P0429

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #: RCO 2265

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):

Withers & Ravenel, 111 MacKenan Drive, Cary, N.C. 27511

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

Name: John Palmer, P.G. Phone: 919-795-1926 OR 919-469-3340

E-mail: jpalmer@withersravenel.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Central Carolina Tire Phase III Scrap Tire Monofill Landfill (Expansion)	Central Carolina Tire 1616 McKoy Town Road Cameron, N.C. 28326	43-04	.0500	10/18/06

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 or explosive methane gas limits 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.

John M. Palmer	P.G.	919-795-1926
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: 12/15/06 Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1984 GEOLOGIST JOHN MARK PALMER

Revised 10/2006

OCTOBER-DECEMBER 2006
SEMI-ANNUAL GROUNDWATER
and
SURFACE WATER MONITORING REPORT

Central Carolina Tire Phase III Scrap Tire Monofill Landfill
Harnett County, North Carolina

Received
JAN 2007
Solid Waste
Section

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

111 MacKenan Drive
CARY, NORTH CAROLINA, 27511
TEL: (919) 469-3340
FAX: (919) 535-4545

LETTER OF TRANSMITTAL

DATE	January 8, 2007	JOB NO.	0202334.09
ATTENTION	Jaclynne Drummond		
PHONE #			
RE:	Central Carolina Tire		
Phase 1, 2 & 3 - Scrap Tire Monofill Landfill			

TO: NCDENR DWM
Solid Waste Section
PO Box 27687
Raleigh, NC 27611-7687

WE ARE SENDING YOU ☐ Attached via the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of Letter ☐ Change order ☐ Diskette ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	12/29/06		October-December 2006 Semi-Annual Goundwater Monitoring Rpt - Ph 3

Received JAN 2007 Solid Waste Section

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return ____ corrected prints
☐ For review and comment ☐ Other:
☐ FOR BIDS DUE ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

COPY TO: File, Central Carolina Tire SIGNED: John Palmer, PG

If enclosures are not as noted, please notify us at once.

December 29, 2006

North Carolina Division of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
P.O. Box 27687
Raleigh, NC 27611-7687

Attention: Ms. Jaclynne Drummond

Re: October-December 2006 Semi-Annual Groundwater and Surface Water Monitoring Report
Central Carolina Tire Phase III Scrap Tire Monofill Landfill (Expansion)
Harnett County, North Carolina
W&R Project No. 02020334.09

Dear Ms. Drummond:

Withers & Ravenel (W&R) has completed the second of two semi-annual groundwater surface water monitoring events at the above referenced facility (**Figure 1**). The scope of work performed by W&R included collection of groundwater and surface water samples from the site, in general accordance with the Water Quality Monitoring Plan (the Plan) that is included as Section 9 of the Central Carolina Tire Phase III Scrap Tire Monofill Landfill Permit To Construct Application dated October 22, 2004. According to the Plan, and the additional submittal entitled Monitoring Well Installation dated November 30, 2006, samples from eight groundwater monitoring wells and one surface water location are to be collected and tested on a semi-annual basis. This is the fifth sampling event conducted for the expansion facility, which is not yet in operation. The following paragraphs describe the methodology and results of the field activities and laboratory analyses.

1.0 WATER QUALITY SAMPLING METHODOLOGY

1.1 Groundwater Sampling

Groundwater samples were collected from eight monitoring wells, MW-10, MW-11, MW-12, MW-13, and MW-14 (installed in September 2004) and MW-16, MW-17, and MW-18 (installed in September 2006) located proximal to the perimeter of the 3A portion of the Phase III scrap tire monofill landfill (see **Figure 2**). Monitoring well construction details and groundwater data are summarized in **Table 1**. Hydraulic conductivity testing of monitoring wells MW-10 through MW-14 and MW-16 through MW-18 performed by W&R in September 2004 and September 2006 indicated hydraulic conductivity values ranging from 7.0×10^{-5} cm/s to 4.9×10^{-2} cm/s. Monitoring well MW-10 serves as the upgradient, natural background well for the facility and MW-11 through MW-18 serve as the downgradient monitoring wells.

Sampling activities were performed in accordance with protocols detailed in the Plan. New disposable nitrile or latex gloves were worn at each sampling location. Prior to purging and sampling activities, water levels within each well were measured using a decontaminated electronic water-level meter. Measurements were referenced to the top of each well casing. The average groundwater elevation was calculated to be 337.74 feet above mean sea level (MSL) for the sampling event. Individual groundwater elevations determined for each of the monitoring wells on October 18, 2006 are summarized in **Table 1**.

After water level information was collected, at least three times the volume of the water standing in each well was removed using a peristaltic pump or submersible pump (MW-16 only) and new polyethylene tubing. Measurements of the temperature, pH, specific conductance, and turbidity of the water produced were recorded. Copies of the Pre-Sampling / Well Purging Field Logs that contain this information are included in **Appendix A.**

Groundwater samples were collected immediately following the completion of well purging activities. Groundwater samples were pumped directly into laboratory provided containers, which were then placed into ice-containing coolers and delivered under proper chain-of-custody to Environmental Conservation Laboratories (ENCO), Inc. in Cary, North Carolina for analysis of Volatile Organic Compounds (VOCs) by EPA Method 8260B and the eight RCRA metals by EPA Methods 200.7 and 7470. All samples were submitted unfiltered and the sample containers included the appropriate type and amount of preservative. The temperature of the groundwater samples ranged between 20.1 and 22.3 degrees Celsius; the pH ranged between 3.27 and 5.09; the specific conductance ranged between 13 and 156 umhos/cm; and the turbidity ranged from less than 10 to 34 nephelometric turbidity units. The final field parameter measurements for each well are summarized in **Table 1**.

For quality assurance/quality control (QA/QC), ENCO prepared a trip blank, which accompanied the sample bottles to and from the field, for analysis by EPA Method 8260B for VOCs.

1.2 Surface Water Sampling

A surface water sample was collected from the downstream location designated as SW-1(Expansion). SW-1(Expansion) is located approximately 280-feet beyond the planned limits of scrap tire disposal and within the primary drainage feature that bisects the southeastern portion of the Phase III landfill footprint. New disposable nitrile or latex gloves were worn during all sampling activities. To preserve the integrity of the preservatives within the sample container, a decontaminated Teflon ladle was used to collect the surface water sample. The contents of the ladle were immediately decanted into laboratory provided containers. The containers were then labeled and placed into ice-containing coolers and delivered under proper chain-of-custody to ENCO for analysis of VOCs and the eight RCRA metals by the previously referenced methods.

2.0 ANALYTICAL RESULTS.

Laboratory results for the current sampling event are summarized in **Table 2**. No VOCs were identified in any of the groundwater or surface water samples submitted during this monitoring event with the exception of that from groundwater monitoring well MW-12. Toluene was detected in the sample removed from well MW-12 at a concentration of 3.0 ug/L, well below the 1000 ug/L North Carolina Standard for Toluene. The only metal detected in the groundwater samples above the North Carolina Reporting Detection Limit (NC RDL) was barium, which was identified in seven of the eight groundwater samples. All of the reported barium concentrations were well below the 2000 ug/L North Carolina Groundwater Standard for barium. In addition, five metals were detected between the (NC RDL) and the laboratory method detection limit (MDL) and therefore reported with "J" qualifiers. Metals reported with "J" qualifiers included arsenic, barium, cadmium, mercury, and selenium. Two metals were detected at levels below the MRL in the surface water sample submitted during this event. Metals reported with "J" qualifiers for the surface sample included barium and mercury. The laboratory results are summarized by sampling location as follows:

MW-10: Arsenic was reported at an estimated concentration of 3.7 ug/L. Barium was reported at a concentration of 101 ug/L.

MW-11: Arsenic was reported at an estimated concentration of 2.2 ug/L. Barium was reported at a concentration of 86 ug/L.

