/10	104	ug/L	0.6	10			70	34	
MW-2	Lead	2/23/10	10.7	ug/L	4	10	15				
MW-2	Nickel	2/23/10	58.6	ug/L	1.7	50	100				
MW-2R	**Nickel**	**2/23/10**	**263**	**ug/L**	**8.5**	**50**	**100**			**163**	**N & B**
MW-2R	Copper	2/23/10	79	ug/L	1.5	10	1000				
MW-2R	**Chromium**	**2/23/10**	**55**	**ug/L**	**2**	**10**	**10**			**45**	**N & B**
MW-2R	**Lead**	**2/23/10**	**21.6**	**ug/L**	**20**	**10**	**15**			**6.6**	**N & B**
MW-2R	Cobalt	2/23/10	52.5	ug/L	3	10			70		
MW-2R	Vanadium	2/23/10	45.6	ug/L	1	25			3.5	42.1	
MW-2R	Zinc	2/23/10	470	ug/L	2	10	1050				
MW-2R	Barium	2/23/10	266	ug/L	1	100	2000				
MW-3	Cobalt	2/23/10	21.2	ug/L	0.6	10			70		
MW-4R	Zinc	2/23/10	23.6	ug/L	0.4	10	1050				
MW-4R	Cobalt	2/23/10	11.8	ug/L	0.6	10			70		
MW-4R	1,4-Dichlorobenzene	2/23/10	1.3	ug/L	0.33	1	6				
MW-5	Chlorobenzene	2/23/10	8.1	ug/L	0.23	3	50				
MW-5	**1,4-Dichlorobenzene**	**2/23/10**	**9.3**	**ug/L**	**0.33**	**1**	**6**			**3.3**	**L &/or LFG**
MW-6	**1,4-Dichlorobenzene**	**2/23/10**	**11.2**	**ug/L**	**0.33**	**1**	**6**			**5.2**	**L &/or LFG**
MW-6	Cobalt	2/23/10	15.3	ug/L	0.6	10			70		
MW-6	Naphthalene	2/23/10	7.4	ug/L	0.24	10	21				
MW-6	**Benzene**	**2/23/10**	**1.5**	**ug/L**	**0.25**	**1**	**1**			**0.5**	**L &/or LFG**
MW-6	Chlorobenzene	2/23/10	6.3	ug/L	0.23	3	50				
MW-6R	Zinc	2/23/10	12.7	ug/L	0.4	10	1050				
MW-6R	Vanadium	2/23/10	4.4[j]	ug/L	0.2	25			3.5	0.9	
MW-7	Cobalt	2/23/10	11.4	ug/L	0.6	10			70		
MW-7	1,4-Dichlorobenzene	2/23/10	1.4	ug/L	0.33	1	6				
PENDERGRASS	Zinc	2/23/10	14.4	ug/L	0.4	10	1050				
PENDERGRASS	Copper	2/23/10	18.5	ug/L	0.3	10	1000				
VAN BUSKIRK (HANEY)	Copper	2/23/10	12.2	ug/L	0.3	10	1000				
VAN BUSKIRK (HANEY)	Zinc	2/23/10	13.6	ug/L	0.4	10	1050				

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
EB	**1,2-Dichloroethane**	**2/23/10**	**1.3**	**ug/L**	**0.12**	**1**	**0.38**			**0.92**	**A**
EB	**Methylene Chloride**	**2/23/10**	**5.1**	**ug/L**	**0.97**	**2**	**4.6**			**0.5**	**A**
FB	**1,2-Dichloroethane**	**2/23/10**	**1.3**	**ug/L**	**0.12**	**1**	**0.38**			**0.92**	**A**
FB	**Methylene Chloride**	**2/23/10**	**5.1**	**ug/L**	**0.97**	**2**	**4.6**			**0.5**	**A**
TB	**1,2-Dichloroethane**	**2/23/10**	**1.6**	**ug/L**	**0.12**	**1**	**0.38**			**1.22**	**A**
TB	Methylene Chloride	2/23/10	2.2	ug/L	0.97	2	4.6				

[1] Table contains only constituents detected above SWSL, GWP, 2L, or 2B

[2] MDL = Method Detection Limit

[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

[4] 2L = North Carolina 15A NCAC 2L Groundwater Qualtity Standard (Current as of Sampling Event)

[6] 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification (Current as of Sampling Event)

[7] GWP = Groundwater Protection Standard (Current as of Sampling Event)

[J] =The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.

A = Artifact Contamination from Laboratory (Detected in EB, FB, and laboratory associated method blanks)

L = Leachate

LFG = Landfill Gas

N = Natural (Erosion of Natural Deposits)

B = Background

O = Statistical Outlier

NE = Not Established

BOLD = Concentration > 2L, or 2B Standard (Current as of Sampling Event)

Table 2
Hydrologic Properties at Monitoring Well Locations
Cherokee County Closed Unlined MSWLF

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth Below Casing (ft)	Water Table Elevation (ft)	Screened Interval Lithology
MW-1	5.50E-04	15%	0.03	129	N39W	2.96	1638.92	PWR
MW-2	4.40E-04	15%	0.07	206	N61W	21.18	1696.79	Silty Clay
MW-2R	n/a	n/a	0.09	n/a	N59W	7.60	1699.02	Silty Clay
MW-3	1.50E-03	15%	0.00	14	N65W	3.68	1684.89	Silty Clay
MW-4R	3.50E-04	15%	0.06	146	N45W	5.00	1642.19	Clayey Sand/Schist
MW-5	1.20E-04	20%	0.05	30	N45W	2.60	1642.01	Sand
MW-6	5.10E-05	15%	0.04	13	N47W	29.18	1658.77	Sandy Silt
MW-6R	n/a	n/a	0.02	n/a	N43W	8.50	1657.31	Sandy Silt
MW-7	2.90E-04	5%	0.03	190	N27W	4.42	1642.43	Clayey SandPhyllite

NOTE: Data for conductivities and effective porosity obtained from GAI Consultants' Water Sampling Report
Hydrologic Gradient taken from February 23, 2010 sampling event.

Flow rate (Q) is defined by the equation:

where $$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

Min v_x: 13
Mean v_x: 104
Median v_x: 129
Max v_x: 206

K = hydraulic conductivity
n*e* = effective porosity
dh = head difference
dl = horizontal distance

Table 3
Field Observations of Monitoring Locations
Cherokee County Closed Unlined MSWLF
February 23 & 24, 2010

Sample Location	Viable Monitoring Location	Lack of Any Evidence of Tampering	Locked on Arrival & Departure	Hinge/Hasp Operational	Tagged or Labeled	Concrete Surface Pad Effective	Degree of Visual Turbidity of Collected Sample	Comments
MW-1	Yes	Yes	Yes	Yes	Yes	Yes	Clear	New Hinge & Lock Installed
MW-2	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-2R	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-3	Yes	Yes	Yes	Yes	Yes	Yes	Clear	Standing water near it
MW-4R	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-5	Yes	Yes	Yes	Yes	Yes	Yes	Clear	Purge water red algae
MW-6	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-6R	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-7	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
Pendergrass	Yes	-	-	-	-	-	Clear	
Solesbee	Yes	-	-	-	-	-	Clear	
Van Buskirk (Haney)	Yes	-	-	-	-	-	Clear	
SW-1	Yes	-	-	-	-	-	Slight	Moderate gage height & Flow
SW-2	Yes	-	-	-	-	-	Slight	Moderate gage height & Flow
SW-4	No	-	-	-	-	-	Slight	Moderate gage height & Flow

Any unusual field conditions, observations, or events:

Evidence of more precipitation than normal.

Rathbone residential supply well confirmed to be still disconnected and they utilize municipal water.

Groundwater Elevations at Monitoring Locations
Cherokee County Closed Unlined MSWLF

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1	1641.88	2.96	1638.92
MW-2	1717.97	21.18	1696.79
MW-2R	1706.62	7.6	1699.02
MW-3	1688.57	3.68	1684.89
MW-4R	1647.19	5	1642.19
MW-5	1644.61	2.6	1642.01
MW-6	1687.95	29.18	1658.77
MW-6R	1665.81	8.5	1657.31
MW-7	1646.85	4.42	1642.43

Table 4
Summary of Field Parameter Data
Cherokee County Closed Unlined MSWLF
February 23 & 24, 2010 Sampling Event

Parameter	WLR (BTOC)*	Water Elevation	TOC Elevation	Temp.	ORP	DO	pH	Specific Conductance	TDS	Turbidity
Units	ft	ft (amsl)	ft (amsl)	C	mV	mg/L	SU	umhos/cm	mg/L	Visual
MW-1	2.96	1638.92	1641.88	12.6	70	1	6.26	1085	542	Clear
MW-2	21.18	1696.79	1717.97	14.1	-5	0.9	5.99	96	48	Clear
MW-2R	7.60	1699.02	1706.62	15.5	208	1.1	4.73	40	21	Clear
MW-3	3.68	1684.89	1688.57	10.1	-108	0.9	6.91	291	146	Clear
MW-4R	5.00	1642.19	1647.19	10.2	-45	3.7	6.13	266	133	Clear
MW-5	2.60	1642.01	1644.61	10.7	10	0.8	5.75	323	161	Clear
MW-6	29.18	1658.77	1687.95	15.1	14	1.6	5.67	111	55	Clear
MW-6R	8.50	1657.31	1665.81	13.2	239	2.6	5.67	115	57	Clear
MW-7	4.42	1642.43	1646.85	10.9	-66	1.5	6.63	448	223	Clear
Minimum	2.60	1638.92	1641.88	10.1	-108	0.8	4.73	40	21	
Maximum	29.18	1699.02	1717.97	15.5	239	3.7	6.91	1085	542	
Average	9.46	1662.48	1671.94	12.49	35.22	1.57	5.97	308.33	154	
SW-1	-	-	-	8.5	109	7.1	6.56	33	15	Slight
SW-2	-	-	-	8.4	93	7.2	6.62	29	11	Slight
SW-4	-	-	-	8.5	101	7.2	6.7	28	12	Slight
Minimum	-	-	-	8.4	93	7.1	6.56	28	11	
Maximum	-	-	-	8.5	109	7.2	6.7	33	15	
Average	-	-	-	8.47	101	7.17	6.63	30	12.67	

NR = No Reading Attempted
* = All Water Level Readings Taken on 2/24/10

Appendix A
Laboratory Analysis Report
Chains of Custody
Field Sampling Parameter
Data Sheet(s)

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March 15, 2010

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Charlotte Certification IDs

Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
Florida/NELAP Certification #: E87627
Connecticut Certification #: PH-0104
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
North Carolina Wastewater Certification #: 12
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012

Asheville Certification IDs

Connecticut Certification #: PH-0106
2225 Riverside Dr. Asheville, NC 28804
Virginia Certification #: 00072
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095
Florida/NELAP Certification #: E87648
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9264067001	**MW-1**	Water	02/23/10 13:40	02/25/10 13:10
9264067002	**MW-2**	Water	02/23/10 10:05	02/25/10 13:10
9264067003	**MW-2R**	Water	02/23/10 08:20	02/25/10 13:10
9264067004	**MW-3**	Water	02/23/10 09:35	02/25/10 13:10
9264067005	**MW-4R**	Water	02/23/10 10:35	02/25/10 13:10
9264067006	**MW-5**	Water	02/23/10 11:15	02/25/10 13:10
9264067007	**MW-6**	Water	02/23/10 12:00	02/25/10 13:10
9264067008	**MW-6R**	Water	02/23/10 09:00	02/25/10 13:10
9264067009	**MW-7**	Water	02/23/10 13:05	02/25/10 13:10
9264067010	**PENDERGRASS**	Water	02/23/10 15:10	02/25/10 13:10
9264067011	**SOLESBEE**	Water	02/23/10 15:35	02/25/10 13:10
9264067012	**VAN BUSKIRK (HANEY)**	Water	02/23/10 15:55	02/25/10 13:10

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SAMPLE ANALYTE COUNT

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9264067001	**MW-1**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067002	**MW-2**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067003	**MW-2R**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067004	**MW-3**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067005	**MW-4R**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067006	**MW-5**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067007	**MW-6**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	53	PASI-C
9264067008	**MW-6R**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067009	**MW-7**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067010	**PENDERGRASS**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067011	**SOLESBEE**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264067012	**VAN BUSKIRK (HANEY)**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-1 **Lab ID: 9264067001** Collected: 02/23/10 13:40 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:20	7440-36-0	
Arsenic	**4.9J**	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:20	7440-38-2	
Barium	**51.5J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:20	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:20	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:20	7440-43-9	
Chromium	**0.59J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:20	7440-47-3	
Cobalt	**27.2**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:20	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:20	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:20	7439-92-1	
Nickel	**9.6J**	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:20	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:20	7782-49-2	
Silver	**3.3J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:20	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:20	7440-28-0	
Vanadium	**0.73J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:20	7440-62-2	
Zinc	**0.55J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:20	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**2.3J**	ug/L	100	2.2	1		02/28/10 15:50	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 15:50	107-13-1	
Benzene	**1.1**	ug/L	1.0	0.25	1		02/28/10 15:50	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 15:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 15:50	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 15:50	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 15:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 15:50	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 15:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 15:50	56-23-5	
Chlorobenzene	**10**	ug/L	3.0	0.23	1		02/28/10 15:50	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 15:50	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 15:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 15:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 15:50	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 15:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 15:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 15:50	74-95-3	
1,2-Dichlorobenzene	**0.74J**	ug/L	5.0	0.30	1		02/28/10 15:50	95-50-1	
1,4-Dichlorobenzene	**9.8**	ug/L	1.0	0.33	1		02/28/10 15:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 15:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 15:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 15:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 15:50	75-35-4	
cis-1,2-Dichloroethene	**0.73J**	ug/L	5.0	0.19	1		02/28/10 15:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 15:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 15:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 15:50	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 15:50	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-1 **Lab ID: 9264067001** Collected: 02/23/10 13:40 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 15:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 15:50	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 15:50	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 15:50	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 15:50	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 15:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 15:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 15:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 15:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 15:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 15:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 15:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 15:50	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 15:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 15:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 15:50	1330-20-7	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/10 15:50	460-00-4	
Dibromofluoromethane (S)	109	%	85-115		1		02/28/10 15:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 15:50	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 15:50	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-2 **Lab ID: 9264067002** Collected: 02/23/10 10:05 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:25	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:25	7440-38-2	
Barium	**144**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:25	7440-39-3	
Beryllium	**1.8**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:25	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:25	7440-43-9	
Chromium	**7.6J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:25	7440-47-3	
Cobalt	**104**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:25	7440-48-4	
Copper	**13.5**	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:25	7440-50-8	
Lead	**10.7**	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:25	7439-92-1	
Nickel	**58.6**	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:25	7440-02-0	
Selenium	**4.3J**	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:25	7782-49-2	
Silver	**0.23J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:25	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:25	7440-28-0	
Vanadium	**11.6J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:25	7440-62-2	
Zinc	**120**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:25	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 16:14	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 16:14	107-13-1	
Benzene	**0.34J**	ug/L	1.0	0.25	1		02/28/10 16:14	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 16:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 16:14	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 16:14	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 16:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 16:14	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 16:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 16:14	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 16:14	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 16:14	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 16:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 16:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 16:14	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 16:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 16:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 16:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 16:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 16:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 16:14	110-57-6	
1,1-Dichloroethane	**0.74J**	ug/L	5.0	0.32	1		02/28/10 16:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 16:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 16:14	75-35-4	
cis-1,2-Dichloroethene	**0.86J**	ug/L	5.0	0.19	1		02/28/10 16:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 16:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 16:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 16:14	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 16:14	10061-01-5	

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(828)254-7176

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

ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-2 **Lab ID: 9264067002** Collected: 02/23/10 10:05 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 16:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 16:14	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 16:14	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 16:14	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 16:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 16:14	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 16:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 16:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 16:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 16:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 16:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 16:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 16:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 16:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 16:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 16:14	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 16:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 16:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 16:14	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 16:14	460-00-4	
Dibromofluoromethane (S)	109	%	85-115		1		02/28/10 16:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 16:14	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 16:14	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-2R **Lab ID: 9264067003** Collected: 02/23/10 08:20 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	30.0	13.0	5	03/03/10 13:55	03/11/10 14:06	7440-36-0	D3
Arsenic	ND	ug/L	50.0	13.5	5	03/03/10 13:55	03/11/10 14:06	7440-38-2	D3
Barium	**266J**	ug/L	500	1.0	5	03/03/10 13:55	03/11/10 14:06	7440-39-3	D3
Beryllium	**4.7J**	ug/L	5.0	0.50	5	03/03/10 13:55	03/11/10 14:06	7440-41-7	D3
Cadmium	ND	ug/L	5.0	2.5	5	03/03/10 13:55	03/11/10 14:06	7440-43-9	D3
Chromium	**55.0**	ug/L	50.0	2.0	5	03/03/10 13:55	03/11/10 14:06	7440-47-3	D3
Cobalt	**52.5**	ug/L	50.0	3.0	5	03/03/10 13:55	03/11/10 14:06	7440-48-4	D3
Copper	**79.0**	ug/L	50.0	1.5	5	03/03/10 13:55	03/11/10 14:06	7440-50-8	D3
Lead	**21.6J**	ug/L	50.0	20.0	5	03/03/10 13:55	03/11/10 14:06	7439-92-1	D3
Nickel	**263**	ug/L	250	8.5	5	03/03/10 13:55	03/11/10 14:06	7440-02-0	D3
Selenium	ND	ug/L	50.0	19.0	5	03/03/10 13:55	03/11/10 14:06	7782-49-2	D3
Silver	ND	ug/L	50.0	0.50	5	03/03/10 13:55	03/11/10 14:06	7440-22-4	D3
Thallium	ND	ug/L	27.5	15.0	5	03/03/10 13:55	03/11/10 14:06	7440-28-0	D3
Vanadium	**45.6J**	ug/L	125	1.0	5	03/03/10 13:55	03/11/10 14:06	7440-62-2	D3
Zinc	**470**	ug/L	50.0	2.0	5	03/03/10 13:55	03/11/10 14:06	7440-66-6	D3
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 16:38	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 16:38	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 16:38	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 16:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 16:38	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 16:38	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 16:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 16:38	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 16:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 16:38	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 16:38	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 16:38	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 16:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 16:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 16:38	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 16:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 16:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 16:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 16:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 16:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 16:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 16:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 16:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 16:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 16:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 16:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 16:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 16:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 16:38	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-2R **Lab ID: 9264067003** Collected: 02/23/10 08:20 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 16:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 16:38	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 16:38	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 16:38	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 16:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 16:38	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 16:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 16:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 16:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 16:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 16:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 16:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 16:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 16:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 16:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 16:38	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 16:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 16:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 16:38	1330-20-7	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/10 16:38	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/10 16:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 16:38	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 16:38	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-3 **Lab ID: 9264067004** Collected: 02/23/10 09:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:34	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:34	7440-38-2	
Barium	**64.2J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:34	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:34	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:34	7440-43-9	
Chromium	**1.1J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:34	7440-47-3	
Cobalt	**21.2**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:34	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:34	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:34	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:34	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:34	7782-49-2	
Silver	**0.20J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:34	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:34	7440-28-0	
Vanadium	**0.24J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:34	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:34	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 17:02	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 17:02	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 17:02	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 17:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 17:02	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 17:02	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 17:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 17:02	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 17:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 17:02	56-23-5	
Chlorobenzene	**1.2J**	ug/L	3.0	0.23	1		02/28/10 17:02	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 17:02	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 17:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 17:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 17:02	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 17:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 17:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 17:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 17:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 17:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 17:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 17:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 17:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 17:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 17:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 17:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 17:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 17:02	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 17:02	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-3 **Lab ID: 9264067004** Collected: 02/23/10 09:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 17:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 17:02	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 17:02	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 17:02	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 17:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 17:02	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 17:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 17:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 17:02	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 17:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 17:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 17:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 17:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 17:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 17:02	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 17:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 17:02	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 17:02	1330-20-7	
4-Bromofluorobenzene (S)	99	%	87-109		1		02/28/10 17:02	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/10 17:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 17:02	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 17:02	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-4R **Lab ID: 9264067005** Collected: 02/23/10 10:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:39	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:39	7440-38-2	
Barium	**66.3J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:39	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:39	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:39	7440-47-3	
Cobalt	**11.8**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:39	7440-48-4	
Copper	**2.2J**	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:39	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:39	7439-92-1	
Nickel	**2.7J**	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:39	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:39	7782-49-2	
Silver	**0.70J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:39	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:39	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:39	7440-62-2	
Zinc	**23.6**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:39	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 17:26	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 17:26	107-13-1	
Benzene	**0.28J**	ug/L	1.0	0.25	1		02/28/10 17:26	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 17:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 17:26	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 17:26	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 17:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 17:26	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 17:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 17:26	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 17:26	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 17:26	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 17:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 17:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 17:26	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 17:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 17:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 17:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 17:26	95-50-1	
1,4-Dichlorobenzene	**1.3**	ug/L	1.0	0.33	1		02/28/10 17:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 17:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 17:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 17:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 17:26	75-35-4	
cis-1,2-Dichloroethene	**1.2J**	ug/L	5.0	0.19	1		02/28/10 17:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 17:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 17:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 17:26	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 17:26	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-4R **Lab ID: 9264067005** Collected: 02/23/10 10:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 17:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 17:26	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 17:26	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 17:26	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 17:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 17:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 17:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 17:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 17:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 17:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 17:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 17:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 17:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 17:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 17:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 17:26	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 17:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 17:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 17:26	1330-20-7	
4-Bromofluorobenzene (S)	96	%	87-109		1		02/28/10 17:26	460-00-4	
Dibromofluoromethane (S)	110	%	85-115		1		02/28/10 17:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 17:26	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 17:26	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-5 **Lab ID: 9264067006** Collected: 02/23/10 11:15 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:43	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:43	7440-38-2	
Barium	**33.3J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:43	7440-39-3	
Beryllium	**0.42J**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:43	7440-43-9	
Chromium	**0.59J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:43	7440-47-3	
Cobalt	**2.2J**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:43	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:43	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:43	7439-92-1	
Nickel	**7.6J**	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:43	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:43	7782-49-2	
Silver	**0.90J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:43	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:43	7440-28-0	
Vanadium	**0.85J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:43	7440-62-2	
Zinc	**5.8J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:43	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 17:50	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 17:50	107-13-1	
Benzene	**0.95J**	ug/L	1.0	0.25	1		02/28/10 17:50	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 17:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 17:50	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 17:50	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 17:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 17:50	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 17:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 17:50	56-23-5	
Chlorobenzene	**8.1**	ug/L	3.0	0.23	1		02/28/10 17:50	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 17:50	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 17:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 17:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 17:50	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 17:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 17:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 17:50	74-95-3	
1,2-Dichlorobenzene	**0.56J**	ug/L	5.0	0.30	1		02/28/10 17:50	95-50-1	
1,4-Dichlorobenzene	**9.3**	ug/L	1.0	0.33	1		02/28/10 17:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 17:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 17:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 17:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 17:50	75-35-4	
cis-1,2-Dichloroethene	**4.6J**	ug/L	5.0	0.19	1		02/28/10 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 17:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 17:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 17:50	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 17:50	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-5 **Lab ID: 9264067006** Collected: 02/23/10 11:15 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 17:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 17:50	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 17:50	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 17:50	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 17:50	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 17:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 17:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 17:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 17:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 17:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 17:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 17:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 17:50	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 17:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 17:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 17:50	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 17:50	460-00-4	
Dibromofluoromethane (S)	109	%	85-115		1		02/28/10 17:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120		1		02/28/10 17:50	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-6 **Lab ID: 9264067007** Collected: 02/23/10 12:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:47	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:47	7440-38-2	
Barium	**28.8J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:47	7440-39-3	
Beryllium	**0.33J**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:47	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:47	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:47	7440-47-3	
Cobalt	**15.3**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:47	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:47	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:47	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:47	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:47	7782-49-2	
Silver	**0.26J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:47	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:47	7440-28-0	
Vanadium	**0.33J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:47	7440-62-2	
Zinc	**7.0J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:47	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 18:14	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 18:14	107-13-1	
Benzene	**1.5**	ug/L	1.0	0.25	1		02/28/10 18:14	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 18:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 18:14	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 18:14	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 18:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 18:14	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 18:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 18:14	56-23-5	
Chlorobenzene	**6.3**	ug/L	3.0	0.23	1		02/28/10 18:14	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 18:14	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 18:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 18:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 18:14	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 18:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 18:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 18:14	74-95-3	
1,2-Dichlorobenzene	**0.30J**	ug/L	5.0	0.30	1		02/28/10 18:14	95-50-1	
1,4-Dichlorobenzene	**11.2**	ug/L	1.0	0.33	1		02/28/10 18:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 18:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 18:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 18:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 18:14	75-35-4	
cis-1,2-Dichloroethene	**3.2J**	ug/L	5.0	0.19	1		02/28/10 18:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 18:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 18:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 18:14	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 18:14	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-6 **Lab ID: 9264067007** Collected: 02/23/10 12:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 18:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 18:14	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 18:14	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 18:14	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 18:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 18:14	108-10-1	
Naphthalene	**7.4J**	ug/L	10.0	0.24	1		02/28/10 18:14	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 18:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 18:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 18:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 18:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 18:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 18:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 18:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 18:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 18:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 18:14	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 18:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 18:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 18:14	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 18:14	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 18:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 18:14	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 18:14	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-6R **Lab ID: 9264067008** Collected: 02/23/10 09:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:51	7440-36-0	
Arsenic	**2.9J**	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:51	7440-38-2	
Barium	**36.1J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:51	7440-39-3	
Beryllium	**0.55J**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:51	7440-43-9	
Chromium	**4.0J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:51	7440-47-3	
Cobalt	**1.3J**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:51	7440-48-4	
Copper	**3.8J**	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:51	7439-92-1	
Nickel	**3.3J**	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:51	7782-49-2	
Silver	**0.20J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:51	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:51	7440-28-0	
Vanadium	**4.4J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:51	7440-62-2	
Zinc	**12.7**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:51	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 18:38	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 18:38	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 18:38	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 18:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 18:38	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 18:38	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 18:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 18:38	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 18:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 18:38	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 18:38	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 18:38	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 18:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 18:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 18:38	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 18:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 18:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 18:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 18:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 18:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 18:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 18:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 18:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 18:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 18:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 18:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 18:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 18:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 18:38	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-6R **Lab ID: 9264067008** Collected: 02/23/10 09:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 18:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 18:38	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 18:38	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 18:38	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 18:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 18:38	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 18:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 18:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 18:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 18:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 18:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 18:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 18:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 18:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 18:38	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 18:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 18:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 18:38	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 18:38	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 18:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		02/28/10 18:38	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-7 **Lab ID: 9264067009** Collected: 02/23/10 13:05 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 01:05	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 01:05	7440-38-2	
Barium	**44.6J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 01:05	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 01:05	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 01:05	7440-43-9	
Chromium	**0.82J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:05	7440-47-3	
Cobalt	**11.4**	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 01:05	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 01:05	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 01:05	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 01:05	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 01:05	7782-49-2	
Silver	**1.0J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 01:05	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 01:05	7440-28-0	
Vanadium	**0.53J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 01:05	7440-62-2	
Zinc	**8.9J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:05	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 19:02	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 19:02	107-13-1	
Benzene	**0.39J**	ug/L	1.0	0.25	1		02/28/10 19:02	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 19:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 19:02	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 19:02	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 19:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 19:02	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 19:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 19:02	56-23-5	
Chlorobenzene	**1.7J**	ug/L	3.0	0.23	1		02/28/10 19:02	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 19:02	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 19:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 19:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 19:02	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 19:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 19:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 19:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 19:02	95-50-1	
1,4-Dichlorobenzene	**1.4**	ug/L	1.0	0.33	1		02/28/10 19:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 19:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 19:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 19:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 19:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 19:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 19:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 19:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 19:02	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 19:02	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: MW-7 **Lab ID: 9264067009** Collected: 02/23/10 13:05 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 19:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 19:02	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 19:02	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 19:02	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 19:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 19:02	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 19:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 19:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 19:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 19:02	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 19:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 19:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 19:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 19:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 19:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 19:02	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 19:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 19:02	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 19:02	1330-20-7	
4-Bromofluorobenzene (S)	99	%	87-109		1		02/28/10 19:02	460-00-4	
Dibromofluoromethane (S)	109	%	85-115		1		02/28/10 19:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		02/28/10 19:02	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 19:02	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: PENDERGRASS **Lab ID: 9264067010** Collected: 02/23/10 15:10 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 01:10	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 01:10	7440-38-2	
Barium	**7.8J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 01:10	7440-39-3	
Beryllium	**0.13J**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 01:10	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 01:10	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:10	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 01:10	7440-48-4	
Copper	**18.5**	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 01:10	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 01:10	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 01:10	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 01:10	7782-49-2	
Silver	**0.11J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 01:10	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 01:10	7440-28-0	
Vanadium	**0.42J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 01:10	7440-62-2	
Zinc	**14.4**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:10	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 19:26	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 19:26	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 19:26	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 19:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 19:26	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 19:26	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 19:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 19:26	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 19:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 19:26	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 19:26	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 19:26	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 19:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 19:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 19:26	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 19:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 19:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 19:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 19:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 19:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 19:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 19:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 19:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 19:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 19:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 19:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 19:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 19:26	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 19:26	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: PENDERGRASS **Lab ID: 9264067010** Collected: 02/23/10 15:10 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 19:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 19:26	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 19:26	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 19:26	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 19:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 19:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 19:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 19:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 19:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 19:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 19:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 19:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 19:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 19:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 19:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 19:26	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 19:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 19:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 19:26	1330-20-7	
4-Bromofluorobenzene (S)	99	%	87-109		1		02/28/10 19:26	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/10 19:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		02/28/10 19:26	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 19:26	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: SOLESBEE **Lab ID: 9264067011** Collected: 02/23/10 15:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 01:13	7440-36-0	
Arsenic	**3.2J**	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 01:13	7440-38-2	
Barium	**1.6J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 01:13	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 01:13	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 01:13	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:13	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 01:13	7440-48-4	
Copper	**2.4J**	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 01:13	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 01:13	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 01:13	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 01:13	7782-49-2	
Silver	**0.21J**	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 01:13	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 01:13	7440-28-0	
Vanadium	**0.34J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 01:13	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 01:13	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 19:50	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 19:50	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 19:50	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 19:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 19:50	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 19:50	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 19:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 19:50	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 19:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 19:50	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 19:50	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 19:50	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 19:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 19:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 19:50	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 19:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 19:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 19:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 19:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 19:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 19:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 19:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 19:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 19:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 19:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 19:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 19:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 19:50	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 19:50	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: SOLESBEE **Lab ID: 9264067011** Collected: 02/23/10 15:35 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 19:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 19:50	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 19:50	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 19:50	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 19:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 19:50	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 19:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 19:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 19:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 19:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 19:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 19:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 19:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 19:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 19:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 19:50	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 19:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 19:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 19:50	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 19:50	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/10 19:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		02/28/10 19:50	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 19:50	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: VAN BUSKIRK (HANEY) **Lab ID: 9264067012** Collected: 02/23/10 15:55 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/04/10 13:49	03/11/10 17:42	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/04/10 13:49	03/11/10 17:42	7440-38-2	
Barium	**23.9J**	ug/L	100	0.20	1	03/04/10 13:49	03/11/10 17:42	7440-39-3	
Beryllium	**0.17J**	ug/L	1.0	0.10	1	03/04/10 13:49	03/11/10 17:42	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/04/10 13:49	03/11/10 17:42	7440-43-9	
Chromium	**0.44J**	ug/L	10.0	0.40	1	03/04/10 13:49	03/11/10 17:42	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/04/10 13:49	03/11/10 17:42	7440-48-4	
Copper	**12.2**	ug/L	10.0	0.30	1	03/04/10 13:49	03/11/10 17:42	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/04/10 13:49	03/11/10 17:42	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/04/10 13:49	03/11/10 17:42	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/04/10 13:49	03/11/10 17:42	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/04/10 13:49	03/11/10 17:42	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/04/10 13:49	03/11/10 17:42	7440-28-0	
Vanadium	**0.27J**	ug/L	25.0	0.20	1	03/04/10 13:49	03/11/10 17:42	7440-62-2	
Zinc	**13.6**	ug/L	10.0	0.40	1	03/04/10 13:49	03/11/10 17:42	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		03/01/10 00:46	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		03/01/10 00:46	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		03/01/10 00:46	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		03/01/10 00:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		03/01/10 00:46	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		03/01/10 00:46	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		03/01/10 00:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		03/01/10 00:46	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		03/01/10 00:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		03/01/10 00:46	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		03/01/10 00:46	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		03/01/10 00:46	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		03/01/10 00:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		03/01/10 00:46	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		03/01/10 00:46	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		03/01/10 00:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		03/01/10 00:46	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		03/01/10 00:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		03/01/10 00:46	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		03/01/10 00:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		03/01/10 00:46	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		03/01/10 00:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		03/01/10 00:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		03/01/10 00:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		03/01/10 00:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		03/01/10 00:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		03/01/10 00:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		03/01/10 00:46	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		03/01/10 00:46	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

Sample: VAN BUSKIRK (HANEY) **Lab ID: 9264067012** Collected: 02/23/10 15:55 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		03/01/10 00:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/01/10 00:46	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		03/01/10 00:46	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		03/01/10 00:46	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		03/01/10 00:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		03/01/10 00:46	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		03/01/10 00:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		03/01/10 00:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		03/01/10 00:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		03/01/10 00:46	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		03/01/10 00:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		03/01/10 00:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		03/01/10 00:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		03/01/10 00:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		03/01/10 00:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		03/01/10 00:46	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		03/01/10 00:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		03/01/10 00:46	75-01-4	
Xylene (Total)	**0.74J**	ug/L	2.0	0.66	1		03/01/10 00:46	1330-20-7	
4-Bromofluorobenzene (S)	97	%	87-109		1		03/01/10 00:46	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		03/01/10 00:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		03/01/10 00:46	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		03/01/10 00:46	2037-26-5	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

QC Batch: MPRP/5903 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9264067001, 9264067002, 9264067003, 9264067004, 9264067005, 9264067006, 9264067007, 9264067008, 9264067009, 9264067010, 9264067011

METHOD BLANK: 409960 | Matrix: Water
Associated Lab Samples: 9264067001, 9264067002, 9264067003, 9264067004, 9264067005, 9264067006, 9264067007, 9264067008, 9264067009, 9264067010, 9264067011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/10/10 23:07	
Arsenic	ug/L	3.9J	10.0	03/10/10 23:07	
Barium	ug/L	ND	100	03/10/10 23:07	
Beryllium	ug/L	0.11J	1.0	03/10/10 23:07	
Cadmium	ug/L	ND	1.0	03/10/10 23:07	
Chromium	ug/L	ND	10.0	03/10/10 23:07	
Cobalt	ug/L	ND	10.0	03/10/10 23:07	
Copper	ug/L	ND	10.0	03/10/10 23:07	
Lead	ug/L	ND	10.0	03/10/10 23:07	
Nickel	ug/L	ND	50.0	03/10/10 23:07	
Selenium	ug/L	ND	10.0	03/10/10 23:07	
Silver	ug/L	ND	10.0	03/10/10 23:07	
Thallium	ug/L	ND	5.5	03/10/10 23:07	
Vanadium	ug/L	ND	25.0	03/10/10 23:07	
Zinc	ug/L	1.4J	10.0	03/10/10 23:07	

LABORATORY CONTROL SAMPLE: 409961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	499	100	80-120	
Arsenic	ug/L	500	480	96	80-120	
Barium	ug/L	500	466	93	80-120	
Beryllium	ug/L	500	504	101	80-120	
Cadmium	ug/L	500	480	96	80-120	
Chromium	ug/L	500	482	96	80-120	
Cobalt	ug/L	500	491	98	80-120	
Copper	ug/L	500	482	96	80-120	
Lead	ug/L	500	479	96	80-120	
Nickel	ug/L	500	485	97	80-120	
Selenium	ug/L	500	471	94	80-120	
Silver	ug/L	250	242	97	80-120	
Thallium	ug/L	500	463	93	80-120	
Vanadium	ug/L	500	485	97	80-120	
Zinc	ug/L	500	478	96	80-120	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

MATRIX SPIKE SAMPLE: 409962

Parameter	Units	9263956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	5.02	500	465	93	75-125	
Arsenic	ug/L	5.02	500	464	92	75-125	
Barium	ug/L	2170	500	2500	65	75-125	M0
Beryllium	ug/L	3.0	500	464	92	75-125	
Cadmium	ug/L	0.89J	500	427	85	75-125	
Chromium	ug/L	0.50J	500	430	86	75-125	
Cobalt	ug/L	9.1	500	437	86	75-125	
Copper	ug/L	5.02	500	448	90	75-125	
Lead	ug/L	5.02	500	415	83	75-125	
Nickel	ug/L	3.2J	500	427	85	75-125	
Selenium	ug/L	10.02	500	453	91	75-125	
Silver	ug/L	1.2J	250	223	89	75-125	
Thallium	ug/L	5.42	500	393	78	75-125	
Vanadium	ug/L	0.56J	500	439	88	75-125	
Zinc	ug/L	70.1	500	509	88	75-125	

SAMPLE DUPLICATE: 409963

Parameter	Units	9263956002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	5.02	ND		25	
Arsenic	ug/L	3.4J	4.9J		25	
Barium	ug/L	186	174	7	25	
Beryllium	ug/L	0.34J	0.34J		25	
Cadmium	ug/L	1.02	ND		25	
Chromium	ug/L	0.85J	0.81J		25	
Cobalt	ug/L	34.2	32.7	4	25	
Copper	ug/L	3.6J	2.9J		25	
Lead	ug/L	5.02	ND		25	
Nickel	ug/L	10.9	10.8J	1	25	
Selenium	ug/L	10.02	ND		25	
Silver	ug/L	1.5J	1.4J		25	
Thallium	ug/L	5.42	ND		25	
Vanadium	ug/L	3.2J	2.7J		25	
Zinc	ug/L	5.0J	4.2J		25	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

QC Batch: MPRP/5913
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9264067012

METHOD BLANK: 410452
Matrix: Water
Associated Lab Samples: 9264067012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/11/10 17:36	
Arsenic	ug/L	ND	10.0	03/11/10 17:36	
Barium	ug/L	ND	100	03/11/10 17:36	
Beryllium	ug/L	ND	1.0	03/11/10 17:36	
Cadmium	ug/L	ND	1.0	03/11/10 17:36	
Chromium	ug/L	ND	10.0	03/11/10 17:36	
Cobalt	ug/L	ND	10.0	03/11/10 17:36	
Copper	ug/L	ND	10.0	03/11/10 17:36	
Lead	ug/L	ND	10.0	03/11/10 17:36	
Nickel	ug/L	ND	50.0	03/11/10 17:36	
Selenium	ug/L	ND	10.0	03/11/10 17:36	
Silver	ug/L	ND	10.0	03/11/10 17:36	
Thallium	ug/L	ND	5.5	03/11/10 17:36	
Vanadium	ug/L	ND	25.0	03/11/10 17:36	
Zinc	ug/L	2.9J	10.0	03/11/10 17:36	

LABORATORY CONTROL SAMPLE: 410453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	493	99	80-120	
Arsenic	ug/L	500	473	95	80-120	
Barium	ug/L	500	486	97	80-120	
Beryllium	ug/L	500	499	100	80-120	
Cadmium	ug/L	500	483	97	80-120	
Chromium	ug/L	500	488	98	80-120	
Cobalt	ug/L	500	487	97	80-120	
Copper	ug/L	500	479	96	80-120	
Lead	ug/L	500	478	96	80-120	
Nickel	ug/L	500	487	97	80-120	
Selenium	ug/L	500	480	96	80-120	
Silver	ug/L	250	243	97	80-120	
Thallium	ug/L	500	460	92	80-120	
Vanadium	ug/L	500	483	97	80-120	
Zinc	ug/L	500	480	96	80-120	

MATRIX SPIKE SAMPLE: 410454

Parameter	Units	9264067012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	496	99	75-125	
Arsenic	ug/L	ND	500	475	95	75-125	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

MATRIX SPIKE SAMPLE: 410454

Parameter	Units	9264067012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	23.9J	500	509	97	75-125	
Beryllium	ug/L	0.17J	500	499	100	75-125	
Cadmium	ug/L	ND	500	483	97	75-125	
Chromium	ug/L	0.44J	500	490	98	75-125	
Cobalt	ug/L	ND	500	488	98	75-125	
Copper	ug/L	12.2	500	492	96	75-125	
Lead	ug/L	ND	500	478	95	75-125	
Nickel	ug/L	ND	500	488	97	75-125	
Selenium	ug/L	ND	500	479	96	75-125	
Silver	ug/L	ND	250	243	97	75-125	
Thallium	ug/L	ND	500	457	91	75-125	
Vanadium	ug/L	0.27J	500	486	97	75-125	
Zinc	ug/L	13.6	500	492	96	75-125	

SAMPLE DUPLICATE: 410455

Parameter	Units	9264068001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	5.1J	3.9J		25	
Barium	ug/L	123	113	8	25	
Beryllium	ug/L	2.2	2.0	8	25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	45.7	40.4	12	25	
Cobalt	ug/L	69.4	65.6	6	25	
Copper	ug/L	47.7	43.4	9	25	
Lead	ug/L	17.2	15.8	8	25	
Nickel	ug/L	59.7	55.2	8	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.14J	0.12J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	33.9	30.2	12	25	
Zinc	ug/L	83.8	77.4	8	25	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

QC Batch: MSV/10114 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9264067001, 9264067002, 9264067003, 9264067004, 9264067005, 9264067006, 9264067007, 9264067008, 9264067009, 9264067010, 9264067011

METHOD BLANK: 408642 Matrix: Water
Associated Lab Samples: 9264067001, 9264067002, 9264067003, 9264067004, 9264067005, 9264067006, 9264067007, 9264067008, 9264067009, 9264067010, 9264067011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/10 10:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/10 10:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/10 10:30	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/10 10:30	
2-Butanone (MEK)	ug/L	ND	100	02/28/10 10:30	
2-Hexanone	ug/L	ND	50.0	02/28/10 10:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/10 10:30	
Acetone	ug/L	ND	100	02/28/10 10:30	
Acrylonitrile	ug/L	ND	200	02/28/10 10:30	
Benzene	ug/L	ND	1.0	02/28/10 10:30	
Bromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Bromodichloromethane	ug/L	ND	1.0	02/28/10 10:30	
Bromoform	ug/L	ND	3.0	02/28/10 10:30	
Bromomethane	ug/L	ND	10.0	02/28/10 10:30	
Carbon disulfide	ug/L	ND	100	02/28/10 10:30	
Carbon tetrachloride	ug/L	ND	1.0	02/28/10 10:30	
Chlorobenzene	ug/L	ND	3.0	02/28/10 10:30	
Chloroethane	ug/L	ND	10.0	02/28/10 10:30	
Chloroform	ug/L	ND	5.0	02/28/10 10:30	
Chloromethane	ug/L	ND	1.0	02/28/10 10:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
Dibromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Dibromomethane	ug/L	ND	10.0	02/28/10 10:30	
Ethylbenzene	ug/L	ND	1.0	02/28/10 10:30	
Iodomethane	ug/L	ND	10.0	02/28/10 10:30	
Methylene Chloride	ug/L	ND	2.0	02/28/10 10:30	
Naphthalene	ug/L	ND	10.0	02/28/10 10:30	
Styrene	ug/L	ND	1.0	02/28/10 10:30	
Tetrachloroethene	ug/L	ND	1.0	02/28/10 10:30	
Toluene	ug/L	ND	1.0	02/28/10 10:30	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

METHOD BLANK: 408642 Matrix: Water

Associated Lab Samples: 9264067001, 9264067002, 9264067003, 9264067004, 9264067005, 9264067006, 9264067007, 9264067008, 9264067009, 9264067010, 9264067011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/10 10:30	
Trichloroethene	ug/L	ND	1.0	02/28/10 10:30	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/10 10:30	
Vinyl acetate	ug/L	ND	50.0	02/28/10 10:30	
Vinyl chloride	ug/L	ND	1.0	02/28/10 10:30	
Xylene (Total)	ug/L	ND	2.0	02/28/10 10:30	
1,2-Dichloroethane-d4 (S)	%	93	79-120	02/28/10 10:30	
4-Bromofluorobenzene (S)	%	98	87-109	02/28/10 10:30	
Dibromofluoromethane (S)	%	104	85-115	02/28/10 10:30	
Toluene-d8 (S)	%	101	70-120	02/28/10 10:30	

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	83-125	
1,1,1-Trichloroethane	ug/L	50	51.4	103	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	73-127	
1,1,2-Trichloroethane	ug/L	50	52.2	104	77-123	
1,1-Dichloroethane	ug/L	50	55.3	111	76-129	
1,1-Dichloroethene	ug/L	50	50.1	100	78-146	
1,2,3-Trichloropropane	ug/L	50	49.4	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.1	86	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	81-125	
1,2-Dichlorobenzene	ug/L	50	50.2	100	82-126	
1,2-Dichloroethane	ug/L	50	46.8	94	72-126	
1,2-Dichloropropane	ug/L	50	51.5	103	80-127	
1,3-Dichloropropane	ug/L	50	49.9	100	79-124	
1,4-Dichlorobenzene	ug/L	50	49.8	100	79-125	
2-Butanone (MEK)	ug/L	100	106	106	50-134	
2-Hexanone	ug/L	100	110	110	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	126	126	50-146	
Acrylonitrile	ug/L	250	263	105	66-124	
Benzene	ug/L	50	52.4	105	78-128	
Bromochloromethane	ug/L	50	54.5	109	73-124	
Bromodichloromethane	ug/L	50	49.7	99	81-125	
Bromoform	ug/L	50	39.1	78	71-125	
Bromomethane	ug/L	50	39.1	78	50-150	
Carbon disulfide	ug/L	50	55.0J	110	54-150	
Carbon tetrachloride	ug/L	50	48.8	98	81-137	
Chlorobenzene	ug/L	50	51.5	103	82-126	
Chloroethane	ug/L	50	51.8	104	69-140	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	50	50.9	102	77-129	
Chloromethane	ug/L	50	47.1	94	54-139	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.9	106	76-127	
Dibromochloromethane	ug/L	50	48.9	98	77-125	
Dibromomethane	ug/L	50	51.4	103	77-125	
Ethylbenzene	ug/L	50	51.7	103	80-127	
Iodomethane	ug/L	100	115	115	65-172	
Methylene Chloride	ug/L	50	41.8	84	67-133	
Naphthalene	ug/L	50	50.0	100	52-136	
Styrene	ug/L	50	53.0	106	80-130	
Tetrachloroethene	ug/L	50	52.8	106	78-128	
Toluene	ug/L	50	52.1	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.2	102	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	47.6J	95	51-140	
Trichloroethene	ug/L	50	53.1	106	79-127	
Trichlorofluoromethane	ug/L	50	47.7	95	76-148	
Vinyl acetate	ug/L	100	121	121	50-150	
Vinyl chloride	ug/L	50	46.5	93	67-143	
Xylene (Total)	ug/L	150	159	106	83-125	
1,2-Dichloroethane-d4 (S)	%			91	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 408644 408645

Parameter	Units	9264067011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	59.0	57.6	118	115	60-150	2	30	
Benzene	ug/L	ND	50	50	57.1	56.7	114	113	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	56.4	55.8	113	112	79-135	1	30	
Toluene	ug/L	ND	50	50	57.9	57.2	116	114	73-131	1	30	
Trichloroethene	ug/L	ND	50	50	59.3	58.2	119	116	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						98	96	79-120			
4-Bromofluorobenzene (S)	%						102	101	87-109			
Dibromofluoromethane (S)	%						102	100	85-115			
Toluene-d8 (S)	%						100	100	70-120			

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

QC Batch: MSV/10115
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9264067012

METHOD BLANK: 408650
Matrix: Water
Associated Lab Samples: 9264067012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/10 22:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/10 22:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/10 22:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/10 22:38	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/10 22:38	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/10 22:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/10 22:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/10 22:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/10 22:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/10 22:38	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/10 22:38	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/10 22:38	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/10 22:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/10 22:38	
2-Butanone (MEK)	ug/L	ND	100	02/28/10 22:38	
2-Hexanone	ug/L	ND	50.0	02/28/10 22:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/10 22:38	
Acetone	ug/L	ND	100	02/28/10 22:38	
Acrylonitrile	ug/L	ND	200	02/28/10 22:38	
Benzene	ug/L	ND	1.0	02/28/10 22:38	
Bromochloromethane	ug/L	ND	3.0	02/28/10 22:38	
Bromodichloromethane	ug/L	ND	1.0	02/28/10 22:38	
Bromoform	ug/L	ND	3.0	02/28/10 22:38	
Bromomethane	ug/L	ND	10.0	02/28/10 22:38	
Carbon disulfide	ug/L	ND	100	02/28/10 22:38	
Carbon tetrachloride	ug/L	ND	1.0	02/28/10 22:38	
Chlorobenzene	ug/L	ND	3.0	02/28/10 22:38	
Chloroethane	ug/L	ND	10.0	02/28/10 22:38	
Chloroform	ug/L	ND	5.0	02/28/10 22:38	
Chloromethane	ug/L	ND	1.0	02/28/10 22:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 22:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 22:38	
Dibromochloromethane	ug/L	ND	3.0	02/28/10 22:38	
Dibromomethane	ug/L	ND	10.0	02/28/10 22:38	
Ethylbenzene	ug/L	ND	1.0	02/28/10 22:38	
Iodomethane	ug/L	ND	10.0	02/28/10 22:38	
Methylene Chloride	ug/L	ND	2.0	02/28/10 22:38	
Styrene	ug/L	ND	1.0	02/28/10 22:38	
Tetrachloroethene	ug/L	ND	1.0	02/28/10 22:38	
Toluene	ug/L	ND	1.0	02/28/10 22:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 22:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 22:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/10 22:38	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

METHOD BLANK: 408650 Matrix: Water

Associated Lab Samples: 9264067012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	02/28/10 22:38	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/10 22:38	
Vinyl acetate	ug/L	ND	50.0	02/28/10 22:38	
Vinyl chloride	ug/L	ND	1.0	02/28/10 22:38	
Xylene (Total)	ug/L	ND	2.0	02/28/10 22:38	
1,2-Dichloroethane-d4 (S)	%	101	79-120	02/28/10 22:38	
4-Bromofluorobenzene (S)	%	97	87-109	02/28/10 22:38	
Dibromofluoromethane (S)	%	107	85-115	02/28/10 22:38	
Toluene-d8 (S)	%	101	70-120	02/28/10 22:38	

LABORATORY CONTROL SAMPLE: 408651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	83-125	
1,1,1-Trichloroethane	ug/L	50	54.5	109	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	73-127	
1,1,2-Trichloroethane	ug/L	50	53.9	108	77-123	
1,1-Dichloroethane	ug/L	50	56.4	113	76-129	
1,1-Dichloroethene	ug/L	50	52.1	104	78-146	
1,2,3-Trichloropropane	ug/L	50	52.3	105	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	46.9	94	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	81-125	
1,2-Dichlorobenzene	ug/L	50	50.6	101	82-126	
1,2-Dichloroethane	ug/L	50	49.2	98	72-126	
1,2-Dichloropropane	ug/L	50	53.5	107	80-127	
1,3-Dichloropropane	ug/L	50	50.4	101	79-124	
1,4-Dichlorobenzene	ug/L	50	49.5	99	79-125	
2-Butanone (MEK)	ug/L	100	115	115	50-134	
2-Hexanone	ug/L	100	118	118	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	113	70-131	
Acetone	ug/L	100	126	126	50-146	
Acrylonitrile	ug/L	250	294	118	66-124	
Benzene	ug/L	50	53.2	106	78-128	
Bromochloromethane	ug/L	50	54.6	109	73-124	
Bromodichloromethane	ug/L	50	50.2	100	81-125	
Bromoform	ug/L	50	50.7	101	71-125	
Bromomethane	ug/L	50	40.2	80	50-150	
Carbon disulfide	ug/L	50	55.6J	111	54-150	
Carbon tetrachloride	ug/L	50	51.8	104	81-137	
Chlorobenzene	ug/L	50	52.3	105	82-126	
Chloroethane	ug/L	50	51.7	103	69-140	
Chloroform	ug/L	50	51.9	104	77-129	
Chloromethane	ug/L	50	48.3	97	54-139	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.6	105	76-127	

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QUALITY CONTROL DATA

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

LABORATORY CONTROL SAMPLE: 408651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	50.2	100	77-125	
Dibromomethane	ug/L	50	52.8	106	77-125	
Ethylbenzene	ug/L	50	52.5	105	80-127	
Iodomethane	ug/L	100	119	119	65-172	
Methylene Chloride	ug/L	50	43.3	87	67-133	
Styrene	ug/L	50	53.1	106	80-130	
Tetrachloroethene	ug/L	50	52.2	104	78-128	
Toluene	ug/L	50	53.2	106	76-126	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	78-134	
trans-1,3-Dichloropropene	ug/L	50	52.1	104	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	51.8J	104	51-140	
Trichloroethene	ug/L	50	54.8	110	79-127	
Trichlorofluoromethane	ug/L	50	50.2	100	76-148	
Vinyl acetate	ug/L	100	114	114	50-150	
Vinyl chloride	ug/L	50	47.7	95	67-143	
Xylene (Total)	ug/L	150	161	107	83-125	
1,2-Dichloroethane-d4 (S)	%			95	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 408652 408653

Parameter	Units	9264153006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	63.3	62.7	127	125	60-150	1	30	
Benzene	ug/L	0.59J	50	50	57.9	56.3	115	111	74-136	3	30	
Chlorobenzene	ug/L	1.3J	50	50	56.5	55.1	110	108	79-135	3	30	
Toluene	ug/L	ND	50	50	57.8	56.7	116	113	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	58.5	57.1	117	114	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						102	102	79-120			
4-Bromofluorobenzene (S)	%						99	98	87-109			
Dibromofluoromethane (S)	%						105	107	85-115			
Toluene-d8 (S)	%						100	100	70-120			

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QUALIFIERS

Project: CHEROKEE CLOSED
Pace Project No.: 9264067

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.

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.

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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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: 1 of 1

1352604

Section A Required Client Information:

Company: Municipal Engineering Services (MESCO)
Address: PO Box 97
Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919)772-5393 Fax: (919)772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Cherokee Closed
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie
Pace Profile #: 2103-3

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOCs - App I	Metals - App I	Naphalene (8260)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			2/23/10	1:40		4			1	3					✓	✓		N	9264067 001
2	MW-2						10:05															002
3	MW-2R						8:20															003
4	MW-3						9:35															004
5	MW-4R						10:35															005
6	MW-5						11:15															006
7	MW-6						12:00													✓		007
8	MW-6R						9:00															008
9	MW-7						1:05															009
10	Pendergrass						3:10															010
11	Solesbee						3:35															011
12	Van Buskirk (Haney)						3:55															012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
"Rathbone" WSW Disconnected now on municipal water.	[signature] / MESCO	2/25/10	940	[signature] / Pace	2/25/10	940				
	[signature] / Pace	2/25/10	1310	[signature] / Pace	2/25/10	1310	4.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/24/10

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

*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.

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

March 19, 2010

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Charlotte Certification IDs

9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213

Asheville Certification IDs

2225 Riverside Dr. Asheville, NC 28804
Connecticut Certification #: PH-0106
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Tennessee Certification #: 2980
Virginia Certification #: 00072
West Virginia Certification #: 356
Florida/NELAP Certification #: E87648

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SAMPLE SUMMARY

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9264064001	**EB**	Water	02/23/10 07:00	02/25/10 13:10
9264064002	**FB**	Water	02/23/10 07:10	02/25/10 13:10
9264064003	**TB**	Water	02/23/10 00:00	02/25/10 13:10

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SAMPLE ANALYTE COUNT

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9264064001	**EB**	EPA 6010	EWS	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9264064002	**FB**	EPA 8260	MCK	52	PASI-C
9264064003	**TB**	EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: EB **Lab ID: 9264064001** Collected: 02/23/10 07:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/10/10 23:56	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/10/10 23:56	7440-38-2	
Barium	ND	ug/L	100	0.20	1	03/03/10 13:55	03/10/10 23:56	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/10/10 23:56	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/10/10 23:56	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/10/10 23:56	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/10/10 23:56	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/10/10 23:56	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/10/10 23:56	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/10/10 23:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/10/10 23:56	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/03/10 13:55	03/10/10 23:56	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/10/10 23:56	7440-28-0	
Tin	ND	ug/L	100	1.8	1	03/03/10 13:55	03/10/10 23:56	7440-31-5	
Vanadium	ND	ug/L	25.0	0.20	1	03/03/10 13:55	03/10/10 23:56	7440-62-2	
Zinc	**1.9J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/10/10 23:56	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	03/16/10 10:30	03/17/10 12:23	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 13:26	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 13:26	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 13:26	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 13:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 13:26	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 13:26	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 13:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 13:26	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 13:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 13:26	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 13:26	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 13:26	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 13:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 13:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 13:26	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 13:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 13:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 13:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 13:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 13:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 13:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 13:26	75-34-3	
1,2-Dichloroethane	**1.3**	ug/L	1.0	0.12	1		02/28/10 13:26	107-06-2	C9
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 13:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 13:26	156-59-2	

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: EB **Lab ID: 9264064001** Collected: 02/23/10 07:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 13:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 13:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 13:26	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 13:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 13:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 13:26	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 13:26	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 13:26	74-88-4	
Methylene Chloride	**5.1**	ug/L	2.0	0.97	1		02/28/10 13:26	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 13:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 13:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 13:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 13:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 13:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 13:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 13:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 13:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 13:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 13:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 13:26	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 13:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 13:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 13:26	1330-20-7	
4-Bromofluorobenzene (S)	96	%	87-109		1		02/28/10 13:26	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 13:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		02/28/10 13:26	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 13:26	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: FB **Lab ID: 9264064002** Collected: 02/23/10 07:10 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 13:50	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 13:50	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 13:50	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 13:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 13:50	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 13:50	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 13:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 13:50	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 13:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 13:50	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 13:50	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 13:50	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 13:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 13:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 13:50	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 13:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 13:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 13:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 13:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 13:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 13:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 13:50	75-34-3	
1,2-Dichloroethane	**1.3**	ug/L	1.0	0.12	1		02/28/10 13:50	107-06-2	C9
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 13:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 13:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 13:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 13:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 13:50	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 13:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 13:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 13:50	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 13:50	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 13:50	74-88-4	
Methylene Chloride	**5.1**	ug/L	2.0	0.97	1		02/28/10 13:50	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 13:50	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 13:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 13:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 13:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 13:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 13:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 13:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 13:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 13:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 13:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 13:50	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 13:50	108-05-4	

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: FB **Lab ID: 9264064002** Collected: 02/23/10 07:10 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 13:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 13:50	1330-20-7	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/10 13:50	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/10 13:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		02/28/10 13:50	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 13:50	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: TB **Lab ID: 9264064003** Collected: 02/23/10 00:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**36.8J**	ug/L	100	2.2	1		02/28/10 14:14	67-64-1	C9
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 14:14	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 14:14	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 14:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 14:14	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 14:14	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 14:14	74-83-9	
2-Butanone (MEK)	**5.8J**	ug/L	100	0.96	1		02/28/10 14:14	78-93-3	C9
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 14:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 14:14	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 14:14	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 14:14	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 14:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 14:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 14:14	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 14:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 14:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 14:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 14:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 14:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 14:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 14:14	75-34-3	
1,2-Dichloroethane	**1.6**	ug/L	1.0	0.12	1		02/28/10 14:14	107-06-2	C9
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 14:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 14:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 14:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 14:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 14:14	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 14:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 14:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 14:14	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 14:14	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 14:14	74-88-4	
Methylene Chloride	**2.2**	ug/L	2.0	0.97	1		02/28/10 14:14	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 14:14	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 14:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 14:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 14:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 14:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 14:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 14:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 14:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 14:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 14:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 14:14	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 14:14	108-05-4	

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ANALYTICAL RESULTS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

Sample: TB **Lab ID: 9264064003** Collected: 02/23/10 00:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 14:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 14:14	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 14:14	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 14:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		02/28/10 14:14	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 14:14	2037-26-5	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

QC Batch: MPRP/5903
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9264064001

METHOD BLANK: 409960
Matrix: Water
Associated Lab Samples: 9264064001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/10/10 23:07	
Arsenic	ug/L	3.9J	10.0	03/10/10 23:07	
Barium	ug/L	ND	100	03/10/10 23:07	
Beryllium	ug/L	0.11J	1.0	03/10/10 23:07	
Cadmium	ug/L	ND	1.0	03/10/10 23:07	
Chromium	ug/L	ND	10.0	03/10/10 23:07	
Cobalt	ug/L	ND	10.0	03/10/10 23:07	
Copper	ug/L	ND	10.0	03/10/10 23:07	
Lead	ug/L	ND	10.0	03/10/10 23:07	
Nickel	ug/L	ND	50.0	03/10/10 23:07	
Selenium	ug/L	ND	10.0	03/10/10 23:07	
Silver	ug/L	ND	10.0	03/10/10 23:07	
Thallium	ug/L	ND	5.5	03/10/10 23:07	
Vanadium	ug/L	ND	25.0	03/10/10 23:07	
Zinc	ug/L	1.4J	10.0	03/10/10 23:07	

LABORATORY CONTROL SAMPLE: 409961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	499	100	80-120	
Arsenic	ug/L	500	480	96	80-120	
Barium	ug/L	500	466	93	80-120	
Beryllium	ug/L	500	504	101	80-120	
Cadmium	ug/L	500	480	96	80-120	
Chromium	ug/L	500	482	96	80-120	
Cobalt	ug/L	500	491	98	80-120	
Copper	ug/L	500	482	96	80-120	
Lead	ug/L	500	479	96	80-120	
Nickel	ug/L	500	485	97	80-120	
Selenium	ug/L	500	471	94	80-120	
Silver	ug/L	250	242	97	80-120	
Thallium	ug/L	500	463	93	80-120	
Vanadium	ug/L	500	485	97	80-120	
Zinc	ug/L	500	478	96	80-120	

MATRIX SPIKE SAMPLE: 409962

Parameter	Units	9263956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	5.02	500	465	93	75-125	
Arsenic	ug/L	5.02	500	464	92	75-125	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

MATRIX SPIKE SAMPLE: 409962

Parameter	Units	9263956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	2170	500	2500	65	75-125	M0
Beryllium	ug/L	3.0	500	464	92	75-125	
Cadmium	ug/L	0.89J	500	427	85	75-125	
Chromium	ug/L	0.50J	500	430	86	75-125	
Cobalt	ug/L	9.1	500	437	86	75-125	
Copper	ug/L	5.02	500	448	90	75-125	
Lead	ug/L	5.02	500	415	83	75-125	
Nickel	ug/L	3.2J	500	427	85	75-125	
Selenium	ug/L	10.02	500	453	91	75-125	
Silver	ug/L	1.2J	250	223	89	75-125	
Thallium	ug/L	5.42	500	393	78	75-125	
Vanadium	ug/L	0.56J	500	439	88	75-125	
Zinc	ug/L	70.1	500	509	88	75-125	

SAMPLE DUPLICATE: 409963

Parameter	Units	9263956002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	5.02	ND		25	
Arsenic	ug/L	3.4J	4.9J		25	
Barium	ug/L	186	174	7	25	
Beryllium	ug/L	0.34J	0.34J		25	
Cadmium	ug/L	1.02	ND		25	
Chromium	ug/L	0.85J	0.81J		25	
Cobalt	ug/L	34.2	32.7	4	25	
Copper	ug/L	3.6J	2.9J		25	
Lead	ug/L	5.02	ND		25	
Nickel	ug/L	10.9	10.8J	1	25	
Selenium	ug/L	10.02	ND		25	
Silver	ug/L	1.5J	1.4J		25	
Thallium	ug/L	5.42	ND		25	
Vanadium	ug/L	3.2J	2.7J		25	
Zinc	ug/L	5.0J	4.2J		25	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

QC Batch: MERP/2713
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9264064001

METHOD BLANK: 415411
Matrix: Water
Associated Lab Samples: 9264064001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/17/10 12:18	

LABORATORY CONTROL SAMPLE: 415412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	99	80-120	

MATRIX SPIKE SAMPLE: 415413

Parameter	Units	9264064001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	95	75-125	

SAMPLE DUPLICATE: 415414

Parameter	Units	9265277001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.088J	0.093J		25	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

QC Batch: MSV/10114 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9264064001, 9264064002, 9264064003

METHOD BLANK: 408642 Matrix: Water
Associated Lab Samples: 9264064001, 9264064002, 9264064003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/10 10:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/10 10:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/10 10:30	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/10 10:30	
2-Butanone (MEK)	ug/L	ND	100	02/28/10 10:30	
2-Hexanone	ug/L	ND	50.0	02/28/10 10:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/10 10:30	
Acetone	ug/L	ND	100	02/28/10 10:30	
Acrylonitrile	ug/L	ND	200	02/28/10 10:30	
Benzene	ug/L	ND	1.0	02/28/10 10:30	
Bromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Bromodichloromethane	ug/L	ND	1.0	02/28/10 10:30	
Bromoform	ug/L	ND	3.0	02/28/10 10:30	
Bromomethane	ug/L	ND	10.0	02/28/10 10:30	
Carbon disulfide	ug/L	ND	100	02/28/10 10:30	
Carbon tetrachloride	ug/L	ND	1.0	02/28/10 10:30	
Chlorobenzene	ug/L	ND	3.0	02/28/10 10:30	
Chloroethane	ug/L	ND	10.0	02/28/10 10:30	
Chloroform	ug/L	ND	5.0	02/28/10 10:30	
Chloromethane	ug/L	ND	1.0	02/28/10 10:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
Dibromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Dibromomethane	ug/L	ND	10.0	02/28/10 10:30	
Ethylbenzene	ug/L	ND	1.0	02/28/10 10:30	
Iodomethane	ug/L	ND	10.0	02/28/10 10:30	
Methylene Chloride	ug/L	ND	2.0	02/28/10 10:30	
Styrene	ug/L	ND	1.0	02/28/10 10:30	
Tetrachloroethene	ug/L	ND	1.0	02/28/10 10:30	
Toluene	ug/L	ND	1.0	02/28/10 10:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/10 10:30	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

METHOD BLANK: 408642 Matrix: Water

Associated Lab Samples: 9264064001, 9264064002, 9264064003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	02/28/10 10:30	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/10 10:30	
Vinyl acetate	ug/L	ND	50.0	02/28/10 10:30	
Vinyl chloride	ug/L	ND	1.0	02/28/10 10:30	
Xylene (Total)	ug/L	ND	2.0	02/28/10 10:30	
1,2-Dichloroethane-d4 (S)	%	93	79-120	02/28/10 10:30	
4-Bromofluorobenzene (S)	%	98	87-109	02/28/10 10:30	
Dibromofluoromethane (S)	%	104	85-115	02/28/10 10:30	
Toluene-d8 (S)	%	101	70-120	02/28/10 10:30	

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	83-125	
1,1,1-Trichloroethane	ug/L	50	51.4	103	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	73-127	
1,1,2-Trichloroethane	ug/L	50	52.2	104	77-123	
1,1-Dichloroethane	ug/L	50	55.3	111	76-129	
1,1-Dichloroethene	ug/L	50	50.1	100	78-146	
1,2,3-Trichloropropane	ug/L	50	49.4	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.1	86	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	81-125	
1,2-Dichlorobenzene	ug/L	50	50.2	100	82-126	
1,2-Dichloroethane	ug/L	50	46.8	94	72-126	
1,2-Dichloropropane	ug/L	50	51.5	103	80-127	
1,3-Dichloropropane	ug/L	50	49.9	100	79-124	
1,4-Dichlorobenzene	ug/L	50	49.8	100	79-125	
2-Butanone (MEK)	ug/L	100	106	106	50-134	
2-Hexanone	ug/L	100	110	110	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	126	126	50-146	
Acrylonitrile	ug/L	250	263	105	66-124	
Benzene	ug/L	50	52.4	105	78-128	
Bromochloromethane	ug/L	50	54.5	109	73-124	
Bromodichloromethane	ug/L	50	49.7	99	81-125	
Bromoform	ug/L	50	39.1	78	71-125	
Bromomethane	ug/L	50	39.1	78	50-150	
Carbon disulfide	ug/L	50	55.0J	110	54-150	
Carbon tetrachloride	ug/L	50	48.8	98	81-137	
Chlorobenzene	ug/L	50	51.5	103	82-126	
Chloroethane	ug/L	50	51.8	104	69-140	
Chloroform	ug/L	50	50.9	102	77-129	
Chloromethane	ug/L	50	47.1	94	54-139	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.9	106	76-127	

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QUALITY CONTROL DATA

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	48.9	98	77-125	
Dibromomethane	ug/L	50	51.4	103	77-125	
Ethylbenzene	ug/L	50	51.7	103	80-127	
Iodomethane	ug/L	100	115	115	65-172	
Methylene Chloride	ug/L	50	41.8	84	67-133	
Styrene	ug/L	50	53.0	106	80-130	
Tetrachloroethene	ug/L	50	52.8	106	78-128	
Toluene	ug/L	50	52.1	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.2	102	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	47.6J	95	51-140	
Trichloroethene	ug/L	50	53.1	106	79-127	
Trichlorofluoromethane	ug/L	50	47.7	95	76-148	
Vinyl acetate	ug/L	100	121	121	50-150	
Vinyl chloride	ug/L	50	46.5	93	67-143	
Xylene (Total)	ug/L	150	159	106	83-125	
1,2-Dichloroethane-d4 (S)	%			91	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 408644 408645

Parameter	Units	9264067011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	59.0	57.6	118	115	60-150	2	30	
Benzene	ug/L	ND	50	50	57.1	56.7	114	113	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	56.4	55.8	113	112	79-135	1	30	
Toluene	ug/L	ND	50	50	57.9	57.2	116	114	73-131	1	30	
Trichloroethene	ug/L	ND	50	50	59.3	58.2	119	116	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						98	96	79-120			
4-Bromofluorobenzene (S)	%						102	101	87-109			
Dibromofluoromethane (S)	%						102	100	85-115			
Toluene-d8 (S)	%						100	100	70-120			

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

QUALIFIERS

Project: CHEROKEE BLANKS
Pace Project No.: 9264064

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.

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.

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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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: 1 of 1

1352606

Section A Required Client Information:

Company: Municipal Engineering Services PO Box 97
Address: Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919) 772-1176 Fax: (919) 772-5393
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Cherokee Blanks
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie
Pace Profile #: 2103-3

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	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: VOCs - App I	Analysis Test: Metals - App II	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EB	WT	G			2/23/10	7:00		4			1	3					✓	✓	N	001
2	FB	↓	↓			2/23/10	7:10		3				3					✓			002
3	TB				PACE	Filled			2				2					✓			003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Pace DI H_2O	MESCO	2/25/10	940	Pace	2/25/10	940
Pine Env. "sink Fast" B. Bular for EB.	Pace	2/25/10	1310	Pace	2/25	1310

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jonathan Pfohl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 2/24/10

*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.

F-ALL-Q-020rev.07, 15 May 2007

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March 15, 2010

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: CHEROKEE - SW
Pace Project No.: 9264065

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Charlotte Certification IDs

Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
Florida/NELAP Certification #: E87627
Connecticut Certification #: PH-0104
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
North Carolina Wastewater Certification #: 12
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012

Asheville Certification IDs

Connecticut Certification #: PH-0106
2225 Riverside Dr. Asheville, NC 28804
Virginia Certification #: 00072
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095
Florida/NELAP Certification #: E87648
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: CHEROKEE - SW
Pace Project No.: 9264065

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9264065001	**SW-1**	Water	02/23/10 11:00	02/25/10 13:10
9264065002	**SW-2**	Water	02/23/10 13:55	02/25/10 13:10
9264065003	**SW-4**	Water	02/23/10 14:20	02/25/10 13:10

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SAMPLE ANALYTE COUNT

Project: CHEROKEE - SW
Pace Project No.: 9264065

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9264065001	**SW-1**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264065002	**SW-2**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9264065003	**SW-4**	EPA 6010	EWS	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-1 **Lab ID: 9264065001** Collected: 02/23/10 11:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/10/10 23:59	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/10/10 23:59	7440-38-2	
Barium	**5.8J**	ug/L	100	0.20	1	03/03/10 13:55	03/10/10 23:59	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/10/10 23:59	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/10/10 23:59	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/10/10 23:59	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/10/10 23:59	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/10/10 23:59	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/10/10 23:59	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/10/10 23:59	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/10/10 23:59	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/03/10 13:55	03/10/10 23:59	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/10/10 23:59	7440-28-0	
Vanadium	**0.43J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/10/10 23:59	7440-62-2	
Zinc	**3.6J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/10/10 23:59	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 14:38	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 14:38	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 14:38	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 14:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 14:38	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 14:38	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 14:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 14:38	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 14:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 14:38	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 14:38	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 14:38	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 14:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 14:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 14:38	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 14:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 14:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 14:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 14:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 14:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 14:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 14:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 14:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 14:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 14:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 14:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 14:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 14:38	10061-01-5	

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ACCREDITED IN ACCORDANCE WITH nelac

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-1 **Lab ID: 9264065001** Collected: 02/23/10 11:00 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 14:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 14:38	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 14:38	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 14:38	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 14:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 14:38	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 14:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 14:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 14:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 14:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 14:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 14:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 14:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 14:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 14:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 14:38	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 14:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 14:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 14:38	1330-20-7	
4-Bromofluorobenzene (S)	95	%	87-109		1		02/28/10 14:38	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 14:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		02/28/10 14:38	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/10 14:38	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-2 **Lab ID: 9264065002** Collected: 02/23/10 13:55 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:13	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:13	7440-38-2	
Barium	**5.0J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:13	7440-39-3	
Beryllium	**0.11J**	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:13	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:13	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:13	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:13	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:13	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:13	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:13	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:13	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:13	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:13	7440-28-0	
Vanadium	**0.35J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:13	7440-62-2	
Zinc	**2.3J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:13	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 15:02	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 15:02	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 15:02	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 15:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 15:02	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 15:02	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 15:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 15:02	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 15:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 15:02	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 15:02	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 15:02	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 15:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 15:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 15:02	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 15:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 15:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 15:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 15:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 15:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 15:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 15:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 15:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 15:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 15:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 15:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 15:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 15:02	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 15:02	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-2 **Lab ID: 9264065002** Collected: 02/23/10 13:55 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 15:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 15:02	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 15:02	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 15:02	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 15:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 15:02	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 15:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 15:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 15:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 15:02	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 15:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 15:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 15:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 15:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 15:02	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 15:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 15:02	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 15:02	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 15:02	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/10 15:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		02/28/10 15:02	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		02/28/10 15:02	2037-26-5	

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-4 **Lab ID: 9264065003** Collected: 02/23/10 14:20 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/03/10 13:55	03/11/10 00:17	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/03/10 13:55	03/11/10 00:17	7440-38-2	
Barium	**5.1J**	ug/L	100	0.20	1	03/03/10 13:55	03/11/10 00:17	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/03/10 13:55	03/11/10 00:17	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/03/10 13:55	03/11/10 00:17	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:17	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/03/10 13:55	03/11/10 00:17	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/03/10 13:55	03/11/10 00:17	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/03/10 13:55	03/11/10 00:17	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/03/10 13:55	03/11/10 00:17	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/03/10 13:55	03/11/10 00:17	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/03/10 13:55	03/11/10 00:17	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/03/10 13:55	03/11/10 00:17	7440-28-0	
Vanadium	**0.35J**	ug/L	25.0	0.20	1	03/03/10 13:55	03/11/10 00:17	7440-62-2	
Zinc	**3.0J**	ug/L	10.0	0.40	1	03/03/10 13:55	03/11/10 00:17	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/10 15:26	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/10 15:26	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/10 15:26	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/10 15:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/10 15:26	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/10 15:26	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/10 15:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/10 15:26	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/10 15:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/10 15:26	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/10 15:26	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/10 15:26	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/10 15:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/10 15:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/10 15:26	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/10 15:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/10 15:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/10 15:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/10 15:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/10 15:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/10 15:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/10 15:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/10 15:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/10 15:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/10 15:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/10 15:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/10 15:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/10 15:26	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/10 15:26	10061-01-5	

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ANALYTICAL RESULTS

Project: CHEROKEE - SW
Pace Project No.: 9264065

Sample: SW-4 **Lab ID: 9264065003** Collected: 02/23/10 14:20 Received: 02/25/10 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/10 15:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/10 15:26	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/10 15:26	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/10 15:26	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/10 15:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/10 15:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/10 15:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/10 15:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/10 15:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/10 15:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/10 15:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/10 15:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/10 15:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/10 15:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/10 15:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/10 15:26	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/10 15:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/10 15:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/10 15:26	1330-20-7	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/10 15:26	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/10 15:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120		1		02/28/10 15:26	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/10 15:26	2037-26-5	

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QUALITY CONTROL DATA

Project: CHEROKEE - SW
Pace Project No.: 9264065

QC Batch: MPRP/5903 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9264065001, 9264065002, 9264065003

METHOD BLANK: 409960 | Matrix: Water
Associated Lab Samples: 9264065001, 9264065002, 9264065003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/10/10 23:07	
Arsenic	ug/L	3.9J	10.0	03/10/10 23:07	
Barium	ug/L	ND	100	03/10/10 23:07	
Beryllium	ug/L	0.11J	1.0	03/10/10 23:07	
Cadmium	ug/L	ND	1.0	03/10/10 23:07	
Chromium	ug/L	ND	10.0	03/10/10 23:07	
Cobalt	ug/L	ND	10.0	03/10/10 23:07	
Copper	ug/L	ND	10.0	03/10/10 23:07	
Lead	ug/L	ND	10.0	03/10/10 23:07	
Nickel	ug/L	ND	50.0	03/10/10 23:07	
Selenium	ug/L	ND	10.0	03/10/10 23:07	
Silver	ug/L	ND	10.0	03/10/10 23:07	
Thallium	ug/L	ND	5.5	03/10/10 23:07	
Vanadium	ug/L	ND	25.0	03/10/10 23:07	
Zinc	ug/L	1.4J	10.0	03/10/10 23:07	

LABORATORY CONTROL SAMPLE: 409961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	499	100	80-120	
Arsenic	ug/L	500	480	96	80-120	
Barium	ug/L	500	466	93	80-120	
Beryllium	ug/L	500	504	101	80-120	
Cadmium	ug/L	500	480	96	80-120	
Chromium	ug/L	500	482	96	80-120	
Cobalt	ug/L	500	491	98	80-120	
Copper	ug/L	500	482	96	80-120	
Lead	ug/L	500	479	96	80-120	
Nickel	ug/L	500	485	97	80-120	
Selenium	ug/L	500	471	94	80-120	
Silver	ug/L	250	242	97	80-120	
Thallium	ug/L	500	463	93	80-120	
Vanadium	ug/L	500	485	97	80-120	
Zinc	ug/L	500	478	96	80-120	

MATRIX SPIKE SAMPLE: 409962

Parameter	Units	9263956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	5.02	500	465	93	75-125	
Arsenic	ug/L	5.02	500	464	92	75-125	

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QUALITY CONTROL DATA

Project: CHEROKEE - SW
Pace Project No.: 9264065

MATRIX SPIKE SAMPLE: 409962

Parameter	Units	9263956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	2170	500	2500	65	75-125	M0
Beryllium	ug/L	3.0	500	464	92	75-125	
Cadmium	ug/L	0.89J	500	427	85	75-125	
Chromium	ug/L	0.50J	500	430	86	75-125	
Cobalt	ug/L	9.1	500	437	86	75-125	
Copper	ug/L	5.02	500	448	90	75-125	
Lead	ug/L	5.02	500	415	83	75-125	
Nickel	ug/L	3.2J	500	427	85	75-125	
Selenium	ug/L	10.02	500	453	91	75-125	
Silver	ug/L	1.2J	250	223	89	75-125	
Thallium	ug/L	5.42	500	393	78	75-125	
Vanadium	ug/L	0.56J	500	439	88	75-125	
Zinc	ug/L	70.1	500	509	88	75-125	

SAMPLE DUPLICATE: 409963

Parameter	Units	9263956002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	5.02	ND		25	
Arsenic	ug/L	3.4J	4.9J		25	
Barium	ug/L	186	174	7	25	
Beryllium	ug/L	0.34J	0.34J		25	
Cadmium	ug/L	1.02	ND		25	
Chromium	ug/L	0.85J	0.81J		25	
Cobalt	ug/L	34.2	32.7	4	25	
Copper	ug/L	3.6J	2.9J		25	
Lead	ug/L	5.02	ND		25	
Nickel	ug/L	10.9	10.8J	1	25	
Selenium	ug/L	10.02	ND		25	
Silver	ug/L	1.5J	1.4J		25	
Thallium	ug/L	5.42	ND		25	
Vanadium	ug/L	3.2J	2.7J		25	
Zinc	ug/L	5.0J	4.2J		25	

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QUALITY CONTROL DATA

Project: CHEROKEE - SW
Pace Project No.: 9264065

QC Batch: MSV/10114 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9264065001, 9264065002, 9264065003

METHOD BLANK: 408642 Matrix: Water
Associated Lab Samples: 9264065001, 9264065002, 9264065003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/10 10:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/10 10:30	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/10 10:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/10 10:30	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/10 10:30	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/10 10:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/10 10:30	
2-Butanone (MEK)	ug/L	ND	100	02/28/10 10:30	
2-Hexanone	ug/L	ND	50.0	02/28/10 10:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/10 10:30	
Acetone	ug/L	ND	100	02/28/10 10:30	
Acrylonitrile	ug/L	ND	200	02/28/10 10:30	
Benzene	ug/L	ND	1.0	02/28/10 10:30	
Bromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Bromodichloromethane	ug/L	ND	1.0	02/28/10 10:30	
Bromoform	ug/L	ND	3.0	02/28/10 10:30	
Bromomethane	ug/L	ND	10.0	02/28/10 10:30	
Carbon disulfide	ug/L	ND	100	02/28/10 10:30	
Carbon tetrachloride	ug/L	ND	1.0	02/28/10 10:30	
Chlorobenzene	ug/L	ND	3.0	02/28/10 10:30	
Chloroethane	ug/L	ND	10.0	02/28/10 10:30	
Chloroform	ug/L	ND	5.0	02/28/10 10:30	
Chloromethane	ug/L	ND	1.0	02/28/10 10:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
Dibromochloromethane	ug/L	ND	3.0	02/28/10 10:30	
Dibromomethane	ug/L	ND	10.0	02/28/10 10:30	
Ethylbenzene	ug/L	ND	1.0	02/28/10 10:30	
Iodomethane	ug/L	ND	10.0	02/28/10 10:30	
Methylene Chloride	ug/L	ND	2.0	02/28/10 10:30	
Styrene	ug/L	ND	1.0	02/28/10 10:30	
Tetrachloroethene	ug/L	ND	1.0	02/28/10 10:30	
Toluene	ug/L	ND	1.0	02/28/10 10:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/10 10:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/10 10:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/10 10:30	

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(828)254-7176

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

QUALITY CONTROL DATA

Project: CHEROKEE - SW
Pace Project No.: 9264065

METHOD BLANK: 408642 Matrix: Water

Associated Lab Samples: 9264065001, 9264065002, 9264065003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	02/28/10 10:30	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/10 10:30	
Vinyl acetate	ug/L	ND	50.0	02/28/10 10:30	
Vinyl chloride	ug/L	ND	1.0	02/28/10 10:30	
Xylene (Total)	ug/L	ND	2.0	02/28/10 10:30	
1,2-Dichloroethane-d4 (S)	%	93	79-120	02/28/10 10:30	
4-Bromofluorobenzene (S)	%	98	87-109	02/28/10 10:30	
Dibromofluoromethane (S)	%	104	85-115	02/28/10 10:30	
Toluene-d8 (S)	%	101	70-120	02/28/10 10:30	

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	83-125	
1,1,1-Trichloroethane	ug/L	50	51.4	103	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	73-127	
1,1,2-Trichloroethane	ug/L	50	52.2	104	77-123	
1,1-Dichloroethane	ug/L	50	55.3	111	76-129	
1,1-Dichloroethene	ug/L	50	50.1	100	78-146	
1,2,3-Trichloropropane	ug/L	50	49.4	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.1	86	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	81-125	
1,2-Dichlorobenzene	ug/L	50	50.2	100	82-126	
1,2-Dichloroethane	ug/L	50	46.8	94	72-126	
1,2-Dichloropropane	ug/L	50	51.5	103	80-127	
1,3-Dichloropropane	ug/L	50	49.9	100	79-124	
1,4-Dichlorobenzene	ug/L	50	49.8	100	79-125	
2-Butanone (MEK)	ug/L	100	106	106	50-134	
2-Hexanone	ug/L	100	110	110	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	126	126	50-146	
Acrylonitrile	ug/L	250	263	105	66-124	
Benzene	ug/L	50	52.4	105	78-128	
Bromochloromethane	ug/L	50	54.5	109	73-124	
Bromodichloromethane	ug/L	50	49.7	99	81-125	
Bromoform	ug/L	50	39.1	78	71-125	
Bromomethane	ug/L	50	39.1	78	50-150	
Carbon disulfide	ug/L	50	55.0J	110	54-150	
Carbon tetrachloride	ug/L	50	48.8	98	81-137	
Chlorobenzene	ug/L	50	51.5	103	82-126	
Chloroethane	ug/L	50	51.8	104	69-140	
Chloroform	ug/L	50	50.9	102	77-129	
Chloromethane	ug/L	50	47.1	94	54-139	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.9	106	76-127	

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QUALITY CONTROL DATA

Project: CHEROKEE - SW
Pace Project No.: 9264065

LABORATORY CONTROL SAMPLE: 408643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	48.9	98	77-125	
Dibromomethane	ug/L	50	51.4	103	77-125	
Ethylbenzene	ug/L	50	51.7	103	80-127	
Iodomethane	ug/L	100	115	115	65-172	
Methylene Chloride	ug/L	50	41.8	84	67-133	
Styrene	ug/L	50	53.0	106	80-130	
Tetrachloroethene	ug/L	50	52.8	106	78-128	
Toluene	ug/L	50	52.1	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.2	102	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	47.6J	95	51-140	
Trichloroethene	ug/L	50	53.1	106	79-127	
Trichlorofluoromethane	ug/L	50	47.7	95	76-148	
Vinyl acetate	ug/L	100	121	121	50-150	
Vinyl chloride	ug/L	50	46.5	93	67-143	
Xylene (Total)	ug/L	150	159	106	83-125	
1,2-Dichloroethane-d4 (S)	%			91	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 408644 408645

Parameter	Units	9264067011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	59.0	57.6	118	115	60-150	2	30	
Benzene	ug/L	ND	50	50	57.1	56.7	114	113	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	56.4	55.8	113	112	79-135	1	30	
Toluene	ug/L	ND	50	50	57.9	57.2	116	114	73-131	1	30	
Trichloroethene	ug/L	ND	50	50	59.3	58.2	119	116	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						98	96	79-120			
4-Bromofluorobenzene (S)	%						102	101	87-109			
Dibromofluoromethane (S)	%						102	100	85-115			
Toluene-d8 (S)	%						100	100	70-120			

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QUALIFIERS

Project: CHEROKEE - SW
Pace Project No.: 9264065

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.

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.

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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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: 1 of 1

1352602

Section A Required Client Information:

Company: Municipal Engineering Services (MESCO)
Address: PO Box 97
Gainer NC 27529
Email To: jpfohl@mesco.com
Phone: (919) 772-5343 Fax: (919) 772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Cherokee - SW
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: BONNIE
Pace Profile #: 2103-3

REGULATORY AGENCY

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

Site Location STATE: NC

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): N

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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs - App I	Metals - App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			2/23/10	11:00		4			1	3					✓	✓	N	001
2	SW-2	↓	↓			↓	1:55		↓			↓	↓					✓	✓	↓	002
3	SW-4	↓	↓			↓	2:20		↓			↓	↓					✓	✓	↓	003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Valley River Between Closed & Lined	MESCO	2/25/10	940	Pace	2/25/10	940				
	Pace	2/25/10	1310	J Moore / Pace	2/25	1310	4.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 2/24/10

*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.

F-ALL-Q-020rev.07, 15-May-2007

Field Sampling Parameter
Data Sheet(s)

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Cherokee County Closed MSWLF

Samplers: J. Pfohl

page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Comments	Total Depth	Water Quality Parameters: Cl⁻ (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 (ppm)
								Heat. Supply H2O — New Hinge & Lock										
MW-1	2/23/10	1:40	2.96	App I	9	DB	N	Red Algae	✓15.5	NR	1.0	70	6.26	12.6	1085	542	c	NR
MW-2	2/23/10	10:05	21.18	App I	10	P & DB	N		✓43.5	NR	0.9	-5	5.99	14.1	96	48	c	NR
MW-2R	2/23/10	8:20	7.60	App I	7	P & DB	Y		✓25	NR	1.1	208	4.73	15.5	40	21	c	NR
MW-3	2/23/10	9:35	3.68	App I	8	DB	N	Standing Water Flows East	15.5	NR	0.9	-108	6.91	10.1	291	146	c	NR
MW-4R	2/23/10	10:35	5.00	App I	7	DB	N		18	NR	3.7	-45	6.13	10.2	266	133	c	NR
MW-5	2/23/10	11:15	2.60	App I	9	DB	N	Red Algae	18	NR	0.8	10	5.75	10.7	323	161	c	NR
MW-6	2/23/10	12:00	29.18	App I + Nap	1.5	DB	Y		✓34	NR	1.6	14	5.67	15.1	111	55	c	NR
MW-6R	2/23/10	9:00	8.50	App I	6	P & DB	N		✓20.25	NR	2.6	239	5.67	13.2	115	57	c	NR
MW-7	2/23/10	1305	4.42	App I	6	DB	N		16.5	NR	1.5	-66	6.63	10.9	448	223	c	NR
Pendergrass	2/23/10	3:10	—	App I	—	Pour	—	Back Bib	-	NR	NR	NR	6.93	15.3	120	63	c	NR
Solesbee	2/23/10	3:35	—	App I	—	Pour	—	Well Spigot	-	NR	NR	NR	6.99	15.7	103	51	c	NR
Van Buskirk (Haney)	2/23/10	3:55	—	App I	—	Pour	—	Back Bib	-	NR	NR	NR	7.01	16.1	83	41	c	NR
MW-4	NS	NS	Abandoned ~120' East															
Rathbone	NS	NS	Disconnected on Municipal water since < 8/09.			5607 Fairview												

Ground Saturated. Access Poor so limited Pump use.

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Cherokee County MSWLF-SW SHARED

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters							Water Quality Parameters								
			Depth to Water (BTOP) Static	Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Comments	Total Depth	Cl^- (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 (ppm)
SW-1	2/23/10	11:00	–	App I	–	Dip	–	High volume & Flow	–	NR	7.1	109	6.56	8.5	33	15	ST	NR
SW-2	2/23/10	1:55	–	App I	–	Dip	–	↓	–	↓	7.2	93	6.62	8.4	29	11	ST	↓
SW-4	2/23/10	2:20	–	App I	–	Dip	–	↓	–	↓	7.2	101	6.70	8.5	28	12	ST	↓

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained