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APRIL-JUNE 2006
SEMI-ANNUAL GROUNDWATER
and
SURFACE WATER MONITORING REPORT

Central Carolina Tire Phase I/II Scrap Tire Monofill Landfill
Harnett County, North Carolina

WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS

May 5, 2006

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

Attention: Ms. Jaclynne Drummond

Re: April-June 2006 Semi-Annual Groundwater and
Surface-Water Monitoring Report
Central Carolina Tire Phase I/II Scrap Tire Monofill Landfill
Harnett County, North Carolina
W&R Project No. 202334.09

Dear Ms. Drummond:

Withers & Ravenel (W&R) has completed the first of two 2006 Semi-Annual groundwater and surface-water monitoring events for the above referenced facility (**Figure 1**). The scope of work performed by W&R included collection and analysis of groundwater and surface water samples from the site, in general accordance with the monitoring plan that is included in the Richard R. Rust Hydrogeologic Investigation and Groundwater Monitoring Plan (Monitoring Plan) for Permit Modification of Central Carolina Tire Monofill Permit 43-04 dated July 18, 1995. Samples from eight groundwater monitoring wells and two surface water collection points are collected and tested on a semi-annual basis using procedures specified in the NC DENR "Groundwater Monitoring Guidance Document." This is the fourth sampling event conducted by Withers & Ravenel (W&R) for this site. The following paragraphs describe the methodology and results of the field activities and laboratory analyses.

1.0 WATER QUALITY SAMPLING METHODOLOGY

1.1 Groundwater Sampling

Eight groundwater monitoring wells, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9 are located proximal to the existing Phase I/II scrap tire monofill landfill (See **Figure 2**). Seven of the wells, MW-2 through MW-8, were installed in September 1995 and MW-9 was installed in April 2001 as a replacement well to MW-1, which was abandoned in December 2001 to accommodate landfill construction modifications. Monitoring well construction details and depth to groundwater data are summarized in **Table 1**. Hydraulic conductivity testing performed by Engineering & Environmental Company (E^2S) in May 2001 suggest an average surficial aquifer hydraulic conductivity of approximately 5.5×10^{-6} cm/s. Based on designations presented in

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DATE May 5, 2006 JOB NO. 202334.09
ATTENTION Jaclynne Drummond
PHONE #
RE: Central Carolina Tire
Phase 1, 2 & 3 - Scrap Tire Monofill Landfill

TO: NCDENR DWM
Solid Waste Section
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the Monitoring Plan, monitoring well MW-9 serves as the upgradient, natural background well for the facility, and MW-2 through MW-8 serve as the downgradient monitoring wells. Sampling activities were performed in general accordance with protocols detailed in the Monitoring Plan and the NC DENR "Groundwater Monitoring Guidance Document." New disposable nitrile or latex gloves were worn at each sampling location. Prior to purging and sampling activities, water levels within each well were measured using a decontaminated electronic water-level meter. Measurements were referenced to the top of the well casing for each of the monitoring wells on March 30, 2006. The average depth to groundwater was calculated to be 8.17 feet below top of casing. Casing stick-ups were observed to be approximately 3.0 feet above ground surface elevations for the majority of the wells sampled. The depth to groundwater data determined for monitoring wells at the Phase I/II monofill landfill for the April-June 2006 report are summarized in **Table 1.**

After water level information was collected, at least three times the volume of the water standing in all wells was removed using a peristaltic (wells MW-2 through MW-8), submersible pump (well MW-9 only), and new polyethylene tubing. Measurements of the temperature, pH, and specific conductance of the water produced were recorded. Copies of the Pre-Sampling / Well Purging Field Logs that contain this information are included in **Appendix A.**

Groundwater samples were collected immediately following the completion of well purging activities. Groundwater samples were pumped directly into laboratory provided containers, which were then placed into ice-containing coolers and delivered under proper chain-of-custody to Environmental Conservation Laboratories (ENCO), Inc. in Cary, North Carolina for analysis of Volatile Organic Compounds (VOCs) by EPA Method 8260B and the eight RCRA metals by EPA Methods 200.7 and 7470. All samples were submitted unfiltered and the sample containers included the appropriate type and amount of preservative. The temperature of the groundwater samples ranged between 12.4 and 16.8 degrees Celsius; the pH ranged between 4.51 and 5.63; and the specific conductance ranged between 31 and 104 umhos/cm. The final field parameter measurements for each well are summarized in **Table 1.**

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

1.2 Surface Water Sampling

Surface water samples were collected from the two downstream locations designated as SW-1 and SW-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. New disposable nitrile or latex gloves were worn during all sampling activities. To preserve the integrity of the preservatives

within the sample container, a decontaminated Teflon ladle was used to collect the surface water samples. The contents of the ladle were immediately decanted into laboratory provided containers. The containers were then labeled and placed into ice-filled coolers and shipped under proper chain-of-custody to ENCO for analysis of VOCs and the eight RCRA metals by the previously referenced methods.

2.0 ANALYTICAL RESULTS

Laboratory results for the current sampling event are summarized in **Table 2**. According to the laboratory analysis report, chloroethane was identified at a concentration of 4.2 ug/L in the sample from compliance well MW-4, but was not identified in any of the other groundwater or surface water samples. The North Carolina Groundwater Standard for chloroethane is 2800 ug/L, therefore the concentration of chloroethane reported for well MW-4 is well below the North Carolina Standard. 1,1-Dichloroethane was also identified at a concentration equal to the laboratory method reporting limit of 1.0 ug/L in the sample from compliance well MW-4. The North Carolina Groundwater Standard for 1,1-dichloroethane is 70 ug/L, therefore the concentration of 1,1-dichloroethane reported for well MW-4 is below the North Carolina Standard. In addition, cis-1,2-dichloroethene was identified at a concentration of 1.5 ug/L in the sample from compliance well MW-3, but was not identified in any of the other groundwater or surface water samples. The North Carolina Groundwater Standard for cis-1,2-dichloroethene is 70 ug/L, therefore the concentration of cis-1,2-dichloroethene reported for well MW-10 is below the North Carolina Standard. No other EPA Method 8260 VOCs were detected in any of the groundwater or surface water samples for the April-June 2006 sampling event. The only metal detected in the groundwater samples was barium, which was detected in seven of the eight groundwater samples. All of the detected barium concentrations were well below the 2000 ug/L North Carolina Groundwater Standard for barium. No metals or VOCs were detected in either of the surface water samples submitted during this event. The laboratory results for the groundwater samples are summarized by location as follows:

MW-2: Barium was reported at a concentration of 152 ug/L.

MW-3: Cis-1,2-dichloroethene was reported at a concentration of 1.5 ug/L. Barium was reported at a concentration of 30.5 ug/L.

MW-4: Chloroethane and 1,1-dichloroethane were reported at concentrations of 4.2 ug/L and 1.0 ug/L, respectively. Barium was reported at a concentration of 23.7 ug/L.

MW-6: Barium was reported at a concentration of 37.4 ug/L.

MW-7: Barium was reported at a concentration of 77 ug/L.

MW-8: Barium was reported at a concentration of 41.5 ug/L.

MW-9: Barium was reported at a concentration of 242 ug/L.

