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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Nautilus Geologic Consulting, PLLC

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

Name: Brian S. Boutin, PG Phone: 919-366-3663 (office); 919-995-0363 (cell)

E-mail: bboutinpg@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Central Carolina Tire Monofill Landfill Phase 1/2 (Closed)	1616 McKoy Town Road Cameron, NC 28326	43.04	.0500	October 3, 2012

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Brian S. Boutin, PG — Facility Representative Name (Print)
Consultant for Facility — Title
919-366-3663 (office); 919-995-0363 (cell) — (Area Code) Telephone Number

Signature
November 29, 2012 — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1208 GEOLOGIST BRIAN S. BOUTIN

11112 Branding Iron Place, Wendell, NC 27591
Facility Representative Address

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

Revised 6/2009

Explanatory Text for Notification Table
Central Carolina Tire Monofill Landfill
Cameron, Harnett, NC
Permit # 43-04
October 3, 2012 Water Quality Monitoring

The results of the October 3, 2012 groundwater and surface water quality monitoring conducted at the Central Carolina Tire Monofill Landfill Phase I/II are generally consistent with the results of previous monitoring conducted at the site. No RCRA metals were reported in any of the groundwater or surface water samples at concentrations that exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards or the 15A NCAC 2B surface water quality standards. No Appendix I VOCs were reported in surface water samples SW-1 and SW-2. The results of the analyses of the groundwater samples for Appendix I VOCs are generally consistent with the historical site data. It is noted that the level of PCE reported at MW-8 and the level of vinyl chloride reported at MW-3 in October 2012 exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards. None of the other VOCs reported in the groundwater samples were detected at concentrations that exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

The results of a preliminary site assessment conducted in November 2010 and a Phase 2 site assessment conducted in April and May 2012 indicate that the source of PCE in groundwater at MW-8 is unrelated to the Phase I/II landfill and is located in the vicinity of the maintenance shelter located north of MW-8. The results of the preliminary site assessment are reported in the January 2011 *Preliminary Site Assessment Report* and the results of the second phase of assessment are reported in the June 2012 *Hydrogeologic and Groundwater Quality Assessment Report*, both of which were previously submitted to the NCDENR Solid Waste Section. The October 2012 monitoring event is the first in which vinyl chloride was detected in groundwater at the location of MW-3. The presence of vinyl chloride at MW-3 is likely the result of anaerobic environmental transformation of cis-1,2-dichloroethene, which has been consistently detected in low levels at MW-3 since the fall of 2004.

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October 29, 2012

Ms. Elizabeth S. Werner, Hydrogeologist
North Carolina Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Report of Results
Semi-Annual Groundwater and Surface Water Monitoring: October 2012
Central Carolina Tire Monofill Landfill Phase I/II
Cameron, Harnett County, NC
Permit # 43-04

Dear Ms. Werner:

This report presents the results of semi-annual groundwater and surface water quality monitoring conducted at the landfill site referenced above (**Figure 1**) on October 3, 2012. The scope of work performed included sampling and laboratory analysis of groundwater samples from eight on-site monitoring wells (MW-2 through MW-9) and surface water samples from two on-site locations (SW-1 and SW-2). The groundwater and surface water samples were collected in accordance with the NCDENR, Division of Waste Management (DWM), Solid Waste Section (SWS) Groundwater Monitoring Guidance Document and the facility Water Quality Monitoring Plan. The sampling and data collection methods, as well as the current and historical results of field and laboratory testing of the water samples, are presented in the following sections.

1.0 POTENTIOMETRIC PATTERN AND GROUNDWATER FLOW

Groundwater levels were gauged in the site groundwater monitoring wells on October 3, 2012 as part of the site monitoring. Depths to groundwater were measured using an electronic interface probe that was thoroughly decontaminated between wells with a non-phosphate soap and water wash followed in order by multiple rinses with distilled water, an isopropyl alcohol rinse, and multiple distilled water rinses. Depth to water measurements were made after the wells were opened for a sufficient periods of time to allow water levels to equilibrate with atmospheric pressure. The locations of the site monitoring wells are depicted in **Figure 2**. Groundwater

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elevation data collected at the monitoring wells on October 3, 2012 are presented in **Table 1**. The depth to groundwater across the site, relative to the top of the PVC casing of the monitoring wells, ranged from 4.41 feet at MW-4 to 22.23 feet at MW-9, which is consistent with the surface topography.

A water-table elevation contour map that was developed based on the October 3, 2012 groundwater-gauging data for the Type II monitoring wells is presented as **Figure 3**. The pattern of the water-table contours indicates that the horizontal component of shallow groundwater flow at the site is generally to the east-southeast, which is consistent with the surface topography and drainage features at the site. The average hydraulic gradient of the water table, based on the data depicted in **Figure 3**, ranges from approximately 0.050 ft/ft in west-southwest portion of the site to approximately 0.025 ft/ft in the east-northeast portion of the site.

2.0 RESULTS OF GROUNDWATER AND SURFACE WATER SAMPLING AND ANALYSIS

Groundwater samples were collected from the site monitoring wells and surface water samples were collected from two on-site locations on October 3, 2012 for laboratory analysis to monitor the quality of groundwater and surface water at the site. The groundwater and surface water samples were collected and handled in accordance with the sampling protocols included in the site Water Quality Monitoring Plan as well as the SWS Groundwater Monitoring Guidance Document. It is noted that monitoring well MW-9 serves as the upgradient, natural background well for the facility, and monitoring wells MW-2 through MW-7 serve as the downgradient monitoring wells. Monitoring well MW-8 is located immediately north of the landfill. Based on its location relative to the groundwater elevation contours, MW-8 is located hydraulically cross-gradient to the northern-most area of the landfill and hydraulically upgradient of most of the landfill area. All reusable sampling equipment was properly decontaminated between sampling locations with a non-phosphate soap and water wash, followed by multiple rinses with distilled water. New disposable nitrile or latex gloves were worn during all sampling activities. Disposable sampling equipment/material was discarded after each use.

Prior to groundwater sampling, all monitoring wells were purged using pre-cleaned Teflon-lined disposable polyethylene tubing connected to a peristaltic pump under low flow conditions. During purging, measurements were made in the field of the pH, temperature, specific conductance and turbidity of the groundwater collected from the monitoring wells, in accordance with SWS requirements. The results of the field analyses of these parameters are presented in **Table 1**. Copies of Groundwater Sampling Forms containing pertinent information recorded in

the field during purging and sampling at each groundwater monitoring well are presented in **Appendix A**. The results of the field-measured water-quality parameters indicate that the values measured in groundwater collected from the site monitoring wells were generally within the applicable stabilization criteria (see Groundwater Sampling Forms). Groundwater at the site is acidic based on the pH values measured in the field (4.09 to 6.14). Specific conductance values ranged from 55 (MW-8) to 311 (MW-9) μS/cm. Turbidity values ranged from 3 (MW-8) to 7 (MW-5, MW-6, MW-9) NTUs.

Surface water samples were collected from locations SW-1 and SW-2. The sampling locations are depicted in **Figure 2**. SW-1 is located approximately 140-feet south-southeast of the south-central sedimentation pond and within the drainage feature that parallels the southern limits of scrap tire disposal within the Phase I/II landfill. SW-2 is located approximately 250-feet south-southeast of the southeastern sedimentation pond and within the primary drainage feature that parallels the eastern limits of the Phase I/II landfill. The surface water samples from SW-1 and SW-2 were collected in accordance with the protocol presented in the SWS Groundwater Monitoring Guidance Document.

All groundwater and surface water samples were analyzed at a North Carolina-certified laboratory for Appendix I volatile organic compounds (VOCs) by SW 846 Method 8260 and the 8 RCRA metals by EPA 6000/7000 series methods. Summarized results of laboratory analyses for groundwater and surface water samples collected from the site on October 3, 2012 are presented in **Table 2**. Summarized historical groundwater and surface water quality data for the site are presented in **Table 3**. Copies of the original laboratory reports are included in **Appendix B**.

The laboratory analytical results for surface water samples SW-1 and SW-2 indicate that no VOCs were reported in either sample. Low levels of several RCRA metals were reported in both surface water samples. It is noted that none of the reported concentrations of metals in the surface water samples exceed the corresponding 15A NCAC 2B surface water quality standards.

The laboratory analytical results for the groundwater samples collected from the site monitoring wells on October 3, 2012 indicate that low levels of benzene were reported in the groundwater samples collected from monitoring wells MW-3, MW-4, and MW-7. In addition, trace levels of 1,1-dichloroethane, cis-1,2-dichloroethene, and methyl isobutyl ketone were reported in the groundwater sample collected from monitoring well MW-3, and a trace level of chloroethane was detected in the groundwater sample collected from monitoring well MW-4. The levels reported for these VOCs in groundwater are below the corresponding 15A NCAC 2L .0202

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groundwater quality standards. Vinyl chloride (VC) was reported at a concentration of 0.59 µg/L in the groundwater sample collected from MW-3, which exceeds the 15A NCAC 2L .0202 groundwater quality standard of 0.03 µg/L. In addition, tetrachloroethene (PCE) was reported at a concentration of 4.4 µg/L in the sample from MW-8, which exceeds the 15A NCAC 2L .0202 groundwater quality standard of 0.70 µg/L. It is noted that the results of a preliminary site assessment conducted in November 2010 and a Phase 2 site assessment conducted in April and May 2012 indicate that the source of PCE in groundwater at MW-8 is unrelated to the Phase I/II landfill and is located in the vicinity of the maintenance shelter located north of MW-8. The October 2012 monitoring event is the first in which VC was detected in groundwater at the location of MW-3. The presence of VC at MW-3 is likely the result of anaerobic environmental transformation of cis-1,2-dichloroethene, which has been consistently detected in low levels at MW-3 since the fall of 2004.

The results of the metals analyses of the groundwater samples indicate that arsenic was reported in six of the samples, barium was reported in all of the samples, cadmium was reported in three samples, chromium, lead and selenium were reported in all of the samples, mercury was reported in one of the samples, and silver was reported in two of the samples. It is noted that chromium was reported in a laboratory blank at concentrations similar to those reported for the groundwater samples collected from the site. None of the reported concentrations of the metals in the groundwater samples exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the October 3, 2012 groundwater and surface water quality monitoring conducted at the Central Carolina Tire Monofill Landfill Phase I/II are generally consistent with the results of previous monitoring conducted at the site. No RCRA metals were reported in any of the groundwater or surface water samples at concentrations that exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards or the 15A NCAC 2B surface water quality standards. No Appendix I VOCs were reported in surface water samples SW-1 and SW-2. The results of the analyses of the groundwater samples for Appendix I VOCs are generally consistent with the historical data presented in **Table 3**. It is noted that the level of PCE reported at MW-8 and the level of VC reported at MW-3 in October 2012 exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards. None of the other VOCs reported in the groundwater samples were detected at concentrations that exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

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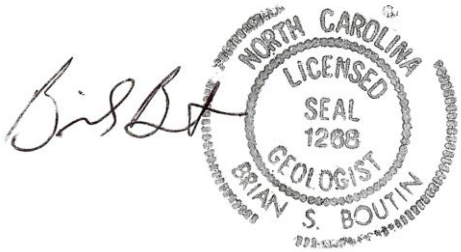
The results of a preliminary site assessment conducted in November 2010 and a Phase 2 site assessment conducted in April and May 2012 indicate that the source of PCE in groundwater at MW-8 is unrelated to the Phase I/II landfill and is located in the vicinity of the maintenance shelter located north of MW-8. The results of the preliminary site assessment are reported in the January 2011 *Preliminary Site Assessment Report* and the results of the second phase of assessment are reported in the June 2012 *Hydrogeologic and Groundwater Quality Assessment Report*, both of which were previously submitted to the NCDENR Solid Waste Section. The October 2012 monitoring event is the first in which VC was detected in groundwater at the location of MW-3. The presence of VC at MW-3 is likely the result of anaerobic environmental transformation of cis-1,2-dichloroethene, which has been consistently detected in low levels at MW-3 since the fall of 2004.

