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: nautilusgeocon@gmail.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Central Carolina Tire Monofill Landfill Phase I/II (Closed)	1616 McKoy Town Rd. Cameron, Harnett County, NC	43-04	.0500	April 8, 2015

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 — Consultant for Facility — 919-366-3663 (office); 919-995-0363 (cell)

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

Signature — May 26, 2015 — Date — Affix NC Licensed/ Professional Geologist Seal

11112 Branding Iron Place, Wendell, NC 27591

Facility Representative Address

NORTH CAROLINA LICENSED SEAL 1208 GEOLOGIST BRIAN S. BOUTIN

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

Revised 6/2009

Explanatory Text for Notification Table
Central Carolina Tire Monofill Landfill Phase I/II
Cameron, Harnett, NC
Permit # 43-04
April 8, 2015 Water Quality Monitoring

The results of the April 8, 2015 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 exceeds 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, as well as Phase 2, 3 and 4 site assessments conducted in April and May 2012, April 2013, and August 2014, respectively, 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*, the results of the second phase of assessment are reported in the June 2012 *Phase 2 Hydrogeologic and Groundwater Quality Assessment Report*, the results of the third phase of assessment are reported in the May 2013 *Phase 3 Hydrogeologic and Groundwater Quality Assessment Report*, and the results of the Phase 4 site assessment are reported in the October 2014 *Phase 4 Hydrogeologic and Groundwater Quality Assessment Report*, all of which were previously submitted to the NCDENR Solid Waste Section.

11112 BRANDING IRON PLACE, WENDELL, NC 27591
919-366-3663 Office ● 919-995-0363 Cell ● nautilusgeocon@gmail.com

May 26, 2015

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: April 2015
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 April 8, 2015. 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 April 8, 2015 as part of the site monitoring. Depths to groundwater were measured using an electronic water level 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 groundwater measurements were made after the wells were opened for a sufficient period of time to allow water levels to equilibrate with atmospheric pressure. The locations of the site monitoring wells are depicted in **Figure 2**.

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Groundwater elevation data collected at the monitoring wells on April 8, 2015 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 2.98 feet at MW-2 to 17.31 feet at MW-9, which is consistent with the surface topography.

A water-table elevation contour map that was developed based on the April 8, 2015 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 0.037 ft/ft in west-southwest portion of the site to approximately 0.017 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 April 8, 2015 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 up gradient 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 to moderately acidic based on the pH values measured in the field (4.54 to 5.92). Specific conductance values ranged from 45 (MW-8) to 543 (MW-9) µS/cm. Turbidity values ranged from 1.78 (MW-9) to 50.4 (MW-6) nephelometric turbidity units (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 April 8, 2015 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 barium and chromium were reported in both surface water samples, and a low level of lead was reported in sample SW-1. No other RCRA metals were detected in either sample. It is noted that the reported concentrations of barium, chromium, and lead in the surface water samples do not 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 April 8, 2015 indicate that trace levels of benzene (0.69 µg/L) and chloroethane (1.2 µg/L) were reported in the groundwater sample collected from MW-4, both of which are below the corresponding 15A NCAC 2L .0202 groundwater quality standards. Cis-1,2-dichloroethene was reported at a low concentration of 1.2 µg/L in the groundwater sample collected from MW-8, which is below the 15A NCAC 2L .0202 groundwater quality standard of 60 µg/L for the total

cis and trans isomers of dichloroethene. In addition, tetrachloroethene (PCE) was reported at a concentration of 8.2 µg/L in the groundwater sample collected 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, as well as Phase 2, 3 and 4 site assessments conducted in April and May 2012, April 2013, and August 2014, respectively, 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 north of MW-8.

The results of the metals analyses of the groundwater samples indicate that arsenic was reported in two of the samples, barium was reported in all of the samples, cadmium and selenium were reported in four samples, chromium and lead were reported in seven samples, mercury was reported in one sample, and silver was not reported in any of the groundwater samples. None of the reported concentrations of the metals detected in the groundwater samples exceed the corresponding 15A NCAC 2L .0202 groundwater quality standards.

3.0 CONCLUSIONS AND RECOMMENDATIONS

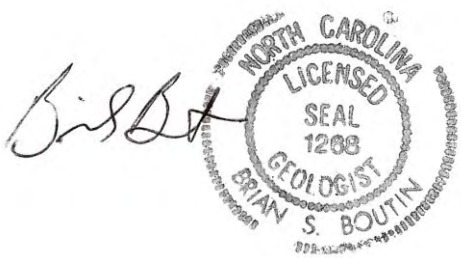
The results of the April 8, 2015 groundwater and surface water quality monitoring conducted at the Central Carolina Tire Monofill Landfill Phase I/II are generally consistent with the results of previous monitoring conducted at the site. No RCRA metals were reported in any of the groundwater or surface 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 exceeds 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, as well as Phase 2, 3 and 4 site assessments conducted in April and May 2012, April 2013, and August 2014, respectively, 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*, the results of the second phase of assessment are reported in the June 2012 *Phase 2 Hydrogeologic and Groundwater Quality Assessment Report*, the results of the third phase of assessment are reported in the May 2013 *Phase 3 Hydrogeologic and Groundwater*

Quality Assessment Report, and the results of the Phase 4 site assessment are reported in the October 2014 *Phase 4 Hydrogeologic and Groundwater Quality Assessment Report*, all of which were previously submitted to the NCDENR Solid Waste Section.

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 October 2015.

Sincerely,



Brian S. Boutin, P.G.
Consulting Geologist

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

11112 BRANDING IRON PLACE, WENDELL, NC 27591
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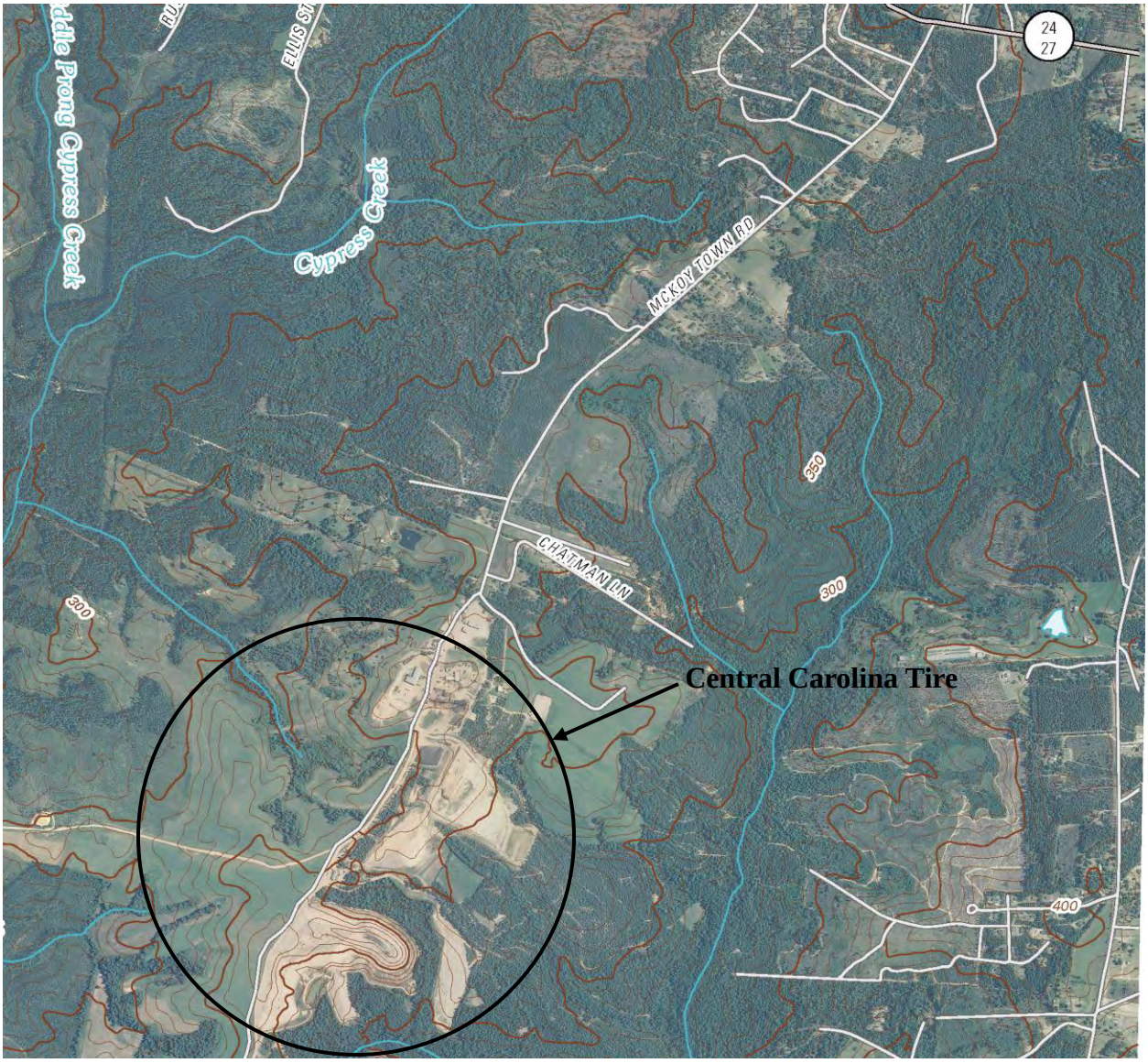


N

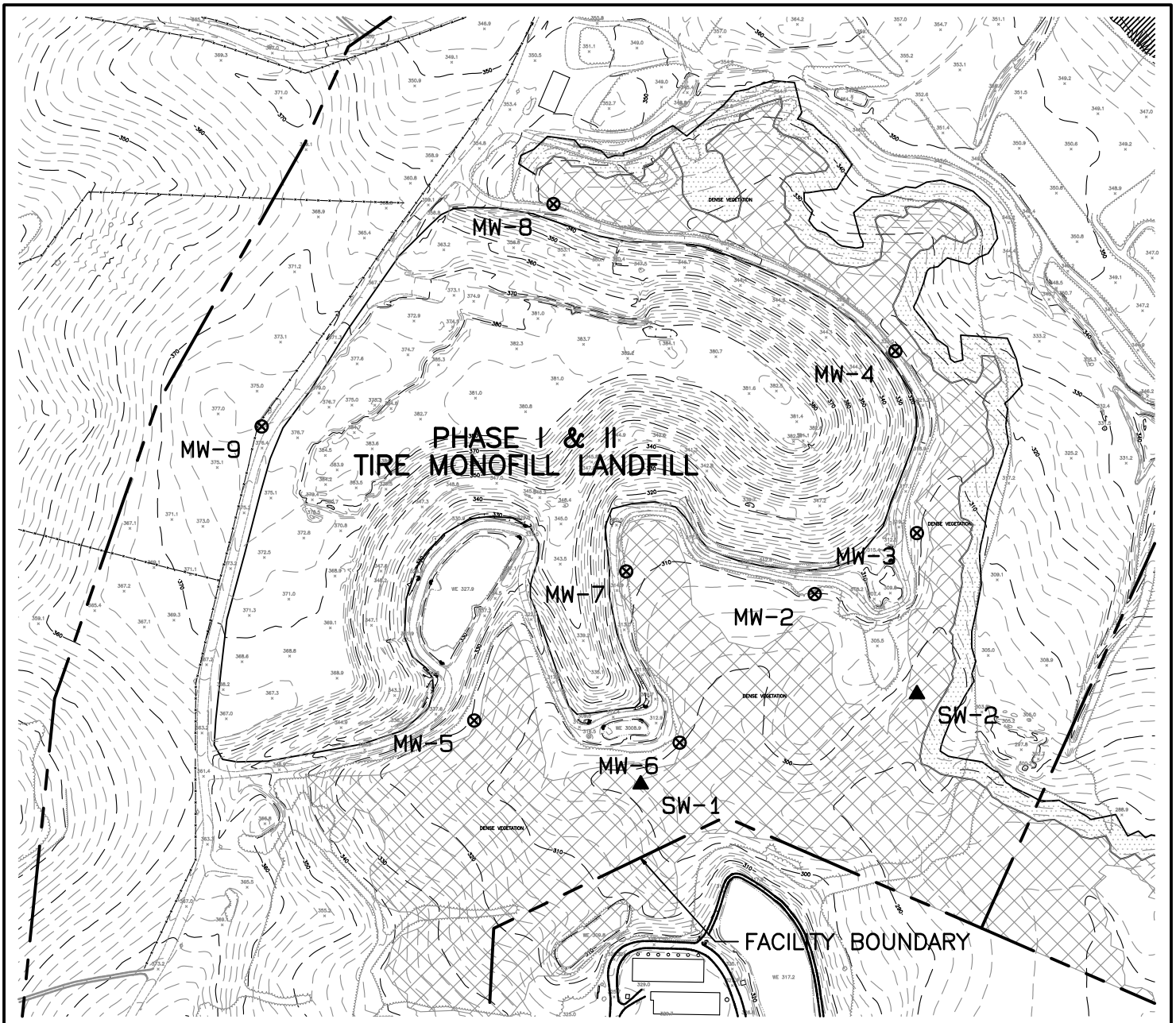
Source: USGS 7.5' Topographic Quadrangle Series
Murchisontown, NC 2010

Nautilus Geologic Consulting, PLLC
11112 Branding Iron Place
Wendell, NC 27591
Office: (919) 366-3663
Cell: (919) 995-0363

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

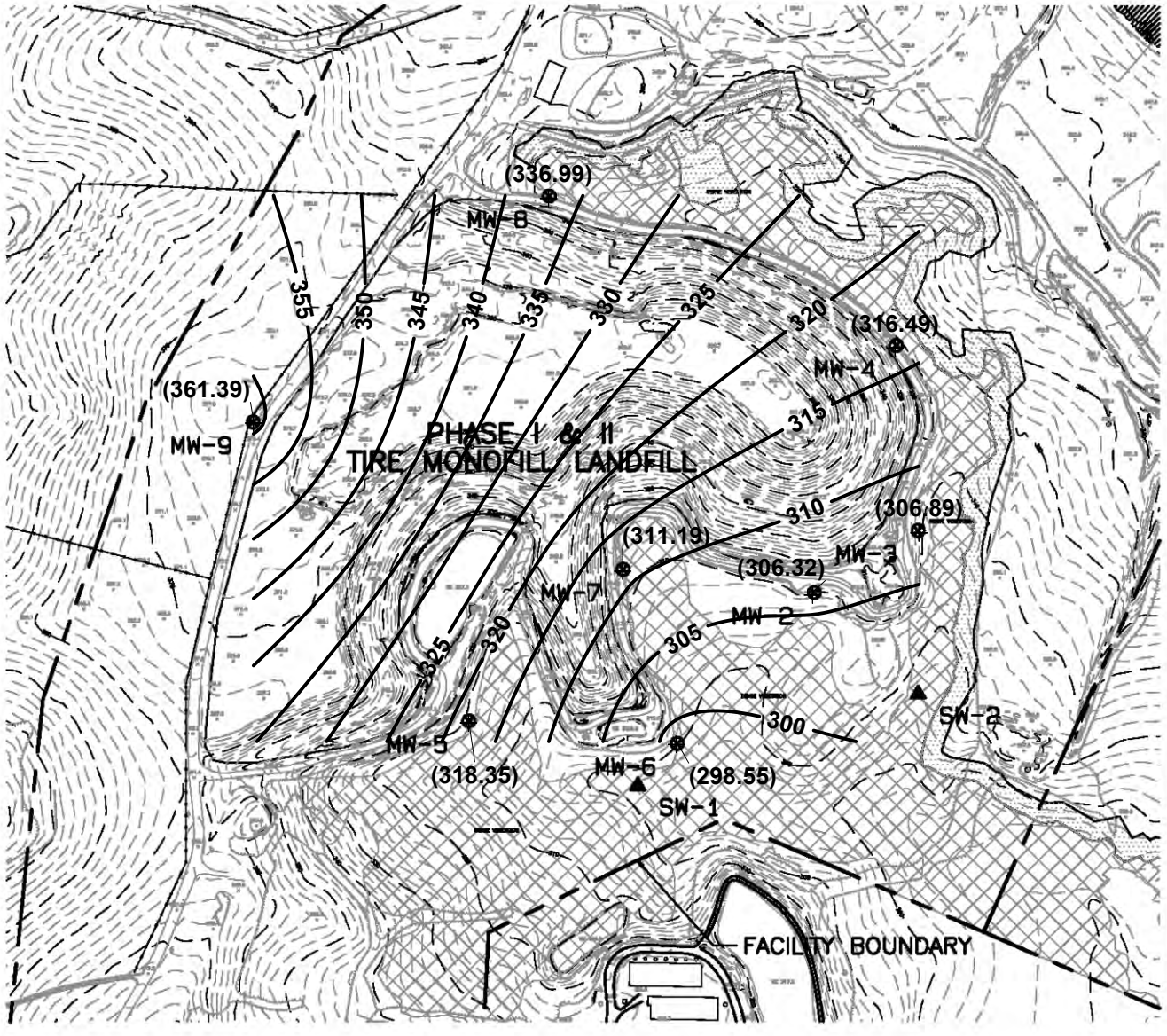
Nautilus Geologic Consulting, PLLC

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
April 8, 2015

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
April 2015 Sampling Event
April 8, 2015
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°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-2	20.0	2.0	309.30	2.98	306.32	18.1	5.08	66	8.26
MW-3	20.0	2.0	315.20	8.31	306.89	23.4	5.45	86	8.14
MW-4	20.0	2.0	320.80	4.31	316.49	16.8	5.70	91	8.29
MW-5	20.0	2.0	322.40	4.05	318.35	16.9	5.54	70	4.42
MW-6	25.0	2.0	305.10	6.55	298.55	18.0	5.92	150	50.4
MW-7	20.0	2.0	315.80	4.61	311.19	23.6	4.87	52	9.74
MW-8	20.0	2.0	342.80	5.81	336.99	17.7	4.84	45	9.92
MW-9	30.0	2.0	378.70	17.31	361.39	16.2	4.54	543	1.78

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
April 2015 Sampling Event
April 8, 2015
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	ND	0.69	ND	ND	ND	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	1.1	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	ND	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	ND	ND	ND	ND	ND	1.2	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	ND	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	**8.2**	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	ND	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	ND	ND	ND	0.88 J	ND	ND	0.88 J	ND	ND	ND	NE	10
Barium	30	28	90	22	20	22	36	59	42	510	NE	700
Cadmium	ND	ND	ND	ND	ND	0.098 J	0.15 J	ND	0.092 J	0.29 J	NE	2
Chromium	0.91 J	0.53 J	1.5	1.4	0.54 J	ND	0.31 J	0.86 J	0.52 J	0.50 J	NE	10
Lead	0.29 J	ND	1.2	0.40 J	0.29 J	ND	0.90 J	3.6	0.75 J	9.9	NE	15
Mercury	ND	ND	ND	0.025 J	ND	ND	ND	ND	ND	0.12 J	NE	1
Selenium	ND	ND	ND	2.8	ND	2.7	2.6	ND	ND	3.1	NE	20
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-2**																						
Arsenic	**10**	ND	ND	ND	ND	2.43 JB	ND	ND	ND	ND	ND	ND	ND	ND	0.80 J	ND	0.55 J	0.73 J	ND	ND	ND	ND
Barium	**700**	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	88.0	74.0	97.0	68.0	90.0
Cadmium	**2**	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	0.20 J	0.22 J	0.050 J	0.077 J	ND
Chromium	**10**	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	0.83 JB	ND	ND	0.76 J	1.50
Lead	**15**	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	1.10	1.60	1.30	1.20	1.20
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	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	2.30	0.45 J	0.66 J	ND	ND
Silver	**20**	ND	ND	ND	ND	ND	ND	2.36 JB	3.57 JB	1.16 JB	1.25 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	0.160 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.260 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	0.390 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-3**																						
Arsenic	**10**	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	2.70	0.98 J	0.39 J	0.95 J	0.88 J
Barium	**700**	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	39.0	42.0	16.0	33.0	22.0
Cadmium	**2**	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.40**	ND	ND	ND	ND	ND	0.11 J	0.034 J	ND	ND
Chromium	**10**	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	0.70 JB	ND	ND	ND	1.40
Lead	**15**	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	1.10	1.20	0.20 J	0.39 J	0.40 J
Mercury	**1**	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	ND	ND	ND	0.035 J	0.025 J
Selenium	**20**	ND	ND	ND	ND	5.79 J	ND	9.5 J	ND	ND	ND	ND	7.60	ND	9.20	11.00	13.00	9.60	3.50	0.93 J	3.60	2.80
Silver	**20**	ND	ND	ND	ND	ND	ND	2.27 JB	3.74 JB	1.60 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.3 J	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	ND	ND
Benzene	**1**	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	ND	ND	ND	ND	ND
Bromomethane	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	**560**	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	ND	ND	1.2 J	5	ND
1,1-Dichloroethane	**6**	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	ND	ND	ND	ND	ND
1,2-Dichloroethene (isomers)	**60**	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	0.7	0.83	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	0.110 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.270 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	0.140 J	ND	0.330 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**0.03**	ND	ND	ND	**1.1**	ND	**0.490 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.59**	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-4**																						
Arsenic	**10**	ND	ND	ND	2.9 J	4.16 JB	ND	ND	ND	ND	ND	ND	ND	ND	1.20	1.10	1.20	1.60	1.30	0.95 J	0.72 J	ND
Barium	**700**	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	18.0	23.0	15.0	16.0	20.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	0.21 J	ND	0.48 J	ND	ND	ND	0.26 J	0.058 J	0.57 J	0.034 J	0.18 J	ND
Chromium	**10**	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	0.81 JB	ND	ND	ND	0.54 J
Lead	**15**	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	0.79 J	0.85 J	0.26 J	0.56 J	0.29 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	3.73 J	ND	ND	ND	ND	ND	ND	3.4 J	ND	2.40	2.90	3.00	2.40	0.78 J	0.39 J	ND	ND
Silver	**20**	ND	ND	ND	ND	ND	ND	2.17 JB	3.90 JB	1.97 JB	1.03 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	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	0.91	0.77	0.51	ND	0.69
Chloroethane	**3000**	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	1.9	ND	0.79	ND	1.1
1,1-Dichloroethane	**6**	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	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	ND	ND	ND	ND
1,2-Dichloroethene (isomers)	**60**	ND	ND	ND	ND	0.210 J	0.560 J	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	0.53 J	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.310 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	0.110 J	ND	0.540 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-5**																						
Arsenic	**10**	ND	ND	ND	ND	4.83 JB	1.93 J	ND	ND	ND	ND	ND	ND	ND	0.55 J	1.30	1.10	0.47 J	0.46 J	ND	ND	ND
Barium	**700**	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	27.0	31.0	23.0	23.0	22.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J	0.45 J	ND	ND	ND	0.043 J	0.12 J	ND	ND	0.098 J
Chromium	**10**	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	0.77 JB	ND	ND	0.32 J	ND
Lead	**15**	ND	ND	ND	ND	14.5	6.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	0.39 J	0.87 J	0.064 J	ND	ND
Mercury	**1**	ND	ND	ND	ND	0.058 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	5.42 J	ND	ND	ND	ND	ND	ND	3.2 J	ND	4.40	5.10	6.80	3.20	0.66 J	0.59 J	ND	2.70
Silver	**20**	ND	ND	ND	ND	ND	ND	2.32 JB	3.74 JB	1.72 JB	ND	ND	ND	ND	ND	ND	0.081 J	ND	ND	ND	ND	ND
Bromoform	**4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.210 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	0.280 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-6**																						
Arsenic	**10**	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	1.60	0.98 J	0.69 J	1.30	0.88 J
Barium	**700**	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	31.0	29.0	31.0	39.0	36.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND	0.37 J	ND	ND	0.088 J	0.054 J	ND	1.90	0.15 J
Chromium	**10**	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	1.2 B	ND	ND	ND	0.31 J
Lead	**15**	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	0.58 J	0.44 J	0.26 J	0.33 J	0.90 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	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	4.40	1.10	0.79 J	1.20	2.60
Silver	**20**	ND	ND	ND	ND	ND	ND	2.34 JB	3.79 JB	1.47 JB	0.78 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	5.74 J	3.34 J	6.0 J	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	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	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.180 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	0.380 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Sampling Date:	2L Standard	6/23/2005	10/26/2005	3/30/2006	10/19/2006	4/18/2007	10/24/2007	4/29/2008	ND	4/22/2009	10/14/2009	4/29/2010	10/19/2010	4/13/2011	10/6/2011	4/26/2012	10/3/2012	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-7**																						
Arsenic	**10**	ND	ND	ND	ND	3.88 JB	ND	ND	ND	ND	ND	ND	1.5 J	ND	1.20	1.80	1.40	0.54 J	0.40 J	0.39 J	1.00	ND
Barium	**700**	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	62.0	52.0	64.0	55.0	59.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND	ND	ND	0.11 J	ND	ND	ND
Chromium	**10**	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	1.3 B	ND	0.57 J	ND	0.86 J
Lead	**15**	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	3.60	4.00	4.90	1.50	3.60
Mercury	**1**	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	ND	ND	ND	ND	ND
Selenium	**20**	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	3.60	0.96 J	0.70J	1.20	ND
Silver	**20**	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	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	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	ND	0.61	ND	0.61	ND
1,1-Dichloroethane	**6**	ND	ND	ND	ND	ND	0.150 J	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	0.240 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	0.250 JB	0.320 J	ND	ND	ND	4.90	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	0.130 J	ND	0.520 J	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-8**																						
Arsenic	**10**	ND	ND	ND	ND	2.03 JB	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND
Barium	**700**	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	61.0	56.0	49.0	41.0	42.0
Cadmium	**2**	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	0.59 J	0.17 J	ND	ND	ND	0.12 J	0.064 J	0.053 J	ND	0.092 J
Chromium	**10**	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	1.2 B	ND	0.47 J	0.82 J	0.52 J
Lead	**15**	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	0.94 J	1.30	1.80	1.30	0.75 J
Mercury	**1**	ND	ND	ND	ND	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	0.7 J	0.33 J	ND	ND	ND	ND
Silver	**20**	ND	ND	ND	ND	ND	ND	2.28 JB	3.90 JB	1.29 JB	0.8 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (isomers)	**60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	1.20
Ethylbenzene	**29**	ND	ND	ND	ND	ND	ND	ND	0.120 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**0.7**	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**	**3.60**	**4.00**	**9.20**	**6.90**	**8.20**
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.450 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	0.700 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **MW-9**																						
Arsenic	**10**	ND	ND	ND	2.6 J	2.88 JB	5.04 J	ND	ND	ND	ND	**15**	ND	**13**	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**700**	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	320	540	640	430	510
Cadmium	**2**	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	0.22 J	0.28 J	0.29 J	0.21 J	0.29 J
Chromium	**10**	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	1.2 B	ND	ND	ND	0.50 J
Lead	**15**	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	3	7	8	7.1 J	10
Mercury	**1**	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	0.18 J	0.051 J	ND	ND	0.12 J
Selenium	**20**	ND	ND	ND	2.2 J	1.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	2	1	ND	2	2	3
Silver	**20**	ND	ND	ND	ND	ND	ND	ND	3.95 JB	1.18 JB	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND
Bromoform	**4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**600**	ND	ND	ND	ND	ND	ND	ND	0.210 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**600**	ND	ND	ND	ND	ND	ND	ND	0.810 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	**500**	ND	ND	ND	ND	ND	ND	ND	1.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **SW-1**																						
Arsenic	**10**	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	0.98 J	0.65 J	0.51 J	ND	ND
Barium	**700**	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	23.00	24.00	23.00	44.00	30.00
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	0.370 J	0.28 J	ND	0.3 J	ND	ND	ND	ND	0.20 J	0.052 J	ND	ND	ND
Chromium	**10**	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	1.5 B	ND	ND	ND	0.91 J
Lead	**15**	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	0.23 J	0.41 J	0.34 J	0.24 J	0.29 J
Mercury	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	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	1.90	0.45 J	0.40 J	ND	ND
Silver	**20**	ND	ND	ND	ND	ND	ND	2.46 JB	2.07 JB	1.38 JB	0.87 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**6000**	ND	ND	ND	ND	ND	ND	2.51 JB	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	ND	1.0	ND	ND	ND	ND	ND	0.260 J	ND	ND	ND	ND	ND	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	1.1 J	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	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	4/3/2013	10/16/2013	4/1/2014	10/1/2014	4/8/2015
Well No: **SW-2**																						
Arsenic	**10**	ND	ND	ND	2.9 J	1.70 JB	2.92 J	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.51 J	0.47 J	ND	ND
Barium	**700**	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	18.0	26.0	26.0	24.0	28.0
Cadmium	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	1.2	0.63 J	NA	ND	0.21 J	ND	0.44 J	ND	ND	ND
Chromium	**10**	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	1.4 B	ND	ND	ND	0.53 J
Lead	**15**	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	0.93 J	2.9	0.44 J	0.21 J	ND
Mercury	**1**	ND	ND	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Selenium	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 J	ND	ND	NA	1.90	3.00	1.10	0.43 J	0.42 J	ND	ND
Silver	**20**	ND	ND	ND	ND	ND	ND	2.24 JB	3.73 JB	1.58 JB	ND	ND	ND	ND	NA	ND	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.

APPENDIX A

Groundwater Sampling Forms

EQUIPMENT CALIBRATION FORM

Client: C Project #: CC Tire

INSTRUMENT: YSI 556 / Hach

SERIAL NO.: 07G101725 / 31559

Date	Time	Parameter		Calibration Reading	Calibration Recorded By
4/8/15	0805	pH	4.00	4.00	Lot# 5AA012 Exp: 1/31/17
			7.00	7.01	Lot# 3AL690 Exp: 11/30/15
			10.00	10.00	Lot# 3AL652 Exp: 12/31/15
		Specific Conductivity		1.413mS	Lot# 3AL221 Exp: 12/31/15
		ORP		240mV	Lot# 6138 Exp: 5/31/18
		Dissolved Oxygen		100%	NA
		Turbidity		0, 1, 10NTU	NA
NA	NA	Temperature		NA	NA
NA	NA	Ambient Air Pressure		NA	NA
NA	NA	NA		NA	NA

INSTRUMENT: YSI 556 / Hach

SERIAL NO.: 10H100442 / 28078

Date	Time	Parameter		Calibration Reading	Calibration Recorded By
4/8/15	0805	pH	4.00	4.00	Lot# Exp:
			7.00	7.00	Lot# Exp:
			10.00	10.00	Lot# Exp:
		Specific Conductivity		1.413mS	Lot# Exp:
		ORP		240mV	Same as above
		Dissolved Oxygen		100%	
		Turbidity		0, 1, 10 NTU	
NA	NA	Temperature		NA	
NA	NA	Ambient Air Pressure		NA	
NA	NA	NA		NA	

Well/Piezo ID: MW2

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Overcast 70'S Collector(s) R Lane

Date: 4/8/15
Time: Start 1055 am/pm
Finish 1130 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 17.02 (a-b)

b. Water Table Depth 2.98 d. Casing Diameter 2" f. Calculated Well Volume (see back) 2.8

WELL PURGING DATA

a. Purge Method LOW FLOW

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ _____ 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
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1100	Int	17.81	5.14	73	13.4	3.03	clear	142.4	2.71
1105	2000	17.90	5.11	70	10.2	3.04	↓	136.1	0.94
1110	3000	17.96	5.09	69	8.41	3.04		133.8	0.82
1115	4000	18.04	5.09	67	8.19	3.05		131.4	0.79
1120	5000	18.13	5.08	66	8.26	3.05	↓	129.6	0.75

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	2+2	HCL / NONE	8260	1125
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments no lock

Signature Rich Lane Date 4/ /15

Well/Piezo ID: mw-3

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Sunny 70's Collector(s) R Lane

Date: 4/8/15
Time: Start 1340 am/pm
Finish 1415 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 11.69 (a-b)

b. Water Table Depth 8.31 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 1.9

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
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1345	Int.	23.86	5.65	86	16.7	8.39	clear	139.9	3.37
1350	1000	23.70	5.54	87	8.43	8.41	↓	134.6	2.62
1355	1500	23.62	5.48	86	8.18	8.41		131.7	2.31
1400	2000	23.51	5.46	86	8.09	8.43		128.4	2.19
1405	2500	23.42	5.45	86	8.14	8.43		129.1	2.23

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	2+2	HCL / NONE	8260	1410
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments

Signature Rich Lane Date 4/8/15

Well/Piezo ID: mw-4

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: overcast 70's Collector(s) R Lane

Date: 4/8/15
Time: Start 1010 am/pm
Finish 1045 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 15.69 (a-b)

b. Water Table Depth 4.31 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 2.6

WELL PURGING DATA

a. Purge Method _____ LOW FLOW

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

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1015	Int	17.34	5.71	88	13.4	4.35	clear	79.7	2.16
1020	2000	17.19	5.70	89	9.30	4.36	↓	77.1	1.10
1025	3000	17.05	5.70	90	8.88	4.36	↓	75.4	0.91
1030	4000	16.92	5.71	90	8.41	4.36	↓	74.7	0.84
1035	5000	16.84	5.70	91	8.29	4.37	↓	73.6	0.79

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	2+2	HCL / NONE	8260	1040
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments no lock

Signature Ruth Lane Date 4/8/15

Well/Piezo ID: mw 5

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Sunny 80's Collector(s) R Lane

Date: 4/8 /15
Time: Start 1520 am/pm
Finish 1600 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 15.95 (a-b)

b. Water Table Depth 4.05 d. Casing Diamete r 2" f. Calculated Well Volume (see back) 2.6

WELL PURGING DATA

a. Purge Method _____ LOW FLOW

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

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1525	Int	16.54	5.56	71	7.73	4.11	clear	109.5	2.40
1530	1000	16.60	5.56	71	6.13	4.13	↓	110.4	0.83
1535	1500	16.67	5.55	71	4.97	4.14	↓	111.7	0.66
1540	2000	16.72	5.54	71	4.54	4.14	↓	110.6	0.51
1545	2500	16.80	5.55	70	4.39	4.15	↓	109.9	0.48
1550	3000	16.85	5.54	70	4.42	4.16	↓	110.5	0.45

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	2+2	HCL / NONE	8260	1555
4304-	500 ml PLASTIC	1	HN03	RCRA METALS	

Comments no lock

Signature Rich Lane Date 4/8/15

Well/Piezo ID: MW-6

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Sunny 80's Collector(s) R Lane

Date: 4/ 8 /15
Time: Start 1430 am/pm
Finish 1510 am/pm

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

a. Total Well Length 25.0 c. Casing Material PVC e. Length of Water Column 18.45 (a-b)

b. Water Table Depth 6.55 d. Casing Diameter 2" f. Calculated Well Volume (see back) 3.0

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
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1435	Int	17.62	5.78	150	62.4	6.67	clear	97.7	2.96
1440	1000	17.71	5.84	149	51.7	6.63	↓	93.1	0.81
1445	1500	17.79	5.86	150	49.9	6.63		89.8	0.59
1450	2000	17.87	5.89	149	50.2	6.65		86.5	0.41
1455	2500	17.92	5.91	150	48.7	6.65		83.2	0.39
1500	3000	18.04	5.92	150	50.4	6.65		80.6	0.37

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-MW 6	VOA	2+2	HCL / NONE	8260	1505
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments

Signature Rich Lane Date 4/ 8 /15

Well/Piezo ID: MW-7

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: Sunny 70's Collector(s) R Lane

Date: 4/8/15
Time: Start 1245 am/pm
Finish 1330 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 15.39 (a-b)

b. Water Table Depth 4.61 d. Casing Diameter 2" f. Calculated Well Volume (see back) 2.50

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
YSI	556	10H100442
HACH	2100P	28021

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
1250	Int	22.71	5.01	55	50.1	4.64	clear	124.5	2.61
1255	1000	22.92	4.93	55	34.7	4.67	↓	122.7	0.88
1300	1500	23.10	4.90	54	19.6	4.69	↓	120.3	0.76
1305	2000	23.19	4.89	53	14.2	4.70	↓	117.6	0.64
1310	2500	23.33	4.88	53	11.7	4.72	↓	114.4	0.59
1315	3000	23.45	4.88	53	9.79	4.72	↓	112.8	0.56
1320	3500	23.56	4.87	52	9.74	4.74	↓	113.4	0.58

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	2+2	HCL / NONE	8260	1325
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments

Signature Rich Lane Date 4/8/15

Well/Piezo ID: mw-8

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: overcast 70's Collector(s) R Lane

Date: 4/8/15
Time: Start 0920 am/pm
Finish 1000 am/pm

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

a. Total Well Length 20.0 c. Casing Material PVC e. Length of Water Column 14.19 (a-b)

b. Water Table Depth 5.81 d. Casing Diameter 2" f. Calculated Well Volume (see back) 2.3

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
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
0925	Int	17.15	4.88	47	25.1	5.88	clear	153.6	3.84
0930	1000	17.27	4.86	47	17.4	5.90	↓	151.4	3.68
0935	1500	17.41	4.86	47	14.0	5.90	↓	150.7	3.60
0940	2000	17.50	4.85	46	12.1	5.91	↓	151.3	3.56
0945	2500	17.62	4.84	46	9.96	5.92	↓	152.4	3.53
0950	3000	17.73	4.84	45	9.92	5.94	↓	154.1	3.51

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	2+2	HCL / NONE	8260	0955
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments

Signature Rich Lane Date 4/8/15

Well/Piezo ID: mw-9

Ground Water Sample Collection Record

Client: NAUTILUS GEOLOGIC
Project No: CENTRAL CAROLINA TIRE, PERMIT #4304
Site Location: CAMERON, NC
Weather Conds: overcast 60's Collector(s) R Lane

Date: 4/ 8 /15
Time: Start 0830 am/pm
Finish 0910 am/pm

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

a. Total Well Length 30.0 c. Casing Material PVC e. Length of Water Column 12.69 (a-b)

b. Water Table Depth 17.31 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 (@ _____ 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
YSI	556	10H100442
HACH	2100P	28078

d. Field Testing Equipment Calibration Documentation Found on Separate Form

Time	Volume Removed ml	T° (C/F)	pH	Spec. Cond (umhos)	TURBIDITY	DTW	Color	ORP	D.O. mg/l
0835	Int	15.83	4.67	506	2.86	17.40	clear	165.8	3.11
0840	1000	15.90	4.60	521	2.30	17.43	↓	167.2	2.40
0845	1500	15.94	4.58	534	1.44	17.43		168.9	2.22
0850	2000	16.02	4.57	539	1.89	17.44		170.4	2.20
0855	2500	16.11	4.55	541	1.83	17.45		171.5	2.16
0900	3000	16.18	4.54	543	1.78	17.45		173.2	2.18

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	2+2	HCL / NONE	8260	0905
4304- ↓	500 ml PLASTIC	1	HN03	RCRA METALS	↓

Comments 4304-EB01 Taken 0825

Signature Ruth Lane Date 4/ 8 /15

APPENDIX B

Laboratory Reports
And
Chain-of-Custody Records

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

04/23/2015

Nautilus Geologic Consulting, PLLC
Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire
Project No.: 43-04
Lab Submittal Date: 04/09/2015
Prism Work Order: 5040153

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.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
MI	Matrix spike outside of the control limits. Matrix interference suspected.
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

04/23/2015

Prism Work Order: 5040153

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
4304-EB01	5040153-01	Water	04/08/15	04/09/15
4304-MW9	5040153-02	Water	04/08/15	04/09/15
4304-MW8	5040153-03	Water	04/08/15	04/09/15
4304-MW4	5040153-04	Water	04/08/15	04/09/15
4304-SW1	5040153-05	Water	04/08/15	04/09/15
4304-MW2	5040153-06	Water	04/08/15	04/09/15
4304-MW7	5040153-07	Water	04/08/15	04/09/15
4304-MW3	5040153-08	Water	04/08/15	04/09/15
4304-SW2	5040153-09	Water	04/08/15	04/09/15
4304-MW6	5040153-10	Water	04/08/15	04/09/15
4304-MW5	5040153-11	Water	04/08/15	04/09/15
4304-MW10	5040153-12	Water	04/08/15	04/09/15
4304-MW11	5040153-13	Water	04/08/15	04/09/15
4304-MW12	5040153-14	Water	04/08/15	04/09/15
4304-MW13	5040153-15	Water	04/08/15	04/09/15
4304-MW14	5040153-16	Water	04/08/15	04/09/15
4304-MW16	5040153-17	Water	04/08/15	04/09/15
4304-MW17R	5040153-18	Water	04/08/15	04/09/15
4304-MW18	5040153-19	Water	04/08/15	04/09/15
4304-SW1 LEXP	5040153-20	Water	04/08/15	04/09/15
4304-TB01	5040153-21	Water	04/09/15	04/09/15

Samples were received in good condition at 3.4 degrees C unless otherwise noted.

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Summary of Detections

04/23/2015

Prism Work Order: 5040153

Prism ID	Client ID	Parameter	Method	Result		Units
5040153-01	4304-EB01	Barium	6020A	1.7	J	ug/L
5040153-01	4304-EB01	Chromium	6020A	0.39	J	ug/L
5040153-02	4304-MW9	Mercury	7470A	0.12	J	ug/L
5040153-02	4304-MW9	Barium	6020A	510		ug/L
5040153-02	4304-MW9	Cadmium	6020A	0.29	J	ug/L
5040153-02	4304-MW9	Chromium	6020A	0.50	J	ug/L
5040153-02	4304-MW9	Lead	6020A	9.9		ug/L
5040153-02	4304-MW9	Selenium	6020A	3.1		ug/L
5040153-03	4304-MW8	Barium	6020A	42		ug/L
5040153-03	4304-MW8	Cadmium	6020A	0.092	J	ug/L
5040153-03	4304-MW8	Chromium	6020A	0.52	J	ug/L
5040153-03	4304-MW8	Lead	6020A	0.75	J	ug/L
5040153-03	4304-MW8	cis-1,2-Dichloroethylene	8260B	1.2		ug/L
5040153-03	4304-MW8	Tetrachloroethylene	8260B	8.2		ug/L
5040153-04	4304-MW4	Barium	6020A	20		ug/L
5040153-04	4304-MW4	Chromium	6020A	0.54	J	ug/L
5040153-04	4304-MW4	Lead	6020A	0.29	J	ug/L
5040153-04	4304-MW4	Benzene	8260B	0.69		ug/L
5040153-04	4304-MW4	Chloroethane	8260B	1.1		ug/L
5040153-05	4304-SW1	Barium	6020A	30		ug/L
5040153-05	4304-SW1	Chromium	6020A	0.91	J	ug/L
5040153-05	4304-SW1	Lead	6020A	0.29	J	ug/L
5040153-06	4304-MW2	Barium	6020A	90		ug/L
5040153-06	4304-MW2	Chromium	6020A	1.5		ug/L
5040153-06	4304-MW2	Lead	6020A	1.2		ug/L
5040153-07	4304-MW7	Barium	6020A	59		ug/L
5040153-07	4304-MW7	Chromium	6020A	0.86	J	ug/L
5040153-07	4304-MW7	Lead	6020A	3.6		ug/L
5040153-08	4304-MW3	Mercury	7470A	0.025	J	ug/L
5040153-08	4304-MW3	Arsenic	6020A	0.88	J	ug/L
5040153-08	4304-MW3	Barium	6020A	22		ug/L
5040153-08	4304-MW3	Chromium	6020A	1.4		ug/L
5040153-08	4304-MW3	Lead	6020A	0.40	J	ug/L
5040153-08	4304-MW3	Selenium	6020A	2.8		ug/L
5040153-09	4304-SW2	Barium	6020A	28		ug/L
5040153-09	4304-SW2	Chromium	6020A	0.53	J	ug/L
5040153-10	4304-MW6	Arsenic	6020A	0.88	J	ug/L
5040153-10	4304-MW6	Barium	6020A	36		ug/L
5040153-10	4304-MW6	Cadmium	6020A	0.15	J	ug/L
5040153-10	4304-MW6	Chromium	6020A	0.31	J	ug/L
5040153-10	4304-MW6	Lead	6020A	0.90	J	ug/L
5040153-10	4304-MW6	Selenium	6020A	2.6		ug/L
5040153-11	4304-MW5	Barium	6020A	22		ug/L
5040153-11	4304-MW5	Cadmium	6020A	0.098	J	ug/L

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Summary of Detections

04/23/2015

Prism Work Order: 5040153

Prism ID	Client ID	Parameter	Method	Result		Units
5040153-11	4304-MW5	Selenium	6020A	2.7		ug/L
5040153-12	4304-MW10	Mercury	7470A	1.8		ug/L
5040153-12	4304-MW10	Arsenic	6020A	1.6		ug/L
5040153-12	4304-MW10	Barium	6020A	29		ug/L
5040153-12	4304-MW10	Chromium	6020A	0.26	J	ug/L
5040153-12	4304-MW10	Lead	6020A	0.18	J	ug/L
5040153-12	4304-MW10	Selenium	6020A	8.6		ug/L
5040153-13	4304-MW11	Barium	6020A	55		ug/L
5040153-13	4304-MW11	Lead	6020A	0.22	J	ug/L
5040153-14	4304-MW12	Arsenic	6020A	0.63	J	ug/L
5040153-14	4304-MW12	Barium	6020A	8.9		ug/L
5040153-14	4304-MW12	Chromium	6020A	1.3		ug/L
5040153-14	4304-MW12	Lead	6020A	0.90	J	ug/L
5040153-15	4304-MW13	Barium	6020A	4.9	J	ug/L
5040153-16	4304-MW14	Barium	6020A	28		ug/L
5040153-16	4304-MW14	Lead	6020A	0.22	J	ug/L
5040153-17	4304-MW16	Barium	6020A	35		ug/L
5040153-17	4304-MW16	Lead	6020A	0.37	J	ug/L
5040153-18	4304-MW17R	Barium	6020A	150		ug/L
5040153-18	4304-MW17R	Chromium	6020A	1.1		ug/L
5040153-18	4304-MW17R	Lead	6020A	1.9		ug/L
5040153-19	4304-MW18	Mercury	7470A	0.14	J	ug/L
5040153-19	4304-MW18	Barium	6020A	43		ug/L
5040153-19	4304-MW18	Chromium	6020A	0.38	J	ug/L
5040153-19	4304-MW18	Lead	6020A	0.45	J	ug/L
5040153-19	4304-MW18	Selenium	6020A	1.9		ug/L
5040153-20	4304-SW1 LEXP	Barium	6020A	43		ug/L
5040153-20	4304-SW1 LEXP	Selenium	6020A	1.4		ug/L

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

Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-01
Prism Work Order: 5040153
Time Collected: 04/08/15 08:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:19	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:20	BGM	P5D0197
Barium	**1.7 J**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:20**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:20	BGM	P5D0197
Chromium	**0.39 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:20**	**BGM**	**P5D0197**
Lead	BRL	ug/L	1.0	0.18	1	6020A	4/16/15 20:20	BGM	P5D0197
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:20	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:20	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 15:56	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 15:56	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 15:56	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 15:56	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 15:56	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 15:56	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 15:56	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 15:56	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 15:56	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 15:56	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 15:56	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 15:56	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 15:56	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 15:56	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 15:56	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 15:56	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 15:56	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 15:56	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 15:56	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 15:56	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 15:56	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 15:56	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 15:56	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 15:56	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 15:56	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 15:56	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 15:56	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 15:56	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-01
Prism Work Order: 5040153
Time Collected: 04/08/15 08:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 15:56	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 15:56	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 15:56	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 15:56	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 15:56	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 15:56	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 15:56	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 15:56	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 15:56	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 15:56	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 15:56	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 15:56	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 15:56	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 15:56	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 15:56	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 15:56	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 15:56	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-02
Prism Work Order: 5040153
Time Collected: 04/08/15 09:05
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	**0.12 J**	**ug/L**	**0.20**	**0.012**	**1**	**7470A**	**4/21/15 8:30**	**JAB**	**P5D0267**
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:25	BGM	P5D0197
Barium	**510**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:25**	**BGM**	**P5D0197**
Cadmium	**0.29 J**	**ug/L**	**1.0**	**0.074**	**1**	**6020A**	**4/16/15 20:25**	**BGM**	**P5D0197**
Chromium	**0.50 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:25**	**BGM**	**P5D0197**
Lead	**9.9**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:25**	**BGM**	**P5D0197**
Selenium	**3.1**	**ug/L**	**1.0**	**0.73**	**1**	**6020A**	**4/16/15 20:25**	**BGM**	**P5D0197**
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:25	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 16:30	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 16:30	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 16:30	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 16:30	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 16:30	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 16:30	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 16:30	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 16:30	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 16:30	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 16:30	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 16:30	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 16:30	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 16:30	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 16:30	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 16:30	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 16:30	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 16:30	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 16:30	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 16:30	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 16:30	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 16:30	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 16:30	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 16:30	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 16:30	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 16:30	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 16:30	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 16:30	VHL	P5D0154

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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

Nautilus Geologic Consulting, PLLC
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: 5040153-02
Prism Work Order: 5040153
Time Collected: 04/08/15 09:05
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 16:30	VHL	P5D0154
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 16:30	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 16:30	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 16:30	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 16:30	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 16:30	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 16:30	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 16:30	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 16:30	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 16:30	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 16:30	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 16:30	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 16:30	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 16:30	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 16:30	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 16:30	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 16:30	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 16:30	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*80-124*
Dibromofluoromethane	*105 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-03
Prism Work Order: 5040153
Time Collected: 04/08/15 09:55
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:34	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:28	BGM	P5D0197
Barium	**42**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:28**	**BGM**	**P5D0197**
Cadmium	**0.092 J**	**ug/L**	**1.0**	**0.074**	**1**	**6020A**	**4/16/15 20:28**	**BGM**	**P5D0197**
Chromium	**0.52 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:28**	**BGM**	**P5D0197**
Lead	**0.75 J**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:28**	**BGM**	**P5D0197**
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:28	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:28	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:04	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 17:04	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 17:04	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 17:04	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 17:04	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 17:04	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:04	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 17:04	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 17:04	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 17:04	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 17:04	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 17:04	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:04	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 17:04	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 17:04	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 17:04	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:04	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:04	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 17:04	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 17:04	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 17:04	VHL	P5D0154
cis-1,2-Dichloroethylene	**1.2**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**4/10/15 17:04**	**VHL**	**P5D0154**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 17:04	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 17:04	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 17:04	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 17:04	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 17:04	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 17:04	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-03
Prism Work Order: 5040153
Time Collected: 04/08/15 09:55
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 17:04	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 17:04	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 17:04	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 17:04	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 17:04	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 17:04	VHL	P5D0154
Tetrachloroethylene	**8.2**	**ug/L**	**0.50**	**0.098**	**1**	**8260B**	**4/10/15 17:04**	**VHL**	**P5D0154**
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 17:04	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 17:04	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 17:04	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 17:04	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 17:04	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 17:04	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:04	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 17:04	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 17:04	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 17:04	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-04
Prism Work Order: 5040153
Time Collected: 04/08/15 10:40
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:38	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:32	BGM	P5D0197
Barium	**20**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:32**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:32	BGM	P5D0197
Chromium	**0.54 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:32**	**BGM**	**P5D0197**
Lead	**0.29 J**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:32**	**BGM**	**P5D0197**
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:32	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:32	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:38	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 17:38	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 17:38	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 17:38	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 17:38	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 17:38	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:38	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 17:38	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 17:38	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 17:38	VHL	P5D0154
Benzene	**0.69**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**4/10/15 17:38**	**VHL**	**P5D0154**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 17:38	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:38	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 17:38	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 17:38	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 17:38	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 17:38	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:38	VHL	P5D0154
Chloroethane	**1.1**	**ug/L**	**0.50**	**0.22**	**1**	**8260B**	**4/10/15 17:38**	**VHL**	**P5D0154**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 17:38	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 17:38	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 17:38	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 17:38	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 17:38	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 17:38	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 17:38	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 17:38	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 17:38	VHL	P5D0154

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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Nautilus Geologic Consulting, PLLC
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: 5040153-04
Prism Work Order: 5040153
Time Collected: 04/08/15 10:40
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 17:38	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 17:38	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 17:38	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 17:38	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 17:38	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 17:38	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 17:38	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 17:38	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 17:38	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 17:38	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 17:38	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 17:38	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 17:38	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 17:38	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 17:38	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 17:38	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 17:38	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-05
Prism Work Order: 5040153
Time Collected: 04/08/15 10:50
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:42	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:36	BGM	P5D0197
Barium	**30**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:36**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:36	BGM	P5D0197
Chromium	**0.91 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:36**	**BGM**	**P5D0197**
Lead	**0.29 J**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:36**	**BGM**	**P5D0197**
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:36	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:36	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:13	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 18:13	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 18:13	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 18:13	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 18:13	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 18:13	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:13	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 18:13	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 18:13	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 18:13	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 18:13	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 18:13	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:13	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 18:13	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 18:13	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 18:13	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:13	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:13	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 18:13	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 18:13	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 18:13	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 18:13	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 18:13	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 18:13	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 18:13	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 18:13	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 18:13	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 18:13	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-05
Prism Work Order: 5040153
Time Collected: 04/08/15 10:50
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 18:13	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 18:13	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 18:13	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 18:13	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 18:13	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 18:13	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 18:13	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 18:13	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 18:13	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 18:13	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 18:13	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 18:13	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 18:13	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:13	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 18:13	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 18:13	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 18:13	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-06
Prism Work Order: 5040153
Time Collected: 04/08/15 11:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:45	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:40	BGM	P5D0197
Barium	**90**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:40**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:40	BGM	P5D0197
Chromium	**1.5**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:40**	**BGM**	**P5D0197**
Lead	**1.2**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:40**	**BGM**	**P5D0197**
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:40	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:40	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:47	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 18:47	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 18:47	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 18:47	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 18:47	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 18:47	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:47	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 18:47	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 18:47	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 18:47	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 18:47	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 18:47	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:47	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 18:47	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 18:47	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 18:47	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 18:47	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:47	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 18:47	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 18:47	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 18:47	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 18:47	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 18:47	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 18:47	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 18:47	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 18:47	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 18:47	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 18:47	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-06
Prism Work Order: 5040153
Time Collected: 04/08/15 11:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 18:47	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 18:47	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 18:47	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 18:47	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 18:47	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 18:47	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 18:47	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 18:47	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 18:47	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 18:47	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 18:47	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 18:47	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 18:47	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 18:47	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 18:47	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 18:47	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 18:47	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*105 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-07
Prism Work Order: 5040153
Time Collected: 04/08/15 13:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:49	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:45	BGM	P5D0197
Barium	**59**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:45**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:45	BGM	P5D0197
Chromium	**0.86 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:45**	**BGM**	**P5D0197**
Lead	**3.6**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:45**	**BGM**	**P5D0197**
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:45	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:45	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:21	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 19:21	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 19:21	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 19:21	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 19:21	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 19:21	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:21	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 19:21	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 19:21	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 19:21	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 19:21	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 19:21	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:21	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 19:21	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 19:21	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 19:21	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:21	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:21	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 19:21	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 19:21	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 19:21	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 19:21	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 19:21	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 19:21	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 19:21	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 19:21	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 19:21	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 19:21	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-07
Prism Work Order: 5040153
Time Collected: 04/08/15 13:25
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 19:21	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 19:21	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 19:21	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 19:21	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 19:21	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 19:21	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 19:21	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 19:21	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 19:21	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 19:21	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 19:21	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 19:21	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 19:21	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:21	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 19:21	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 19:21	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 19:21	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*95 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-08
Prism Work Order: 5040153
Time Collected: 04/08/15 14:10
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	**0.025 J**	**ug/L**	**0.20**	**0.012**	**1**	**7470A**	**4/21/15 8:53**	**JAB**	**P5D0267**
Arsenic	**0.88 J**	**ug/L**	**1.0**	**0.62**	**1**	**6020A**	**4/16/15 20:49**	**BGM**	**P5D0197**
Barium	**22**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:49**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:49	BGM	P5D0197
Chromium	**1.4**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:49**	**BGM**	**P5D0197**
Lead	**0.40 J**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/16/15 20:49**	**BGM**	**P5D0197**
Selenium	**2.8**	**ug/L**	**1.0**	**0.73**	**1**	**6020A**	**4/16/15 20:49**	**BGM**	**P5D0197**
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:49	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:55	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 19:55	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 19:55	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 19:55	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 19:55	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 19:55	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:55	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 19:55	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 19:55	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 19:55	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 19:55	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 19:55	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:55	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 19:55	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 19:55	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 19:55	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 19:55	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:55	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 19:55	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 19:55	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 19:55	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 19:55	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 19:55	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 19:55	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 19:55	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 19:55	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 19:55	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-08
Prism Work Order: 5040153
Time Collected: 04/08/15 14:10
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 19:55	VHL	P5D0154
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 19:55	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 19:55	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 19:55	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 19:55	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 19:55	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 19:55	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 19:55	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 19:55	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 19:55	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 19:55	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 19:55	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 19:55	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 19:55	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 19:55	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 19:55	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 19:55	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 19:55	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*80-124*
Dibromofluoromethane	*107 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-09
Prism Work Order: 5040153
Time Collected: 04/08/15 14:20
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 8:57	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/16/15 20:52	BGM	P5D0197
Barium	**28**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/16/15 20:52**	**BGM**	**P5D0197**
Cadmium	BRL	ug/L	1.0	0.074	1	6020A	4/16/15 20:52	BGM	P5D0197
Chromium	**0.53 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/16/15 20:52**	**BGM**	**P5D0197**
Lead	BRL	ug/L	1.0	0.18	1	6020A	4/16/15 20:52	BGM	P5D0197
Selenium	BRL	ug/L	1.0	0.73	1	6020A	4/16/15 20:52	BGM	P5D0197
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/16/15 20:52	BGM	P5D0197
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 20:29	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 20:29	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 20:29	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 20:29	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 20:29	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 20:29	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 20:29	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 20:29	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 20:29	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 20:29	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 20:29	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 20:29	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 20:29	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 20:29	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 20:29	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 20:29	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 20:29	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 20:29	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 20:29	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 20:29	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 20:29	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 20:29	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 20:29	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 20:29	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 20:29	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 20:29	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 20:29	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 20:29	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-09
Prism Work Order: 5040153
Time Collected: 04/08/15 14:20
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 20:29	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 20:29	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 20:29	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 20:29	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 20:29	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 20:29	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 20:29	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 20:29	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 20:29	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 20:29	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 20:29	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 20:29	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 20:29	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 20:29	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 20:29	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 20:29	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 20:29	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Nautilus Geologic Consulting, PLLC
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: 5040153-10
Prism Work Order: 5040153
Time Collected: 04/08/15 15:05
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 9:01	JAB	P5D0267
Arsenic	**0.88 J**	**ug/L**	**1.0**	**0.62**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Barium	**36**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Cadmium	**0.15 J**	**ug/L**	**1.0**	**0.074**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Chromium	**0.31 J**	**ug/L**	**1.0**	**0.26**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Lead	**0.90 J**	**ug/L**	**1.0**	**0.18**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Selenium	**2.6**	**ug/L**	**1.0**	**0.73**	**1**	**6020A**	**4/20/15 16:21**	**BGM**	**P5D0239**
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/20/15 16:21	BGM	P5D0239
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:03	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 21:03	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 21:03	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 21:03	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 21:03	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 21:03	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:03	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 21:03	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 21:03	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 21:03	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 21:03	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 21:03	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:03	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 21:03	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 21:03	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 21:03	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:03	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:03	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 21:03	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 21:03	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 21:03	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 21:03	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 21:03	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 21:03	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 21:03	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 21:03	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 21:03	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-10
Prism Work Order: 5040153
Time Collected: 04/08/15 15:05
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 21:03	VHL	P5D0154
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 21:03	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 21:03	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 21:03	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 21:03	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 21:03	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 21:03	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 21:03	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 21:03	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 21:03	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 21:03	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 21:03	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 21:03	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 21:03	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:03	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 21:03	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 21:03	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 21:03	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*97 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

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Laboratory Report

04/23/2015

Nautilus Geologic Consulting, PLLC
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: 5040153-11
Prism Work Order: 5040153
Time Collected: 04/08/15 15:55
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Mercury	BRL	ug/L	0.20	0.012	1	7470A	4/21/15 9:12	JAB	P5D0267
Arsenic	BRL	ug/L	1.0	0.62	1	6020A	4/20/15 16:46	BGM	P5D0239
Barium	**22**	**ug/L**	**5.0**	**0.50**	**1**	**6020A**	**4/20/15 16:46**	**BGM**	**P5D0239**
Cadmium	**0.098 J**	**ug/L**	**1.0**	**0.074**	**1**	**6020A**	**4/20/15 16:46**	**BGM**	**P5D0239**
Chromium	BRL	ug/L	1.0	0.26	1	6020A	4/20/15 16:46	BGM	P5D0239
Lead	BRL	ug/L	1.0	0.18	1	6020A	4/20/15 16:46	BGM	P5D0239
Selenium	**2.7**	**ug/L**	**1.0**	**0.73**	**1**	**6020A**	**4/20/15 16:46**	**BGM**	**P5D0239**
Silver	BRL	ug/L	1.0	0.040	1	6020A	4/20/15 16:46	BGM	P5D0239
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:38	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 21:38	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/10/15 21:38	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 21:38	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 21:38	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/10/15 21:38	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:38	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/10/15 21:38	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/10/15 21:38	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/10/15 21:38	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/10/15 21:38	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/10/15 21:38	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:38	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/10/15 21:38	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/10/15 21:38	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/10/15 21:38	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/10/15 21:38	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:38	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/10/15 21:38	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/10/15 21:38	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 21:38	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/10/15 21:38	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/10/15 21:38	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/10/15 21:38	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/10/15 21:38	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/10/15 21:38	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/10/15 21:38	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/10/15 21:38	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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: 5040153-11
Prism Work Order: 5040153
Time Collected: 04/08/15 15:55
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/10/15 21:38	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/10/15 21:38	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/10/15 21:38	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/10/15 21:38	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 21:38	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/10/15 21:38	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/10/15 21:38	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/10/15 21:38	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/10/15 21:38	VHL	P5D0154
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/10/15 21:38	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/10/15 21:38	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/10/15 21:38	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/10/15 21:38	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/10/15 21:38	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/10/15 21:38	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/10/15 21:38	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/10/15 21:38	VHL	P5D0154

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

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Nautilus Geologic Consulting, PLLC
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-TB01
Prism Sample ID: 5040153-21
Prism Work Order: 5040153
Time Collected: 04/09/15 00:00
Time Submitted: 04/09/15 16:20

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	0.11	1	8260B	4/11/15 6:09	VHL	P5D0154
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	4/11/15 6:09	VHL	P5D0154
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	4/11/15 6:09	VHL	P5D0154
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/11/15 6:09	VHL	P5D0154
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	4/11/15 6:09	VHL	P5D0154
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	4/11/15 6:09	VHL	P5D0154
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	4/11/15 6:09	VHL	P5D0154
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	4/11/15 6:09	VHL	P5D0154
Acetone	BRL	ug/L	5.0	0.31	1	8260B	4/11/15 6:09	VHL	P5D0154
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	4/11/15 6:09	VHL	P5D0154
Benzene	BRL	ug/L	0.50	0.048	1	8260B	4/11/15 6:09	VHL	P5D0154
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	4/11/15 6:09	VHL	P5D0154
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	4/11/15 6:09	VHL	P5D0154
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	4/11/15 6:09	VHL	P5D0154
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	4/11/15 6:09	VHL	P5D0154
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	4/11/15 6:09	VHL	P5D0154
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	4/11/15 6:09	VHL	P5D0154
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	4/11/15 6:09	VHL	P5D0154
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	4/11/15 6:09	VHL	P5D0154
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	4/11/15 6:09	VHL	P5D0154
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	4/11/15 6:09	VHL	P5D0154
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	4/11/15 6:09	VHL	P5D0154
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	4/11/15 6:09	VHL	P5D0154
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	4/11/15 6:09	VHL	P5D0154
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	4/11/15 6:09	VHL	P5D0154
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	4/11/15 6:09	VHL	P5D0154
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	4/11/15 6:09	VHL	P5D0154
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	4/11/15 6:09	VHL	P5D0154
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	4/11/15 6:09	VHL	P5D0154
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	4/11/15 6:09	VHL	P5D0154
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	4/11/15 6:09	VHL	P5D0154
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	4/11/15 6:09	VHL	P5D0154
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	4/11/15 6:09	VHL	P5D0154
Styrene	BRL	ug/L	0.50	0.047	1	8260B	4/11/15 6:09	VHL	P5D0154
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	4/11/15 6:09	VHL	P5D0154
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	4/11/15 6:09	VHL	P5D0154
Toluene	BRL	ug/L	0.50	0.044	1	8260B	4/11/15 6:09	VHL	P5D0154

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Nautilus Geologic Consulting, PLLC
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-TB01
Prism Sample ID: 5040153-21
Prism Work Order: 5040153
Time Collected: 04/09/15 00:00
Time Submitted: 04/09/15 16:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	4/11/15 6:09	VHL	P5D0154
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	4/11/15 6:09	VHL	P5D0154
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	4/11/15 6:09	VHL	P5D0154
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	4/11/15 6:09	VHL	P5D0154
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	4/11/15 6:09	VHL	P5D0154
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	4/11/15 6:09	VHL	P5D0154
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	4/11/15 6:09	VHL	P5D0154
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	4/11/15 6:09	VHL	P5D0154

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*95 %*	*80-124*
Dibromofluoromethane	*109 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

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 P5D0154 - 5030B										
Blank (P5D0154-BLK1)				Prepared & Analyzed: 04/10/15						
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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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

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 P5D0154 - 5030B										
Blank (P5D0154-BLK1)				Prepared & Analyzed: 04/10/15						
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	*24.6*		*ug/L*	*25.00*		*99*	*80-124*			
Surrogate: Dibromofluoromethane	*25.7*		*ug/L*	*25.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.00*		*94*	*77-123*			
LCS (P5D0154-BS1)				Prepared & Analyzed: 04/10/15						
1,1-Dichloroethylene	18.9	0.50	ug/L	20.00		94	70-154			
Benzene	19.9	0.50	ug/L	20.00		99	77-128			
Chlorobenzene	19.0	0.50	ug/L	20.00		95	78-119			
Tetrahydrofuran	17.9	10	ug/L	20.00		90	70-130			
Toluene	19.1	0.50	ug/L	20.00		96	76-131			
Trichloroethylene	18.7	0.50	ug/L	20.00		94	77-133			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/L*	*25.00*		*97*	*80-124*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/L*	*25.00*		*96*	*75-129*			
Surrogate: Toluene-d8	*24.7*		*ug/L*	*25.00*		*99*	*77-123*			
LCS Dup (P5D0154-BSD1)				Prepared & Analyzed: 04/10/15						
1,1-Dichloroethylene	19.6	0.50	ug/L	20.00		98	70-154	4	20	
Benzene	19.7	0.50	ug/L	20.00		98	77-128	1	20	
Chlorobenzene	18.1	0.50	ug/L	20.00		91	78-119	5	20	
Tetrahydrofuran	19.9	10	ug/L	20.00		100	70-130	11	20	
Toluene	19.1	0.50	ug/L	20.00		95	76-131	0.2	20	
Trichloroethylene	19.1	0.50	ug/L	20.00		95	77-133	2	20	
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/L*	*25.00*		*95*	*80-124*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/L*	*25.00*		*95*	*75-129*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*97*	*77-123*			

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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

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 P5D0154 - 5030B										
Matrix Spike (P5D0154-MS1)		**Source: 5040153-02**		Prepared: 04/10/15	Analyzed: 04/11/15					
1,1-Dichloroethylene	19.7	0.50	ug/L	20.00	BRL	98	65-162			
Benzene	19.1	0.50	ug/L	20.00	BRL	96	73-131			
Chlorobenzene	18.6	0.50	ug/L	20.00	BRL	93	76-119			
Tetrahydrofuran	19.0	10	ug/L	20.00	BRL	95	70-130			
Toluene	19.8	0.50	ug/L	20.00	BRL	99	72-135			
Trichloroethylene	18.9	0.50	ug/L	20.00	BRL	95	72-133			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*24.0*		*ug/L*	*25.00*		*96*	*75-129*			
Surrogate: Toluene-d8	*25.0*		*ug/L*	*25.00*		*100*	*77-123*			
Matrix Spike Dup (P5D0154-MSD1)		**Source: 5040153-02**		Prepared: 04/10/15	Analyzed: 04/11/15					
1,1-Dichloroethylene	20.7	0.50	ug/L	20.00	BRL	104	65-162	5	20	
Benzene	20.4	0.50	ug/L	20.00	BRL	102	73-131	7	17	
Chlorobenzene	19.6	0.50	ug/L	20.00	BRL	98	76-119	6	20	
Tetrahydrofuran	20.7	10	ug/L	20.00	BRL	103	70-130	8	20	
Toluene	20.5	0.50	ug/L	20.00	BRL	102	72-135	3	18	
Trichloroethylene	20.3	0.50	ug/L	20.00	BRL	102	72-133	7	17	
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/L*	*25.00*		*97*	*80-124*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/L*	*25.00*		*97*	*75-129*			
Surrogate: Toluene-d8	*24.8*		*ug/L*	*25.00*		*99*	*77-123*			

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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0197 - 3005A										
Blank (P5D0197-BLK1)				Prepared: 04/15/15 Analyzed: 04/16/15						
Arsenic	BRL	1.0	ug/L							
Barium	BRL	5.0	ug/L							
Cadmium	BRL	1.0	ug/L							
Chromium	0.389	1.0	ug/L							J
Lead	BRL	1.0	ug/L							
Selenium	BRL	1.0	ug/L							
Silver	BRL	1.0	ug/L							
LCS (P5D0197-BS1)				Prepared: 04/15/15 Analyzed: 04/16/15						
Arsenic	96.1	1.0	ug/L	100.0		96	80-120			
Barium	96.0	5.0	ug/L	100.0		96	80-120			
Cadmium	93.0	1.0	ug/L	100.0		93	80-120			
Chromium	97.1	1.0	ug/L	100.0		97	80-120			
Lead	94.2	1.0	ug/L	100.0		94	80-120			
Selenium	92.1	1.0	ug/L	100.0		92	80-120			
Silver	93.1	1.0	ug/L	100.0		93	80-120			
Batch P5D0239 - 3005A										
Blank (P5D0239-BLK1)				Prepared: 04/17/15 Analyzed: 04/20/15						
Arsenic	BRL	1.0	ug/L							
Barium	BRL	5.0	ug/L							
Cadmium	BRL	1.0	ug/L							
Chromium	BRL	1.0	ug/L							
Lead	BRL	1.0	ug/L							
Selenium	BRL	1.0	ug/L							
Silver	BRL	1.0	ug/L							

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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0239 - 3005A										
LCS (P5D0239-BS1)				Prepared: 04/17/15		Analyzed: 04/20/15				
Arsenic	99.7	1.0	ug/L	100.0		100	80-120			
Barium	99.7	5.0	ug/L	100.0		100	80-120			
Cadmium	102	1.0	ug/L	100.0		102	80-120			
Chromium	99.2	1.0	ug/L	100.0		99	80-120			
Lead	99.8	1.0	ug/L	100.0		100	80-120			
Selenium	105	1.0	ug/L	100.0		105	80-120			
Silver	99.0	1.0	ug/L	100.0		99	80-120			
Matrix Spike (P5D0239-MS1)		**Source: 5040153-10**		Prepared: 04/17/15		Analyzed: 04/20/15				
Arsenic	83.7	1.0	ug/L	100.0	0.882	83	75-125			
Barium	134	5.0	ug/L	100.0	36.2	98	75-125			
Cadmium	101	1.0	ug/L	100.0	0.151	101	75-125			
Chromium	100	1.0	ug/L	100.0	0.312	100	75-125			
Lead	99.9	1.0	ug/L	100.0	0.900	99	75-125			
Selenium	90.3	1.0	ug/L	100.0	2.65	88	75-125			
Silver	8.16	1.0	ug/L	100.0	BRL	8	75-125			MI
Matrix Spike Dup (P5D0239-MSD1)		**Source: 5040153-10**		Prepared: 04/17/15		Analyzed: 04/20/15				
Arsenic	82.7	1.0	ug/L	100.0	0.882	82	75-125	1	20	
Barium	135	5.0	ug/L	100.0	36.2	99	75-125	0.7	20	
Cadmium	101	1.0	ug/L	100.0	0.151	101	75-125	0.3	20	
Chromium	99.9	1.0	ug/L	100.0	0.312	100	75-125	0.2	20	
Lead	101	1.0	ug/L	100.0	0.900	100	75-125	0.8	20	
Selenium	90.4	1.0	ug/L	100.0	2.65	88	75-125	0.05	20	
Silver	6.70	1.0	ug/L	100.0	BRL	7	75-125	20	20	MI
Post Spike (P5D0239-PS1)		**Source: 5040153-10**		Prepared: 04/17/15		Analyzed: 04/20/15				
Arsenic	96.0		ug/L	100.0	0.882	95	80-120			
Barium	130		ug/L	100.0	36.2	94	80-120			
Cadmium	96.0		ug/L	100.0	0.151	96	80-120			
Chromium	94.0		ug/L	100.0	0.312	94	80-120			
Lead	96.2		ug/L	100.0	0.900	95	80-120			
Selenium	100		ug/L	100.0	2.65	98	80-120			
Silver	84.5		ug/L	100.0	0.0250	85	80-120			

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Nautilus Geologic Consulting, PLLC
Attn: Brian S. Boutin
11112 Branding Iron Place
Wendell, NC 27591

Project: Central Carolina Tire

Project No: 43-04

Prism Work Order: 5040153
Time Submitted: 4/9/2015 4:20:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0267 - 7470A										
Blank (P5D0267-BLK1)				Prepared: 04/20/15		Analyzed: 04/21/15				
Mercury	BRL	0.20	ug/L							
LCS (P5D0267-BS1)				Prepared: 04/20/15		Analyzed: 04/21/15				
Mercury	10.0	0.20	ug/L	9.375		107	80-120			
Matrix Spike (P5D0267-MS1)		**Source: 5040153-01**		Prepared: 04/20/15		Analyzed: 04/21/15				
Mercury	9.70	0.20	ug/L	9.375	BRL	103	80-120			
Matrix Spike Dup (P5D0267-MSD1)		**Source: 5040153-01**		Prepared: 04/20/15		Analyzed: 04/21/15				
Mercury	9.88	0.20	ug/L	9.375	BRL	105	80-120	2	20	

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Sample Extraction Data

Prep Method: 3005A

Lab Number	Batch	Initial	Final	Date/Time
5040153-01	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-02	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-03	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-04	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-05	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-06	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-07	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-08	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-09	P5D0197	50 mL	50 mL	04/15/15 7:45
5040153-10	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-11	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-12	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-13	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-14	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-15	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-16	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-17	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-18	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-19	P5D0239	50 mL	50 mL	04/17/15 8:30
5040153-20	P5D0239	50 mL	50 mL	04/17/15 8:30

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date/Time
5040153-01	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-02	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-03	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-04	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-05	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-06	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-07	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-08	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-09	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-10	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-11	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-12	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-13	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-14	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-15	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-16	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-17	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-18	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-19	P5D0267	20 mL	30 mL	04/20/15 9:55
5040153-20	P5D0267	20 mL	30 mL	04/20/15 9:55

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5040153-01	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-02	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-03	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-04	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-05	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-06	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-07	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-08	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-09	P5D0154	10 mL	10 mL	04/10/15 11:40

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Sample Extraction Data

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5040153-10	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-11	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-12	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-13	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-14	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-15	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-16	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-17	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-18	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-19	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-20	P5D0154	10 mL	10 mL	04/10/15 11:40
5040153-21	P5D0154	10 mL	10 mL	04/10/15 11:40

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

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

Project Name: Central Carolina 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: Nautilus Geologic
Address: Same

Client Company Name: Nautilus Geologic
Report To/Contact Name: Brian S. Boutin
Reporting Address: 11112 Branding Iron Pl
Wendell NC 27591
Phone: 919 366 3663 Fax (Yes) (No): _____
Email Address: _____
EDD Type: PDF____ Excel____ Other_____
Site Location Name: Central Carolina LF
Site Location Physical Address: Permit 4304

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 14:00 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?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: DET-W Observed: 4.3 °C / Corr: 2.4 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL_____ NC_____ SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: RCRA Metals (Hg/Pb/Cd)	RCRA Metals	8260	PPP VOCs					REMARKS	PRISM LAB ID NO.
4304-EB01	4/8/15	0825	GW	VOA/P	2/2/1	40/250	HNO3 HCL UP	4	1								01
4304-MW9		0905															02
4304-MW8		0955															03
4304-MW4		1040															04
4304-SW1		1050															05
4304-MW2		1125															06
4304-MW7		1325															07
4304-MW3		1410															08
4304-SW2		1420															09
4304-MW6		1505															10
4304-MW5		1555															11

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Sampler's Signature Rich Lane Sampled By (Print Name) Rich Lane Affiliation EFM

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.

		Date	Military/Hours
Relinquished By: (Signature) Rich Lane	Received By: (Signature) [illegible]	4/9/15	1345
Relinquished By: (Signature) [illegible] 4/9/15 1620	Received By: (Signature)		
Relinquished By: (Signature)	Received For Prism Laboratories By: [illegible]	4/9/15	1620

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. 5040153

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
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

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

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CHAIN OF CUSTODY RECORD

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

Client Company Name: Nautilus Geologic
Report To/Contact Name: Brian S Boutin
Reporting Address: 11112 Branding Iron Pl
wendell NC 27591
Phone: 919 366 3663 Fax (Yes) (No): _____
Email Address: _____
EDD Type: PDF____ Excel____ Other_____
Site Location Name: Central Carolina LF
Site Location Physical Address: Permit 4304

Project Name: Central Carolina 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: Nautilus Geologic
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 14:00 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?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: DRT-10 Observed: 4.3 °C / Corr: 3.4 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL_____ NC_____ SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: APPVOCS 8260	RCRA Metals 6010	NAD/PRISM				REMARKS	PRISM LAB ID NO.
4304-MW10	4/8/15	1645	GW	VOA/P	3/2/1	40/250	HNO3 HCL UP	4	1						12
4304-MW11	↓	1640	↓	↓	↓	↓	↓	↓	↓						13
4304-MW12		1500													14
4304-MW13		1340													15
4304-MW14		1050													16
4304-MW16		0940													17
4304-MW17R		1220													18
4304-MW18		1545													19
4304-SW1 (EXP)	↓	1400	↓	↓	↓	↓	↓	↓	↓						20
4304-TB01	—	—	DI	VOA	2	40	HCL	2							21

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

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.

		Date	Military/Hours
Relinquished By: (Signature) [signature]	Received By: (Signature) [signature]	4-9-15	1345
Relinquished By: (Signature) [signature] 4-9-15 1620	Received By: (Signature) [signature]		
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	4/9/15	1620

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. 5040153

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
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

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

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