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

3.0 CONCLUSIONS

- The results of the April-June 2006 Semi-Annual monitoring event for the Central Carolina Tire Phase I/II tire monofill landfill indicate that low concentrations of EPA Method 8260 VOCs were identified in two of the groundwater samples. Chloroethane was identified at a concentration of 4.2 ug/L in the sample from well MW-4, which is well below the 2800 ug/L Standard for chloroethane. 1,1-Dichloroethane was identified at a concentration equal to the laboratory method reporting limit of 1.0 ug/L in the sample from well MW-4, which is below the 70 ug/L North Carolina Groundwater Standard for 1,1-dichloroethane. Cis-1,2-dichloroethene was identified at a concentration of 1.5 ug/L in the sample from well MW-3, which is below the 70 ug/L North Carolina Groundwater Standard for cis-1,2-dichloroethene. Analytical results for future sampling events will be used to confirm or refute the presence of these VOCs in site groundwater.

- The metal barium was detected in seven of the groundwater samples. The concentrations detected were below the North Carolina Groundwater Standard for barium.

- No VOCs or metals were detected in the surface water samples.

- No VOCs were detected in the QA/QC samples prepared by the analytical laboratory.

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

Sincerely,
WITHERS & RAVENEL, INC.

NORTH CAROLINA LICENSED SEAL 1994 GEOLOGIST JOHN MARK PALMER

John M. Palmer, P.G.
Project Geologist

Cc: Mr. Thomas Womble

TABLES

Table 1
Monitoring Well and Groundwater Data
April-June 2006 Sampling Event
Phase I/II Tire Monofill Landfill (Existing)
Harnett County, North Carolina
W&R Project No. 202334.09

Well Location	Approximate Northing	Approximate Easting	Approximate Ground Surface Elevation (Ft MSL)	Depth to GW BTOC (Feet)	Field Parameters			Well Depth (Ft BLS)	Screened Interval (Ft BLS)
					Temp. C°	pH	S.C. umhos/cm		
MW-2	546711.83	1954218.21	308.95	4.30	12.4	4.60	61	20.0	20.0 - 5.0
MW-3	546886.19	1954475.36	316.35	9.28	14.5	4.79	37	20.0	20.0 - 5.0
MW-4	547466.86	1954319.02	324.68	4.41	14.0	4.92	49	20.0	20.0 - 5.0
MW-5	546388.13	1953339.01	318.92	4.85	13.6	5.63	75	20.0	18.0 - 3.0
MW-6	546330.17	1953877.76	302.84	6.64	12.9	4.56	51	25.0	25.0 - 5.0
MW-7	546779.37	1953737.43	313.30	5.87	14.6	4.52	39	20.0	19.0 - 4.0
MW-8	547742.98	1953546.78	344.38	6.82	14.4	4.82	31	20.0	19.0 - 4.0
MW-9	547233.05	1952853.43	374.69	23.18	16.8	4.51	104	30.0	30.0 - 15.0

Notes: BTOC = Below Top of Casing
GW = Groundwater
Ft MSL = Measured in Feet Mean Sea Level
Ft BLS = Measured in Feet Below Land Surface
S.C. = Specific Conductance
All Monitoring Wells are constructed of 2" PVC
Northing / Easting and Surface Elevations for MW-2 through MW-8 were estimated from Richard Rust's drawing "Central Carolina Tire Monofill Phase II Permitting" dated March 1996.
Northing / Easting and Surface Elevation for MW-9 was estimated from Richard Rust's Request to Abandon MW-1 correspondance to NCDENR dated November 2001.
Monitoring Well construction details derived from original well construction records by: Blackwelder Environmental Boring & Drilling dated May 1992 (MW-2 through MW-4); Special, Inc. dated September 1995 (MW-5 through MW-8) ; and J&L Drilling dated April 2001 (MW-9).

Table 2
Laboratory Results
April-June 2006 Sampling Event
Phase I/II Tire Monofill Landfill (Existing)
Harnett County, North Carolina

ORGANIC CONSTITUENTS (in ug/L)	SW-1	SW-2	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	RL (in ug/L)	NCAC 2L STD (in ug/L)
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	700
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	N/A
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.56
Bromoform (Tribromoethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	4.43
Bromomethane (Methyl Bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
2-Butanone (MEK), (Methyl Ethyl Ketone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	4200
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	700
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.269
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	50
Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	1.0	2800
Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	70
1,2-Dibromo-3-Chloropropane (DBCP)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.025
Dibromochloromethane (Chlorodibromomethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.41
1,2,-Dibromoethane (Ethylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.0004
Dibromomethane (Methylene Bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
1,2-Dichlorobenzene (O-Dichlorobenzene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	620
1,4-Dichlorobenzene (P-Dichlorobenzene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	75
Trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
1,1-Dichloroethane	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	70
1,2-Dichloroethane (Ethylene Dichloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.38
1,1-Dichloroethene (Vinylidene Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	7
Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	1.0	70
T-1,2-Dichloroethene (Trans-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	70
1,2-Dichloropropane (Propylene Dichloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.56
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.19
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	29
Iodomethane (Methyl Iodide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	N/A
2-Hexanone (Methyl Butyl Ketone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	280
Methyl Chloride (Chloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	2.6
Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	5
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	N/A
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	100
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.17
Tetrachloroethene (Tetrachloroethylene), (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	1000
1,1,1-Trichloroethane (Methylchloroform)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	200
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
Trichloroethene (Trichloroethylene), (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	2.8
Trichlorofluoromethane (CFC-11)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	N/A
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.005
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	N/A
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	0.015
m,p-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	530
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	530
INORGANIC CONSTITUENTS (in ug/L)											**RL (in ug/L)**	**NCAC 2L STD (in ug/L)**
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	50
Barium	ND	ND	152.0	30.5	23.7	ND	37.4	77.0	41.5	242.0	20.0	2000
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	1.75
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	50
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	15
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	1.05
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	50
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	17.5

Notes:
NCAC 2L STD = North Carolina Groundwater Standard established in Title 15A of North Carolina Administrative Code Subchapter 2L
RL = Laboratory Reporting Limit
ND = Not Detected at concentration above reporting limit

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

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-2									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	94	130	113	135	170	180	170	152
Cadmium	1.75	ND	1.4	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-3									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	16	11	17	13	ND	ND	ND	30.5
Cadmium	1.75	ND	ND	ND	ND	ND	ND	1	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND
C-1,2-Dichloroethene	70	NA	NA	NA	NA	1.5	1.0	ND	1.5

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-4									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	34	27	32	14	ND	ND	ND	23.7
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	5	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2800	ND	ND	ND	ND	ND	3.0	ND	4.2
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	3.0	ND	1.0
1,2-Dichloroethane	0.38	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-5									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	16	23	24	15	ND	ND	ND	ND
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	7	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-6									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	33	47	48	44	ND	ND	ND	37.4
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results in parts per billion (ppb)

ND - Not Detected above the Practical Quantitation Limit

NA - Not analyzed for or not available

Laboratory results in bold exceed 2L standards

Results for sampling conducted prior to November 2004 as presented in previous GW reports prepared by Richard R. Rust.

Results for the 11/9/04 sampling event represent the findings of the initial sampling activities conducted by Withers&Ravenel.

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

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-2									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	94	130	113	135	170	180	170	152
Cadmium	1.75	ND	1.4	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-3									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	16	11	17	13	ND	ND	ND	30.5
Cadmium	1.75	ND	ND	ND	ND	ND	ND	1	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND
C-1,2-Dichloroethene	70	NA	NA	NA	NA	1.5	1.0	ND	1.5

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-4									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	34	27	32	14	ND	ND	ND	23.7
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	5	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2800	ND	ND	ND	ND	ND	3.0	ND	4.2
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	3.0	ND	1.0
1,2-Dichloroethane	0.38	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-5									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	16	23	24	15	ND	ND	ND	ND
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	7	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Date:	2L Standard	10/30/2002	4/15/2003	10/23/2003	3/24/2004	11/9/2004	6/23/2005	10/26/2005	3/30/2006
Well No: MW-6									
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	33	47	48	44	ND	ND	ND	37.4
Cadmium	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1.05	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	50	ND	ND	ND	ND	ND	ND	ND	ND
Silver	17.5	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results in parts per billion (ppb)

ND - Not Detected above the Practical Quantitation Limit

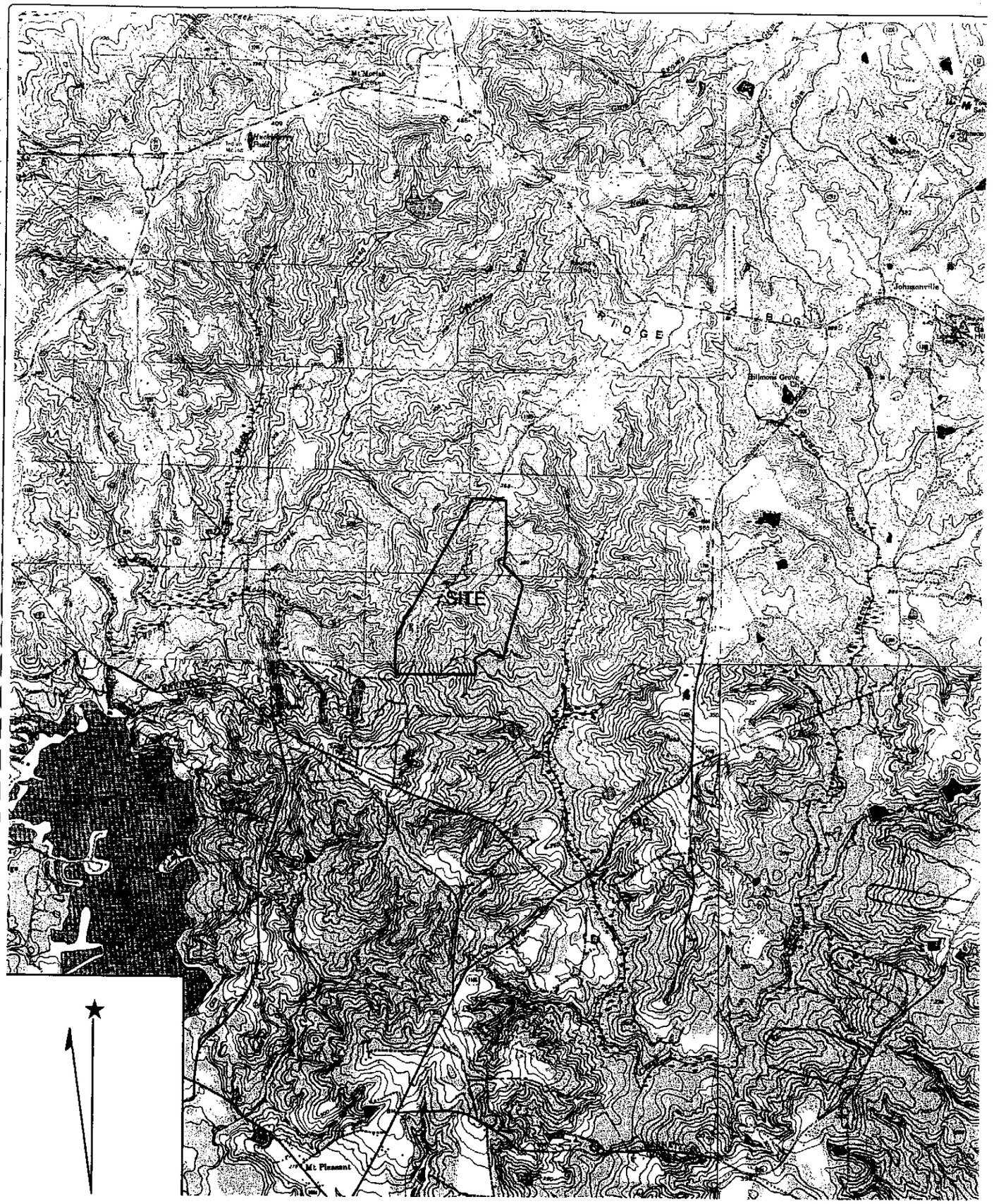
NA - Not analyzed for or not available

Laboratory results in bold exceed 2L standards

Results for sampling conducted prior to November 2004 as presented in previous GW reports prepared by Richard R. Rust.

Results for the 11/9/04 sampling event represent the findings of the initial sampling activities conducted by Withers&Ravenel.

FIGURES

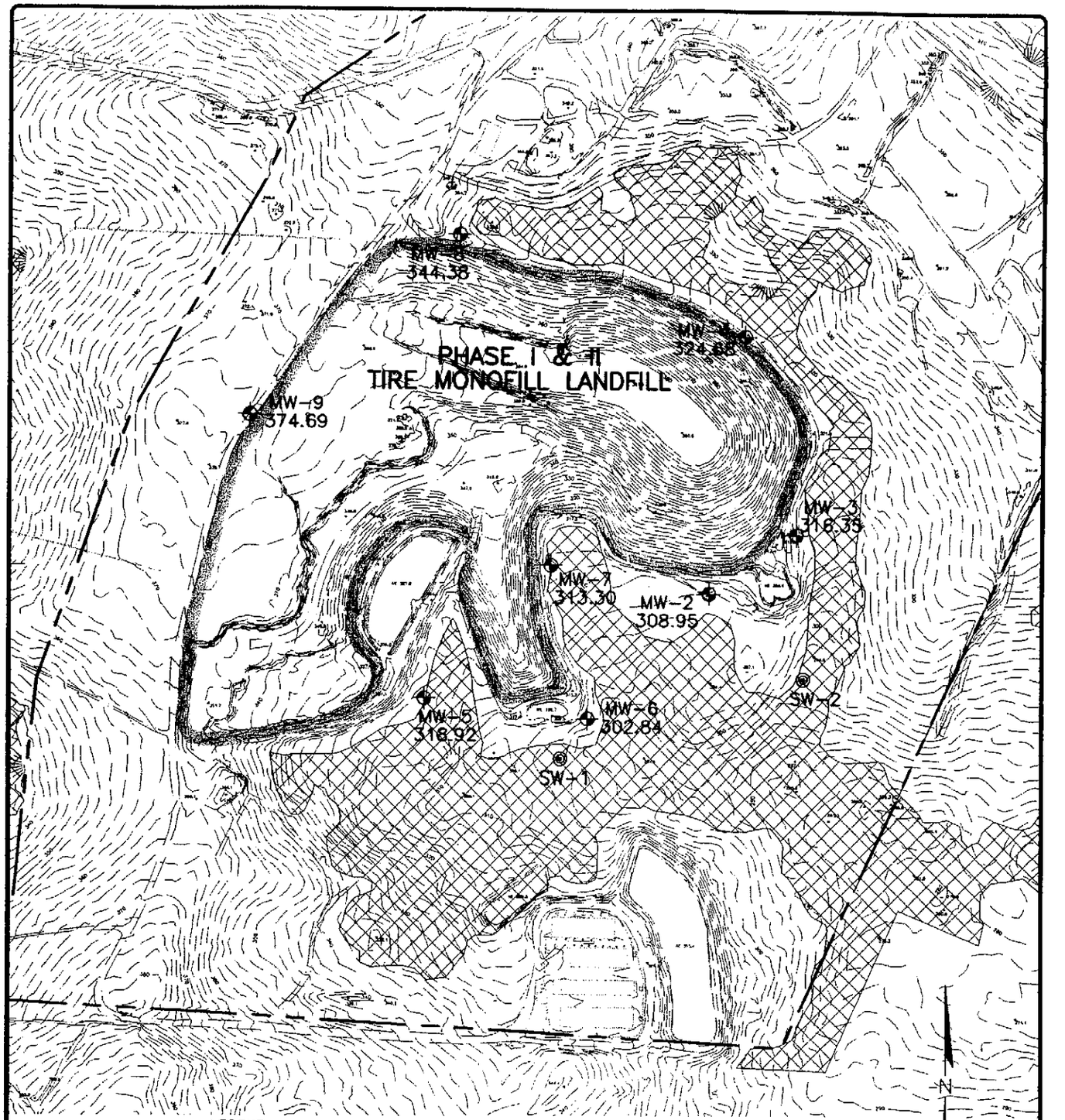


WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS
111 MacKenan Drive Cary, North Carolina 27511 www.withersravenel.com
tel: 919-460-8006 fax: 919-535-4545

CENTRAL CAROLINA TIRE
1616 McCoy Town Road
Cameron, North Carolina

USGS Murchistown, NC
7.5 min. Quadrangle

DRAWN BY:	SCALE:	FIGURE NO.
JMP	1:1200	1
APPROVED BY:	DATE:	JOB NO:
ML	11/24/04	202334.0



LEGEND

◎ SW-1	SURFACE WATER MONITORING LOCATION
✦ MW-9 374.69	GROUNDWATER MONITORING WELL W/ APPROX. GROUND ELEVATION
▨	WETLANDS
⌒	TOPOGRAPHIC CONTOUR
— — —	PROPERTY BOUNDARY

GRAPHIC SCALE 1"=400'

0 400 800 1200

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111 MacKenan Drive Cary, North Carolina 27511 tel: 919-469-3340 fax: 919-535-4545

www.withersravenel.com

CENTRAL CAROLINA TIRE

PHASE I & II
TIRE MONOFILL LANDFILL

DRAWN BY:	SCALE:	FIGURE NO.
DOU	1"=400'	2
APPROVED BY:	DATE:	JOB NO:
JP	11/24/04	202334.09

APPENDIX A

PRE-SAMPLING / WELL PURGING FIELD LOGS

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PRE-SAMPLING WELL PURGING

PROJECT Central Carolina Tire

WELL NUMBER MW-2

WELL INSIDE DIAMETER 2 INCHES

DEPTH OF BOTTOM 20.0 FEET

DEPTH TO WATER 4.30 FEET

1 WELL VOLUME 2.75 GALLONS

SAMPLED BY JMP

PROJECT NUMBER 02020334.09

DATE 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) LOW 70's

WEATHER CONDITIONS MOSTLY CLR, LT. BRZ.

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	4.30				
WATER LEVEL AFTER	—				
TIME BEGIN FLUSHING	1530				
TIME END FLUSHING	—			1559	
ESTIMATED VOLUME FLUSHING (gal)	2.75	5.5	8.25	10.0	
WELL VOLUMES REMOVED	1	2	3	~3.5	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	13.6	12.6	12.5	12.4	
SAMPLE (ph)	4.78	4.69	4.63	4.60	
SAMPLE CONDUCTIVITY (umhos/cm)	66	64	62	61	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR	→	→	→	
Eh					
TURBIDITY	15	13	8	10	

COMMENTS Sample Time = 1600

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12= .0833 FT

h= 20.0 (WELL DEPTH) - 4.30 (DEPTH TO WATER) = 15.7 FT = h

3.14 x .00694 (r^2) x h = .342 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.56

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: Central Carolina Tire

WELL NUMBER: MW-3

WELL INSIDE DIAMETER: 2 INCHES

DEPTH OF BOTTOM: 22.6 FEET

DEPTH TO WATER: 9.28 FEET

1 WELL VOLUME: 2.25 GALLONS

SAMPLED BY: JMP

PROJECT NUMBER: 02020334.09

DATE: 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): LOW 70's

WEATHER CONDITIONS: CLEAR, LT. BRZ.

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

WITHDRAWAL OF WELL VOLUMES

FLUSHING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
WATER LEVEL BEFORE	9.28				
WATER LEVEL AFTER	/			12.56	
TIME BEGIN FLUSHING	1210				
TIME END FLUSHING	/			1309	
ESTIMATED VOLUME FLUSHING (gal)	2.25	4.5	6.75	7.75	
WELL VOLUMES REMOVED	1	2	3	~3.5	

FIELD ANALYSIS					
WATER TEMPERATURE (°C)	15.6	14.6	14.4	14.5	
SAMPLE (ph)	5.15	5.06	4.84	4.79	
SAMPLE CONDUCTIVITY (umhos/cm)	34	34	35	37	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	SLIGHTLY CLOUDY	CLEAR	→	→	
Eh					
TURBIDITY	46	2	9	5	

COMMENTS: Sample Time = 1310

* RECALIBRATED HORIBA PRIOR TO INITIATING PURGE THIS LOCATION

- SLOWED PUMP TO 50% AFTER 3rd WELL VOLUME

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12 = .0833 FT

h = 22.6 (WELL DEPTH) - 9.28 (DEPTH TO WATER) = 13.32 FT = h

3.14 x .00694 (r^2) x h = .290 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.17

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ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT Central Carolina Tire

WELL NUMBER MW-4

WELL INSIDE DIAMETER 2 INCHES

DEPTH OF BOTTOM 19.1 FEET

DEPTH TO WATER 4.41 FEET

1 WELL VOLUME 2.5 GALLONS

SAMPLED BY JMP

PROJECT NUMBER 02020334.09

DATE 3/30/02 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) LOW 70's

WEATHER CONDITIONS MOSTLY CLR, LT. BRZ.