MW-12: Toluene was reported at 3.0 ug/L. Arsenic was reported at an estimated concentration of 4.1 ug/L. Barium was reported at a concentration of 14 ug/L.

MW-13: Arsenic was reported at an estimated concentration of 3.0 ug/L. Barium was reported at an estimated concentration of 5 ug/L.

MW-14: Arsenic was reported at an estimated concentration of 2.4 ug/L. Barium was reported at a concentration of 110 ug/L.

MW-16: Arsenic was reported at an estimated concentration of 2.5 ug/L. Barium was reported at a concentration of 58 ug/L. Mercury was reported at an estimated concentration of 0.17 ug/L.

MW-17: Arsenic was reported at an estimated concentration of 4.1 ug/L. Barium was reported at a concentration of 287 ug/L. Cadmium was reported at an estimated concentration of 0.50 ug/L. Mercury was reported at an estimated concentration of 0.19 ug/L.

MW-18: Arsenic was reported at an estimated concentration of 3.9 ug/L. Barium was reported at a concentration of 65 ug/L. Mercury was reported at an estimated concentration of 0.16 ug/L.

SW-1(Expansion): Barium was reported at an estimated concentration of 10 ug/L. Mercury was reported at an estimated concentration of 0.14 ug/L.

3.0 CONCLUSIONS

- The results of the October-December 2006 Semi-Annual monitoring event for the Central Carolina Tire Phase III tire monofill landfill indicate that Toluene was detected in groundwater monitoring well MW-12, well below the North Carolina Groundwater Standard for toluene. No other VOCs were detected in any of the remaining groundwater samples.

- The metal barium was detected in seven of the eight groundwater samples at values above the NC RDL. All concentrations were well below the North Carolina Groundwater Standard for barium.

- Four metals were identified between the NC RDL and the MRL in some of the groundwater samples. These metals included arsenic, barium, cadmium, mercury, and selenium. All of these estimated concentrations are below the NC Groundwater Standards for the respective metals.

- No VOCs were detected in the surface water samples.

- Two metals were identified at estimated concentrations between the NC RDL and the MRL in the surface water samples. These metals included barium and mercury. The estimated concentrations are below the NC Surface Water Standards for the respective metals.

- No VOCs were identified in the trip blank and the results of matrix blank analyses were within acceptable tolerances. Copies of the laboratory analytical reports are included in **Appendix B.**

The next monitoring event for the Central Carolina Tire Phase III scrap tire monofill landfill is tentatively scheduled for May 2006. Please contact me at (919) 795-1926 if you have any questions regarding the contents of this report.

Sincerely,

WITHERS & RAVENEL, INC.

John M. Palmer, P.G.
Project Geologist

NORTH CAROLINA LICENSED SEAL 1994 GEOLOGIST JOHN MARK PALMER

cc: Mr. Thomas Womble

TABLES

Table 1
Monitoring Well and Groundwater Data
Oct - Dec 2006 Sampling Event
Phase III Tire Monofill Landfill (Currently Inactive)
Harnet County, North Carolina
W&R Project No. 202334.09

Well Location	Northing	Easting	TOC Elevation (Ft MSL)	Ground Surface Elevation (Ft MSL)	Depth to GW BTOC (Feet)	GW Elevation (Ft MSL)	Field Parameters 10/18/2006			Well Depth BTOC (Feet)	Approximate Screened Interval Elevation (Ft MSL)
					10/18/2006		Temp. C°	pH	S.C. umhos/cm		
MW-10	549731.36	1954619.21	356.28	353.74	12.93	343.35	21.4	3.93	156	27.0	329.7 - 344.7
MW-11	548984.87	1955599.35	347.80	345.70	9.43	338.37	21.2	3.72	26	23.8	325.2 - 340.2
MW-12	548054.79	1955590.24	336.58	334.45	4.17	332.41	22.3	4.98	29	21.6	316.0 - 331.0
MW-13	547826.40	1955420.62	339.47	337.36	10.45	329.02	20.8	4.19	13	20.6	319.4 - 334.4
MW-14	547781.99	1954436.12	344.12	341.86	6.51	337.61	20.9	3.91	69	12.6	331.9 - 336.9
MW-16	549091.09	1954615.69	362.53	360.59	19.21	343.32	20.1	3.70	29	28.9	334.5 - 324.5
MW-17	548385.09	1955075.96	347.14	344.14	6.53	340.61	21.7	5.09	96	24.0	336.0 - 326.0
MW-18	548696.28	1955577.48	344.71	342.45	7.52	337.19	20.7	3.27	24	14.8	330.0 - 320.0

Notes: 1) TOC = Top of Casing
2) BTOC = Below Top of Casing
3) GW = Groundwater
4) Ft MSL = Measured in Feet Mean Sea Level
5) S.C. = Specific Conductance
6) All Monitoring Wells are Constructed of 2" PVC

Table 3
Historical Summary of Constituent Detections
Phase III Tire Monofill Landfill (Currently Inactive)
Harnett County, North Carolina

Sampling Date:	2L Standard	11/10/2004	6/24/2005	10/26/2005	4/1/2006	10/18/2006
Well No: MW-10						
Arsenic	10	ND	ND	ND	ND	3.7 (J)
Barium	2000	ND	100	ND	107	101
Cadmium	1.75	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/10/2004	6/25/2005	10/26/2005	4/1/2006	10/18/2006
Well No: MW-11						
Arsenic	10	ND	ND	ND	ND	2.2 (J)
Barium	2000	ND	ND	ND	ND	86
Cadmium	1.75	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	2.2 (J)
Silver	17.5	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/10/2004	6/22/2005	10/26/2005	4/1/2006	10/18/2006
Well No: MW-12						
Arsenic	10	ND	ND	ND	ND	4.1 (J)
Barium	2000	ND	ND	ND	ND	14
Cadmium	1.75	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND
Toluene	1000	4.0	ND	ND	ND	3.0

Sampling Date:	2L Standard	11/10/2004	6/25/2005	10/26/2005	4/1/2006	10/18/2006
Well No: MW-13						
Arsenic	10	ND	ND	ND	ND	3.0 (J)
Barium	2000	ND	ND	ND	ND	5 (J)
Cadmium	1.75	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/10/2004	6/24/2005	10/26/2005	4/1/2006	10/18/2006
Well No: MW-14						
Arsenic	10	ND	ND	ND	ND	2.4 (J)
Barium	2000	100	120	120	101	110
Cadmium	1.75	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND

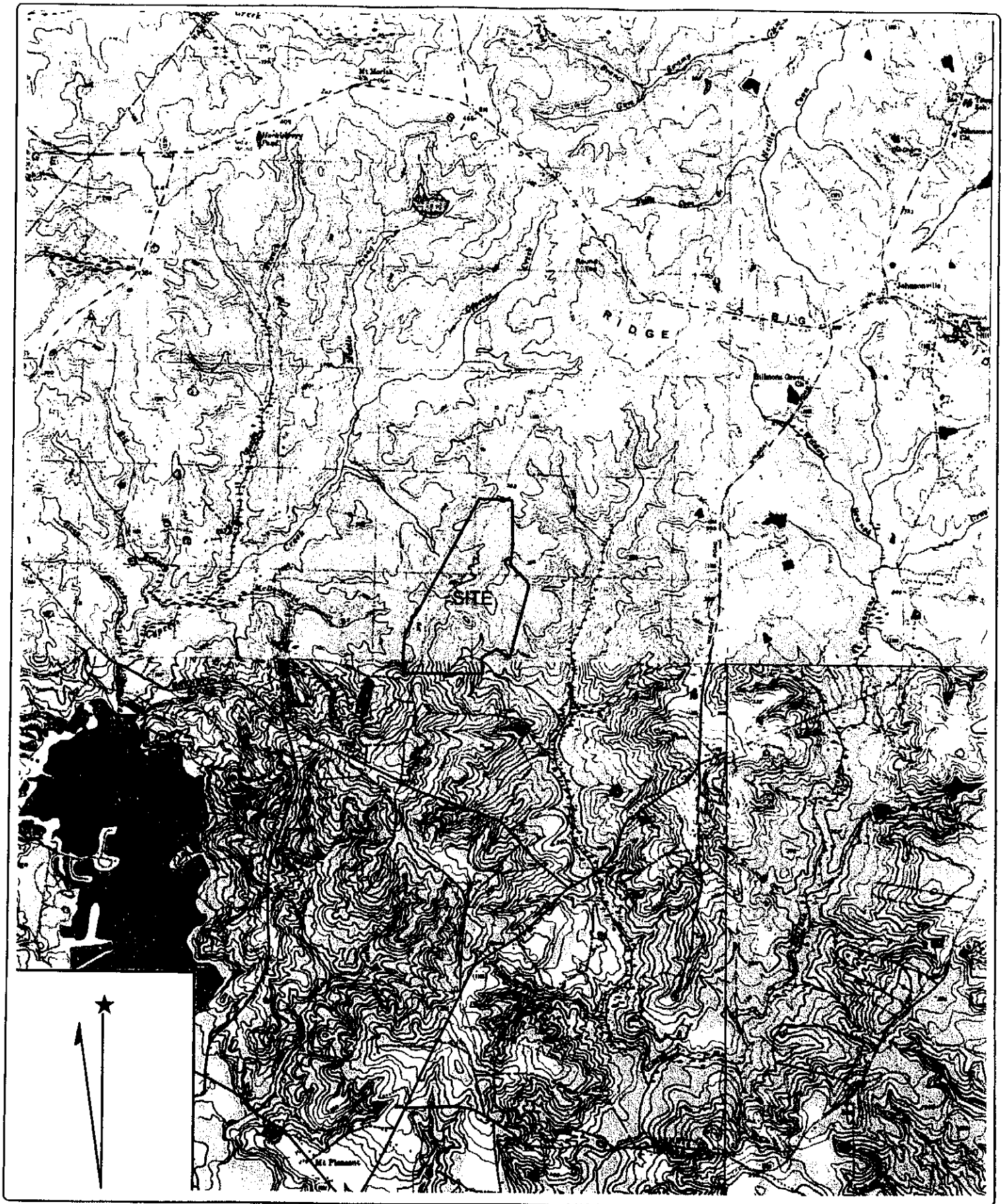
Notes: Results in parts per billion (ppb)
NA - Monitoring Well does Not Exist
ND - Not Detected above the Practical Quantitation Limit
Laboratory results in bold exceed 2L standards
Initial sampling event conducted on 11/10/2004 by Withers& Ravenel.
As of November 2006 NC DWM requires that "J" qualified values be reported.

Table 3 (Continued)
Historical Summary of Constituent Detections
Phase III Tire Monofill Landfill (Currently Inactive)
Harnett County, North Carolina

Sampling Date:	2L Standard	NA	NA	NA	NA	10/18/2006
Well No: MW-16						
Arsenic	10	NA	NA	NA	NA	2.5 (J)
Barium	2000	NA	NA	NA	NA	58
Cadmium	1.75	NA	NA	NA	NA	ND
Chromium	50	NA	NA	NA	NA	ND
Lead	15	NA	NA	NA	NA	ND
Mercury	1.05	NA	NA	NA	NA	0.17 (J)
Selenium	50	NA	NA	ND	NA	2.8 (J)
Silver	17.5	NA	NA	NA	NA	ND
Well No: MW-17						
Arsenic	10	NA	NA	NA	NA	4.1 (J)
Barium	2000	NA	NA	NA	NA	287
Cadmium	1.75	NA	NA	NA	NA	0.50 (J)
Chromium	50	NA	NA	NA	NA	ND
Lead	15	NA	NA	NA	NA	ND
Mercury	1.05	NA	NA	NA	NA	0.19 (J)
Selenium	50	NA	NA	ND	NA	ND
Silver	17.5	NA	NA	NA	NA	ND
Sampling Date:	**2L Standard**	**NA**	**NA**	**NA**	**NA**	**10/18/2006**
Well No: MW-18						
Arsenic	10	NA	NA	NA	NA	3.9 (J)
Barium	2000	NA	NA	NA	NA	65
Cadmium	1.75	NA	NA	NA	NA	ND
Chromium	50	NA	NA	NA	NA	ND
Lead	15	NA	NA	NA	NA	ND
Mercury	1.05	NA	NA	NA	NA	0.16 (J)
Selenium	50	NA	NA	ND	NA	ND
Silver	17.5	NA	NA	NA	NA	ND
Sampling Date:	**2L Standard**	**NA**	**NA**	**NA**	**NA**	**10/18/2006**
Well No: SW-1(Exp)						
Arsenic	10	NA	NA	NA	NA	ND
Barium	2000	NA	NA	NA	NA	10 (J)
Cadmium	1.75	NA	NA	NA	NA	ND
Chromium	50	NA	NA	NA	NA	ND
Lead	15	NA	NA	NA	NA	ND
Mercury	1.05	NA	NA	NA	NA	0.14 (J)
Selenium	50	NA	NA	ND	NA	ND
Silver	17.5	NA	NA	NA	NA	ND

Notes: Results in parts per billion (ppb)
NA - Monitoring Well does Not Exist
ND - Not Detected above the Practical Quantitation Limit
Laboratory results in bold exceed 2L standards
Initial sampling event conducted on 11/10/2004 by Withers& Ravenel.
As of November 2006 NC DWM requires that "J" qualified values be reported.

FIGURES



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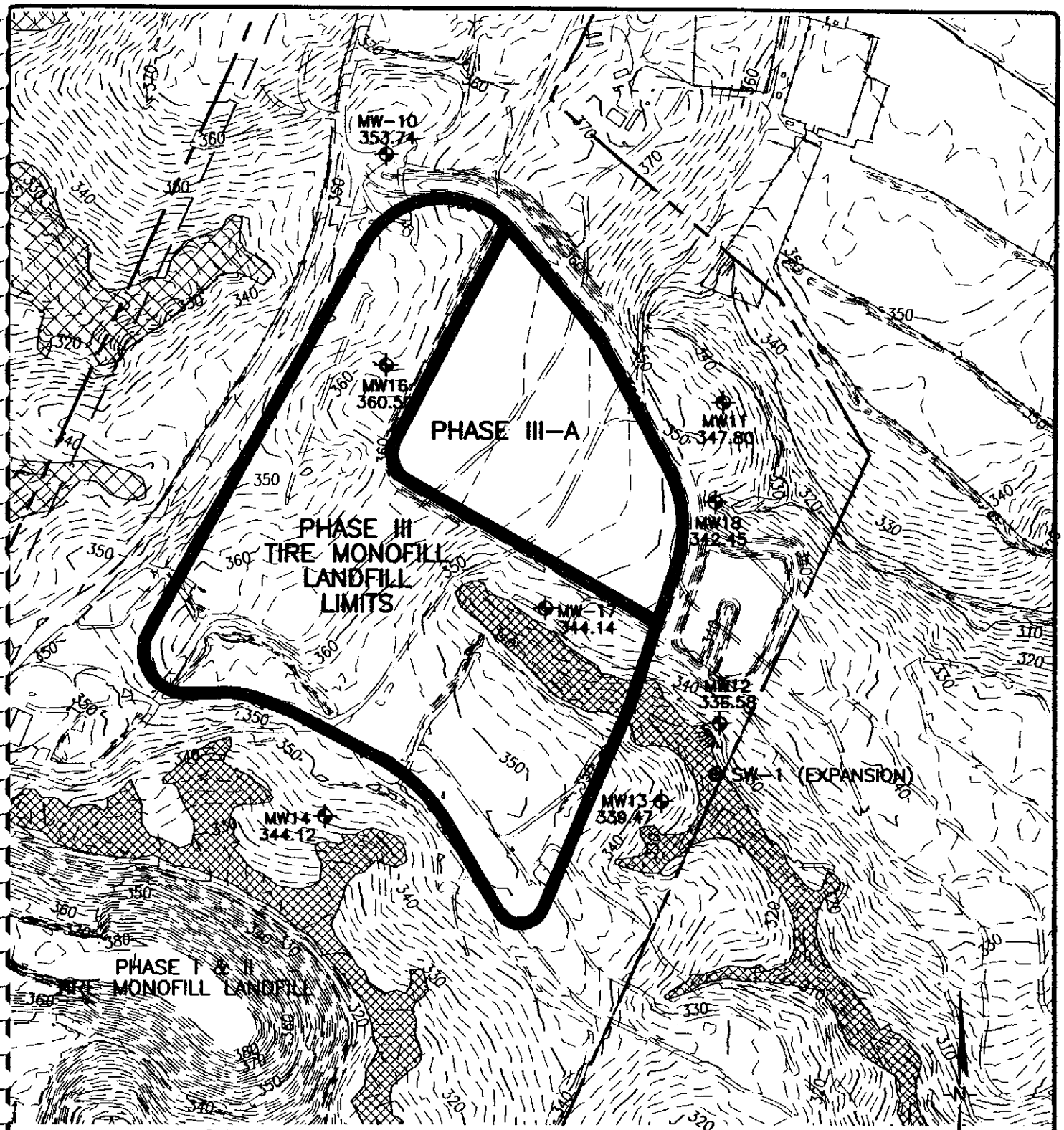
111 MacKenan Drive Cary, North Carolina 27511 www.withersravenel.com
tel: 919-460-8006 fax: 919-535-4545