If you have any questions or require further assistance regarding this report, please call me at 919-995-0363. The next water quality monitoring event for the Central Carolina Tire Monofill Landfill is scheduled for April 2013.

Sincerely,



Brian S. Boutin, P.G.
Consulting Geologist

Cc: Tim McNeil, Central Carolina Holdings, Inc.
Vance Moore, Garrett and Moore, Inc.

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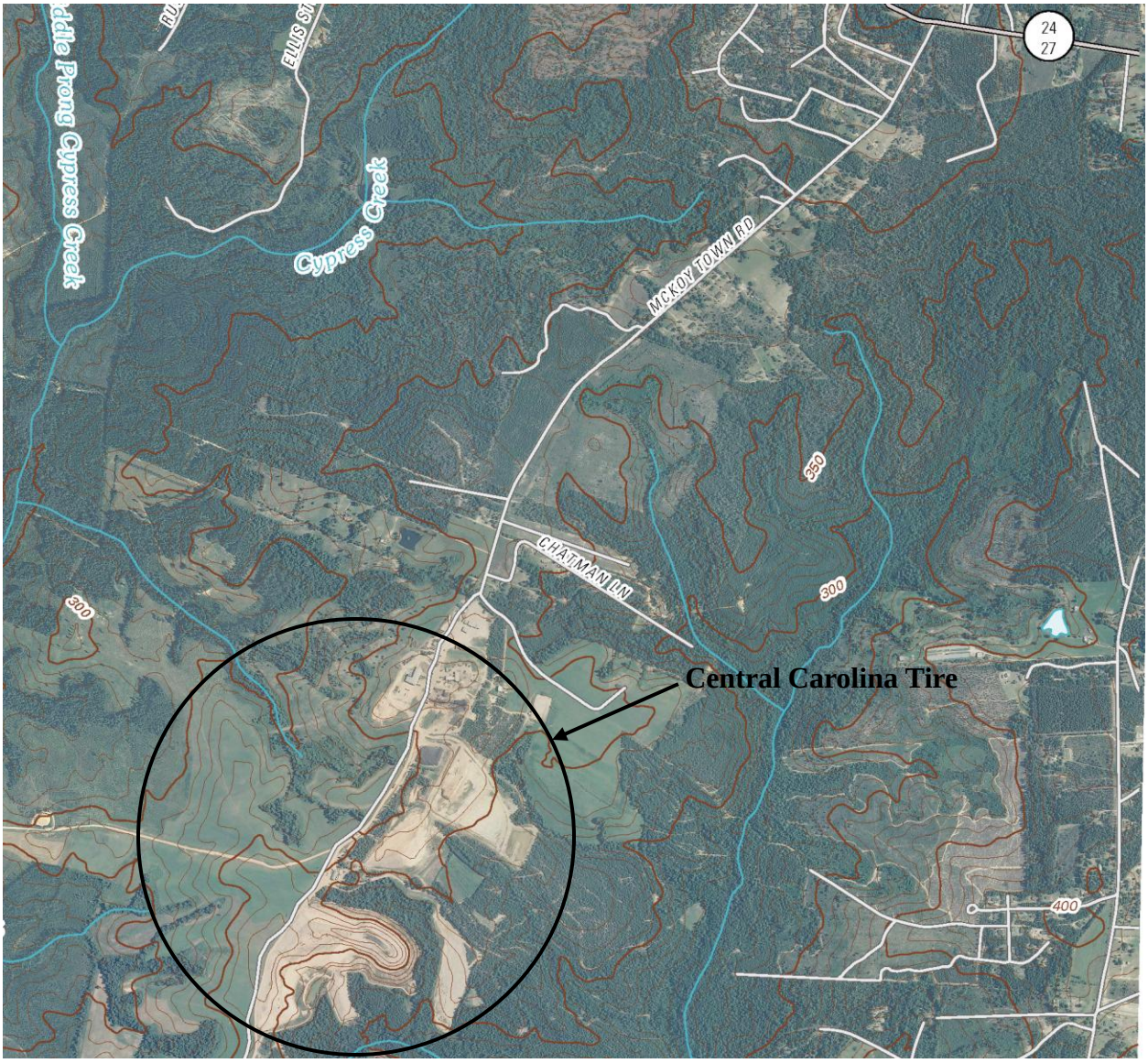

N

Source: USGS 7.5' Topographic Quadrangle Series
Murchisontown, NC 2010

Nautilus Geologic Consulting, PLLC
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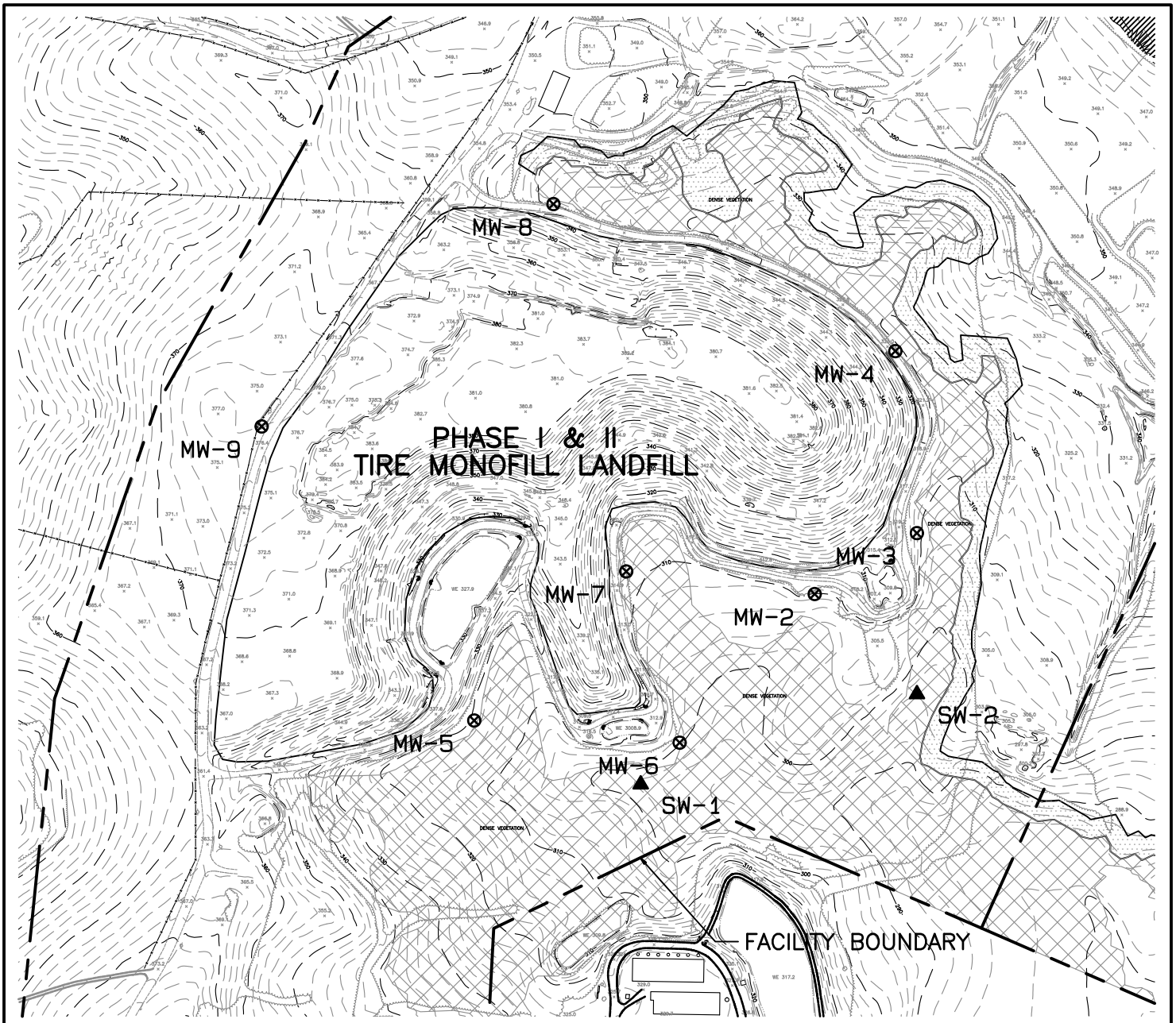
SITE LOCATION MAP

Central Carolina Tire Monofill Landfill
Harnett County, North Carolina

Drawn by:	Reviewed by:	Project #:	Drawing #:	Figure No.
USGS		Scale: 1:24,000	Drawing Date: 05/31/2012	1



LEGEND

⊗ MW-9 GROUNDWATER MONITORING WELL

▲ SW-1 SURFACE WATER MONITORING LOCATION

WETLANDS

-N-

GRAPHIC SCALE 1"=400'

0 400 800 1200

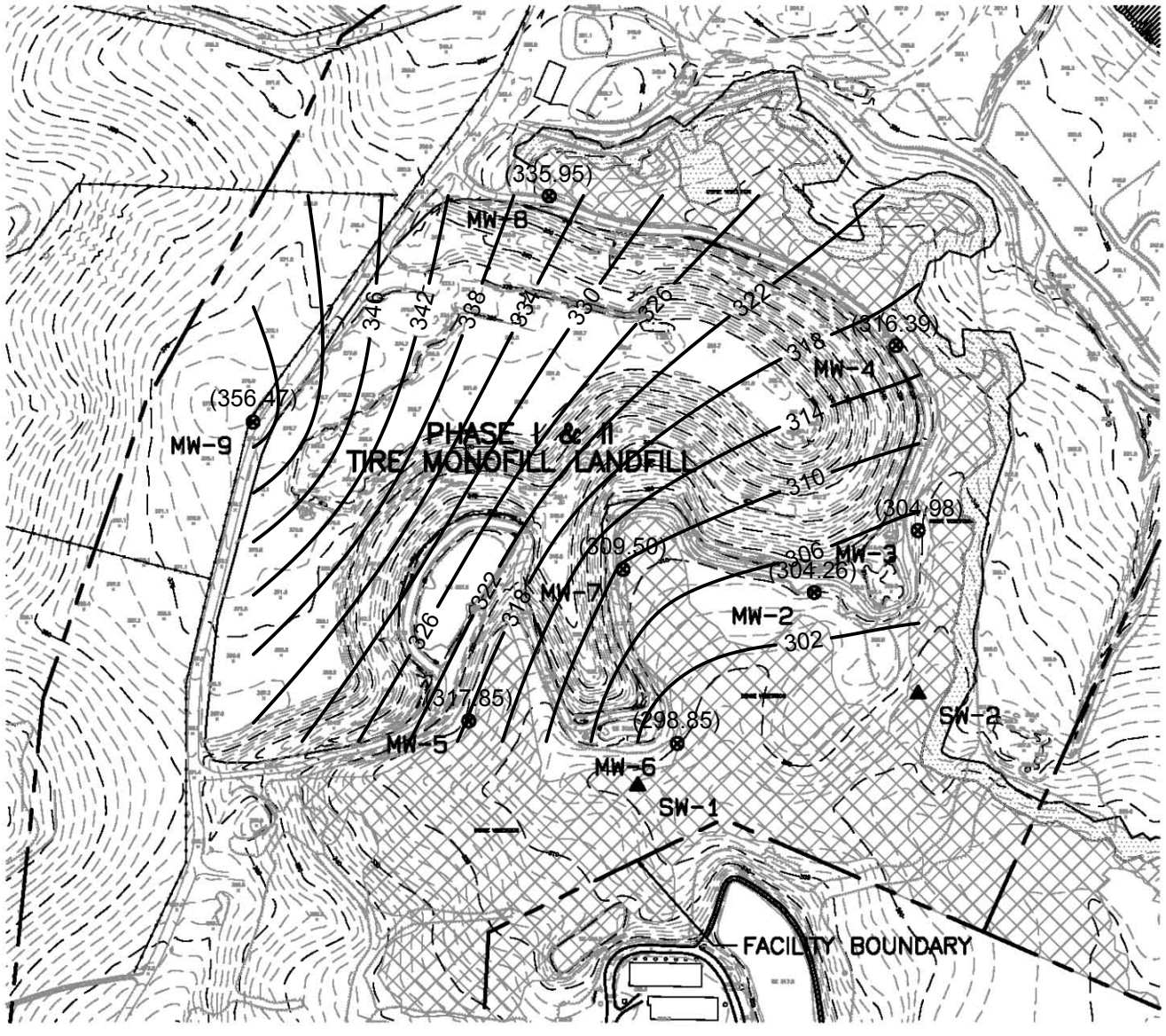
GARRETT & MOORE
Engineering for the Power and Waste Industries

CENTRAL CAROLINA TIRE PHASE I & II SITE MAP

JOB

FIG 2

V:\Liberty Tire Projects\Central Carolina Tire\Projects\Solid Waste\Groundwater Monitoring\3-Groundwater Monitoring Event Reports\2011\OCT '11\Phase 1 & 2\PHS 1-2 GW EVENT 10-11.pro



LEGEND

MW-9	GROUNDWATER MONITORING WELL
SW-1	SURFACE WATER MONITORING LOCATION
320	Groundwater Elevation Contour (ft. msl)
(317.70)	Groundwater Elevation (ft. msl)
	WETLANDS

-N-

GRAPHIC SCALE 1"=400'

0 400 800 1200

Nautilus Geologic Consulting, PLLC

Central Carolina Tire Phase I & II
Water Table Elevation Contour Map
October 3, 2012

JOB

FIG 3

V:\Liberty Tire Projects\Central Carolina Tire\Projects\Solid Waste\Groundwater Monitoring\3-Groundwater Monitoring Event Reports\2011\OCT '11\Phase 1 & 2\PHS 1-2 GW EVENT 10-11.pro

Table 1
Monitoring Well and Groundwater Data
October 2012 Sampling Event
October 3, 2012
Central Carolina Tire Monofill Landfill Phase I/II
Harnett County, North Carolina
Permit # 43-04

Well Identity	Well Depth (Feet BGS)	Well Diameter (Inches)	Top of Casing Elevation (Feet MSL)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (Feet MSL)	Field Parameters			
						Temp. C^{o}	pH	S.C. umhos/cm	Turbidity (ntu)
MW-2	20.0	2.0	309.30	5.04	304.26	20.4	4.85	76	6
MW-3	20.0	2.0	315.20	10.22	304.98	19.6	4.09	94	4
MW-4	20.0	2.0	320.80	4.41	316.39	21.8	6.14	75	6
MW-5	20.0	2.0	322.40	4.55	317.85	20.2	4.83	97	7
MW-6	25.0	2.0	305.10	6.25	298.85	20.7	6.15	107	7
MW-7	20.0	2.0	315.80	6.30	309.50	20.2	4.96	75	6
MW-8	20.0	2.0	342.80	6.85	335.95	22.7	5.37	55	3
MW-9	30.0	2.0	378.70	22.23	356.47	22.3	5.13	311	7

Notes: BGS = Below Ground Surface
MSL = Mean Sea Level
BTOC = Below Top of Casing
GW = Groundwater
S.C. = Specific Conductance
ntu = Nephelometric Turbidity Units
Monitoring well construction data taken from October-December 2006 Sampling Event Monitoring Report prepared by Withers & Ravenel.

Table 2
Laboratory Results for Surface Water and Groundwater Samples
October 2012 Sampling Event
October 3, 2012
Central Carolina Tire Monofill Landfill Phase I/II, Harnett County, NC
Permit # 43-04

ORGANIC CONSTITUENTS (ug/L)	SW-1	SW-2	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	GWP Std (ug/L)	NCAC 2L STD (ug/L)
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	6000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzene	ND	ND	ND	0.85	0.92	ND	ND	0.64	ND	ND	NE	1
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	NE
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.6
Bromoform (Tribromoethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	4
Bromomethane (Methyl Bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	10
2-Butanone (MEK), (Methyl Ethyl Ketone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	4000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	700
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.3
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	50
Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	NE	3000
Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	70
1,2-Dibromo-3-Chloropropane (DBCP)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.04
Dibromochloromethane (Chlorodibromomethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41	0.4
1,2,-Dibromoethane (Ethylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.02
Dibromomethane (Methylene Bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	70
1,2-Dichlorobenzene (O-Dichlorobenzene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	20
1,3-Dichlorobenzene (M-Dichlorobenzene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	200
1,4-Dichlorobenzene (P-Dichlorobenzene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	6
Trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,1-Dichloroethane	ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND	NE	6
1,2-Dichloroethane (Ethylene Dichloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.4
1,1-Dichloroethene (Vinylidene Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	7
1,2-Dichloroethene (cis and trans isomers)	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	60	60
1,2-Dichloropropane (Propylene Dichloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.6
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,3-Dichloropropene (cis and trans isomers)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.4
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	600
Iodomethane (Methyl Iodide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Hexanone (Methyl Butyl Ketone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	40
Methyl Chloride (Chloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	3
Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	5
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND	ND	ND	4.8 J	ND	ND	ND	ND	ND	ND	560	NE
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	70
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	0.2
Tetrachloroethene (Tetrachloroethylene), (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	**4.4**	ND	NE	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	600
1,1,1-Trichloroethane (Methylchloroform)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	200
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	0.6
Trichloroethene (Trichloroethylene), (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	3
Trichlorofluoromethane (CFC-11)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	2000
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	0.005
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	88	88
Vinyl Chloride	ND	ND	ND	**0.59**	ND	ND	ND	ND	ND	ND	NE	0.03
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	500
INORGANIC CONSTITUENTS (in ug/L)											**GWP Std (ug/L)**	**NCAC 2L STD (ug/L)**
Arsenic	1.6	ND	0.55 J	2.4	1.2	1.1	1.7	1.4	ND	ND	NE	10
Barium	29	30	87	50	16	33	22	59	60	390	NE	700
Cadmium	ND	0.21 J	0.46 J	ND	0.26 J	ND	ND	ND	ND	0.38 J	NE	2
Chromium	2.6 B	2.5 B	2.3 B	2.3 B	2.3 B	2.3 B	2.7 B	2.8 B	2.3 B	3.2 B	NE	10
Lead	0.35 J	0.45 J	0.73 J	2.7	0.81 J	0.34 J	0.44 J	4.5	1.0	5.3	NE	15
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.075 J	NE	1
Selenium	3.9	3.0	3.3	13	3.0	6.8	6.0	4.7	0.7 J	1.8	NE	20
Silver	ND	ND	ND	ND	ND	0.081 J	ND	ND	ND	0.34 J	NE	20

Notes:

Values in boldface exceed the corresponding 15A NCAC 2L .0202 groundwater quality standard for Class GA groundwater.
NCAC 2L STD = North Carolina Groundwater Standard established in Title 15A of North Carolina Administrative Code Subchapter 2L
GWP Std = Solid Waste Section Groundwater Protection Standard
ND = None detected above laboratory method detection limit.
NS = Not Sampled, No sample exists for this sampling period

J = Estimated value above laboratory method detection limit and below SWSL or reporting limit.
B = Analyte found in associated field and/or laboratory blank.

Table 3
Historical Summary of Constituent Detections
Central Carolina Tire Monofill Landfill Phase I/II
Harnett County, North Carolina
Permit # 43-04

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-2**																		
Arsenic	**10**	ND	ND	ND	ND	ND	2.43 JB	ND	ND	ND	ND	ND	ND	ND	ND	0.80 J	ND	0.55 J
Barium	**700**	170	180	170	152	110	92.1 JB	162.0	97.5 JB	86.7 JB	115 B	73.4 JB	110.0	69.0	94.0	81.0	95.0	87.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29 J	0.18 J	**10.00**	0.93 J	ND	ND	0.46 J
Chromium	**10**	ND	ND	ND	ND	ND	4.58 JB	3.11 J	2.03 JB	1.77 JB	2.91 JB	2.67 JB	ND	1.5 J	ND	6.10	ND	2.3 B
Lead	**15**	ND	ND	ND	ND	ND	1.09 J	3.97 J	ND	ND	4.82 J	ND	1.6 J	0.68 J	ND	0.45 J	ND	0.73 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	3.98 J	ND	8.75 J	ND	ND	ND	3.3 J	ND	ND	2.60	3.30	3.30
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.36 JB	3.57 JB	1.16 JB	1.25 JB	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	0.160 JB	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.260 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	ND	0.390 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-3**																		
Arsenic	**10**	ND	ND	ND	ND	3.3 J	3.39 JB	ND	ND	ND	ND	ND	ND	0.92 J	ND	2.10	3.20	2.40
Barium	**700**	ND	ND	ND	30.5	34.1	20.0 JB	38.4 J	25.5 JB	28.6 JB	29.5 JB	41.2 JB	31.0	39.0	37.0	44.0	40.0	50.0
Cadmium	**2**	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.40**	ND	ND	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	5.06 JB	1.69 J	2.62 JB	2.62 JB	4.29 JB	2.95 JB	ND	1.5 J	ND	4.80	ND	2.3 B
Lead	**15**	ND	ND	ND	ND	ND	1.31 J	3.60 J	ND	3.77 J	5.60 J	7.01 J	0.97 J	1.9 J	1.2 J	2.30	1.70	2.70
Mercury	**1**	ND	ND	ND	ND	ND	0.038 J	0.133 J	0.064 J	0.090 J	0.089 J	0.36	0.056 J	ND	0.19 J	ND	0.21	ND
Selenium	**20**	ND	ND	ND	ND	ND	5.79 J	ND	9.5 J	ND	ND	ND	ND	7.60	ND	9.20	11.00	13.00
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.27 JB	3.74 JB	1.60 JB	ND	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.3 J	ND	ND	ND	ND	2.7 J	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	0.610 J	ND	ND	0.260 J	0.55 J	ND	ND	ND	0.76	0.51	0.85
Bromomethane	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND
4-Methyl-2-Pentanone	**560**	ND	ND	ND	ND	0.97 J	ND	ND	ND	ND	ND	2.8 J	0.56 J	0.89 J	ND	0.97 J	ND	4.8 J
Vinyl Chloride	**0.03**	ND	ND	ND	ND	**1.1**	ND	**0.490 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**6**	ND	ND	ND	ND	ND	0.270 J	0.620 J	ND	ND	0.280 J	0.47 J	ND	ND	ND	0.67	0.47	0.67
1,2-Dichloroethene (isomers)	**60**	1.5	1	ND	1.5	1.7	0.760 J	2.04 J	ND	0.230 J	0.660 J	1.21 J	0.53 J	0.84	0.59	2	1.0	2.2
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	0.110 JB	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.270 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	0.140 J	ND	0.330 J	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**0.03**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.59**

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-4**																		
Arsenic	**10**	ND	ND	ND	ND	2.9 J	4.16 JB	ND	ND	ND	ND	ND	ND	ND	ND	1.20	1.10	1.20
Barium	**700**	ND	ND	ND	23.7	20	20.9 JB	24.3 J	33.2 JB	29.6 JB	29.6 JB	22.2 JB	28.0	28.0	20.0	25.0	20.0	16.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	0.21 J	ND	0.48 J	ND	ND	ND	0.26 J
Chromium	**10**	ND	ND	ND	ND	ND	4.09 JB	3.11 J	2.77 JB	ND	3.40 JB	2.86 JB	ND	1.6 J	ND	5.00	ND	2.3 B
Lead	**15**	ND	ND	ND	ND	ND	3.12 J	6.11 J	ND	ND	ND	ND	ND	0.96 J	ND	0.74 J	ND	0.81 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	3.73 J	ND	ND	ND	ND	ND	ND	3.4 J	ND	2.40	2.90	3.00
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.17 JB	3.90 JB	1.97 JB	1.03 JB	ND	ND	ND	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	0.730 J	0.540 J	0.480 J	0.220 J	0.460 J	ND	0.56 J	ND	0.87	ND	0.93	0.92
Chloroethane	**3000**	ND	3.0	ND	4.2	1.6	3.59 J	1.99 J	2.35 J	0.820 J	2.55 J	ND	1.3 J	ND	1.2	ND	1.7	1.4
1,1-Dichloroethane	**6**	ND	3.0	ND	1.0	ND	0.350 J	0.560 J	0.210 J	ND	0.160 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (isomers)	**60**	ND	ND	ND	ND	ND	0.210 J	0.560 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.310 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	0.110 J	ND	0.540 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-5**																		
Arsenic	**10**	ND	ND	ND	ND	ND	4.83 JB	1.93 J	ND	ND	ND	ND	ND	ND	ND	0.55 J	1.30	1.10
Barium	**700**	ND	ND	ND	ND	19.3	58.2 JB	32.3 J	30.8 JB	30.9 JB	33.6 JB	23.8 JB	30.0	28.0	31.0	27.0	32.0	33.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J	0.45 J	ND	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	8.54 JB	5.67 J	1.58 JB	1.25 JB	4.10 JB	2.39 JB	0.60 J	1.7 J	ND	5.00	ND	2.3 B
Lead	**15**	ND	ND	ND	ND	ND	14.5	6.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J
Mercury	**1**	ND	ND	ND	ND	ND	0.058 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	5.42 J	ND	ND	ND	ND	ND	ND	3.2 J	ND	4.40	5.10	6.80
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.32 JB	3.74 JB	1.72 JB	ND	ND	ND	ND	ND	ND	0.081 J
Bromoform	**4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.210 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	ND	0.280 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-6**																		
Arsenic	**10**	ND	ND	ND	ND	2.8 J	2.25 JB	ND	ND	ND	3.08 J	ND	ND	0.9 J	ND	2.20	2.20	1.70
Barium	**700**	ND	ND	ND	37.4	29.9	30.5 JB	26.3 J	36.1 JB	34.1 JB	30.1 JB	21.3 JB	13.0	16 J	18.0	14.0	28.0	22.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND	0.37 J	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	5.05 JB	1.31 J	1.88 JB	ND	ND	2.76 JB	0.60 J	1.2 J	ND	4.40	ND	2.7 B
Lead	**15**	ND	ND	ND	ND	ND	1.62 J	4.43 J	6.14 J	3.70 J	3.50 J	ND	0.74 J	2.7 J	ND	0.87 J	ND	0.44 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	4.75 J	ND	ND	ND	ND	ND	2.8 J	3.9 J	ND	5.80	6.60	6.00
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.34 JB	3.79 JB	1.47 JB	0.78 JB	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.74 J	3.34 J	6.0 J	3.1 J	ND	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	**1.4**	**1.21**	**1.03**	0.780 J	0.880 J	0.990 J	0.81 J	0.56 J	ND	ND	ND	0.26 J	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.180 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	ND	0.380 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-7**																		
Arsenic	**10**	ND	ND	ND	ND	ND	3.88 JB	ND	ND	ND	ND	ND	ND	1.5 J	ND	1.20	1.80	1.40
Barium	**700**	ND	ND	ND	77	73.6	163 JB	64.2 J	70.7 JB	61.8 JB	63.0 JB	70.0 JB	67.0	65.0	67.0	54.0	65.0	59.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	5.47 JB	ND	1.58 JB	1.46 JB	3.01 JB	3.05 JB	ND	2.6 J	ND	4.50	ND	2.8 B
Lead	**15**	ND	ND	ND	ND	2.1 J	10.60	6.54 J	5.69 J	4.02 JB	5.74 JB	6.97 J	3.2 J	9.20	2.7 J	4.10	2.50	4.50
Mercury	**1**	ND	ND	ND	ND	ND	0.043 J	0.097 J	0.062 J	ND	ND	0.117 J	0.023 J	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	3.05 J	ND	7.96 J	ND	ND	ND	ND	3.7 J	ND	4.40	5.10	4.70
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.25 JB	3.62 JB	1.69 JB	0.94 J	ND	ND	ND	0.062 J	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.70	ND	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	0.790 J	0.210 J	0.250 J	0.330 J	0.61 J	ND	ND	ND	0.65	0.68	0.64
1,1-Dichloroethane	**6**	ND	ND	ND	ND	ND	ND	0.150 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (isomers)	**60**	ND	ND	ND	ND	ND	ND	0.240 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 JB	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.250 JB	0.320 J	ND	ND	ND	4.90	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	0.130 J	ND	0.520 J	ND	0.11 J	ND	ND	ND	ND	ND	ND

Notes:

Results in parts per billion (ppb)

ND - Not Detected above the laboratory method detection limit or practical quantitation limit (results prior to April 2007).

NA - Not analyzed for or not available

Values in boldface exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

Results for sampling conducted prior to April 2007 as presented in previous GW reports prepared by Withers & Ravenel.

J = Estimated value above laboratory method detection limit and below SWSL or reporting limit.

B = Analyte found in associated field and/or laboratory blank.

Table 3 (Continued)
Historical Summary of Constituent Detections
Phase I/II Tire Monofill Landfill (Active)
Harnett County, North Carolina

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-8**																		
Arsenic	**10**	ND	ND	ND	ND	ND	2.03 JB	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND
Barium	**700**	ND	ND	ND	41.5	42.5	32.1 JB	41.4 J	43.9 JB	46.1 JB	45.0 JB	39.2 JB	38.0	33.0	40.0	41.0	22.0	60.0
Cadmium	**2**	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	0.59 J	0.17 J	ND	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	5.03 JB	4.54 J	2.33 JB	1.25 JB	3.20 JB	2.95 JB	0.56 J	1.3 J	ND	3.70	ND	2.3 B
Lead	**15**	ND	ND	ND	ND	ND	1.04 J	7.71 J	7.42 J	ND	6.30 J	ND	1.1 J	0.72 J	1.1 J	0.74 J	ND	1.00
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7 J
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.28 JB	3.90 JB	1.29 JB	0.8 JB	ND	ND	ND	ND	ND	ND
Ethylbenzene	**29**	ND	ND	ND	ND	ND	ND	ND	ND	0.120 J	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**0.7**	ND	ND	ND	ND	**1.8**	0.310 J	0.550 J	**0.730 J**	**0.960 J**	**2.40**	**1.74 B**	**6.30**	**1.80**	**5.40**	**6.90**	**3.40**	**4.40**
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.450 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	ND	0.700 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **MW-9**																		
Arsenic	**10**	ND	ND	ND	ND	2.6 J	2.88 JB	5.04 J	ND	ND	ND	ND	**15**	ND	**13**	ND	ND	ND
Barium	**700**	370	270	360	242	310	462 JB	366.0	288 B	50.1 JB	210 B	311 B	680.0	230.0	**940**	390	**800**	390
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	0.23 J	0.52 J	0.31 J	ND	ND	0.38 J
Chromium	**10**	ND	ND	ND	ND	ND	5.71 JB	1.24 J	1.73 JB	1.35 JB	2.82 JB	5.21 JB	1.0 J	2 J	ND	8.3 J	ND	3.2 B
Lead	**15**	ND	ND	ND	ND	ND	7.21 J	6.84 J	5.02 J	ND	ND	ND	10.00	3.4 J	10	4	6	5
Mercury	**1**	ND	ND	ND	ND	ND	0.83	0.077 J	ND	ND	ND	ND	0.12 J	ND	0.77	0.35	0.23	0.075 J
Selenium	**20**	ND	ND	ND	ND	2.2 J	1.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	2
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	ND	3.95 JB	1.18 JB	ND	ND	ND	ND	ND	ND	0.34 J
Bromoform	**4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND
Ethylbenzene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.210 J	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 JB	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	ND	0.810 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	ND	1.31 J	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **SW-1**																		
Arsenic	**10**	ND	ND	ND	ND	2.2 J	2.07 JB	2.86 J	ND	2.78 J	ND	ND	ND	0.61 J	ND	1.90	ND	1.60
Barium	**700**	ND	100	ND	ND	17.6	18.7 JB	25.5 J	30.4 JB	384 B	36.2 JB	21.1 JB	19.00	32.00	38.00	38.00	24.00	29.00
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.370 J	0.28 J	ND	0.3 J	ND	ND	ND	ND
Chromium	**10**	ND	ND	ND	ND	ND	5.76 JB	2.66 J	2.03 JB	2.09 JB	3.70 JB	2.49 JB	0.70 J	1.3 J	ND	5.00	ND	2.6 B
Lead	**15**	ND	ND	ND	ND	ND	ND	5.39 J	6.07 J	7.11 J	3.91 JB	ND	ND	ND	ND	0.27 J	ND	0.35 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	3.7 J	1.96 J	ND	ND	ND	ND	ND	ND	3.3 J	ND	4.40	3.00	3.90
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.46 JB	2.07 JB	1.38 JB	0.87 JB	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	2.51 JB	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND
Benzene	**1**	ND	ND	1.0	ND	ND	ND	ND	ND	0.260 J	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	**560**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND

Sampling Date:	2L Standard	11/9/2004	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	10/14/2008	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012
Well No: **SW-2**																		
Arsenic	**10**	ND	ND	ND	ND	2.9 J	1.70 JB	2.92 J	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Barium	**700**	ND	ND	ND	ND	21.1	31.1 JB	14.3 J	30.5 JB	55.6 JB	27.5 JB	75.1 JB	48.0	40.0	31.0	NA	25.0	30.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	1.2	0.63 J	NA	ND	0.21 J
Chromium	**10**	ND	ND	ND	ND	ND	6.09 JB	5.66	2.47 JB	2.82 JB	2.82 JB	11.6 B	1.1 J	1.8 J	ND	NA	ND	2.5 B
Lead	**15**	ND	ND	ND	ND	ND	0.350 J	ND	3.79 J	6.25 J	4.42 J	21.3	ND	1.0 J	1.0 J	NA	ND	0.45 J
Mercury	**1**	ND	ND	ND	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 J	ND	ND	NA	1.90	3.00
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	2.24 JB	3.73 JB	1.58 JB	ND	ND	ND	ND	NA	ND	ND

Notes:

Results in parts per billion (ppb)

ND - Not Detected above the laboratory method detection limit or practical quantitation limit (results prior to April 2007).

NA - Not analyzed for or not available

Values in boldface exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

Results for sampling conducted prior to April 2007 as presented in previous GW reports prepared by Withers & Ravenel.

J = Estimated value above laboratory method detection limit and below SWSL or reporting limit.

B = Analyte found in associated field and/or laboratory blank.

APPENDIX A

Groundwater Sampling Forms

Well/Piezo ID: MW-9

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Cloudy; 70's Collector(s) A Hill

Date: 10/3/12
Time: Start 0840 am/pm
Finish 0920 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☒ Piezometer ☐

a. Total Well Length 30.00 c. Casing Material PVC e. Length of Water Column 7.77 (a-b)

b. Water Table Depth 22.23 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 1.3

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ NA well volumes) N/A Pumping Rate: 100 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
0845	INT	22.03	5.40	417	6.05	22.25	clear	none	
0850	1000	22.16	4.94	320	14.2	22.25	clear	None	
0855	1500	22.27	5.07	312	11.7	22.26	clear	None	
0900	2000	22.30	5.10	312	8.14	22.26	clear	None	
0905	2500	22.34	5.13	311	6.97	22.27	clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW9	VOA	3	HCL	8260	0910
4304- MW9	500 ml PLASTIC	1	HN03	RCRA METALS	✓

Comments

Signature [signature] Date 10/3/12

Well/Piezo ID: MW-5

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Cloudy, 70's Collector(s) A Hill

Date: 10/ 3 /12
Time: Start 0930 am/pm
Finish 1010 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00 c. Casing Material PVC e. Length of Water Column 15.45 (a-b)

b. Water Table Depth 4.55 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 2.5

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ _____ well volumes) _____ N/A Pumping Rate: 100 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
0935	INI	19.67	6.15	102	21	4.58	clear	none	
0940	1000	20.07	4.92	97	18	4.58	clear	none	
0945	1500	20.16	4.87	97	17	4.58	clear	none	
0950	2000	20.19	4.84	97	9	4.58	clear	none	
0955	2500	20.20	4.83	97	7	4.58	clear	none	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW5	VOA	3	HCL/none	8260	1000
4304- MW5	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature A Hill Date 10/ 3 /12

Well/Piezo ID: MW-6

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Cloudy; 70s Collector(s) A.H.Y

Date: 10/3 /12
Time: Start 1020 am/pm
Finish 1115 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 25.00
b. Water Table Depth 6.25
c. Casing Material PVC
d. Casing Diameter 2"
e. Length of Water Column 18.75 (a-b)
f. Calculated Well Volume (see back) 3.1

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ NA well volumes) _____ N/A Pumping Rate: 100 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1025	INT	19.71	6.19	108	1000+	6.28	white	None	
1030	1000	19.98	6.18	108	472	6.28	white	None	
1040	2000	20.57	6.16	108	25	6.28	clear	None	
1050	3000	20.60	6.15	107	14	6.28	clear	None	
1055	3500	20.64	6.15	107	9	6.28	Clear	None	
1100	4000	20.68	6.15	107	7	6.28	Clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW6	VOA	3	HCL (Nal)	8260	1105
4304- "	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature [signature] Date 10/3 /12

Well/Piezo ID: MW-7

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Cloudy 70°s Collector(s) A. Hill

Date: 10/3 /12
Time: Start 1130 am/pm
Finish 1215 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00 c. Casing Material PVC e. Length of Water Column 13.70 (a-b)

b. Water Table Depth 6.30 d. Casing Diameter 2" f. Calculated Well Volume (see back) 2.2

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ NA well volumes) N/A Pumping Rate: 100 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1135	INT	20.22	6.15	79	782	6.32	white	None	
1145	1500	20.21	5.02	76	24	6.32	clear	None	
1150	2000	20.19	4.97	76	12	6.32	clear	None	
1155	2500	20.17	4.96	76	9	6.32	clear	None	
1200	3000	20.16	4.96	75	6	6.32	clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☑	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW7	VOA	3	HCL	8260	1205
4304- "	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature [signature] Date 10/ 3 /12

Well/Piezo ID: MW-2

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Cloudy; 70's Collector(s) [illegible]

Date: 10/3/12
Time: Start 1225 am/pm
Finish 1305 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00
b. Water Table Depth 5.04
c. Casing Material PVC
d. Casing Diameter 2"
e. Length of Water Column 14.96 (a-b)
f. Calculated Well Volume (see back) 2-4

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ NA well volumes) N/A Pumping Rate: 200 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1230	INT	20.61	5.85	76	35	5.08	Clear	None	
1235	2000	20.52	5.01	76	12	5.08	Clear	None	
1240	3000	20.49	4.88	76	9	5.08	Clear	None	
1245	4000	20.47	4.86	76	7	5.08	Clear	None	
1250	5000	20.45	4.85	76	6	5.08	Clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☑	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW2	VOA	3	HCL	8260	1255
4304- MW2	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature [signature] Date 10/3/12

Well/Piezo ID: MW 3

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: P. Cloudy 80's Collector(s) A. Hix

Date: 10/ 3 /12
Time: Start 1320 am/pm
Finish 1410 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00 c. Casing Material PVC e. Length of Water Column 9.78 (a-b)

b. Water Table Depth 10.22 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 1.6

WELL PURGING DATA

a. Purge Method _____ LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ _____ well volumes) _____ N/A Pumping Rate: 150 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1325	INT	19.50	5.25	94	8	12.24	clear	None	
1330	1500	19.61	4.62	94	7	12.24	clear	None	
1335	2250	19.61	4.10	94	6	12.24	clear	None	
1340	3000	19.62	4.09	94	6	12.24	clear	None	
1345	3750	19.62	4.09	94	4	12.24	clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW3	VOA	3	HCL	8260	1350
4304- MW3	500 ml PLASTIC	1	HN03	RCRA METALS	

Comments

Signature [signature] Date 10/ 3 /12

Well/Piezo ID: MW-4

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: P.Cloudy; 70's Collector(s) A.Hill

Date: 10/ 3 /12
Time: Start 1420 am/pm
Finish 1510 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00
b. Water Table Depth 4.41
c. Casing Material PVC
d. Casing Diamete r 2"
e. Length of Water Column 15.59 (a-b)
f. Calculated Well Volume (see back) 2.5

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ NA well volumes) N/A Pumping Rate: 200 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1425	INT	21.13	6.20	74	38	4.42	clear	None	
1430	2000	21.60	6.17	74	12	4.42	clear	None	
1435	3000	21.69	6.15	75	8	4.42	Clear	None	
1440	4000	21.74	6.15	75	6	4.42	Clear	none	
1445	5000	21.78	6.14	75	6	4.42	Clear	none	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304- MW4	VOA	3	HCL	8260	1450
4304- "	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature A Hill Date 10/ 3 /12

Well/Piezo ID: MW-8

Ground Water Sample Collection Record

Client: BRIAN S. BOUTIN, PG
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: P.Cloudy; 80's Collector(s) A.Hill

Date: 10/3/12
Time: Start 1520 am/pm
Finish 1600 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☐ Piezometer ☐

a. Total Well Length 20.00 c. Casing Material PVC e. Length of Water Column 13.15 (a-b)

b. Water Table Depth 6.85 d. Casing Diameter 2" f. Calculated Well Volume (see back) 2.1

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ N/A well volumes) N/A Pumping Rate: 100 ml/min.
- Maximum Allowable Turbidity N/A NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
OAKTON	PH/CON10	
HACH	2100P	

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	Odor	
1525	INT	21.96	5.72	53	69	6.87	Cloudy	None	
1530	1000	22.40	5.51	53	14	6.87	Clear	None	
1535	1500	22.51	5.42	54	10	6.87	Clear	None	
1540	2000	22.60	5.39	54	5	6.87	Clear	None	
1545	2500	22.66	5.37	55	3	6.87	Clear	None	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
4304-MW8	VOA	3	HCL	8260	1550
4304-MW8	500 ml PLASTIC	1	HN03	RCRA METALS	"

Comments

Signature [signature] Date 10/3/12

APPENDIX B

Laboratory Reports
And
Chain-of-Custody Records

Case Narrative

10/18/2012

Brian S. Boutin, PG
Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire
Project No.: 43-04
Lab Submittal Date: 10/04/2012
Prism Work Order: 2100191

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

President/Project Manager

Reviewed By

Data Qualifiers Key Reference:

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

10/18/2012

Prism Work Order: 2100191

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
4304-EB01	2100191-01	Water	10/03/12	10/04/12
4304-MW9	2100191-02	Water	10/03/12	10/04/12
4304-MW5	2100191-03	Water	10/03/12	10/04/12
4304-MW6	2100191-04	Water	10/03/12	10/04/12
4304-MW7	2100191-05	Water	10/03/12	10/04/12
4304-MW2	2100191-06	Water	10/03/12	10/04/12
4304-MW3	2100191-07	Water	10/03/12	10/04/12
4304-MW4	2100191-08	Water	10/03/12	10/04/12
4304-MW8	2100191-09	Water	10/03/12	10/04/12
4304-SW1	2100191-10	Water	10/03/12	10/04/12
4304-SW2	2100191-11	Water	10/03/12	10/04/12
4304-Trip Blank	2100191-12	Water	10/03/12	10/04/12

Samples received in good condition at 5.4 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

10/18/2012

Prism Work Order: 2100191

Prism ID	Client ID	Parameter	Method	Result		Units
2100191-01	4304-EB01	Barium	6020A	1.3	J	ug/L
2100191-01	4304-EB01	Chromium	6020A	2.9	B	ug/L
2100191-01	4304-EB01	Lead	6020A	0.20	J	ug/L
2100191-01	4304-EB01	Selenium	6020A	1.0		ug/L
2100191-01	4304-EB01	Silver	6020A	0.11	J	ug/L
2100191-02	4304-MW9	Arsenic	6020A	0.99	J	ug/L
2100191-02	4304-MW9	Barium	6020A	390		ug/L
2100191-02	4304-MW9	Cadmium	6020A	0.38	J	ug/L
2100191-02	4304-MW9	Chromium	6020A	3.2	B	ug/L
2100191-02	4304-MW9	Lead	6020A	5.3		ug/L
2100191-02	4304-MW9	Selenium	6020A	1.8		ug/L
2100191-02	4304-MW9	Silver	6020A	0.34	J	ug/L
2100191-02	4304-MW9	Mercury	7470A	0.075	J	ug/L
2100191-03	4304-MW5	Arsenic	6020A	1.1		ug/L
2100191-03	4304-MW5	Barium	6020A	33		ug/L
2100191-03	4304-MW5	Chromium	6020A	2.3	B	ug/L
2100191-03	4304-MW5	Lead	6020A	0.34	J	ug/L
2100191-03	4304-MW5	Selenium	6020A	6.8		ug/L
2100191-03	4304-MW5	Silver	6020A	0.081	J	ug/L
2100191-04	4304-MW6	Arsenic	6020A	1.7		ug/L
2100191-04	4304-MW6	Barium	6020A	22		ug/L
2100191-04	4304-MW6	Chromium	6020A	2.7	B	ug/L
2100191-04	4304-MW6	Lead	6020A	0.44	J	ug/L
2100191-04	4304-MW6	Selenium	6020A	6.0		ug/L
2100191-05	4304-MW7	Arsenic	6020A	1.4		ug/L
2100191-05	4304-MW7	Barium	6020A	59		ug/L
2100191-05	4304-MW7	Chromium	6020A	2.8	B	ug/L
2100191-05	4304-MW7	Lead	6020A	4.5		ug/L
2100191-05	4304-MW7	Selenium	6020A	4.7		ug/L
2100191-05	4304-MW7	Benzene	8260B	0.64		ug/L
2100191-06	4304-MW2	Arsenic	6020A	0.55	J	ug/L
2100191-06	4304-MW2	Barium	6020A	87		ug/L
2100191-06	4304-MW2	Cadmium	6020A	0.46	J	ug/L
2100191-06	4304-MW2	Chromium	6020A	2.3	B	ug/L
2100191-06	4304-MW2	Lead	6020A	0.73	J	ug/L
2100191-06	4304-MW2	Selenium	6020A	3.3		ug/L
2100191-07	4304-MW3	Arsenic	6020A	2.4		ug/L
2100191-07	4304-MW3	Barium	6020A	50		ug/L
2100191-07	4304-MW3	Chromium	6020A	2.3	B	ug/L
2100191-07	4304-MW3	Lead	6020A	2.7		ug/L
2100191-07	4304-MW3	Selenium	6020A	13		ug/L
2100191-07	4304-MW3	1,1-Dichloroethane	8260B	0.67		ug/L
2100191-07	4304-MW3	Benzene	8260B	0.85		ug/L
2100191-07	4304-MW3	cis-1,2-Dichloroethylene	8260B	2.2		ug/L

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Summary of Detections

10/18/2012

Prism Work Order: 2100191

Prism ID	Client ID	Parameter	Method	Result		Units
2100191-07	4304-MW3	Methyl Isobutyl Ketone	8260B	4.8	J	ug/L
2100191-07	4304-MW3	Vinyl chloride	8260B	0.59		ug/L
2100191-08	4304-MW4	Arsenic	6020A	1.2		ug/L
2100191-08	4304-MW4	Barium	6020A	16		ug/L
2100191-08	4304-MW4	Cadmium	6020A	0.26	J	ug/L
2100191-08	4304-MW4	Chromium	6020A	2.3	B	ug/L
2100191-08	4304-MW4	Lead	6020A	0.81	J	ug/L
2100191-08	4304-MW4	Selenium	6020A	3.0		ug/L
2100191-08	4304-MW4	Benzene	8260B	0.92		ug/L
2100191-08	4304-MW4	Chloroethane	8260B	1.4		ug/L
2100191-09	4304-MW8	Barium	6020A	60		ug/L
2100191-09	4304-MW8	Chromium	6020A	2.3	B	ug/L
2100191-09	4304-MW8	Lead	6020A	1.0		ug/L
2100191-09	4304-MW8	Selenium	6020A	0.70	J	ug/L
2100191-09	4304-MW8	Tetrachloroethylene	8260B	4.4		ug/L
2100191-10	4304-SW1	Arsenic	6020A	1.6		ug/L
2100191-10	4304-SW1	Barium	6020A	29		ug/L
2100191-10	4304-SW1	Chromium	6020A	2.6	B	ug/L
2100191-10	4304-SW1	Lead	6020A	0.35	J	ug/L
2100191-10	4304-SW1	Selenium	6020A	3.9		ug/L
2100191-11	4304-SW2	Barium	6020A	30		ug/L
2100191-11	4304-SW2	Cadmium	6020A	0.21	J	ug/L
2100191-11	4304-SW2	Chromium	6020A	2.5	B	ug/L
2100191-11	4304-SW2	Lead	6020A	0.45	J	ug/L
2100191-11	4304-SW2	Selenium	6020A	3.0		ug/L

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-EB01
Prism Sample ID: 2100191-01
Prism Work Order: 2100191
Time Collected: 10/03/12 08:30
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	BRL	ug/L	1.0	0.12	1	6020A	10/8/12 15:40	LTB	P2J0168
Barium	**1.3 J**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 15:40**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 15:40	LTB	P2J0168
Chromium	**2.9 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 15:40**	**LTB**	**P2J0168**
Lead	**0.20 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 15:40**	**LTB**	**P2J0168**
Selenium	**1.0**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 14:33**	**LTB**	**P2J0168**
Silver	**0.11 J**	**ug/L**	**1.0**	**0.059**	**1**	**6020A**	**10/8/12 15:40**	**LTB**	**P2J0168**
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 15:42	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 16:39	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 16:39	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 16:39	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 16:39	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 16:39	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 16:39	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:39	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 16:39	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 16:39	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 16:39	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 16:39	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:39	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 16:39	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 16:39	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 16:39	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 16:39	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 16:39	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 16:39	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:39	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 16:39	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 16:39	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 16:39	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 16:39	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 16:39	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:39	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 16:39	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-EB01
Prism Sample ID: 2100191-01
Prism Work Order: 2100191
Time Collected: 10/03/12 08:30
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 16:39	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 16:39	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 16:39	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 16:39	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 16:39	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 16:39	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 16:39	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 16:39	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 16:39	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 16:39	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 16:39	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 16:39	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 16:39	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 16:39	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 16:39	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 16:39	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 16:39	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 16:39	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 16:39	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*100 %*	*77-123*

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Laboratory Report

10/18/2012

Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW9
Prism Sample ID: 2100191-02
Prism Work Order: 2100191
Time Collected: 10/03/12 09:10
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**0.99 J**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Barium	**390**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Cadmium	**0.38 J**	**ug/L**	**1.0**	**0.20**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Chromium	**3.2 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Lead	**5.3**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Selenium	**1.8**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 14:45**	**LTB**	**P2J0168**
Silver	**0.34 J**	**ug/L**	**1.0**	**0.059**	**1**	**6020A**	**10/8/12 15:53**	**LTB**	**P2J0168**
Total Metals									
Mercury	**0.075 J**	**ug/L**	**0.20**	**0.0070**	**1**	**7470A**	**10/12/12 15:30**	**MEH**	**P2J0274**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 17:11	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 17:11	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 17:11	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 17:11	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 17:11	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 17:11	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:11	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 17:11	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 17:11	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 17:11	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 17:11	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:11	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 17:11	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 17:11	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 17:11	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 17:11	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 17:11	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 17:11	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:11	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 17:11	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 17:11	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 17:11	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 17:11	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 17:11	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:11	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 17:11	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW9
Prism Sample ID: 2100191-02
Prism Work Order: 2100191
Time Collected: 10/03/12 09:10
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 17:11	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 17:11	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 17:11	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 17:11	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 17:11	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 17:11	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 17:11	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 17:11	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 17:11	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 17:11	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 17:11	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 17:11	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 17:11	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 17:11	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 17:11	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 17:11	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 17:11	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 17:11	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 17:11	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*100 %*	*77-123*

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Laboratory Report

10/18/2012

Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW5
Prism Sample ID: 2100191-03
Prism Work Order: 2100191
Time Collected: 10/03/12 10:00
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**1.1**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 15:57**	**LTB**	**P2J0168**
Barium	**33**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 15:57**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 15:57	LTB	P2J0168
Chromium	**2.3 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 15:57**	**LTB**	**P2J0168**
Lead	**0.34 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 15:57**	**LTB**	**P2J0168**
Selenium	**6.8**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 14:50**	**LTB**	**P2J0168**
Silver	**0.081 J**	**ug/L**	**1.0**	**0.059**	**1**	**6020A**	**10/8/12 15:57**	**LTB**	**P2J0168**
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 15:46	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 17:43	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 17:43	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 17:43	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 17:43	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 17:43	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 17:43	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:43	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 17:43	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 17:43	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 17:43	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 17:43	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:43	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 17:43	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 17:43	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 17:43	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 17:43	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 17:43	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 17:43	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:43	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 17:43	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 17:43	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 17:43	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 17:43	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 17:43	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 17:43	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 17:43	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW5
Prism Sample ID: 2100191-03
Prism Work Order: 2100191
Time Collected: 10/03/12 10:00
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 17:43	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 17:43	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 17:43	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 17:43	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 17:43	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 17:43	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 17:43	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 17:43	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 17:43	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 17:43	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 17:43	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 17:43	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 17:43	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 17:43	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 17:43	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 17:43	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 17:43	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 17:43	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 17:43	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*80-124*
Dibromofluoromethane	*98 %*	*75-129*
Toluene-d8	*100 %*	*77-123*

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW6
Prism Sample ID: 2100191-04
Prism Work Order: 2100191
Time Collected: 10/03/12 11:05
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**1.7**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:01**	**LTB**	**P2J0168**
Barium	**22**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:01**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 16:01	LTB	P2J0168
Chromium	**2.7 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:01**	**LTB**	**P2J0168**
Lead	**0.44 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:01**	**LTB**	**P2J0168**
Selenium	**6.0**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 14:54**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:01	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 15:49	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 18:15	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 18:15	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 18:15	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 18:15	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 18:15	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 18:15	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:15	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 18:15	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 18:15	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 18:15	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 18:15	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:15	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 18:15	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 18:15	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 18:15	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 18:15	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 18:15	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 18:15	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:15	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 18:15	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 18:15	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 18:15	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 18:15	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 18:15	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:15	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 18:15	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW6
Prism Sample ID: 2100191-04
Prism Work Order: 2100191
Time Collected: 10/03/12 11:05
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 18:15	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 18:15	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 18:15	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 18:15	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 18:15	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 18:15	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 18:15	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 18:15	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 18:15	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 18:15	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 18:15	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 18:15	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 18:15	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 18:15	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 18:15	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 18:15	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 18:15	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 18:15	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 18:15	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW7
Prism Sample ID: 2100191-05
Prism Work Order: 2100191
Time Collected: 10/03/12 12:05
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**1.4**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:05**	**LTB**	**P2J0168**
Barium	**59**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:05**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 16:05	LTB	P2J0168
Chromium	**2.8 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:05**	**LTB**	**P2J0168**
Lead	**4.5**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:05**	**LTB**	**P2J0168**
Selenium	**4.7**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 14:58**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:05	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 15:53	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 18:47	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 18:47	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 18:47	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 18:47	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 18:47	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 18:47	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:47	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 18:47	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 18:47	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 18:47	VHL	P2J0217
Benzene	**0.64**	**ug/L**	**0.50**	**0.072**	**1**	**8260B**	**10/8/12 18:47**	**VHL**	**P2J0217**
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:47	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 18:47	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 18:47	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 18:47	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 18:47	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 18:47	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 18:47	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:47	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 18:47	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 18:47	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 18:47	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 18:47	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 18:47	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 18:47	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 18:47	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW7
Prism Sample ID: 2100191-05
Prism Work Order: 2100191
Time Collected: 10/03/12 12:05
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 18:47	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 18:47	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 18:47	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 18:47	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 18:47	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 18:47	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 18:47	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 18:47	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 18:47	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 18:47	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 18:47	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 18:47	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 18:47	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 18:47	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 18:47	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 18:47	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 18:47	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 18:47	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 18:47	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*98 %*	*77-123*

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Laboratory Report

10/18/2012

Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW2
Prism Sample ID: 2100191-06
Prism Work Order: 2100191
Time Collected: 10/03/12 12:55
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**0.55 J**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:10**	**LTB**	**P2J0168**
Barium	**87**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:10**	**LTB**	**P2J0168**
Cadmium	**0.46 J**	**ug/L**	**1.0**	**0.20**	**1**	**6020A**	**10/8/12 16:10**	**LTB**	**P2J0168**
Chromium	**2.3 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:10**	**LTB**	**P2J0168**
Lead	**0.73 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:10**	**LTB**	**P2J0168**
Selenium	**3.3**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:02**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:10	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 15:57	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 19:18	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 19:18	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 19:18	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 19:18	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 19:18	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 19:18	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:18	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 19:18	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 19:18	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 19:18	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 19:18	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:18	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 19:18	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 19:18	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 19:18	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 19:18	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 19:18	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 19:18	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:18	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 19:18	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 19:18	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 19:18	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 19:18	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 19:18	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:18	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 19:18	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW2
Prism Sample ID: 2100191-06
Prism Work Order: 2100191
Time Collected: 10/03/12 12:55
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 19:18	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 19:18	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 19:18	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 19:18	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 19:18	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 19:18	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 19:18	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 19:18	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 19:18	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 19:18	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 19:18	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 19:18	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 19:18	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 19:18	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 19:18	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 19:18	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 19:18	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 19:18	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 19:18	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW3
Prism Sample ID: 2100191-07
Prism Work Order: 2100191
Time Collected: 10/03/12 13:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**2.4**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:22**	**LTB**	**P2J0168**
Barium	**50**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:22**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 16:22	LTB	P2J0168
Chromium	**2.3 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:22**	**LTB**	**P2J0168**
Lead	**2.7**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:22**	**LTB**	**P2J0168**
Selenium	**13**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:13**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:22	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 16:08	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 19:50	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 19:50	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 19:50	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 19:50	VHL	P2J0217
1,1-Dichloroethane	**0.67**	**ug/L**	**0.50**	**0.096**	**1**	**8260B**	**10/8/12 19:50**	**VHL**	**P2J0217**
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 19:50	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:50	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 19:50	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 19:50	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 19:50	VHL	P2J0217
Benzene	**0.85**	**ug/L**	**0.50**	**0.072**	**1**	**8260B**	**10/8/12 19:50**	**VHL**	**P2J0217**
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:50	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 19:50	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 19:50	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 19:50	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 19:50	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 19:50	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 19:50	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:50	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 19:50	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 19:50	VHL	P2J0217
cis-1,2-Dichloroethylene	**2.2**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**10/8/12 19:50**	**VHL**	**P2J0217**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 19:50	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 19:50	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 19:50	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 19:50	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW3
Prism Sample ID: 2100191-07
Prism Work Order: 2100191
Time Collected: 10/03/12 13:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 19:50	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 19:50	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 19:50	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 19:50	VHL	P2J0217
Methyl Isobutyl Ketone	**4.8 J**	**ug/L**	**5.0**	**0.12**	**1**	**8260B**	**10/8/12 19:50**	**VHL**	**P2J0217**
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 19:50	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 19:50	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 19:50	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 19:50	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 19:50	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 19:50	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 19:50	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 19:50	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 19:50	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 19:50	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 19:50	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 19:50	VHL	P2J0217
Vinyl chloride	**0.59**	**ug/L**	**0.50**	**0.16**	**1**	**8260B**	**10/8/12 19:50**	**VHL**	**P2J0217**
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 19:50	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW4
Prism Sample ID: 2100191-08
Prism Work Order: 2100191
Time Collected: 10/03/12 14:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**1.2**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:26**	**LTB**	**P2J0168**
Barium	**16**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:26**	**LTB**	**P2J0168**
Cadmium	**0.26 J**	**ug/L**	**1.0**	**0.20**	**1**	**6020A**	**10/8/12 16:26**	**LTB**	**P2J0168**
Chromium	**2.3 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:26**	**LTB**	**P2J0168**
Lead	**0.81 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:26**	**LTB**	**P2J0168**
Selenium	**3.0**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:17**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:26	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 16:12	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 20:22	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 20:22	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 20:22	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 20:22	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 20:22	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 20:22	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:22	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 20:22	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 20:22	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 20:22	VHL	P2J0217
Benzene	**0.92**	**ug/L**	**0.50**	**0.072**	**1**	**8260B**	**10/8/12 20:22**	**VHL**	**P2J0217**
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:22	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 20:22	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 20:22	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 20:22	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 20:22	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 20:22	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 20:22	VHL	P2J0217
Chloroethane	**1.4**	**ug/L**	**0.50**	**0.13**	**1**	**8260B**	**10/8/12 20:22**	**VHL**	**P2J0217**
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 20:22	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 20:22	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 20:22	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 20:22	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 20:22	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:22	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 20:22	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW4
Prism Sample ID: 2100191-08
Prism Work Order: 2100191
Time Collected: 10/03/12 14:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 20:22	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 20:22	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 20:22	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 20:22	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 20:22	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 20:22	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 20:22	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 20:22	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 20:22	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 20:22	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 20:22	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 20:22	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 20:22	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 20:22	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 20:22	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 20:22	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 20:22	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 20:22	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 20:22	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW8
Prism Sample ID: 2100191-09
Prism Work Order: 2100191
Time Collected: 10/03/12 15:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	BRL	ug/L	1.0	0.12	1	6020A	10/8/12 16:30	LTB	P2J0168
Barium	**60**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:30**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 16:30	LTB	P2J0168
Chromium	**2.3 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:30**	**LTB**	**P2J0168**
Lead	**1.0**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:30**	**LTB**	**P2J0168**
Selenium	**0.70 J**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:21**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:30	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 16:16	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 20:54	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 20:54	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 20:54	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 20:54	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 20:54	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 20:54	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:54	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 20:54	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 20:54	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 20:54	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 20:54	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:54	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 20:54	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 20:54	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 20:54	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 20:54	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 20:54	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 20:54	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:54	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 20:54	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 20:54	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 20:54	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 20:54	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 20:54	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 20:54	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 20:54	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-MW8
Prism Sample ID: 2100191-09
Prism Work Order: 2100191
Time Collected: 10/03/12 15:50
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 20:54	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 20:54	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 20:54	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 20:54	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 20:54	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 20:54	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 20:54	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 20:54	VHL	P2J0217
Tetrachloroethylene	**4.4**	**ug/L**	**0.50**	**0.069**	**1**	**8260B**	**10/8/12 20:54**	**VHL**	**P2J0217**
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 20:54	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 20:54	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 20:54	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 20:54	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 20:54	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 20:54	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 20:54	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 20:54	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 20:54	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 20:54	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*100 %*	*77-123*

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Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-SW1
Prism Sample ID: 2100191-10
Prism Work Order: 2100191
Time Collected: 10/03/12 11:20
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	**1.6**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:34**	**LTB**	**P2J0168**
Barium	**29**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:34**	**LTB**	**P2J0168**
Cadmium	BRL	ug/L	1.0	0.20	1	6020A	10/8/12 16:34	LTB	P2J0168
Chromium	**2.6 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:34**	**LTB**	**P2J0168**
Lead	**0.35 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:34**	**LTB**	**P2J0168**
Selenium	**3.9**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:25**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:34	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 16:20	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 21:26	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 21:26	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 21:26	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 21:26	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 21:26	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 21:26	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:26	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 21:26	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 21:26	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 21:26	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 21:26	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:26	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 21:26	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 21:26	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 21:26	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 21:26	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 21:26	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 21:26	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:26	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 21:26	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 21:26	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 21:26	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 21:26	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 21:26	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:26	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 21:26	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-SW1
Prism Sample ID: 2100191-10
Prism Work Order: 2100191
Time Collected: 10/03/12 11:20
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 21:26	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 21:26	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 21:26	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 21:26	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 21:26	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 21:26	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 21:26	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 21:26	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 21:26	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 21:26	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 21:26	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 21:26	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 21:26	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 21:26	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 21:26	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 21:26	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 21:26	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 21:26	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 21:26	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-SW2
Prism Sample ID: 2100191-11
Prism Work Order: 2100191
Time Collected: 10/03/12 13:10
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
3030C Metals									
Arsenic	BRL	ug/L	1.0	0.12	1	6020A	10/8/12 16:38	LTB	P2J0168
Barium	**30**	**ug/L**	**5.0**	**0.19**	**1**	**6020A**	**10/8/12 16:38**	**LTB**	**P2J0168**
Cadmium	**0.21 J**	**ug/L**	**1.0**	**0.20**	**1**	**6020A**	**10/8/12 16:38**	**LTB**	**P2J0168**
Chromium	**2.5 B**	**ug/L**	**1.0**	**0.12**	**1**	**6020A**	**10/8/12 16:38**	**LTB**	**P2J0168**
Lead	**0.45 J**	**ug/L**	**1.0**	**0.13**	**1**	**6020A**	**10/8/12 16:38**	**LTB**	**P2J0168**
Selenium	**3.0**	**ug/L**	**1.0**	**0.44**	**1**	**6020A**	**10/11/12 15:29**	**LTB**	**P2J0168**
Silver	BRL	ug/L	1.0	0.059	1	6020A	10/8/12 16:38	LTB	P2J0168
Total Metals									
Mercury	BRL	ug/L	0.20	0.0070	1	7470A	10/12/12 16:24	MEH	P2J0274
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 21:58	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 21:58	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 21:58	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 21:58	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 21:58	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 21:58	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:58	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 21:58	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 21:58	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 21:58	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 21:58	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:58	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 21:58	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 21:58	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 21:58	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 21:58	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 21:58	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 21:58	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:58	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 21:58	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 21:58	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 21:58	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 21:58	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 21:58	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 21:58	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 21:58	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-SW2
Prism Sample ID: 2100191-11
Prism Work Order: 2100191
Time Collected: 10/03/12 13:10
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 21:58	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 21:58	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 21:58	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 21:58	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 21:58	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 21:58	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 21:58	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 21:58	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 21:58	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 21:58	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 21:58	VHL	P2J0217
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 21:58	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 21:58	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 21:58	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 21:58	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 21:58	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 21:58	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 21:58	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 21:58	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-Trip Blank
Prism Sample ID: 2100191-12
Prism Work Order: 2100191
Time Collected: 10/03/12 00:00
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.15	1	8260B	10/8/12 16:07	VHL	P2J0217
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.063	1	8260B	10/8/12 16:07	VHL	P2J0217
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.071	1	8260B	10/8/12 16:07	VHL	P2J0217
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.17	1	8260B	10/8/12 16:07	VHL	P2J0217
1,1-Dichloroethane	BRL	ug/L	0.50	0.096	1	8260B	10/8/12 16:07	VHL	P2J0217
1,1-Dichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2-Dibromoethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2-Dichloroethane	BRL	ug/L	0.50	0.14	1	8260B	10/8/12 16:07	VHL	P2J0217
1,2-Dichloropropane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:07	VHL	P2J0217
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.068	1	8260B	10/8/12 16:07	VHL	P2J0217
Acetone	BRL	ug/L	5.0	0.62	1	8260B	10/8/12 16:07	VHL	P2J0217
Acrylonitrile	BRL	ug/L	20	0.86	1	8260B	10/8/12 16:07	VHL	P2J0217
Benzene	BRL	ug/L	0.50	0.072	1	8260B	10/8/12 16:07	VHL	P2J0217
Bromochloromethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:07	VHL	P2J0217
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	10/8/12 16:07	VHL	P2J0217
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	10/8/12 16:07	VHL	P2J0217
Bromomethane	BRL	ug/L	1.0	0.47	1	8260B	10/8/12 16:07	VHL	P2J0217
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	10/8/12 16:07	VHL	P2J0217
Carbon Tetrachloride	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 16:07	VHL	P2J0217
Chlorobenzene	BRL	ug/L	0.50	0.061	1	8260B	10/8/12 16:07	VHL	P2J0217
Chloroethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:07	VHL	P2J0217
Chloroform	BRL	ug/L	0.50	0.089	1	8260B	10/8/12 16:07	VHL	P2J0217
Chloromethane	BRL	ug/L	0.50	0.11	1	8260B	10/8/12 16:07	VHL	P2J0217
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.076	1	8260B	10/8/12 16:07	VHL	P2J0217
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.10	1	8260B	10/8/12 16:07	VHL	P2J0217
Dibromochloromethane	BRL	ug/L	0.50	0.30	1	8260B	10/8/12 16:07	VHL	P2J0217
Dibromomethane	BRL	ug/L	0.50	0.13	1	8260B	10/8/12 16:07	VHL	P2J0217
Ethylbenzene	BRL	ug/L	0.50	0.067	1	8260B	10/8/12 16:07	VHL	P2J0217
m,p-Xylenes	BRL	ug/L	1.0	0.081	1	8260B	10/8/12 16:07	VHL	P2J0217
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	10/8/12 16:07	VHL	P2J0217
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	10/8/12 16:07	VHL	P2J0217
Methyl Iodide	BRL	ug/L	5.0	0.45	1	8260B	10/8/12 16:07	VHL	P2J0217
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	10/8/12 16:07	VHL	P2J0217
Methylene Chloride	BRL	ug/L	1.0	0.44	1	8260B	10/8/12 16:07	VHL	P2J0217
o-Xylene	BRL	ug/L	0.50	0.046	1	8260B	10/8/12 16:07	VHL	P2J0217
Styrene	BRL	ug/L	0.50	0.047	1	8260B	10/8/12 16:07	VHL	P2J0217
Tetrachloroethylene	BRL	ug/L	0.50	0.069	1	8260B	10/8/12 16:07	VHL	P2J0217
Tetrahydrofuran	BRL	ug/L	10	1.5	1	8260B	10/8/12 16:07	VHL	P2J0217
Toluene	BRL	ug/L	0.50	0.042	1	8260B	10/8/12 16:07	VHL	P2J0217

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No.: 43-04
Sample Matrix: Water

Client Sample ID: 4304-Trip Blank
Prism Sample ID: 2100191-12
Prism Work Order: 2100191
Time Collected: 10/03/12 00:00
Time Submitted: 10/04/12 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.12	1	8260B	10/8/12 16:07	VHL	P2J0217
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.043	1	8260B	10/8/12 16:07	VHL	P2J0217
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.51	1	8260B	10/8/12 16:07	VHL	P2J0217
Trichloroethylene	BRL	ug/L	0.50	0.054	1	8260B	10/8/12 16:07	VHL	P2J0217
Trichlorofluoromethane	BRL	ug/L	0.50	0.088	1	8260B	10/8/12 16:07	VHL	P2J0217
Vinyl acetate	BRL	ug/L	2.0	0.10	1	8260B	10/8/12 16:07	VHL	P2J0217
Vinyl chloride	BRL	ug/L	0.50	0.16	1	8260B	10/8/12 16:07	VHL	P2J0217
Xylenes, total	BRL	ug/L	3.0	0.13	1	8260B	10/8/12 16:07	VHL	P2J0217

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*80-124*
Dibromofluoromethane	*98 %*	*75-129*
Toluene-d8	*98 %*	*77-123*

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 2100191
Time Submitted: 10/4/2012 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0217 - 5030B										
Blank (P2J0217-BLK1)				Prepared & Analyzed: 10/08/12						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Ethylbenzene	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Iodide	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
o-Xylene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Tetrahydrofuran	BRL	10	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
trans-1,4-Dichloro-2-butene	BRL	10	ug/L							
Trichloroethylene	BRL	0.50	ug/L							

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Brian S. Boutin, PG
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11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 2100191
Time Submitted: 10/4/2012 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0217 - 5030B										
Blank (P2J0217-BLK1)				Prepared & Analyzed: 10/08/12						
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/L*	*25.00*		*104*	*80-124*			
Surrogate: Dibromofluoromethane	*24.5*		*ug/L*	*25.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*24.8*		*ug/L*	*25.00*		*99*	*77-123*			
LCS (P2J0217-BS1)				Prepared & Analyzed: 10/08/12						
1,1-Dichloroethylene	18.0	0.50	ug/L	20.00		90	70-154			
Benzene	20.9	0.50	ug/L	20.00		104	77-128			
Chlorobenzene	20.0	0.50	ug/L	20.00		100	78-119			
Tetrahydrofuran	18.2	10	ug/L	20.00		91	70-130			
Toluene	20.4	0.50	ug/L	20.00		102	76-131			
Trichloroethylene	19.8	0.50	ug/L	20.00		99	77-133			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/L*	*25.00*		*100*	*80-124*			
Surrogate: Dibromofluoromethane	*25.1*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*24.6*		*ug/L*	*25.00*		*98*	*77-123*			
LCS Dup (P2J0217-BSD1)				Prepared & Analyzed: 10/08/12						
1,1-Dichloroethylene	21.0	0.50	ug/L	20.00		105	70-154	16	200	
Benzene	21.4	0.50	ug/L	20.00		107	77-128	3	200	
Chlorobenzene	20.4	0.50	ug/L	20.00		102	78-119	2	200	
Tetrahydrofuran	19.9	10	ug/L	20.00		100	70-130	9	200	
Toluene	21.4	0.50	ug/L	20.00		107	76-131	5	200	
Trichloroethylene	20.7	0.50	ug/L	20.00		103	77-133	5	200	
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/L*	*25.00*		*98*	*80-124*			
Surrogate: Dibromofluoromethane	*25.3*		*ug/L*	*25.00*		*101*	*75-129*			
Surrogate: Toluene-d8	*24.4*		*ug/L*	*25.00*		*98*	*77-123*			

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 2100191
Time Submitted: 10/4/2012 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0217 - 5030B										
Matrix Spike (P2J0217-MS1)		**Source: 2100191-02**		Prepared: 10/08/12		Analyzed: 10/09/12				
1,1-Dichloroethylene	219	5.0	ug/L	200.0	BRL	110	65-162			
Benzene	209	5.0	ug/L	200.0	BRL	104	73-131			
Chlorobenzene	198	5.0	ug/L	200.0	BRL	99	76-119			
Tetrahydrofuran	200	100	ug/L	200.0	BRL	100	70-130			
Toluene	206	5.0	ug/L	200.0	BRL	103	72-135			
Trichloroethylene	198	5.0	ug/L	200.0	BRL	99	72-133			
Surrogate: 4-Bromofluorobenzene	*240*		*ug/L*	*250.0*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*259*		*ug/L*	*250.0*		*104*	*75-129*			
Surrogate: Toluene-d8	*244*		*ug/L*	*250.0*		*98*	*77-123*			
Matrix Spike Dup (P2J0217-MSD1)		**Source: 2100191-02**		Prepared: 10/08/12		Analyzed: 10/09/12				
1,1-Dichloroethylene	238	5.0	ug/L	200.0	BRL	119	65-162	8	20	
Benzene	219	5.0	ug/L	200.0	BRL	110	73-131	5	17	
Chlorobenzene	203	5.0	ug/L	200.0	BRL	101	76-119	2	20	
Tetrahydrofuran	195	100	ug/L	200.0	BRL	97	70-130	3	20	
Toluene	215	5.0	ug/L	200.0	BRL	107	72-135	4	18	
Trichloroethylene	209	5.0	ug/L	200.0	BRL	104	72-133	5	17	
Surrogate: 4-Bromofluorobenzene	*247*		*ug/L*	*250.0*		*99*	*80-124*			
Surrogate: Dibromofluoromethane	*255*		*ug/L*	*250.0*		*102*	*75-129*			
Surrogate: Toluene-d8	*242*		*ug/L*	*250.0*		*97*	*77-123*			

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 2100191
Time Submitted: 10/4/2012 4:45:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0274 - 7470A										
Blank (P2J0274-BLK1)				Prepared: 10/11/12		Analyzed: 10/12/12				
Mercury	BRL	0.20	ug/L							
LCS (P2J0274-BS1)				Prepared: 10/11/12		Analyzed: 10/12/12				
Mercury	9.48	0.20	ug/L	9.375		101	80-120			
Matrix Spike (P2J0274-MS1)		**Source: 2100191-02**		Prepared: 10/11/12		Analyzed: 10/12/12				
Mercury	8.88	0.20	ug/L	9.375	0.0745	94	80-120			
Matrix Spike Dup (P2J0274-MSD1)		**Source: 2100191-02**		Prepared: 10/11/12		Analyzed: 10/12/12				
Mercury	9.20	0.20	ug/L	9.375	0.0745	97	80-120	3	20	

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Brian S. Boutin, PG
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 2100191
Time Submitted: 10/4/2012 4:45:00PM

3030C Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0168 - SM3030 C										
Blank (P2J0168-BLK1)				Prepared: 10/05/12		Analyzed: 10/08/12				
Arsenic	BRL	1.0	ug/L							
Barium	BRL	5.0	ug/L							
Cadmium	BRL	1.0	ug/L							
Chromium	2.27	1.0	ug/L							B
Lead	BRL	1.0	ug/L							
Selenium	BRL	1.0	ug/L							
Silver	BRL	1.0	ug/L							
LCS (P2J0168-BS1)				Prepared: 10/05/12		Analyzed: 10/08/12				
Arsenic	257	1.0	ug/L	250.0		103	80-120			
Barium	242	5.0	ug/L	250.0		97	80-120			
Cadmium	255	1.0	ug/L	250.0		102	80-120			
Chromium	255	1.0	ug/L	250.0		102	80-120			B
Lead	241	1.0	ug/L	250.0		97	80-120			
Selenium	264	1.0	ug/L	250.0		106	80-120			
Silver	245	1.0	ug/L	250.0		98	80-120			
Matrix Spike (P2J0168-MS1)		**Source: 2100191-01**		Prepared: 10/05/12		Analyzed: 10/08/12				
Arsenic	259	1.0	ug/L	250.0	BRL	104	75-125			
Barium	256	5.0	ug/L	250.0	1.33	102	75-125			
Cadmium	254	1.0	ug/L	250.0	BRL	101	75-125			
Chromium	259	1.0	ug/L	250.0	2.86	102	75-125			B
Lead	250	1.0	ug/L	250.0	0.198	100	75-125			
Selenium	257	1.0	ug/L	250.0	1.03	102	75-125			
Silver	250	1.0	ug/L	250.0	0.107	100	75-125			
Matrix Spike Dup (P2J0168-MSD1)		**Source: 2100191-01**		Prepared: 10/05/12		Analyzed: 10/08/12				
Arsenic	258	1.0	ug/L	250.0	BRL	103	75-125	0.3	20	
Barium	248	5.0	ug/L	250.0	1.33	99	75-125	3	20	
Cadmium	255	1.0	ug/L	250.0	BRL	102	75-125	0.8	20	
Chromium	262	1.0	ug/L	250.0	2.86	103	75-125	1	20	B
Lead	252	1.0	ug/L	250.0	0.198	101	75-125	0.9	20	
Selenium	261	1.0	ug/L	250.0	1.03	104	75-125	1	20	
Silver	250	1.0	ug/L	250.0	0.107	100	75-125	0.2	20	

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Sample Extraction Data

Prep Method: SM3030 C

Lab Number	Batch	Initial	Final	Date/Time
2100191-01	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-01	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-02	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-02	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-03	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-03	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-04	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-04	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-05	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-05	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-06	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-06	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-07	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-07	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-08	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-08	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-09	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-09	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-10	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-10	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-11	P2J0168	50 mL	50 mL	10/05/12 11:30
2100191-11	P2J0168	50 mL	50 mL	10/05/12 11:30

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date/Time
2100191-01	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-02	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-03	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-04	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-05	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-06	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-07	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-08	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-09	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-10	P2J0274	20 mL	30 mL	10/11/12 13:15
2100191-11	P2J0274	20 mL	30 mL	10/11/12 13:15

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
2100191-01	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-02	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-03	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-04	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-05	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-06	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-07	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-08	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-09	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-10	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-11	P2J0217	10 mL	10 mL	10/08/12 9:26
2100191-12	P2J0217	10 mL	10 mL	10/08/12 9:26

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Client Company Name: BSB, PG
Report To/Contact Name: Brian Boulton
Reporting Address: 11114 Branding Iron Place
Wendell, NC
Phone: 919-366-3663 Fax (Yes) (No): _____
Email (Yes) (No) Email Address _____
EDD Type: PDF X Excel ___ Other _____
Site Location Name: CC Tire, LF
Site Location Physical Address: Harnett Co.
Permit # 43-04

Project Name: CC Tire LF
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: BSB, PG
Address: Same

Purchase Order No./Billing Reference _____
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 5.4	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ USACE ___ FL ___ NC X
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED: App IV VOCs	RCRA metals	8260C				REMARKS	PRISM LAB ID NO.
4304-EB01	10/3/12	0830	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø1
4304-MW9	10/3/12	0910	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø2
4304-MW5	10/3/12	1000	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø3
4304-MW6	10/3/12	1105	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø4
4304-MW7	10/3/12	1205	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø5
4304-MW2	10/3/12	1255	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø6
4304-MW3	10/3/12	1350	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø7
4304-MW4	10/3/12	1450	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø8
4304-MW8	10/3/12	1550	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						Ø9
4304-SW1	10/3/12	1120	WT	voa/P	4/1	40ml/250ml	None HCL/HNO3	4	1						1Ø

Sampler's Signature [signature] Sampled By (Print Name) Aaron Hill Affiliation EFM

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	10/4/12	1305
Relinquished By: (Signature) [signature] 10-4-12 1645	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	Date 10/4/12	1645

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other _____
COC Group No. 21ØØ191

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC

CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

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PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Client Company Name: BSB, PG
Report To/Contact Name: Brian Boutin
Reporting Address: 11114 Brandy Iron Place Wendell NC
Phone: 919-366-3663 Fax (Yes) (No): _____
Email (Yes) (No) Email Address _____
EDD Type: PDF X Excel ___ Other _____
Site Location Name: CC Tire LF
Site Location Physical Address: Harnett Co. Permit # 43-04

Project Name: CC Tire LF
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: BSB, PG.
Address: Same

Purchase Order No./Billing Reference _____
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved
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(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 5.4	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ USACE ___ FL ___ NC X
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	App IV VOCs	RCRA metals 3030C					REMARKS	PRISM LAB ID NO.
4304-SW2	10/3/12	1310	WT	VOA/P	4/1	40 ml/250 ml	None HCL/HNO3	4	1						11
4304-TRIPBLANK	10/3/12	—	WT/DI	VOA	2	40ml	HCL	2							12

Sampler's Signature [signature] Sampled By (Print Name) Aaron Hill Affiliation EFM

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	10/4/12	1305
Relinquished By: (Signature) [signature] 10-4-12 1645	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	Date 10/4/12	1645

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other _____

COC Group No. 210191

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

PDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC

CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

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