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	4.41				
WATER LEVEL AFTER	/			4.56	
TIME BEGIN FLUSHING	1440				
TIME END FLUSHING	/			1525	
ESTIMATED VOLUME FLUSHING (gal)	2.5	5.0	7.5	8.75	
WELL VOLUMES REMOVED	1	2	3	~3.5	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	14.4	14.7	14.3	14.0	
SAMPLE (ph)	5.10	4.79	4.9	4.92	
SAMPLE CONDUCTIVITY (umhos/cm)	47	48	49	49	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR	→	→	→	
Eh					
TURBIDITY	21	7	2	0	

COMMENTS Sample Time = 1526

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12= .0833 FT

h= 19.1 (WELL DEPTH) - 4.41 (DEPTH TO WATER) = 14.69 FT = h

3.14 x .00694 (r^2) x h = .320 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.40

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT Central Carolina Tire

WELL NUMBER MW-5

WELL INSIDE DIAMETER 2 INCHES

DEPTH OF BOTTOM 18.3 FEET

DEPTH TO WATER 4.85 FEET

1 WELL VOLUME 2.25 GALLONS

SAMPLED BY JMP

PROJECT NUMBER 02020334.09

DATE 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) HIGH 50's

WEATHER CONDITIONS CLEAR, LT. BRZ.

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

FLUSHING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
WATER LEVEL BEFORE	4.85				
WATER LEVEL AFTER	/			8.90	
TIME BEGIN FLUSHING	0924				
TIME END FLUSHING	/			0952	
ESTIMATED VOLUME FLUSHING (gal)	2.25	4.5	6.75	9.0	
WELL VOLUMES REMOVED	1	2	3	4	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	14.1	13.7	13.7	13.6	
SAMPLE (ph)	5.28	5.66	5.66	5.63	
SAMPLE CONDUCTIVITY (umhos/cm)	101	80	75	75	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR	→	→	→	
Eh					
TURBIDITY	10	4	5	9	

COMMENTS Sample Time = 0953

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12= .0833 FT

h= 18.3 (WELL DEPTH) - 4.85 (DEPTH TO WATER) = 13.45 FT = h

3.14 x .00694 (r^2) x h = .293 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.19

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: Central Carolina Tire

WELL NUMBER: MW-6

WELL INSIDE DIAMETER: 2 INCHES

DEPTH OF BOTTOM: 26.5 FEET

DEPTH TO WATER: 6.64 FEET

1 WELL VOLUME: 3.25 GALLONS

SAMPLED BY: JMP

PROJECT NUMBER: 02020334.09

DATE: 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): LOW 60's

WEATHER CONDITIONS: CLEAR, LT. BRZ

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

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	6.64				
WATER LEVEL AFTER	—			12.74	
TIME BEGIN FLUSHING	1004				
TIME END FLUSHING	—			1058	
ESTIMATED VOLUME FLUSHING (gal)	3.25	6.5	9.75	11.25	
WELL VOLUMES REMOVED	1	2	3	~3.5	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	13.8	12.7	12.7	12.9	
SAMPLE (ph)	4.88	4.65	4.58	4.56	
SAMPLE CONDUCTIVITY (umhos/cm)	52	51	51	51	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR	→	→	→	
Eh					
TURBIDITY	16	8	7	3	

COMMENTS: Sample Time = 1059

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12= .0833 FT

h= 26.5 (WELL DEPTH) - 6.64 (DEPTH TO WATER) = 19.86 FT = h

3.14 x .00694 (r^2) x h = .433 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 3.24

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT Central Carolina Tire

WELL NUMBER MW-7

WELL INSIDE DIAMETER 2 INCHES

DEPTH OF BOTTOM 21.3 FEET

DEPTH TO WATER 5.87 FEET

1 WELL VOLUME 2.5 GALLONS

SAMPLED BY JMP

PROJECT NUMBER 02020334.09

DATE 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) MID 60's

WEATHER CONDITIONS CLEAR, LT. BRZ.

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

PERISTALTIC PUMP / HORIBA U-10

WITHDRAWAL OF WELL VOLUMES

FLUSHING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
WATER LEVEL BEFORE	5.87				
WATER LEVEL AFTER	/			5.85	
TIME BEGIN FLUSHING	1115				
TIME END FLUSHING	/			1149	
ESTIMATED VOLUME FLUSHING (gal)	2.5	5.0	7.5	8.75	
WELL VOLUMES REMOVED	1	2	3	~ 3.5	

FIELD ANALYSIS					
WATER TEMPERATURE (°C)	14.6	14.4	14.5	14.6	
SAMPLE (ph)	4.67	4.54	4.49	4.52	
SAMPLE CONDUCTIVITY (umhos/cm)	100	41	39	39	
BUFFER BEFORE					
BUFFER AFTER					
ODOR	SULPHUR	→	NONE	→	
COLOR	SOMEWHAT CLOUDY	→	CLEAR	→	
Eh					
TURBIDITY	82	98	14	10	

COMMENTS Sample Time = 1150

* REDUCED PUMP RATE TO 50% AFTER 2ND WELL VOLUME

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12= .0833 FT

h= 21.3 (WELL DEPTH) - 5.87 (DEPTH TO WATER) = 15.43 FT = h

3.14 x .00694 (r^2) x h = .336 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.52

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: Central Carolina Tire
WELL NUMBER: MW-8
WELL INSIDE DIAMETER: 2 INCHES
DEPTH OF BOTTOM: 22.9 FEET
DEPTH TO WATER: 6.82 FEET
1 WELL VOLUME: 2.75 GALLONS

SAMPLED BY: JMP
PROJECT NUMBER: 02020334.09
DATE: 3/30/06 PAGE 1 OF 1
AIR TEMPERATURE (FAHRENHEIT): LOW 70's
WEATHER CONDITIONS: MOSTLY CLEAR, CALM

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

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE	6.82				
WATER LEVEL AFTER				7.44	
TIME BEGIN FLUSHING	1328				
TIME END FLUSHING				1424	
ESTIMATED VOLUME FLUSHING (gal)	2.75	5.50	8.25	10.5	
WELL VOLUMES REMOVED	1	2	3	~3.5	
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	15.5	14.6	14.5	14.4	
SAMPLE (ph)	4.98	4.98	4.90	4.82	
SAMPLE CONDUCTIVITY (umhos/cm)	33	31	31	31	
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLOUDY	SLIGHTLY CLOUDY	CLEAR	→	
Eh					
TURBIDITY	389	30	12	7	

COMMENTS: Sample Time = 1425
* SLOWED PUMP TO 70% AFTER 1ST WELL VOLUME

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)
$\pi r^2 \times h$ = WELL VOLUME IN FT^3
π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET
H = HEIGHT OF WATER COLUMN IN WELL IN FEET
CONVERSION FROM FT^3 TO GALLONS = 7.48 gal/ft^3

Well radius = 1 IN/12= .0833 FT
h= 22.9 (WELL DEPTH) - 6.82 (DEPTH TO WATER) = 16.08 FT = h
3.14 x .00694 (r^2) x h = .351 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 2.62

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: Central Carolina Tire

WELL NUMBER: MW-9

WELL INSIDE DIAMETER: 2 INCHES

DEPTH OF BOTTOM: 32.5 FEET

DEPTH TO WATER: 23.18 FEET

1 WELL VOLUME: 1.5 GALLONS

SAMPLED BY: JMP

PROJECT NUMBER: 02020334.09

DATE: 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): LOW 50's

WEATHER CONDITIONS: CLEAR, BREEZY

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

WITHDRAWAL OF WELL VOLUMES

FLUSHING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
WATER LEVEL BEFORE	23.18				
WATER LEVEL AFTER	/				23.38
TIME BEGIN FLUSHING	0848				
TIME END FLUSHING	/				1735
ESTIMATED VOLUME FLUSHING (gal)	1.5	3.0	4.5	6.0	6.75
WELL VOLUMES REMOVED	1	2	3	4	~ 4.5

FIELD ANALYSIS					
WATER TEMPERATURE (°C)	16.7	16.7	16.9	16.9	16.8
SAMPLE (ph)	4.67	4.57	4.55	4.54	4.51
SAMPLE CONDUCTIVITY (umhos/cm)	167	119	109	104	104
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLOUDY	→	CLEAR	→	→
Eh					
TURBIDITY	750	387	23	14	18

COMMENTS: Sample Time = 1736

*CALIBRATED HORIBA PRIOR TO INITIATING PURGE THIS LOCATION. SLOWED PUMP TO 50% AFTER 1ST + SLOWED PUMP TO 10% AFTER 2ND WELL VOLUME.

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

$\pi = 3.14$

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = 1 IN/12 = .0833 FT

h = 32.5 (WELL DEPTH) - 23.18 (DEPTH TO WATER) = 9.32 FT = h

3.14 x .00694 (r^2) x h = .203 FT^3 x 7.48 gal/ft^3 = 1 WELL VOLUME IN GAL = 1.52

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT: Central Carolina Tire

WELL NUMBER: SW-1

WELL INSIDE DIAMETER: NA INCHES

DEPTH OF BOTTOM: NA FEET

DEPTH TO WATER: _____ FEET

1 WELL VOLUME: _____ GALLONS

SAMPLED BY: JMP

PROJECT NUMBER: 02020334.09

DATE: 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT): HIGH 60's

WEATHER CONDITIONS: CLEAR, LT. BRE.

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

WITHDRAWAL OF WELL VOLUMES

	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
FLUSHING					
WATER LEVEL BEFORE					
WATER LEVEL AFTER					
TIME BEGIN FLUSHING					
TIME END FLUSHING					
ESTIMATED VOLUME FLUSHING (gal)					
WELL VOLUMES REMOVED					
FIELD ANALYSIS					
WATER TEMPERATURE (°C)	13.2				
SAMPLE (ph)	4.29				
SAMPLE CONDUCTIVITY (umhos/cm)	31				
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR				
Eh					
TURBIDITY	41				

COMMENTS: Sample Time = 1220

* ORGANIC PARTICLES PRESENT IN SAMPLE.

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = _____ IN/12= _____ FT

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

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

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

PRE-SAMPLING WELL PURGING

PROJECT Central Carolina Tire

WELL NUMBER SW-2

WELL INSIDE DIAMETER NA INCHES

DEPTH OF BOTTOM NA FEET

DEPTH TO WATER _____ FEET

1 WELL VOLUME _____ GALLONS

SAMPLED BY JMP

PROJECT NUMBER 02020334.09

DATE 3/30/06 PAGE 1 OF 1

AIR TEMPERATURE (FAHRENHEIT) MID 60's

WEATHER CONDITIONS CLEAR, LT. BRZ.

METHOD OF EXCAVATION AND TYPE OF EQUIPMENT USED

TEFLON SCOOP / HORIB

WITHDRAWAL OF WELL VOLUMES

FLUSHING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
WATER LEVEL BEFORE					
WATER LEVEL AFTER					
TIME BEGIN FLUSHING					
TIME END FLUSHING					
ESTIMATED VOLUME FLUSHING (gal)					
WELL VOLUMES REMOVED					

FIELD ANALYSIS					
WATER TEMPERATURE (°C)	13.1				
SAMPLE (ph)	5.68				
SAMPLE CONDUCTIVITY (umhos/cm)	36				
BUFFER BEFORE					
BUFFER AFTER					
ODOR					
COLOR	CLEAR				
Eh					
TURBIDITY	8				

COMMENTS Sample Time = 1040

* SOME ORGANIC DEBRI PRESENT IN SAMPLE.

WELL VOLUME CALCULATIONS (1cf = 7.48 gal)

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

π = 3.14

R = RADIUS IN INCHES/12 = RADIUS IN FEET

H = HEIGHT OF WATER COLUMN IN WELL IN FEET

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

Well radius = _____ IN/12= _____ FT

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

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

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

Page 1 of 1

Client Name: Withers & Ravenel ~~Environmental~~ (W 019)	Project Number: [1019]
Address: 111 Mackenan Drive	Project Name/Desc: Central Carolina Tire Ph. I & II
City/ST/Zip: Cary, NC 27511	PO # / Billing Info: 02020334.09
Tel: (919) 469-3340 / Fax: (919) 535-4545	Reporting Contact: JOHN PALMER
Sampler(s) Name, Affiliation (Print): JOHN PALMER	Billing Contact: SAME
Sampler(s) Signature: [signature]	Facility # (if required)

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C600577

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix I	As,Ba,Cd,Cr,Pb,Hg,Se,Ag									Sample Comments
	MW-2	3/30/06	1600	G	Water	4	X	X									
	MW-3		1310		Water	4	X	X									
	MW-4		1526		Water	4	X	X									
	MW-5		0953		Water	4	X	X									
	MW-6		1059		Water	4	X	X									
	MW-7		1150		Water	4	X	X									
	MW-8		1425		Water	4	X	X									
	MW-9		1736		Water	4	X	X									
	SW-1		1220		Water	4	X	X									
	SW-2	3/30/06	1040	G	Water	4	X	X									
	TRIP BLANK	—	—	—	"	3	X										

<-- Total # of Containers

Sample Kit Prepared By: [signature]	Date/Time: 1445	Relinquished By: [signature]	Date/Time: 0730 / 3/31/06	Received By: [signature]	Date/Time: 3/31/06
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

APPENDIX B

LABORATORY ANALYTICAL RESULTS

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

Thursday, April 13, 2006

Withers & Ravenel Environmental (WI009)
Attn: John Palmer
111 MacKenan Drive
Cary, NC 27511

RE: Project Number: [none], Project Name/Desc: Central Carolina Tire Ph. I & II
ENCO Workorder: C600577

Dear John Palmer,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, March 31, 2006.

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

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

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

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

Sincerely,

Bob George For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 42.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-2 **Lab ID:** C600577-01

Sampled: 03/30/06 16:00 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 18:23
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 14:51
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 14:01

Client ID: MW-3 **Lab ID:** C600577-02

Sampled: 03/30/06 13:10 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 18:44
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 14:57
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 14:27

Client ID: MW-4 **Lab ID:** C600577-03

Sampled: 03/30/06 15:26 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 18:51
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:08
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 14:54

Client ID: MW-5 **Lab ID:** C600577-04

Sampled: 03/30/06 09:53 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:12
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:10
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 15:20

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Client ID: MW-6 **Lab ID:** C600577-05

Sampled: 03/30/06 10:59 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:19
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:12
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 15:45

Client ID: MW-7 **Lab ID:** C600577-06

Sampled: 03/30/06 11:50 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:26
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:14
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 16:11

Client ID: MW-8 **Lab ID:** C600577-07

Sampled: 03/30/06 14:25 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:33
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:16
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 16:37

Client ID: MW-9 **Lab ID:** C600577-08

Sampled: 03/30/06 17:36 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:40
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:19
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 17:03

Client ID: SW-1 **Lab ID:** C600577-09

Sampled: 03/30/06 12:20 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:47
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:20
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 17:28

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Client ID: SW-2 **Lab ID:** C600577-10

Sampled: 03/30/06 10:40 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	09/26/06	04/03/06 10:41	4/7/2006 19:54
EPA 7470A	04/27/06	04/04/06 09:27	4/4/2006 15:22
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 17:55

Client ID: Trip Blank **Lab ID:** C600577-11

Sampled: 03/30/06 00:00 **Received:** 03/31/06 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/13/06	04/04/06 09:42	4/4/2006 18:23

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SAMPLE DETECTION SUMMARY

Client ID: MW-2 **Lab ID:** C600577-01

Analyte	Results/Qual	MRL	Units	Method
Barium	152	20.0	ug/L	EPA 6010B

Client ID: MW-3 **Lab ID:** C600577-02

Analyte	Results/Qual	MRL	Units	Method
Barium	30.5	20.0	ug/L	EPA 6010B
cis-1,2-Dichloroethene	1.5	1.0	ug/L	EPA 8260B

Client ID: MW-4 **Lab ID:** C600577-03

Analyte	Results/Qual	MRL	Units	Method
1,1-Dichloroethane	1.0	1.0	ug/L	EPA 8260B
Barium	23.7	20.0	ug/L	EPA 6010B
Chloroethane	4.2	1.0	ug/L	EPA 8260B

Client ID: MW-6 **Lab ID:** C600577-05

Analyte	Results/Qual	MRL	Units	Method
Barium	37.4	20.0	ug/L	EPA 6010B

Client ID: MW-7 **Lab ID:** C600577-06

Analyte	Results/Qual	MRL	Units	Method
Barium	77.0	20.0	ug/L	EPA 6010B

Client ID: MW-8 **Lab ID:** C600577-07

Analyte	Results/Qual	MRL	Units	Method
Barium	41.5	20.0	ug/L	EPA 6010B

Client ID: MW-9 **Lab ID:** C600577-08

Analyte	Results/Qual	MRL	Units	Method
Barium	242	20.0	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-01	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-01	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.6	50.0	111 %	70-130
Dibromofluoromethane	1868-53-7	56.1	50.0	112 %	73-138
Toluene-d8	2037-26-5	52.9	50.0	106 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-01	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**152**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-02	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	**1.5**	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-02	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54.2	50.0	108 %	70-130
Dibromofluoromethane	1868-53-7	53.2	50.0	106 %	73-138
Toluene-d8	2037-26-5	48.9	50.0	98 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-02	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**30.5**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-03	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	**1.0**	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	**4.2**	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-03	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56.6	50.0	113 %	70-130
Dibromofluoromethane	1868-53-7	52.0	50.0	104 %	73-138
Toluene-d8	2037-26-5	50.8	50.0	102 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-03	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**23.7**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-5	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-04	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-5	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-04	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57.9	50.0	116 %	70-130
Dibromofluoromethane	1868-53-7	52.8	50.0	106 %	73-138
Toluene-d8	2037-26-5	52.4	50.0	105 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-5
Lab #: C600577-04

Project: Central Carolina Tire Ph. I & II
Work Order #: C600577
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	20.0 U	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-05	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-05	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.0	50.0	110 %	70-130
Dibromofluoromethane	1868-53-7	54.0	50.0	108 %	73-138
Toluene-d8	2037-26-5	56.1	50.0	112 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-05	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**37.4**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-7	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-06	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-7	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-06	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.7	50.0	111 %	70-130
Dibromofluoromethane	1868-53-7	52.3	50.0	105 %	73-138
Toluene-d8	2037-26-5	52.1	50.0	104 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-7	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-06	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**77.0**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-8	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-07	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-8	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-07	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	58.4	50.0	117 %	70-130
Dibromofluoromethane	1868-53-7	55.2	50.0	110 %	73-138
Toluene-d8	2037-26-5	53.9	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-8
Lab #: C600577-07

Project: Central Carolina Tire Ph. I & II
Work Order #: C600577
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**41.5**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-08	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-08	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57.7	50.0	115 %	70-130
Dibromofluoromethane	1868-53-7	54.4	50.0	109 %	73-138
Toluene-d8	2037-26-5	54.4	50.0	109 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-08	Work Order #:	C600577
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	**242**	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-09	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-09	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57.2	50.0	114 %	70-130
Dibromofluoromethane	1868-53-7	55.3	50.0	111 %	73-138
Toluene-d8	2037-26-5	53.1	50.0	106 %	77-118

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-09	Work Order #:	C600577
		Matrix:	Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	20.0 U	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-10	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-10	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	59.6	50.0	119 %	70-130
Dibromofluoromethane	1868-53-7	56.7	50.0	113 %	73-138
Toluene-d8	2037-26-5	54.5	50.0	109 %	77-118

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-10	Work Order #:	C600577
		Matrix:	Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Mercury	7439-97-6	0.20 U	0.20	ug/L	EPA 7470A	EPA 7470A	6D04006

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	Units
Arsenic	7440-38-2	10.0 U	10.0	ug/L
Barium	7440-39-3	20.0 U	20.0	ug/L
Cadmium	7440-43-9	1.0 U	1.0	ug/L
Chromium	7440-47-3	10.0 U	10.0	ug/L
Lead	7439-92-1	10.0 U	10.0	ug/L
Selenium	7782-49-2	10.0 U	10.0	ug/L
Silver	7440-22-4	10.0 U	10.0	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-11	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	71-55-6	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	1.0 U	1.0	ug/L
1,1-Dichloroethane	75-34-3	1.0 U	1.0	ug/L
1,1-Dichloroethene	75-35-4	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	96-18-4	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.0 U	1.0	ug/L
1,2-Dibromoethane	106-93-4	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0	ug/L
1,2-Dichloroethane	107-06-2	1.0 U	1.0	ug/L
1,2-Dichloropropane	78-87-5	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	ug/L
2-Hexanone	591-78-6	2.0 U	2.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	ug/L
Acetone	67-64-1	2.0 U	2.0	ug/L
Acrylonitrile	107-13-1	5.0 U	5.0	ug/L
Benzene	71-43-2	1.0 U	1.0	ug/L
Bromochloromethane	74-97-5	1.0 U	1.0	ug/L
Bromodichloromethane	75-27-4	1.0 U	1.0	ug/L
Bromoform	75-25-2	1.0 U	1.0	ug/L
Bromomethane	74-83-9	1.0 U	1.0	ug/L
Carbon disulfide	75-15-0	2.0 U	2.0	ug/L
Carbon tetrachloride	56-23-5	1.0 U	1.0	ug/L
Chlorobenzene	108-90-7	1.0 U	1.0	ug/L
Chloroethane	75-00-3	1.0 U	1.0	ug/L
Chloroform	67-66-3	1.0 U	1.0	ug/L
Chloromethane	74-87-3	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.0 U	1.0	ug/L
Dibromochloromethane	124-48-1	1.0 U	1.0	ug/L
Dibromomethane	74-95-3	1.0 U	1.0	ug/L
Ethylbenzene	100-41-4	1.0 U	1.0	ug/L
Iodomethane	74-88-4	2.0 U	2.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.0 U	2.0	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Central Carolina Tire Ph. I & II
Lab #:	C600577-11	Work Order #:	C600577
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/04/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6D04008		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	Units
Methylene chloride	75-09-2	1.0 U	1.0	ug/L
o-Xylene	95-47-6	1.0 U	1.0	ug/L
Styrene	100-42-5	1.0 U	1.0	ug/L
Tetrachloroethene	127-18-4	1.0 U	1.0	ug/L
Toluene	108-88-3	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	ug/L
Trichloroethene	79-01-6	1.0 U	1.0	ug/L
Trichlorofluoromethane	75-69-4	1.0 U	1.0	ug/L
Vinyl acetate	108-05-4	2.0 U	2.0	ug/L
Vinyl chloride	75-01-4	1.0 U	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.3	50.0	111 %	70-130
Dibromofluoromethane	1868-53-7	55.2	50.0	110 %	73-138
Toluene-d8	2037-26-5	54.0	50.0	108 %	77-118

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 6D04008 - EPA 5030B_MS

Blank (6D04008-BLK1) Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 10:33

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

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6D04008 - EPA 5030B_MS										
Blank (6D04008-BLK1) Continued				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 10:33						
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.0*		*99*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*54.9*		*ug/L*	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*51.0*		*ug/L*	*50.0*		*102*	*73-138*			
Blank (6D04008-BLK2)				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 22:16						
Acetone	2.0 U	2.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	2.0 U	2.0	ug/L							
2-Hexanone	2.0 U	2.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	2.0 U	2.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	1.0 U	1.0	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	2.0 U	2.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	1.0 U	1.0	ug/L							
trans-1,3-Dichloropropene	1.0 U	1.0	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	1.0 U	1.0	ug/L							
Styrene	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6D04008 - EPA 5030B_MS										
Blank (6D04008-BLK2) Continued				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 22:16						
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*52.8*		*ug/L*	*50.0*		*106*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*53.5*		*ug/L*	*50.0*		*107*	*73-138*			
LCS (6D04008-BS1)				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 18:48						
Benzene	19.6	1.0	ug/L	20.0		98	69-115			
Trichloroethene	18.2	1.0	ug/L	20.0		91	74-118			
Chlorobenzene	19.1	1.0	ug/L	20.0		96	76-118			
1,1-Dichloroethene	23.1	1.0	ug/L	20.0		116	0-200			
Toluene	17.6	1.0	ug/L	20.0		88	77-117			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50.0*		*102*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/L*	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*53.7*		*ug/L*	*50.0*		*107*	*73-138*			
Matrix Spike (6D04008-MS1)				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 19:14						
Benzene	19.5	1.0	ug/L	20.0		98	53-150			
Trichloroethene	19.2	1.0	ug/L	20.0		96	64-124			
Chlorobenzene	19.6	1.0	ug/L	20.0		98	44-128			
1,1-Dichloroethene	21.8	1.0	ug/L	20.0		109	36-177			
Toluene	18.6	1.0	ug/L	20.0		93	40-161			
Surrogate: Toluene-d8	*53.4*		*ug/L*	*50.0*		*107*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50.0*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.0*		*101*	*73-138*			
Matrix Spike Dup (6D04008-MSD1)				Prepared: 04/04/2006 08:42 Analyzed: 04/04/2006 19:40						
Benzene	19.4	1.0	ug/L	20.0		97	53-150	0.5	23	
Trichloroethene	17.7	1.0	ug/L	20.0		88	64-124	8	25	
Chlorobenzene	18.2	1.0	ug/L	20.0		91	44-128	7	22	
1,1-Dichloroethene	21.7	1.0	ug/L	20.0		108	36-177	0.5	30	
Toluene	16.1	1.0	ug/L	20.0		80	40-161	14	23	
Surrogate: Toluene-d8	*54.2*		*ug/L*	*50.0*		*108*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*52.1*		*ug/L*	*50.0*		*104*	*73-138*			

Metals by EPA 6000/7000 Series Methods - Quality Control

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6D03008 - EPA 3005A										
Blank (6D03008-BLK1)				Prepared: 04/03/2006 10:41 Analyzed: 04/07/2006 18:09						
Arsenic	10.0 U	10.0	ug/L							
Barium	20.0 U	20.0	ug/L							
Cadmium	1.0 U	1.0	ug/L							
Chromium	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
LCS (6D03008-BS1)				Prepared: 04/03/2006 10:41 Analyzed: 04/07/2006 18:16						
Arsenic	1150	10.0	ug/L	1000		115	82-117			
Barium	982	20.0	ug/L	1000		98	72-125			
Cadmium	571	1.0	ug/L	500		114	72-120			
Chromium	1090	10.0	ug/L	1000		109	78-119			
Lead	1090	10.0	ug/L	1000		109	72-121			
Selenium	1160	10.0	ug/L	1000		116	82-127			
Silver	108	10.0	ug/L	100		108	80-128			
Matrix Spike (6D03008-MS1)		**Source: C600577-01**		Prepared: 04/03/2006 10:41 Analyzed: 04/07/2006 18:30						
Arsenic	1120	10.0	ug/L	1000	4.40	112	64-126			
Barium	1100	20.0	ug/L	1000	152	95	74-119			
Cadmium	556	1.0	ug/L	500	1.0 U	111	68-121			
Chromium	1060	10.0	ug/L	1000	10.0 U	106	73-120			
Lead	1060	10.0	ug/L	1000	10.0 U	106	68-126			
Selenium	1110	10.0	ug/L	1000	10.0 U	111	65-129			
Silver	107	10.0	ug/L	100	10.0 U	107	69-121			
Matrix Spike Dup (6D03008-MSD1)		**Source: C600577-01**		Prepared: 04/03/2006 10:41 Analyzed: 04/07/2006 18:37						
Arsenic	1150	10.0	ug/L	1000	4.40	115	64-126	3	12	
Barium	1140	20.0	ug/L	1000	152	99	74-119	4	11	
Cadmium	572	1.0	ug/L	500	1.0 U	114	68-121	3	12	
Chromium	1090	10.0	ug/L	1000	10.0 U	109	73-120	3	10	
Lead	1100	10.0	ug/L	1000	10.0 U	110	68-126	4	19	
Selenium	1140	10.0	ug/L	1000	10.0 U	114	65-129	3	10	
Silver	108	10.0	ug/L	100	10.0 U	108	69-121	0.9	12	
Batch 6D04006 - EPA 7470A										
Blank (6D04006-BLK1)				Prepared: 04/04/2006 09:27 Analyzed: 04/04/2006 14:47						
Mercury	0.20 U	0.20	ug/L							
LCS (6D04006-BS1)				Prepared: 04/04/2006 09:27 Analyzed: 04/04/2006 14:49						
Mercury	5.49	0.20	ug/L	5.26		104	81-126			
Matrix Spike (6D04006-MS1)		**Source: C600577-01**		Prepared: 04/04/2006 09:27 Analyzed: 04/04/2006 14:53						
Mercury	4.95	0.20	ug/L	5.26	0.20 U	94	70-136			
Matrix Spike Dup (6D04006-MSD1)		**Source: C600577-01**		Prepared: 04/04/2006 09:27 Analyzed: 04/04/2006 14:55						
Mercury	4.78	0.20	ug/L	5.26	0.20 U	91	70-136	3	12	

NOTES AND DEFINITIONS

U	Analyte included in the analysis, but not detected