CENTRAL CAROLINA TIRE
1616 McCoy Town Road
Cameron, North Carolina

USGS Murchistown, NC
7.5 min. Quadrangle

DRAWN BY:	SCALE:	FIGURE NO.
JMP	1:1200	1
APPROVED BY:	DATE:	JOB NO:
ML	11/24/04	202334.08



LEGEND

SW-1 (EXPANSION)	SURFACE WATER MONITORING LOCATION
MW-10 353.74	GROUNDWATER MONITORING WELL W/ GROUND ELEVATION
	WETLANDS
	TOPOGRAPHIC CONTOUR
	PROPERTY BOUNDARY

GRAPHIC SCALE 1"=400'

0 400 800 1200

WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS
111 MacKenan Drive Cary, North Carolina 27511 tel: 919-469-3340 fax: 919-535-4545
www.withersravenel.com

CENTRAL CAROLINA TIRE

PHASE III
TIRE MONOFILL LANDFILL

DRAWN BY:	SCALE:	FIGURE NO.
DOU	1"=400'	2
APPROVED BY:	DATE:	JOB NO:
JP	11/13/06	202334.09

2-3.30\02334.09 GW Monitoring\CCT GW Monitoring\BORING PLAN phase 3.pro Mon Nov 20, 2006 3:07:50PM WITHERS & RAVENEL, Engineers Planners Surveyors

APPENDIX A

PRE-SAMPLING / WELL PURGING FIELD LOGS

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARO. TIRE

WELL NUMBER: MW-10

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 26.8 FEET

LENGTH OF GRAVEL PACK: _____ FEET

DIAMETER OF GRAVEL PACK: _____ INCHES

PROJECT NUMBER: 02020334.09

DATE: 10/18/06 PAGE: 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): MID 70'S

WEATHER CONDITIONS: MOSTLY OVERCAST, LT. BRZ.

HNU/OVA READING: _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	12.93				
WATER LEVEL AFTER	/		12.94		
TIME BEGIN FLUSHING	1605				
TIME END FLUSHING	/		1654		
ESTIMATED VOLUME FLUSHING (gal)	2.25	4.5	6.75		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	22.1	21.7	21.4		
SAMPLE (ph)	3.80	3.85	3.93		
SAMPLE CONDUCTIVITY (umhos/cm)	157	160	156		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	<10	<10	<10		

COMMENTS: * SAMPLED 1655

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 26.8 (WELL DEPTH) - 12.93 (DEPTH TO WATER) = 13.87 FT = h

3.14 x .00694 (r^2) x h = .302 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.26

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARD. TIRE

WELL NUMBER: MW-11

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 23.85 FEET

LENGTH OF GRAVEL PACK: _____ FEET

DIAMETER OF GRAVEL PACK: _____ INCHES

PROJECT NUMBER: 02020334.09

DATE: 10/18/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): MID 70's

WEATHER CONDITIONS: MOSTLY OVERCAST, LT. BRZ.

HNU/OVA READING: _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	9.43				
WATER LEVEL AFTER	—		11.88		
TIME BEGIN FLUSHING	14.35				
TIME END FLUSHING	—		1509		
ESTIMATED VOLUME FLUSHING (gal)	2.5	5.0	7.5		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	21.2	20.8	21.2		
SAMPLE (ph)	4.07	3.62	3.72		
SAMPLE CONDUCTIVITY (umhos/cm)	21	23	26		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	<10	<10	<10		

COMMENTS: * SAMPLED @ 1510

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 ft

h= 23.85 (WELL DEPTH) - 9.43 (DEPTH TO WATER) = 14.42 FT = h

3.14 x .00694 (r^2) x h = .314 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.35

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARD. TIRE

WELL NUMBER: MW-12

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 21.5 FEET

LENGTH OF GRAVEL PACK: _____ FEET

DIAMETER OF GRAVEL PACK: _____ INCHES

PROJECT NUMBER: 02020334.09

DATE: 10/10/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): HIGH 60's

WEATHER CONDITIONS: HEAVILY OVERCAST, CALM

HNU/OVA READING: _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	4.17				
WATER LEVEL AFTER	/			5.27	
TIME BEGIN FLUSHING	0825				
TIME END FLUSHING	/			1404	
ESTIMATED VOLUME FLUSHING (gal)	2.75	5.5	8.25	9.75	
WELL VOLUMES REMOVED	1	2	3	~ 3.5	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	20.7	21.0	22.1	22.3	
SAMPLE (ph)	5.10	5.15	5.10	4.98	
SAMPLE CONDUCTIVITY (umhos/cm)	105	36	30	29	
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→	→	
COLOR	SOMEWHAT CLOUDY	→	→	→	
Eh					
OTHER / TURBIDITY	36	39	35	34	

COMMENTS: REDUCED PUMPING RATE AFTER 3rd WELL VOLUME.
* SAMPLED @ 1405

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 21.5 (WELL DEPTH) - 4.17 (DEPTH TO WATER) = 17.33 FT = h

3.14 x .00694 (r^2) x h = .378 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.83

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT CENT. CARO. TIRE

WELL NUMBER MW-13

WELL INSIDE DIAMETER 2.0 INCHES

DEPTH OF BOTTOM 20.65 FEET

LENGTH OF GRAVEL PACK _____ FEET

DIAMETER OF GRAVEL PACK _____ INCHES

PROJECT NUMBER 02020334.09

DATE 10/10/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) HIGH 60's

WEATHER CONDITIONS HEAVILY OVERCAST, LT. BRZ.

HNU/OVA READING _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	10.45				
WATER LEVEL AFTER			13.02		
TIME BEGIN FLUSHING	1110				
TIME END FLUSHING			1230		
ESTIMATED VOLUME FLUSHING (gal)	1.75	3.5	5.25		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	20.9	20.7	20.8		
SAMPLE (ph)	3.84	3.80	4.19		
SAMPLE CONDUCTIVITY (umhos/cm)	21	13	13		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	<10	<10	<10		

COMMENTS * SAMPLED @ 1231

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 20.65 (WELL DEPTH) - 10.45 (DEPTH TO WATER) = 10.20 FT = h

3.14 X .00694 (r^2) x h = .222 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 1.66

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARD. TIRE

WELL NUMBER: MW-14

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 12.65 FEET

LENGTH OF GRAVEL PACK: ____ FEET

DIAMETER OF GRAVEL PACK: ____ INCHES

PROJECT NUMBER: 02020334.09

DATE: 10/10/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): HIGH 60's

WEATHER CONDITIONS: HEAVILY OVERCAST, CALM

HNU/OVA READING: ____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	6.51				
WATER LEVEL AFTER	↙		8.28		
TIME BEGIN FLUSHING	0845				
TIME END FLUSHING	↙		1104		
ESTIMATED VOLUME FLUSHING (gal)	1.0	3.0	4.0		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	20.8	20.7	20.9		
SAMPLE (ph)	4.09	3.91	3.91		
SAMPLE CONDUCTIVITY (umhos/cm)	72	69	69		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	18	< 10	< 10		

COMMENTS: * SAMPLED @ 1105

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 12.65 (WELL DEPTH) - 6.51 (DEPTH TO WATER) = 6.14 FT = h

3.14 X .00694 (r^2) x h = .134 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 1.00

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARD. TIRE

WELL NUMBER: MW-16

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 28.8 FEET

LENGTH OF GRAVEL PACK: ____ FEET

DIAMETER OF GRAVEL PACK: ____ INCHES

PROJECT NUMBER: 02020334.01

DATE: 10/18/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): MID 70's

WEATHER CONDITIONS: MOSTLY OVERCAST, LT. BRZ.

HNU/OVA READING: ____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: SUBMERSIBLE PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	19.21				
WATER LEVEL AFTER	/			20.65	
TIME BEGIN FLUSHING	1450				
TIME END FLUSHING	/			1714	
ESTIMATED VOLUME FLUSHING (gal)	1.5	3.0	4.5	6.0	
WELL VOLUMES REMOVED	1	2	3	4	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	21.7	20.2	19.7	20.1	
SAMPLE (ph)	4.22	3.71	3.61	3.70	
SAMPLE CONDUCTIVITY (umhos/cm)	31	31	29	29	
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→	→	
COLOR	CLOUDY	CLEAR	→	→	
Eh					
OTHER / TURBIDITY	76	<10	<10	<10	

COMMENTS: * SAMPLED @ 1715

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 28.8 (WELL DEPTH) - 19.21 (DEPTH TO WATER) = 9.59 FT = h

3.14 x .00694 (r^2) x h = .209 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 1.56

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENTRAL CAND, TIRE

WELL NUMBER: MW-17

WELL INSIDE DIAMETER: 2.0 INCHES

DEPTH OF BOTTOM: 20.1 FEET

LENGTH OF GRAVEL PACK: _____ FEET

DIAMETER OF GRAVEL PACK: _____ INCHES

PROJECT NUMBER: 02020334.04

DATE: 10/18/06 PAGE: 1 OF _____

AIR TEMPERATURE (FAHRENHEIT): HIGH 60's

WEATHER CONDITIONS: HEAVILY OVERCAST, CALM

HNU/OVA READING: _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	6.53				
WATER LEVEL AFTER	/				
TIME BEGIN FLUSHING	0810				
TIME END FLUSHING	/		1424		
ESTIMATED VOLUME FLUSHING (gal)	2.25	4.5	6.75		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	21.0	21.6	21.7		
SAMPLE (ph)	5.03	5.20	5.09		
SAMPLE CONDUCTIVITY (umhos/cm)	108	101	96		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	<10	<10	<10		

COMMENTS: * SAMPLED @ 1425

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 20.1 (WELL DEPTH) - 6.53 (DEPTH TO WATER) = 13.57 FT = h

3.14 × .00694 (r^2) x h = .296 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.31

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT CENT. CARD. TIRE

WELL NUMBER MW-18

WELL INSIDE DIAMETER 2.0 INCHES

DEPTH OF BOTTOM 15.35 FEET

LENGTH OF GRAVEL PACK _____ FEET

DIAMETER OF GRAVEL PACK _____ INCHES

PROJECT NUMBER 02020334.09

DATE 10/18/02 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) MID 70's

WEATHER CONDITIONS MOSTLY OVERCAST, LT. BRZ.

HNU/OVA READING _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	7.52				
WATER LEVEL AFTER	—		8.25		
TIME BEGIN FLUSHING	1500				
TIME END FLUSHING	—		1545		
ESTIMATED VOLUME FLUSHING (gal)	1.25	2.5	3.75		
WELL VOLUMES REMOVED	1	2	3		
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	21.1	20.8	20.7		
SAMPLE (ph)	3.40	3.33	3.27		
SAMPLE CONDUCTIVITY (umhos/cm)	21	23	24		
BUFFER BEFORE					
BUFFER AFTER					
ODOR	NONE	→	→		
COLOR	CLEAR	→	→		
Eh					
OTHER / TURBIDITY	<10	<10	<10		

COMMENTS * SAMPLED @ 1546

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT

h= 15.35 (WELL DEPTH) - 7.52 (DEPTH TO WATER) = 7.83 FT = h

3.14 × .00694 (r^2) x h = .171 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 1.28

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: CENT. CARD. TIRE

WELL NUMBER: SW-1 (EXP)

WELL INSIDE DIAMETER: _____ INCHES

DEPTH OF BOTTOM: _____ FEET

LENGTH OF GRAVEL PACK: _____ FEET

DIAMETER OF GRAVEL PACK: _____ INCHES

PROJECT NUMBER: 02020334.09

DATE: 10/18/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): LOW 70's

WEATHER CONDITIONS: OVERCAST, LT. BRZ.

HNU/OVA READING: _____

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED: TEFLON SCOOP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE					
WATER LEVEL AFTER					
TIME BEGIN FLUSHING					
TIME END FLUSHING					
ESTIMATED VOLUME FLUSHING (gal)					
WELL VOLUMES REMOVED					
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	18.1				
SAMPLE (ph)	3.90				
SAMPLE CONDUCTIVITY (umhos/cm)	24				
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	ORGANICALLY STAINED				
Eh					
OTHER / TURBIDITY	<10				

COMMENTS: * SAMPLED @ 11.50

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

$\pi r^2 \times h$ = WELL VOLUME IN FT^3

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = _____ IN/12 = _____ FT

h = _____ (WELL DEPTH) - _____ (DEPTH TO WATER) = _____ FT = h

3.14 x _____ (r^2) x h = _____ FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = _____

APPENDIX B

LABORATORY ANALYTICAL RESULTS

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Saturday, December 2, 2006

Withers & Ravenel Environmental (WI009)

Attn: John Palmer

111 MacKenan Drive

Cary, NC 27511

RE: Project Number: 02020334.09, Project Name/Desc: Central Carolina Tire Ph. III Expansion
ENCO Workorder: C603725

Dear John Palmer,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 20, 2006.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Bob George For Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 41.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-10 **Lab ID:** C603725-01

Sampled: 10/18/06 16:55 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 13:56
EPA 7470A	11/15/06	10/23/06 09:38	10/23/2006 16:31
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 16:40

Client ID: MW-11 **Lab ID:** C603725-02

Sampled: 10/18/06 15:10 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:17
EPA 7470A	11/15/06	10/23/06 09:38	10/23/2006 16:33
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 17:06

Client ID: MW-12 **Lab ID:** C603725-03

Sampled: 10/18/06 14:05 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:24
EPA 7470A	11/15/06	10/23/06 09:38	10/23/2006 16:35
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 17:32

Client ID: MW-13 **Lab ID:** C603725-04

Sampled: 10/18/06 12:31 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:31
EPA 7470A	11/15/06	10/23/06 09:38	10/23/2006 16:37
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 17:58

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Client ID: MW-14 **Lab ID:** C603725-05

Sampled: 10/18/06 11:05 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:40
EPA 7470A	11/15/06	10/23/06 12:47	10/24/2006 15:42
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 18:24

Client ID: MW-16 **Lab ID:** C603725-06

Sampled: 10/18/06 17:15 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:46
EPA 7470A	11/15/06	10/23/06 12:47	10/24/2006 15:57
EPA 8260B	11/01/06	10/27/06 08:40	10/27/2006 18:50

Client ID: MW-17 **Lab ID:** C603725-07

Sampled: 10/18/06 14:25 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 14:53
EPA 7470A	11/15/06	10/23/06 12:47	10/24/2006 15:59
EPA 8260B	11/01/06	10/27/06 08:44	10/27/2006 22:45

Client ID: MW-18 **Lab ID:** C603725-08

Sampled: 10/18/06 15:46 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 15:16
EPA 7470A	11/15/06	10/23/06 12:47	10/24/2006 16:02
EPA 8260B	11/01/06	10/27/06 08:44	10/27/2006 23:11

Client ID: SW-1 **Lab ID:** C603725-09

Sampled: 10/18/06 11:50 **Received:** 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/20/06 09:12	10/23/2006 15:23
EPA 7470A	11/15/06	10/23/06 12:47	10/24/2006 16:05
EPA 8260B	11/01/06	10/27/06 08:44	10/27/2006 23:38

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Client ID: Trip Blank

Lab ID: C603725-10

Sampled: 10/18/06 00:00

Received: 10/20/06 07:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/01/06	10/27/06 08:44	10/28/2006 00:04

www.encolabs.com

SAMPLE DETECTION SUMMARY

Client ID: MW-10 **Lab ID:** C603725-01

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	3.7 J	7.5	ug/L	EPA 6010B
Barium	101	60	ug/L	EPA 6010B

Client ID: MW-11 **Lab ID:** C603725-02

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	2.2 J	7.5	ug/L	EPA 6010B
Barium	86.0	60	ug/L	EPA 6010B
Selenium	2.2 J	10	ug/L	EPA 6010B

Client ID: MW-12 **Lab ID:** C603725-03

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	4.1 J	7.5	ug/L	EPA 6010B
Barium	13.9	60	ug/L	EPA 6010B
Toluene	3.0	3	ug/L	EPA 8260B

Client ID: MW-13 **Lab ID:** C603725-04

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	3.0 J	7.5	ug/L	EPA 6010B
Barium	5.00 J	60	ug/L	EPA 6010B

Client ID: MW-14 **Lab ID:** C603725-05

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	2.4 J	7.5	ug/L	EPA 6010B
Barium	110	60	ug/L	EPA 6010B

Client ID: MW-16 **Lab ID:** C603725-06

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	2.5 J	7.5	ug/L	EPA 6010B
Barium	58.0	60	ug/L	EPA 6010B
Mercury	0.17 J	0.2	ug/L	EPA 7470A
Selenium	2.8 J	10	ug/L	EPA 6010B

Client ID: MW-17 **Lab ID:** C603725-07

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	4.1 J	7.5	ug/L	EPA 6010B
Barium	287	60	ug/L	EPA 6010B
Cadmium	0.50 J	1	ug/L	EPA 6010B
Mercury	0.19 J	0.2	ug/L	EPA 7470A

Client ID: MW-18 **Lab ID:** C603725-08

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	3.9 J	7.5	ug/L	EPA 6010B
Barium	65.1	60	ug/L	EPA 6010B
Mercury	0.16 J	0.2	ug/L	EPA 7470A

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Client ID: SW-1 **Lab ID:** C603725-09

Analyte	Results/Qual	NC SWS RL	Units	Method
Barium	9.70 J	60	ug/L	EPA 6010B
Mercury	0.14 J	0.2	ug/L	EPA 7470A

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ANALYTICAL REPORT

Sample ID:	MW-10	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-01	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-10	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-01	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-10
Lab #: C603725-01

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	3.7 J	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**101**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	6J23013
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-11	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-02	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-11	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-02	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-11
Lab #: C603725-02

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**2.2 J**	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**86.0**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	6J23013
Selenium	7782-49-2	**2.2 J**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-12	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-03	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	**3.0**	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-12	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-03	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-12
Lab #: C603725-03

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**4.1 J**	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**13.9**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	6J23013
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-04	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-04	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-04	Work Order #:	C603725
		Matrix:	Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**3.0 J**	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**5.00 J**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	6J23013
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-14	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-05	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-14	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-05	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-14
Lab #: C603725-05

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.4 J	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**110**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 245.1	6J23022
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-16	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-06	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-16	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-06	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27005		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-16
Lab #: C603725-06

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**2.5** J	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**58.0**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	**0.17** J	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 245.1	6J23022
Selenium	7782-49-2	**2.8** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-17	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-07	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-17	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-07	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-17
Lab #: C603725-07

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**4.1** J	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**287**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	**0.50** J	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	**0.19** J	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 245.1	6J23022
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	MW-18	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-08	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-18	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-08	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-18
Lab #: C603725-08

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	**3.9** J	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**65.1**	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	**0.16** J	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 245.1	6J23022
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-09	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-09	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/27/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

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ANALYTICAL REPORT

Sample ID: SW-1
Lab #: C603725-09

Project: Central Carolina Tire Ph. III Expansion
Work Order #: C603725
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Barium	7440-39-3	**9.70** J	0.20	10.0	60	ug/L	EPA 6010B	EPA 3005A	6J20009
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J20009
Chromium	7440-47-3	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Lead	7439-92-1	2.0 U	2.0	10.0	6.5	ug/L	EPA 6010B	EPA 3005A	6J20009
Mercury	7439-97-6	**0.14** J	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 245.1	6J23022
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J20009
Silver	7440-22-4	2.0 U	2.0	10.0	7.5	ug/L	EPA 6010B	EPA 3005A	6J20009

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-10	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.20 U	0.20	1.0	3	ug/L
1,1,1-Trichloroethane	71-55-6	0.20 U	0.20	1.0	3	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.30 U	0.30	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethane	75-34-3	0.40 U	0.40	1.0	3	ug/L
1,1-Dichloroethene	75-35-4	0.40 U	0.40	1.0	3	ug/L
1,2,3-Trichloropropane	96-18-4	0.50 U	0.50	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.60 U	0.60	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.40 U	0.40	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.30 U	0.30	1.0	3	ug/L
1,2-Dichloroethane	107-06-2	0.40 U	0.40	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.20 U	0.20	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.30 U	0.30	1.0	3	ug/L
2-Butanone	78-93-3	0.80 U	0.80	5.0	51	ug/L
2-Hexanone	591-78-6	0.50 U	0.50	5.0	26	ug/L
4-Methyl-2-pentanone	108-10-1	0.80 U	0.80	5.0	51	ug/L
Acetone	67-64-1	1.2 U	1.2	5.0	51	ug/L
Acrylonitrile	107-13-1	1.7 U	1.7	5.0	102.5	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	3	ug/L
Bromochloromethane	74-97-5	0.50 U	0.50	1.0	3	ug/L
Bromoform	75-25-2	0.30 U	0.30	1.0	3	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	5.5	ug/L
Carbon disulfide	75-15-0	0.30 U	0.30	5.0	51	ug/L
Carbon tetrachloride	56-23-5	0.20 U	0.20	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.30 U	0.30	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	5.5	ug/L
Chloroform	67-66-3	0.40 U	0.40	1.0	3	ug/L
Chloromethane	74-87-3	0.20 U	0.20	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	3	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.20 U	0.20	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromochloromethane	124-48-1	0.30 U	0.30	1.0	3	ug/L
Dibromomethane	74-95-3	0.30 U	0.30	1.0	5.5	ug/L
Ethylbenzene	100-41-4	0.10 U	0.10	1.0	3	ug/L
Iodomethane	74-88-4	0.80 U	0.80	2.0	6	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.30 U	0.30	2.0	NE	ug/L
o-Xylene	95-47-6	0.20 U	0.20	1.0	NE	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	5.5	ug/L
Tetrachloroethene	127-18-4	0.90 U	0.90	1.0	3	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Central Carolina Tire Ph. III Expansion
Lab #:	C603725-10	Work Order #:	C603725
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
trans-1,2-Dichloroethene	156-60-5	0.40 U	0.40	1.0	3	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.50 U	0.50	1.0	50.5	ug/L
Trichloroethene	79-01-6	0.40 U	0.40	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.20 U	0.20	1.0	3	ug/L
Vinyl acetate	108-05-4	1.0 U	1.0	2.0	26	ug/L
Vinyl chloride	75-01-4	0.30 U	0.30	1.0	5.5	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J27005 - EPA 5030B_MS

Blank (6J27005-BLK1) Prepared: 10/27/2006 08:40 Analyzed: 10/27/2006 10:32

Acetone	1.2 U	5.0	ug/L
Acrylonitrile	1.7 U	5.0	ug/L
Benzene	0.20 U	1.0	ug/L
2-Butanone	0.80 U	5.0	ug/L
2-Hexanone	0.50 U	5.0	ug/L
Iodomethane	0.80 U	2.0	ug/L
Tetrachloroethene	0.90 U	1.0	ug/L
4-Methyl-2-pentanone	0.80 U	5.0	ug/L
Bromochloromethane	0.50 U	1.0	ug/L
Trichloroethene	0.40 U	1.0	ug/L
Bromodichloromethane	0.20 U	0.40	ug/L
Bromoform	0.30 U	1.0	ug/L
Bromomethane	0.60 U	1.0	ug/L
Carbon disulfide	0.30 U	5.0	ug/L
Carbon tetrachloride	0.20 U	1.0	ug/L
Chlorobenzene	0.30 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.40 U	1.0	ug/L
Chloromethane	0.20 U	1.0	ug/L
Dibromochloromethane	0.30 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.60 U	1.0	ug/L
1,2-Dibromoethane	0.40 U	1.0	ug/L
Dibromomethane	0.30 U	1.0	ug/L
1,2-Dichlorobenzene	0.30 U	1.0	ug/L
1,4-Dichlorobenzene	0.30 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.50 U	1.0	ug/L
1,1-Dichloroethane	0.40 U	1.0	ug/L
1,2-Dichloroethane	0.40 U	1.0	ug/L
1,1-Dichloroethene	0.40 U	1.0	ug/L
cis-1,2-Dichloroethene	0.20 U	1.0	ug/L
trans-1,2-Dichloroethene	0.40 U	1.0	ug/L
1,2-Dichloropropane	0.20 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	0.10 U	1.0	ug/L
Methylene chloride	0.40 U	2.0	ug/L
Styrene	0.10 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.20 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.30 U	1.0	ug/L
Toluene	0.20 U	1.0	ug/L
1,1,1-Trichloroethane	0.20 U	1.0	ug/L
1,1,2-Trichloroethane	0.40 U	1.0	ug/L
Trichlorofluoromethane	0.20 U	1.0	ug/L
1,2,3-Trichloropropane	0.50 U	1.0	ug/L
Vinyl acetate	1.0 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J27005 - EPA 5030B_MS										
Blank (6J27005-BLK1) Continued				Prepared: 10/27/2006 08:40 Analyzed: 10/27/2006 10:32						
Vinyl chloride	0.30 U	1.0	ug/L							
m,p-Xylenes	0.30 U	2.0	ug/L							
o-Xylene	0.20 U	1.0	ug/L							
Surrogate: Toluene-d8	*55*		*ug/L*	*50.0*		*110*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*43*		*ug/L*	*50.0*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*51*		*ug/L*	*50.0*		*102*	*73-138*			
LCS (6J27005-BS1)				Prepared: 10/27/2006 08:40 Analyzed: 10/27/2006 19:17						
Benzene	22	1.0	ug/L	20.0		112	69-115			
Trichloroethene	18	1.0	ug/L	20.0		90	74-118			
Chlorobenzene	22	1.0	ug/L	20.0		111	76-118			
1,1-Dichloroethene	23	1.0	ug/L	20.0		116	64-139			
Toluene	20	1.0	ug/L	20.0		98	77-117			
Matrix Spike (6J27005-MS1)		**Source: C603659-04**		Prepared: 10/27/2006 08:40 Analyzed: 10/27/2006 19:42						
Benzene	21	1.0	ug/L	20.0	0.20 U	106	53-150			
Trichloroethene	20	1.0	ug/L	20.0	0.40 U	98	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	0.30 U	110	44-128			
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.40 U	114	36-177			
Toluene	19	1.0	ug/L	20.0	0.20 U	97	40-161			
Matrix Spike Dup (6J27005-MSD1)		**Source: C603659-04**		Prepared: 10/27/2006 08:40 Analyzed: 10/27/2006 20:08						
Benzene	20	1.0	ug/L	20.0	0.20 U	100	53-150	6	23	
Trichloroethene	19	1.0	ug/L	20.0	0.40 U	97	64-124	1	25	
Chlorobenzene	21	1.0	ug/L	20.0	0.30 U	104	44-128	5	22	
1,1-Dichloroethene	22	1.0	ug/L	20.0	0.40 U	112	36-177	2	30	
Toluene	19	1.0	ug/L	20.0	0.20 U	96	40-161	1	23	
Batch 6J27006 - EPA 5030B_MS										
Blank (6J27006-BLK1)				Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19						
Acetone	1.2 U	5.0	ug/L							
Acrylonitrile	1.7 U	5.0	ug/L							
Benzene	0.20 U	1.0	ug/L							
2-Butanone	0.80 U	5.0	ug/L							
2-Hexanone	0.50 U	5.0	ug/L							
Iodomethane	0.80 U	2.0	ug/L							
Tetrachloroethene	0.90 U	1.0	ug/L							
4-Methyl-2-pentanone	0.80 U	5.0	ug/L							
Bromochloromethane	0.50 U	1.0	ug/L							
Trichloroethene	0.40 U	1.0	ug/L							
Bromodichloromethane	0.20 U	0.40	ug/L							
Bromoform	0.30 U	1.0	ug/L							
Bromomethane	0.60 U	1.0	ug/L							
Carbon disulfide	0.30 U	5.0	ug/L							
Carbon tetrachloride	0.20 U	1.0	ug/L							
Chlorobenzene	0.30 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J27006 - EPA 5030B_MS										
Blank (6J27006-BLK1) Continued				Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19						
Chloroform	0.40 U	1.0	ug/L							
Chloromethane	0.20 U	1.0	ug/L							
Dibromochloromethane	0.30 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.60 U	1.0	ug/L							
1,2-Dibromoethane	0.40 U	1.0	ug/L							
Dibromomethane	0.30 U	1.0	ug/L							
1,2-Dichlorobenzene	0.30 U	1.0	ug/L							
1,4-Dichlorobenzene	0.30 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.50 U	1.0	ug/L							
1,1-Dichloroethane	0.40 U	1.0	ug/L							
1,2-Dichloroethane	0.40 U	1.0	ug/L							
1,1-Dichloroethene	0.40 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.20 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.40 U	1.0	ug/L							
1,2-Dichloropropane	0.20 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	0.10 U	1.0	ug/L							
Methylene chloride	0.40 U	2.0	ug/L							
Styrene	0.10 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.20 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.30 U	1.0	ug/L							
Toluene	0.20 U	1.0	ug/L							
1,1,1-Trichloroethane	0.20 U	1.0	ug/L							
1,1,2-Trichloroethane	0.40 U	1.0	ug/L							
Trichlorofluoromethane	0.20 U	1.0	ug/L							
1,2,3-Trichloropropane	0.50 U	1.0	ug/L							
Vinyl acetate	1.0 U	2.0	ug/L							
Vinyl chloride	0.30 U	1.0	ug/L							
m,p-Xylenes	0.30 U	2.0	ug/L							
o-Xylene	0.20 U	1.0	ug/L							
LCS (6J27006-BS1)				Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:11						
Benzene	21	1.0	ug/L	20.0		104	69-115			
Trichloroethene	21	1.0	ug/L	20.0		105	74-118			
Chlorobenzene	23	1.0	ug/L	20.0		114	76-118			
1,1-Dichloroethene	23	1.0	ug/L	20.0		116	64-139			
Toluene	21	1.0	ug/L	20.0		105	77-117			
Matrix Spike (6J27006-MS1)		Source: C603737-01		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:37						
Benzene	20	1.0	ug/L	20.0	0.20 U	101	53-150			
Trichloroethene	20	1.0	ug/L	20.0	0.40 U	98	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	0.30 U	111	44-128			
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.40 U	117	36-177			
Toluene	20	1.0	ug/L	20.0	0.20 U	101	40-161			
Matrix Spike Dup (6J27006-MSD1)		Source: C603737-01		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 08:04						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J27006 - EPA 5030B_MS										
Matrix Spike Dup (6J27006-MSD1) Continued		**Source: C603737-01**		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 08:04						
Benzene	22	1.0	ug/L	20.0	0.20 U	109	53-150	8	23	
Trichloroethene	20	1.0	ug/L	20.0	0.40 U	99	64-124	1	25	
Chlorobenzene	22	1.0	ug/L	20.0	0.30 U	111	44-128	0.05	22	
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.40 U	115	36-177	2	30	
Toluene	20	1.0	ug/L	20.0	0.20 U	99	40-161	2	23	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J20009 - EPA 3005A										
Blank (6J20009-BLK1)				Prepared: 10/20/2006 09:12 Analyzed: 10/23/2006 13:28						
Arsenic	2.80 J	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
LCS (6J20009-BS1)				Prepared: 10/20/2006 09:12 Analyzed: 10/23/2006 13:49						
Arsenic	1070	10.0	ug/L	1000		107	82-117			
Barium	1070	10.0	ug/L	1000		107	72-125			
Cadmium	557	1.00	ug/L	500		111	72-120			
Chromium	1060	10.0	ug/L	1000		106	78-119			
Lead	1050	10.0	ug/L	1000		105	72-121			
Selenium	1080	10.0	ug/L	1000		108	82-127			
Silver	99.2	10.0	ug/L	100		99	80-128			
Matrix Spike (6J20009-MS1)		**Source: C603725-01**		Prepared: 10/20/2006 09:12 Analyzed: 10/23/2006 14:03						
Arsenic	1140	10.0	ug/L	1000	3.70	113	64-126			
Barium	1250	10.0	ug/L	1000	101	115	74-119			
Cadmium	591	1.00	ug/L	500	0.50 U	118	68-121			
Chromium	1130	10.0	ug/L	1000	2.0 U	113	73-120			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			
Selenium	1160	10.0	ug/L	1000	2.0 U	116	65-129			
Silver	106	10.0	ug/L	100	2.0 U	106	69-121			
Matrix Spike Dup (6J20009-MSD1)		**Source: C603725-01**		Prepared: 10/20/2006 09:12 Analyzed: 10/23/2006 14:10						
Arsenic	1140	10.0	ug/L	1000	3.70	113	64-126	0.09	12	
Barium	1240	10.0	ug/L	1000	101	114	74-119	0.2	11	
Cadmium	589	1.00	ug/L	500	0.50 U	118	68-121	0.3	12	
Chromium	1130	10.0	ug/L	1000	2.0 U	113	73-120	0.4	10	
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126	0.4	19	
Selenium	1160	10.0	ug/L	1000	2.0 U	116	65-129	0	10	
Silver	106	10.0	ug/L	100	2.0 U	106	69-121	0.2	12	
Batch 6J23013 - EPA 7470A										
Blank (6J23013-BLK1)				Prepared: 10/23/2006 09:38 Analyzed: 10/23/2006 15:45						
Mercury	0.124 J	0.20	ug/L							
LCS (6J23013-BS1)				Prepared: 10/23/2006 09:38 Analyzed: 10/23/2006 15:38						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23013 - EPA 7470A										
Mercury	5.25	0.20	ug/L	5.00		105	87-123			
Matrix Spike (6J23013-MS1)		**Source: C603724-02**		Prepared: 10/23/2006 09:38 Analyzed: 10/23/2006 15:47						
Mercury	4.98	0.20	ug/L	5.00	0.11 U	100	63-132			
Matrix Spike Dup (6J23013-MSD1)		**Source: C603724-02**		Prepared: 10/23/2006 09:38 Analyzed: 10/23/2006 15:49						
Mercury	4.84	0.20	ug/L	5.00	0.11 U	97	63-132	3	10	
Post Spike (6J23013-PS1)		**Source: C603724-02**		Prepared: 10/23/2006 09:38 Analyzed: 10/23/2006 15:51						
Mercury	4.27	0.20	ug/L	5.00	-0.0606	87	85-115			
Batch 6J23022 - EPA 245.1										
Blank (6J23022-BLK1)				Prepared: 10/23/2006 12:47 Analyzed: 10/24/2006 15:01						
Mercury	0.11 U	0.20	ug/L							
LCS (6J23022-BS1)				Prepared: 10/23/2006 12:47 Analyzed: 10/24/2006 15:16						
Mercury	5.19	0.20	ug/L	5.00		104	87-123			
LCS (6J23022-BS2)				Prepared: 10/23/2006 12:47 Analyzed: 10/24/2006 15:24						
Mercury	5.15	0.20	ug/L	5.00		103	87-123			
Matrix Spike (6J23022-MS1)		**Source: C603863-01**		Prepared: 10/23/2006 12:47 Analyzed: 10/24/2006 15:20						
Mercury	4.98	0.20	ug/L	5.00	0.11 U	100	63-132			
Matrix Spike Dup (6J23022-MSD1)		**Source: C603863-01**		Prepared: 10/23/2006 12:47 Analyzed: 10/24/2006 15:22						
Mercury	5.10	0.20	ug/L	5.00	0.11 U	102	63-132	2	10	

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 828-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: Withers & Ravenel Environmental (WI009)	Project Number: 02020334.09
Address: 111 MacKenan Drive	Project Name/Desc: Central Carolina Tire Ph. III Expansion
City/ST/Zip: Cary, NC 27511	PO # / Billing Info:
Tel: (919) 469-3340 Fax: (919) 535-4545	Reporting Contact: John Palmer
Sampler(s) Name, Affiliation (Print): JOHN PALMER / WRI	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Cd,Cr,Hg,Pb,Se

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603725

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sample Comments
	MW-10	10/18/06	1655	G	Water	4	X	X	
	MW-11		1510		Water	4	X	X	
	MW-12		1405		Water	4	X	X	
	MW-13		1231		Water	4	X	X	
	MW-14	10/18/06	1105	G	Water	4	X	X	
	~~MW-15~~				~~Water~~	~~4~~	~~X~~	~~X~~	
	MW-16	10/18/06	1715	G	Water	4	X	X	
	MW-17		1425		Water	4	X	X	
	MW-18		1546		Water	4	X	X	
	SW-1		1150		Water	4	X	X	
	Trip Blank	10/18/06	—	G	Water	3	X		

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	10/6/06 1600	[signature]	1800 / 10/19/06	[signature]	10/20/06 740
Comments: OMIT MW-15 FROM REPORT		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 5.8		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist