

August 25, 2023

Ms. Linda Blalock  
**North Carolina Department of Environmental Quality**  
**Division of Waste Management – Underground Storage Tank Section**  
1646 Mail Service Center  
Raleigh, North Carolina 27699

**Subject: Groundwater Monitoring Report**  
**Townsville Auto Parts**  
**12590 NC Highway 39**  
**Townsville, Vance County, North Carolina**  
**NCDEQ Incident No. 5620**  
**ATC Project No.: SLC0562001**

Dear Ms. Blalock:

ATC Associates of North Carolina, P.C. (ATC) is submitting the enclosed Groundwater Monitoring Report for the Townsville Auto Parts site. The report presents investigative procedures, field activities, and laboratory analytical results for a groundwater sampling event conducted in July 2023.

If you have any questions or require additional information, please contact our office at (919) 871-0999.

Sincerely,  
**ATC Associates of North Carolina, P.C.**



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**Attachments:**

1. Groundwater Monitoring Report



ASSOCIATES OF NORTH CAROLINA, P.C.

**Prepared for:**

North Carolina Department of Environmental Quality  
Division of Waste Management – Underground Storage Tank Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699

**GROUNDWATER MONITORING REPORT  
TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA**

ATC Project No. SLC0562001

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## 1.0 SITE IDENTIFICATION

### 1. Site Identification

Date of Report: 8/25/2023 UST Number: RA-823  
Facility I.D.: 00-0-000001435 UST Incident Number (if known): 5620  
Site Risk: High Site Rank: H1110A Land Use Category: Commercial  
Site Name: Townsville Auto Parts  
Site Street Address: 12590 NC Highway 39  
City/Town: Townsville Zip Code: 27565 County: Vance  
Description of Geographical Data Point: On-site Building  
Location Method: Google Earth  
Latitude (decimal degrees): 35.494262° N Longitude (decimal degrees): 78.423663° W

### 2. Information about Contacts Associated with the Leaking UST System

#### Townsville Auto Parts

UST Owner: Formerly Jim Thomas  
Address: Not Applicable Tel.: Not Applicable  
UST Operator: Unknown  
Address: Unknown Tel.: Unknown  
Property Owner: Epifanio Espino  
Address: P.O. Box 243, Townsville, NC 27584 Tel.: 252-432-0430  
Property Occupant: South of the Border Paint & Body Shop  
Address: 12590 NC Highway 39, Townsville, NC 27584 Tel.: 252-433-8228

#### Townsville Country Store

UST Owner: Formerly Herman Reese  
Address: Not Applicable Tel.: Not Applicable  
UST Operator: Unknown  
Address: Unknown Tel.: Unknown  
Property Owner: Thomas Howell  
Address: P.O. Box 178, Townsville, NC 27584 Tel.: 252-213-9274  
Property Occupant: Vacant – Used for storage by property owner  
Address: NC Highway 39, Townsville, NC 27584 Tel.: Not Applicable

#### Tackle Box Store

UST Owner: Unknown  
Address: Unknown Tel.: Unknown  
UST Operator: Unknown  
Address: Unknown Tel.: Unknown  
Property Owner: Peter Andrews  
Address: 221 Continental Road, Durham, NC 27712 Tel.: Unknown  
Property Occupant: Vacant  
Address: 12610 NC Highway 39, Townsville, NC 27584 Tel.: Not Applicable

#### Unknown Abandoned Gas Station

UST Owner: Unknown  
Address: Unknown Tel.: Unknown  
UST Operator: Unknown  
Address: Unknown Tel.: Unknown  
Property Owner: John and Olivia Feduccia  
Address: 704 Wellington Drive, Chapel Hill, NC 27514 Tel.: 919-942-3377  
Property Occupant: Abandoned Building  
Address: NC Highway 39, Townsville, NC 27584 Tel.: Not Applicable

**Former Farm Service Business**

UST Owner: Unknown  
Address: Unknown Tel.: Unknown  
UST Operator: Unknown  
Address: Unknown Tel.: Unknown  
Property Owner: John and Olivia Feduccia  
Address: 704 Wellington Drive, Chapel Hill, NC 27514 Tel.: 919-942-3377  
Property Occupant: Abandoned Building  
Address: NC Highway 39, Townsville, NC 27584 Tel.: Not Applicable

Consultant/Contractor: ATC Associates of North Carolina, P.C.  
Address: 2725 E. Millbrook Road, Suite 121, Raleigh, NC 27604 Tel.: (919) 871-0999  
Analytical Laboratory: Pace Analytical National State Certification No. 41  
Address: 12065 Lebanon Road, Mt. Juliet, TN 37122 Tel.: 615-758-5858

**3. Information about Release**

Date Discovered: April 1990  
Estimated Quantity of Release: Unknown  
Cause of Release: Unknown  
Source of Release (Dispenser/Piping/UST): Unknown  
Sizes and contents of UST system(s) from which the release occurred:  
Townsville Auto Parts: Two 8,000-gallon gasoline USTs and one 4,000-gallon gasoline UST  
Townsville Country Store: Two 550-gallon gasoline USTs, one 550-gallon kerosene UST, two 1,000-gallon gasoline USTs, and one 3,000-gallon gasoline UST removed March 27, 2018  
Tackle Box Store: Two USTs of unknown size and contents and one 560-gallon gasoline UST of unknown contents removed October 4, 2016  
Unknown Abandoned Gas Station: Unknown number, size, or contents of former USTs  
Farm Service Business: One 2,000 gallon UST of unknown contents

Criteria Used to Classify Risk: Potable water supply wells located within 1,000 feet of the site

**4. Information about the Monitoring Report**

Date(s) of Groundwater Monitoring/Soil Sampling Event(s): 7/28/2023

**5. Certification**

I, Gabriel Araos, a Professional Engineer Licensed Geologist (circle one) for ATC Associates of North Carolina, P.C., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

(Please Affix Seal and Signature)



ATC Associates of North Carolina, P.C. (Name of company or corporation) is licensed to practice geology/engineering (circle one or both) in North Carolina. The certification numbers of the company or corporation are C-274 and C-1598.

## 2.0 EXECUTIVE SUMMARY

ATC Associates of North Carolina, P.C. (ATC) has completed a Groundwater Monitoring Report for the former Townsville Auto Parts. This report documents a groundwater and water supply well sampling event conducted at the site in July 2023 based on an June 14, 2023, Task Authorization (TA-01) by the Trust Fund Branch of the Underground Storage Tank (UST) Section, Division of Waste Management, North Carolina Department of Environmental Quality (NCDEQ). The work is performed as part of State Lead Contract #N122019A between NCDEQ and ATC.

The former Townsville Auto Parts site is located at 12590 NC Highway 39 in Townsville, Vance County, North Carolina. The site is currently developed with one single story building occupied by South of the Border Paint and Body Shop. Nine monitoring wells (MW-1 through MW-5, MW-6R, MW-7, MW-8, and MW-9) are associated with the site. Municipal water is not available to properties in the area. Twenty-six potable water supply wells are located within 1,000 feet of the site. Note that along with the Townsville Auto Parts property, four additional properties are potential sources of impact to the subsurface in the area: former Townsville Country Store, former Tackle Box Store, former Farm Business Service, and an unknown abandoned service station.

On July 28, 2023, ATC mobilized to the site to perform a comprehensive groundwater sampling event and collect samples from water supply well WSW-4030. Laboratory analytical results indicate the presence of petroleum related compounds above the Title 15A NCAC 02L .0202 Groundwater Quality Standard (2L Standard) in monitoring wells MW-1, MW-3, MW-5, and MW-6R. No compounds were detected above Gross Contaminant Levels (GCLs). 1,2-Dichloroethane and methyl tert-butyl ether (MTBE) were detected at a concentration above the laboratory reporting limit, but below the 2L Standards, in water supply well WSW-4030. Ethyl alcohol was detected in WSW-4030 at a concentration of 12.9 J ug/L, the Interim Maximum Allowable Concentration for ethyl alcohol is 4,0000 ug/L.

If funding is available, ATC recommends reviewing remedial alternatives for the site and installation of additional monitoring wells for horizontal and vertical plume delineation. In the interim, ATC recommends semi-annual monitoring events.

## 3.0 SITE DESCRIPTION

### 3.1 SITE CHARACTERIZATION

The former Townsville Auto Parts site is located at 12590 NC Highway 39 in Townsville, Vance County, North Carolina. Currently onsite is South of the Border Paint & Body Shop, a car mechanic shop. The site property was formerly a service station but the UST system was removed from the property at an unknown date. The size and contents of the former UST system at the Townsville Auto Parts Store is unknown. It should be noted there are four potential additional sources of impact to the site vicinity:

- Former Townsville Country Store – ATC supervised the removal of two 550-gallon gasoline USTs, two 1,000-gallon gasoline USTs, and one 3,000-gallon gasoline UST from the site in March 2018. The 550-gallon kerosene UST was abandoned in place on March 27, 2018 due to its proximity to the building. Concentrations of Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO) were above the NCDEQ Action Level for tank pit and product line samples obtained during UST closure activities. Concentrations of TPH - Diesel Range Organics (DRO) were above the NCDEQ Action Level for one product line and one tank pit sample.
- Former Tackle Box Store – ATC supervised the removal of one 560-gallon UST from this site on October 4, 2016. Concentrations of TPH –GRO and DRO were above the NCDEQ Action Level for the two tank pit samples obtained during UST closure activities. Two additional USTs were reportedly removed from the site in 1988.
- A former abandoned service station – an abandoned retail petroleum facility that reportedly had USTs removed in 1988. The size, number, and contents are unknown.
- Former Farm Service Business – A former petroleum retail facility with one 2,000-gallon UST of unknown contents still located onsite.

The site is bound to the north and northwest by NC Highway 39, to the east by the former Tackle Box Store, to the southwest by the former Townsville Country Store, and to the south by undeveloped land. The site vicinity is characterized as residential, agricultural, intermittent commercial and undeveloped. Municipal water is not available to properties in the area. Twenty-five potable water supply wells are located within 1,000 feet of the site. Water supply well ownership information is included in **Table 1**. A site topographic map is included as **Figure 1** and a site map depicting monitoring well locations and other pertinent site features is included as **Figure 2**. Photographs of the site are included in **Appendix A**. A map showing water supply well locations is included as **Figure 3**.

### 3.2 SITE BACKGROUND

On April 30, 1990, a Pollution Incident Report was submitted documenting an impacted water supply well (WSW-4016) at the former Townsville Country Store (at the time was an active Exxon retail petroleum facility). The incident report identified four potential sources for the impacted well, the former Townsville Auto Parts, the former Townsville Country Store, the former Tackle Box Store, and the former abandoned service station.

In October 1993, bottled water service was initiated for a property owned by Ms. Ruby Moss, located adjacent and east of the former Tackle Box Store, due to impacts identified in her water supply well (WSW-4012). In January 1994, a point-of-entry filtration system was installed on Ms. Moss's well.

On December 1, 2004, a Site Reconnaissance/Sensitive Receptor Survey, Geophysical Survey, and Supply Well Sampling Report was submitted. Based on the receptor survey, twenty-eight water supply wells were identified within 1,500 feet of the site. The geophysical survey identified two USTs at the Townsville Country Store, one UST at the Tackle Box Store, and one UST at the Farm Service Business. According to historical reports, the USTs at the Townsville Country Store contained gasoline. Nine water supply well samples were collected during the reporting period. Laboratory results indicated two wells, WSW-4012 (Moss) and WSW-4010-IN (Mr. Norman Yount's property) contained 1,2-dichloropropane exceeding the 2L Standards. Water supply well WSW-4012 also contained lead at a concentration above the 2L Standard. The source of the 1,2-dichloropropane is unknown as this compound is not typically associated with petroleum releases.

On March 2, 2006, a Soil and UST Assessment and Water Supply Well Sampling Report was submitted to the NCDEQ. An updated receptor survey identified forty-nine water supply wells within 1,500 feet of the site and thirty-one water supply wells within 1,000 feet of the site. Twelve water supply well samples were collected and indicated WSW-4010 contained 1,2-dichloropropane above 2L Standard. Soil sampling at the Townsville Country Store identified impacts of TPH-GRO above the NCDEQ Action Level. During soil sampling activities, USTs at the Townsville Country Store were characterized. Based on field data, the former Townsville Country Store had two 550-gallon gasoline USTs, one 550-gallon kerosene UST, one 1,000-gallon gasoline UST, and one 2,600-gallon gasoline UST still located onsite. Soil samples collected from the Tackle Box Store also identified soil impacts above NCDEQ Action Level. Installation of seven monitoring wells, delineation of soil impacts, and removal of fluid in the USTs with the potential for UST removal was recommended. Based on analytical results, bottled water service was initiated for Mr. Yount's property (WSW-4010) in January 2006.

On July 28, 2006, a Soil and Groundwater Assessment and Water Supply Well Sampling Report was submitted to the NCDEQ. A survey update identified forty water supply wells within 1,500 feet of the site and twenty-two water supply wells within 1,000 feet of the site. Water supply well samples were collected from WSW-4010 and WSW-4030. The laboratory results indicated WSW-4030 contained MTBE below the 2L Standard. Soil sampling was performed at the abandoned service station and the former Farm Service Business. Samples did not indicate soil impact at either property. Monitoring wells MW-1 through MW-7 were installed on various potentially impacted properties and sampled. Samples indicated concentrations above the 2L Standards in MW-5, MW-6, and MW-7. Based on the results of the assessment activities, it appeared the abandoned service station and the former Farm Business Service were not sources of impact

to the subsurface. The main sources of impact appeared to be the former Townsville Country Store and former Tackle Box Store.

It should be noted the residential structure on the Ruby Moss property was damaged by arson and is no longer a livable structure. As a result, the POE system for WSW-4012 on the Moss property was removed in May 2014.

A Federal/State-Lead Letter Report and Updated Receptor Survey was submitted on November 21, 2014. The receptor survey identified thirty-one water supply wells located within 1,000 feet of the site, twenty-six of which are used for drinking purposes. In addition, Vance County Public Utilities reported there is a water line extension project ongoing in Vance County with plans to run municipal water lines in Townsville; however, because not enough residents have expressed an interest in connecting to the municipal water supply, the county currently has no intention of completing the water line in Townsville. Samples were collected from WSW-4010, WSW-4017, and WSW-4030 as well as the monitoring well network. Water supply well WSW-4010 indicated a concentration of 1,2-dichloropropane above 2L Standard and acetone and chloroform above laboratory detection limit but below 2L Standard. Water supply well WSW-4017 indicated chloroform at a concentration below 2L Standard. Finally, water supply well WSW-4030 indicated a concentration of MTBE below 2L Standard. Compounds were detected above 2L Standards in select monitoring wells and monitoring well MW-5 indicated light non-aqueous phase liquid (LNAPL) at a thickness of 1.56 feet. In addition, the feasibility of UST removal from the former Townsville Country Store, the former Tackle Box Store, and the former Farm Service Business was determined. UST removal appeared feasible for all properties with the exception of the Tackle Box store, which would require canopy removal. However, due to the age of the canopy, the potential of asbestos was noted.

An Aggressive Fluid Vapor Recovery (AFVR) event was performed on monitoring well MW-5 on January 7, 2015. Prior to the event, 1.97 feet of LNAPL was detected in the well. Following the event, product was not detected and approximately 980 gallons of petroleum impacted water was recovered. An asbestos survey was also performed on the canopy at the former Tackle Box Store. The survey indicated the canopy contained asbestos.

On July 19, 2015, ATC attempted to sample monitoring well MW-5 to determine the effectiveness of the January 2015 AFVR event. LNAPL was detected in the well at a thickness of 0.56 feet. The AFVR appeared effective although LNAPL was still present in the well. The field activities are reported in a document submitted on August 12, 2015.

A Groundwater Monitoring Report was submitted on October 30, 2015 documenting an AFVR event and groundwater monitoring event. The event indicated 1,405 gallons of petroleum impacted groundwater was removed from monitoring well MW-5. In addition, petroleum compounds were detected above 2L Standards in numerous monitoring wells. Finally, MTBE was detected below 2L Standard in water supply well WSW-4030. The report recommended UST closure activities at the former Townsville Country Store, former Tackle Box Store, and former Farm Business Service.

A Letter Report documenting canopy demolition activities was submitted on April 8, 2016. The canopy was demolished in preparation for UST closure activities at the former Tackle Box Store.

On October 4, 2016, one 560-gallon UST of unknown contents was removed from the Tackle Box Store property. Based on previous reports, ATC assumed the UST had a capacity of 2,000 gallons; however, upon removal it was determined that the UST had a capacity of 560 gallons. Based on conversations with NCDEQ, over-excavation activities were not performed during closure activities. Approximately 6.51 tons of overburden soil was removed. The results of the laboratory analyses indicated concentrations of TPH-GRO and TPH-DRO above the NCDEQ Action Level in both closure samples.

A Letter Report documenting site restoration activities was submitted on March 23, 2017. Per NCDEQ's request, the former UST basin was finished to grade with gravel. However, following the conclusions of the

UST closure the property owner requested the UST basin be finished with concrete. As a result, NCDEQ authorized site restoration activities.

An Initial Abatement Action Report documenting the UST removal activities at the Townsville Country Store was submitted on May 16, 2018. The UST closure activities included the removal of two 550-gallon gasoline USTs (T-1 and T-2), two 1,000-gallon gasoline USTs (T-4 and T-6), one 3,000-gallon gasoline UST (T-5), and the abandonment of one 550-gallon kerosene UST (T-3). Excavated overburden soil was removed from the tank pit and placed in dump truck to be disposed of off-site. In addition, approximately 405.14 tons of petroleum impacted soil was removed from the site. The results of the laboratory analyses indicated eight samples collected during UST closure activities exceeded the NCDEQ Action Levels for TPH-GRO. Two UST closure samples exceeded the NCDEQ Action Levels for TPH-DRO. Based on the laboratory results, soil contamination remains undefined to the west and south of tank T-1, to the east of tanks T-4, T-5, and T-6, and to the south of tank T-3. Based upon the data collected during the UST closure, ATC recommended further investigation at the site including the replacement of monitoring well MW-6 that was abandoned prior to the UST removal activities.

ATC submitted a Groundwater Monitoring Report on January 29, 2019, documenting the installation and subsequent sampling of replacement monitoring well MW-6R and a water supply well sampling event. Laboratory analytical results indicated the presence of petroleum related compounds above the 2L Standards in monitoring well MW-6R. 1,2-Dichloropropane was present in WSW-4010 above the 2L Standard. ATC recommended the installation of two monitoring wells, one in the former UST T-1 basin at the Townsville Country Store and the other downgradient of monitoring well MW-6R.

ATC submitted a Groundwater Monitoring Report on July 19, 2019, documenting the installation of monitoring wells MW-8 and MW-9 and subsequent groundwater and water supply well sampling event. Laboratory analytical results indicated the presence of petroleum related compounds at concentrations above the 2L Standards in monitoring wells MW-1, MW-3, MW-5, MW-6R, MW-7, MW-8, and MW-9. Monitoring well MW-6R contained 1,2-dibromoethane at a concentration exceeding the respective GCL. 1,2-Dichloropropane was present in WSW-4010 above the 2L Standard. Water supply well WSW-4030 contained MTBE and 1,2-dichloroethane above the laboratory detection limits, but below the 2L Standards. Water supply well WSW-4008 did not contain compounds exceeding the laboratory detection limits.

ATC submitted a Groundwater Monitoring Report on February 12, 2020, documenting the results of a groundwater and water supply well sampling event. Laboratory analytical results indicated the presence petroleum related compounds at concentrations above the 2L Standards in monitoring wells MW-1, MW-5, MW-6R, MW-7, MW-8, and MW-9. Monitoring well MW-6R contained 1,2-dibromoethane at a concentration exceeding the respective GCL. 1,2-Dichloropropane was present in water supply well 4010 (WSW-6) above the 2L Standard. Water supply well 4030 (WSW-9) contained 1,2-dichloroethane and methyl tert-butyl ether (MTBE) above the laboratory detection limits, but below the 2L Standards. Water supply well 4008 (WSW-8) contained 1,2-dichloroethane above the laboratory detection limits, but below the 2L Standards. Water supply well WSW-4019A did not contain any compounds above the laboratory detection limits.

ATC submitted a Groundwater Monitoring Report on July 2, 2020, documenting the results of a groundwater and water supply well sampling event. Laboratory analytical results indicated the presence of petroleum related compounds at concentrations above the 2L Standards in monitoring wells MW-1, MW-4, MW-5, MW-6R, MW-7, MW-8, and MW-9. Monitoring well MW-6R contained 1,2-dibromoethane at a concentration exceeding the respective GCL. 1,2-Dichloropropane was present in water supply well WSW-4010 above the 2L Standard. Water supply well WSW-4030 contained 1,2-dichloroethane and MTBE above the laboratory detection limits, but below the 2L Standards. Water supply well WSW-4008 did not contain any compounds above the laboratory detection limits. ATC recommended reviewing remedial alternatives for the site and installation of additional monitoring wells for horizontal and vertical plume delineation if funding is available. In the interim, ATC recommended semi-annual monitoring events.

ATC submitted a Groundwater Monitoring Report on March 7, 2022, documenting the results of a groundwater and water supply well sampling event. Laboratory analytical results indicated the presence of

petroleum related compounds at concentrations above the 2L Standards in monitoring wells MW-1, MW-5, MW-6R, MW-7, and MW-9. Water supply well WSW-4030 contained MTBE and ethyl alcohol above the laboratory detection limits, but 1,2-dichloroethane above 2L Standards. ATC recommended reviewing remedial alternatives for the site and installation of additional monitoring wells for horizontal and vertical plume delineation if funding is available. In the interim, ATC recommended semi-annual monitoring events.

## 4.0 GROUNDWATER CHARACTERIZATION

### 4.1 GROUNDWATER LEVELS

Groundwater level measurements were collected from monitoring wells MW-1, MW-2, MW-3, MW-5, MW-6R, MW-7, and MW-9 on July 28, 2023. Monitoring wells MW-4 and MW-8 could not be located during the event. Monitoring well construction details and current and historical groundwater elevation data are summarized in **Table 2**. Depth to groundwater ranged from 21.55 feet below ground surface (bgs) in monitoring well MW-7 to 27.36 feet bgs in MW-5. LNAPL was not detected in the gauged monitoring wells. Groundwater flow direction at the site is to the southeast. A groundwater elevation contour map is included as **Figure 4**. Field notes from the July 2023 site visit are included in **Appendix B**.

### 4.2 GROUNDWATER QUALITY

Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3, MW-5, MW-6R, MW-7, and MW-9 on July 28, 2023. The samples were collected in laboratory-approved containers, packed in ice and delivered under chain-of-custody protocol to Pace Analytical in Mount Juliet, Tennessee (Pace) in for analysis. The samples were analyzed for volatile organic compounds (VOCs) by Standard Method 6200B.

Laboratory analytical results indicated the following compounds above 2L Standards:

- Benzene: MW-5 and MW-6R
- Toluene: MW-6R
- Ethylbenzene: MW-6R
- Total Xylenes: MW-6R
- Naphthalene: MW-1, MW-3, and MW-6R
- 1,2-Dibromoethane: MW-6R
- Isopropylbenzene: MW-6R
- n-Propylbenzene: MW-6R
- 1,2,4-Trimethylbenzene: MW-6R
- 1,3,5-Trimethylbenzene: MW-6R
- 1,2-Dichloroethane: MW-5

Natural attenuation parameters were collected during the sampling event and are summarized in **Table 3**. Current groundwater analytical data is summarized in **Table 4**. Historical groundwater analytical data is summarized in **Table 5**. Isoconcentration contour maps for benzene and naphthalene are included as **Figures 5** and **6**, respectively. A map showing additional contaminants of concern is included as **Figure 7**. The laboratory analytical report and chain-of-custody forms are included in **Appendix C**.

As part of ATC's quality assurance and quality control (QA and QC) measures, a data review of the laboratory report was conducted. During the review, it was concluded that the samples were received by the laboratory in acceptable condition and properly preserved. The samples were analyzed within the correct holding times, and the chain of custody was properly completed by all parties. The laboratory QC report shows an internal blank was analyzed for each method that was used for the original samples. The laboratory fortified blank (LFB) and laboratory control sample (LCS) data results were also provided for each analytical method. Refer to the laboratory report in **Appendix C** for details regarding QA results for the laboratory samples and any noted exceptions. Overall, ATC concludes that the laboratory results are usable and any exceptions do not significantly impact the conclusions presented in this report.

#### 4.3 WATER SUPPLY WELL SAMPLING

On July 28, 2023 ATC personnel collected a sample from water supply well WSW-4030. The sample was collected in laboratory-approved containers, packed in ice and delivered under chain-of-custody protocol to Pace for analysis of VOCs by Standard Method 6200B. Laboratory analysis indicated the presence of 1,2-dichloroethane and MTBE were detected at a concentration above the laboratory reporting limits, but below the respective 2L Standard. Ethyl alcohol was detected in WSW-4030 at a concentration of 12.9 J ug/L, the Interim Maximum Allowable Concentration for ethyl alcohol is 4,0000 ug/L.

Field notes from the July 2023 monitoring event are included in **Appendix B**. Historical water supply well sampling analytical results are included in **Table 6**. Laboratory analytical results are included in **Appendix C**.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

On behalf of the Trust Fund Branch of the UST Section, ATC has completed a Groundwater Monitoring Report documenting a monitoring well and water supply well sampling event for the former Townsville Auto Parts site located at 12590 NC Highway 39 in Townsville, Vance County, North Carolina.

Laboratory analytical results indicated the presence of petroleum related compounds above the 2L Standards in monitoring wells MW-1, MW-3 MW-5, and MW-6R. No compounds were detected above GCLs. 1,2-Dichloroethane and MTBE were detected at a concentration above the laboratory reporting limit, but below the 2L Standards, in water supply well WSW-4030. Ethyl alcohol was detected in WSW-4030 at a concentration of 12.9 J ug/L, the Interim Maximum Allowable Concentration for ethyl alcohol is 4,0000 ug/L.

If funding is available, ATC recommends reviewing remedial alternatives for the site and installation of additional monitoring wells for horizontal and vertical plume delineation. In the interim, ATC recommends semi-annual monitoring events.

## TABLES

**TABLE 1  
WATER SUPPLY WELL INFORMATION**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Map ID    | Water Supply Well | Property Owner(s)                                                                                          | Property Address*                     | Distance from Source (feet) | Connected to Municipal Water | Usage                                                                                                                                                                  |
|-----------|-------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | 4017              | Olivia Feduccia<br>704 Wellington Drive<br>Chapel Hill, NC 27514<br>919-942-3377                           | 13 Nutbush Church Road                | 358                         | No                           | Drinking water for five residences on property as well as 12590 NC Highway 39 (former Townsville Auto Parts parcel 4015) and the former Tackle Box Store (Parcel 4013) |
| 2         | 4012              | Abraham Issac Arreola-Godinez<br>1715 Avondale Drive<br>Durham, NC 27701<br>Phone number not available     | 12630 NC Highway 39                   | 187                         | No                           | Drinking - house currently vacant                                                                                                                                      |
| 3         | 4011              | Abraham Issac Arreola-Godinez<br>1715 Avondale Drive<br>Durham, NC 27701<br>Phone number not available     | 12646 NC Highway 39                   | 303                         | No                           | Drinking - house currently vacant                                                                                                                                      |
| 4         | 4016              | Thomas Howell<br>P.O. Box 178<br>Townsville, NC 27584<br>252-213-9274                                      | 0 Store Lot/<br>NC Highway 39         | 104                         | No                           | Drinking - building not currently in use                                                                                                                               |
| 5         | 4010-IN           | Norman Sr. and Martha Yount<br>P.O. Box 127<br>Townsville, NC 27584<br>252-492-9099                        | 172 Stoney Ridge Lane                 | 523                         | No                           | Inactive                                                                                                                                                               |
| 6         | 4010              | Norman Sr. and Martha Yount<br>P.O. Box 127<br>Townsville, NC 27584<br>252-492-9100                        | 172 Stoney Ridge Lane                 | 1,100                       | No                           | Drinking                                                                                                                                                               |
| 7         | 4009              | Shirley Adams Trustee<br>7909 Kingsland Drive<br>Raleigh, NC 27613<br>Phone number not available           | 12698 NC Highway 39<br>North          | 570                         | No                           | Drinking                                                                                                                                                               |
| 8         | 4008              | Ralph Pegram Heirs<br>P.O. Box 98<br>Townsville, NC 27584<br>252-492-2292                                  | 12720 NC Highway 39<br>North          | 716                         | No                           | Drinking                                                                                                                                                               |
| 9         | 4030              | Robert and Judith Barnard<br>P.O. Box 228<br>Townsville, NC 27584<br>252-213-1078                          | 76 Stoney Ridge Lane                  | 450                         | No                           | Drinking                                                                                                                                                               |
| 10        | 4020              | Nutbush Presbyterian Church<br>P.O. Box 116<br>Townsville, NC 27584<br>252-492-8977                        | 0 Church Land/<br>Nutbush Church Road | 855                         | No                           | Drinking                                                                                                                                                               |
| 11        | 4019              | Lansdale and Kelly Jones<br>12480 NC Highway 39 North<br>Henderson, NC 27584<br>Phone number not available | 12480 NC Highway 39                   | 605                         | No                           | Drinking                                                                                                                                                               |
| 12        | 4019A             | Nutbush Presbyterian Church<br>P.O. Box 116<br>Townsville, NC 27584<br>252-492-8977                        | 12460 NC Highway 39                   | 755                         | No                           | Drinking                                                                                                                                                               |
| 13        | 4026              | Jesse and Renee Elliott<br>P.O. Box 98<br>Townsville, NC 27584<br>Phone number not available               | 12408 NC Highway 39                   | 845                         | No                           | Drinking                                                                                                                                                               |
| 14 and 15 | 3001              | James Twisdale<br>5135 Old Route 75<br>Oxford, NC 27565<br>919-690-2712                                    | 12420 NC Highway 39                   | 917                         | No                           | Two wells located on property, at least one of which is used for drinking purposes                                                                                     |
| 16        | 3009              | Lois Buchanan<br>12495 NC Highway 39 North<br>Henderson, NC 27537<br>252-431-0456                          | 12495 NC Highway 39<br>North          | 530                         | No                           | Drinking                                                                                                                                                               |
| 17        | 3037              | Northern Carolina Properties LLC<br>P.O. Box 1501<br>Henderson, NC 27536<br>Phone number not available     | 12515 NC Highway 39<br>North          | 420                         | No                           | Drinking                                                                                                                                                               |

\* - Property address per Vance County GIS

Ownership information updated January 2019.

**TABLE 1  
WATER SUPPLY WELL INFORMATION**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Map ID | Water Supply Well | Property Owner(s)                                                                                                    | Property Address*                           | Distance from Source (feet) | Connected to Municipal Water | Usage                                                                                                                |
|--------|-------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 18     | 3012              | Douglas S. Murray<br>P.O. Box 193<br>Townsville, NC 27584<br>Phone number not available                              | 12551 NC Highway 39<br>North                | 370                         | No                           | Drinking                                                                                                             |
| 19     | 3013              | Kenneth Taylor<br>P.O. Box 2419<br>Henderson, NC 27536<br>Phone number not available                                 | 0 Townsville Road/<br>Tungsten Mine Road    | 285                         | No                           | Inactive - Vacant Lot                                                                                                |
| 20     | 3014              | Nellie Benson Heirs<br>c/o Elizabeth Terry<br>P. O. Box 209<br>Townsville, NC 27584<br>Phone number not available    | 41 Tungsten Mine Road                       | 425                         | No                           | Drinking                                                                                                             |
| 21     | 3015              | William and Vernice Wilson<br>850 Dick Faines Road<br>Henderson, NC 27537<br>Phone number not available              | J. Williams Land/<br>Tungsten Mine Road     | 495                         | No                           | Drinking                                                                                                             |
| 22     | 3016              | William and Vernice Wilson<br>850 Dick Faines Road<br>Henderson, NC 27537<br>Phone number not available              | 0 Tungsten Mine Road/<br>Tungsten Mine Road | 640                         | No                           | Drinking                                                                                                             |
| 23     | 3017              | John E. Hargrove, Jr.<br>Inez McMillan<br>238 Forrest Park Drive<br>New Bern, NC 28562<br>Phone number not available | 125 Tungsten Mine Road                      | 710                         | No                           | Drinking                                                                                                             |
| 24     | 3020              | Julia and Lucille Alston<br>P.O. Box 314<br>Townsville, NC 27584<br>Phone number not available                       | 159 Tungsten Mine Road                      | 907                         | No                           | Drinking                                                                                                             |
| 25     | 3034              | Christine Hawkins<br>c/o Brenda Hawkins<br>515 Plymouth Road, Apt. K2<br>Plymouth Meeting, PA 19462<br>908-275-9875  | 0 Tungsten Mine Road/<br>Tungsten Mine Road | 990                         | No                           | Drinking                                                                                                             |
| 26     | 3011              | Thomas Howell<br>P.O. Box 178<br>Townsville, NC 27584<br>252-213-9274                                                | 12551 NC Highway 39                         | 385                         | No                           | Inactive - property is provided drinking water by well on parcel 3006 located greater than 1,000 feet from the site. |
| 27     | 1003              | Olivia Feduccia<br>704 Wellington Drive<br>Chapel Hill, NC 27514<br>919-942-3377                                     | 12621 NC Highway 39<br>North                | 572                         | No                           | Drinking water for properties 1003 and 1004 (abandoned gas station).                                                 |
| 28     | 1005              | Townsville Rural Fire Department<br>12729 NC Highway 39 North<br>Townsville, NC 27537<br>252-430-1445                | 0 Clifton Land/<br>NC Highway 39            | 710                         | No                           | Inactive - Vacant Lot                                                                                                |
| 29     | 1006              | Townsville Rural Fire Department<br>12729 NC Highway 39 North<br>Townsville, NC 27537<br>252-430-1445                | 0 Townsville/<br>NC Highway 39              | 770                         | No                           | Drinking                                                                                                             |
| 30     | 1007              | Ralph Pegram<br>P.O. Box 98<br>Townsville, NC 27584<br>252-492-2292                                                  | 0 Old Place Restaurant/<br>NC Highway 39    | 995                         | No                           | Drinking                                                                                                             |
| 31     | 3007              | Richard and Nancy Reese<br>1506 Hibernia Road<br>Henderson, NC 27537<br>252-492-2601                                 | 12481 NC Highway 39<br>North                | 865                         | No                           | Drinking                                                                                                             |

\* - Property address per Vance County GIS  
Ownership information updated June 2019.

**TABLE 2  
WELL CONSTRUCTION DETAILS AND GROUNDWATER ELEVATION DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Well ID | Date Installed | Well Diameter (inches) | Depth of Well (feet bgs) | Screen Interval (feet bgs) | Top of Casing (feet) | Date Measured | Depth to LNAPL (feet)         | Depth to Groundwater (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet) |
|---------|----------------|------------------------|--------------------------|----------------------------|----------------------|---------------|-------------------------------|-----------------------------|------------------------|------------------------------|
| MW-1    | 5/8/2006       | 2                      | 50                       | 30-50                      | 101.12               | 5/18/2006     | --                            | 25.46                       | --                     | 75.66                        |
|         |                |                        |                          |                            |                      | 10/23/14      | --                            | 27.52                       | --                     | 73.60                        |
|         |                |                        |                          |                            |                      | 10/1/15       |                               | 25.98                       |                        | 75.14                        |
|         |                |                        |                          |                            |                      | 7/12/17       | --                            | 25.55                       | --                     | 75.57                        |
|         |                |                        |                          |                            |                      | 6/14/19       | --                            | 23.05                       | --                     | 78.07                        |
|         |                |                        |                          |                            |                      | 12/9/19       | --                            | 24.97                       | --                     | 76.15                        |
|         |                |                        |                          |                            |                      | 6/9/20        | --                            | 23.85                       | --                     | 77.27                        |
|         |                |                        |                          |                            |                      | 10/12/21      | --                            | 21.93                       | --                     | 79.19                        |
| MW-2    | 5/8/2006       | 2                      | 50                       | 25-50                      | 100.49               | 7/28/23       | --                            | 23.70                       | --                     | 77.42                        |
|         |                |                        |                          |                            |                      | 5/18/06       | --                            | 25.14                       | --                     | 75.35                        |
|         |                |                        |                          |                            |                      | 10/23/14      | --                            | 27.58                       | --                     | 72.91                        |
|         |                |                        |                          |                            |                      | 10/1/15       | Not Measured/Could Not Locate |                             |                        |                              |
|         |                |                        |                          |                            |                      | 7/12/17       | --                            | 25.56                       | --                     | 74.93                        |
|         |                |                        |                          |                            |                      | 6/14/19       | --                            | 22.92                       | --                     | 77.57                        |
|         |                |                        |                          |                            |                      | 12/9/19       | --                            | 24.95                       | --                     | 75.54                        |
|         |                |                        |                          |                            |                      | 6/9/20        | --                            | 23.75                       | --                     | 76.74                        |
| MW-3    | 5/9/2006       | 2                      | 60                       | 30-60                      | 100.68               | 10/12/21      | --                            | 21.79                       | --                     | 78.70                        |
|         |                |                        |                          |                            |                      | 7/28/23       | --                            | 23.68                       | --                     | 76.81                        |
|         |                |                        |                          |                            |                      | 5/18/06       | --                            | 25.12                       | --                     | 75.56                        |
|         |                |                        |                          |                            |                      | 10/23/14      | --                            | 27.14                       | --                     | 73.54                        |
|         |                |                        |                          |                            |                      | 10/1/15       |                               | 25.68                       | --                     | 75.00                        |
|         |                |                        |                          |                            |                      | 7/12/17       | --                            | 26.54                       | --                     | 74.14                        |
|         |                |                        |                          |                            |                      | 6/14/19       | --                            | 22.75                       | --                     | 77.93                        |
|         |                |                        |                          |                            |                      | 12/9/19       | --                            | 24.71                       | --                     | 75.97                        |
|         |                |                        |                          |                            |                      | 6/9/20        | --                            | 23.50                       | --                     | 77.18                        |
|         |                |                        |                          |                            |                      | 10/12/21      | --                            | 21.67                       | --                     | 79.01                        |
|         |                |                        |                          |                            |                      | 7/28/23       | --                            | 23.18                       | --                     | 77.50                        |

**Notes:**

1. Elevation measurements calculated using an arbitrary on-site benchmark of 100.00 feet.
2. Corrected groundwater elevation with LNAPL calculation: [Top of Casing Elevation - Depth to Water] + [LNAPL thickness x 0.8581].
4. bgs = below ground surface.
5. -- = LNAPL Not Detected.

**TABLE 2  
WELL CONSTRUCTION DETAILS AND GROUNDWATER ELEVATION DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Well ID | Date Installed | Well Diameter (inches) | Depth of Well (feet bgs) | Screen Interval (feet bgs) | Top of Casing (feet) | Date Measured       | Depth to LNAPL (feet)         | Depth to Groundwater (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet) |
|---------|----------------|------------------------|--------------------------|----------------------------|----------------------|---------------------|-------------------------------|-----------------------------|------------------------|------------------------------|
| MW-4    | 5/9/2006       | 2                      | 61                       | 31-61                      | 92.85                | 5/18/06             | --                            | 59.37                       | --                     | 33.48                        |
|         |                |                        |                          |                            |                      | 6/29/06             | --                            | 50.57                       | --                     | 42.28                        |
|         |                |                        |                          |                            |                      | 10/23/14            | Not Measured/Could Not Locate |                             |                        |                              |
|         |                |                        |                          |                            |                      | 10/1/15             | --                            | 29.18                       | --                     | 63.67                        |
|         |                |                        |                          |                            |                      | 7/12/17             | --                            | 24.71                       | --                     | 68.14                        |
|         |                |                        |                          |                            |                      | 6/14/19             | Not Measured/Could Not Locate |                             |                        |                              |
|         |                |                        |                          |                            |                      | 12/9/19             | --                            | 24.19                       | --                     | 68.66                        |
|         |                |                        |                          |                            |                      | 6/9/20              | --                            | 25.87                       | --                     | 66.98                        |
|         |                |                        |                          |                            |                      | 10/12/21            | Not Measured/Could Not Locate |                             |                        |                              |
|         |                |                        |                          |                            |                      | 7/28/23             | Not Measured/Could Not Locate |                             |                        |                              |
| MW-5    | 5/9/2006       | 2                      | 60                       | 25-60                      | 100.00               | 5/18/06             | --                            | 28.18                       | --                     | 71.82                        |
|         |                |                        |                          |                            |                      | 10/23/14            | 29.98                         | 31.54                       | 1.56                   | 69.80                        |
|         |                |                        |                          |                            |                      | 1/7/15 Pre AFVR     | 29.48                         | 31.45                       | 1.97                   | 70.24                        |
|         |                |                        |                          |                            |                      | 1/7/2015 Post AFVR  | --                            | 32.85                       | --                     | 67.15                        |
|         |                |                        |                          |                            |                      | 7/19/15             | 30.25                         | 30.81                       | 0.56                   | 69.67                        |
|         |                |                        |                          |                            |                      | 8/27/15 Pre AFVR    | 27.73                         | 29.70                       | 1.97                   | 71.99                        |
|         |                |                        |                          |                            |                      | 8/27/2015 Post AFVR | --                            | 31.10                       | --                     | 68.90                        |
|         |                |                        |                          |                            |                      | 10/1/15             | --                            | 29.40                       | --                     | 70.60                        |
|         |                |                        |                          |                            |                      | 7/12/17             | --                            | 29.20                       | --                     | 70.80                        |
|         |                |                        |                          |                            |                      | 6/14/19             | --                            | 26.10                       | --                     | 73.90                        |
|         |                |                        |                          |                            |                      | 12/9/19             | --                            | 29.25                       | --                     | 70.75                        |
|         |                |                        |                          |                            |                      | 6/9/20              | --                            | 27.13                       | --                     | 72.87                        |
|         |                |                        |                          |                            |                      | 10/12/21            | --                            | 25.78                       | --                     | 74.22                        |
|         |                |                        |                          |                            |                      | 7/28/23             | --                            | 27.36                       | --                     | 72.64                        |

Notes:

1. Elevation measurements calculated using an arbitrary on-site benchmark of 100.00 feet.
2. Corrected groundwater elevation with LNAPL calculation: [Top of Casing Elevation - Depth to Water] + [LNAPL thickness x 0.8581].
3. LNAPL = Light Non-Aqueous Phase Liquid.
4. toc = below top of casing.
5. -- = LNAPL Not Detected.

**TABLE 2  
WELL CONSTRUCTION DETAILS AND GROUNDWATER ELEVATION DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Well ID | Date Installed | Well Diameter (inches) | Depth of Well (feet bgs) | Screen Interval (feet bgs) | Top of Casing (feet) | Date Measured        | Depth to LNAPL (feet)         | Depth to Groundwater (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet) |
|---------|----------------|------------------------|--------------------------|----------------------------|----------------------|----------------------|-------------------------------|-----------------------------|------------------------|------------------------------|
| MW-6    | 5/10/2006      | 2                      | 70                       | 30-70                      | 107.39               | 5/18/06              | Not Measured/Dry              |                             |                        |                              |
|         |                |                        |                          |                            |                      | 6/29/06              | --                            | 44.99                       | --                     | 62.40                        |
|         |                |                        |                          |                            |                      | 10/23/14             | --                            | 31.31                       | --                     | 76.08                        |
|         |                |                        |                          |                            |                      | 10/1/15              | --                            | 31.38                       | --                     | 76.01                        |
|         |                |                        |                          |                            |                      | 7/12/17              | --                            | 31.19                       | --                     | 76.20                        |
|         |                |                        |                          |                            |                      | Abandoned on 3/27/18 |                               |                             |                        |                              |
| MW-6R   | 12/26/2018     | 2                      | 35                       | 25-35                      | 104.27               | 1/2/19               | --                            | 27.86                       | --                     | 76.41                        |
|         |                |                        |                          |                            |                      | 6/14/19              | --                            | 26.34                       | --                     | 77.93                        |
|         |                |                        |                          |                            |                      | 12/9/19              | --                            | 28.26                       | --                     | 76.01                        |
|         |                |                        |                          |                            |                      | 6/9/20               | --                            | 27.08                       | --                     | 77.19                        |
|         |                |                        |                          |                            |                      | 10/12/21             | --                            | 25.59                       | --                     | 78.68                        |
|         |                |                        |                          |                            |                      | 7/28/23              | --                            | 27.12                       | --                     | 77.15                        |
| MW-7    | 5/10/2006      | 2                      | 50                       | 25-50                      | 92.98                | 5/18/06              | --                            | 22.32                       | --                     | 70.66                        |
|         |                |                        |                          |                            |                      | 10/23/14             | --                            | 25.08                       | --                     | 67.90                        |
|         |                |                        |                          |                            |                      | 10/1/15              | --                            | 24.03                       | --                     | 68.95                        |
|         |                |                        |                          |                            |                      | 7/12/17              | --                            | 23.30                       | --                     | 69.68                        |
|         |                |                        |                          |                            |                      | 6/14/19              | --                            | 20.34                       | --                     | 72.64                        |
|         |                |                        |                          |                            |                      | 12/9/19              | --                            | 23.00                       | --                     | 69.98                        |
|         |                |                        |                          |                            |                      | 6/9/20               | --                            | 21.40                       | --                     | 71.58                        |
|         |                |                        |                          |                            |                      | 10/12/21             | --                            | 20.03                       | --                     | 72.95                        |
| MW-8    | 5/28/2019      | 2                      | 30                       | 15-30                      | 98.77                | 7/28/23              | --                            | 21.55                       | --                     | 71.43                        |
|         |                |                        |                          |                            |                      | 6/14/19              | --                            | 21.65                       | --                     | 77.12                        |
|         |                |                        |                          |                            |                      | 12/9/19              | --                            | 22.60                       | --                     | 76.17                        |
|         |                |                        |                          |                            |                      | 6/9/20               | --                            | 24.11                       | --                     | 74.66                        |
|         |                |                        |                          |                            |                      | 10/12/21             | --                            | 20.85                       | --                     | 77.92                        |
| MW-9    | 5/28/2019      | 2                      | 31                       | 16-31                      | 104.39               | 7/28/23              | Not Measured/Could Not Locate |                             |                        |                              |
|         |                |                        |                          |                            |                      | 6/14/19              | --                            | 25.38                       | --                     | 79.01                        |
|         |                |                        |                          |                            |                      | 12/9/19              | --                            | 27.38                       | --                     | 77.01                        |
|         |                |                        |                          |                            |                      | 6/9/20               | --                            | 26.26                       | --                     | 78.13                        |
|         |                |                        |                          |                            |                      | 10/12/21             | --                            | 24.50                       | --                     | 79.89                        |
|         |                |                        |                          |                            |                      | 7/28/23              | --                            | 26.31                       | --                     | 78.08                        |

Notes:

- Elevation measurements calculated using an arbitrary on-site benchmark of 100.00 feet.
- Corrected groundwater elevation with LNAPL calculation: [Top of Casing Elevation - Depth to Water] + [LNAPL thickness x 0.8581].
- LNAPL = Light Non-Aqueous Phase Liquid.
- toc = below top of casing.
- = LNAPL Not Detected.

**TABLE 3  
NATURAL ATTENUATION PARAMETERS**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Monitoring Well | Date       | Temperature (°C)                                   | Conductivity (µs/cm) | Dissolved Oxygen (mg/L) | pH (SU) | ORP (mV) |
|-----------------|------------|----------------------------------------------------|----------------------|-------------------------|---------|----------|
| MW-1            | 6/14/2019  | 22.4                                               | 169.0                | 3.77                    | 5.87    | 75.7     |
|                 | 12/9/2019  | 15.6                                               | 192.1                | 2.81                    | 5.83    | -86.1    |
|                 | 6/9/2020   | 22.24                                              | 188                  | 3.89                    | 6.16    | -76.8    |
|                 | 10/12/2021 | 19.6                                               | 187.3                | 3.80                    | 5.85    | 86.0     |
|                 | 7/28/2023  | 22.05                                              | 74                   | 5.56                    | 7.52    | 77.6     |
| MW-2            | 6/14/2019  | 20.6                                               | 134.1                | 4.30                    | 5.54    | 181.5    |
|                 | 12/9/2019  | 14.7                                               | 144.8                | 4.13                    | 5.45    | -29.5    |
|                 | 6/9/2020   | 20.68                                              | 119                  | 6.13                    | 5.83    | 66.4     |
|                 | 10/12/2021 | 18.5                                               | 161.0                | 3.86                    | 5.58    | 120.3    |
|                 | 7/28/2023  | 22.35                                              | 220                  | 4.17                    | 7.22    | 166.6    |
| MW-3            | 6/14/2019  | 24.3                                               | 415.5                | 0.98                    | 6.17    | 6.8      |
|                 | 12/9/2019  | 14.8                                               | 213.0                | 2.14                    | 6.20    | -104.0   |
|                 | 6/9/2020   | NM                                                 | 193                  | 2.16                    | 6.14    | 19.5     |
|                 | 10/12/2021 | 19.6                                               | 121.0                | 3.21                    | 5.77    | 132.0    |
|                 | 7/28/2023  | 22.61                                              | 103                  | 3.77                    | 7.41    | 125.1    |
| MW-4            | 6/14/2019  | Could Not Locate                                   |                      |                         |         |          |
|                 | 12/9/2019  | 12.5                                               | 278.1                | 3.20                    | 5.88    | -13.8    |
|                 | 6/9/2020   | 21.41                                              | 509                  | 3.35                    | 7.38    | -96.0    |
|                 | 10/12/2021 | Could Not Locate                                   |                      |                         |         |          |
|                 | 7/28/2023  | Could Not Locate                                   |                      |                         |         |          |
| MW-5            | 6/14/2019  | 20.6                                               | 146.0                | 1.62                    | 5.92    | 69.5     |
|                 | 12/9/2019  | 14.3                                               | 127.4                | 3.58                    | 5.99    | -61.2    |
|                 | 6/9/2020   | 24.30                                              | 123                  | 3.00                    | 6.12    | -84.9    |
|                 | 10/12/2021 | 19.1                                               | 125.9                | 2.14                    | 6.00    | 84.3     |
|                 | 7/28/2023  | 24.55                                              | 115                  | 2.95                    | 7.46    | 108.4    |
| MW-6R           | 6/14/2019  | 20.4                                               | 421.5                | 4.63                    | 5.94    | 19.5     |
|                 | 12/9/2019  | 14.6                                               | 348.8                | 1.68                    | 5.93    | -86.3    |
|                 | 6/9/2020   | Strong Odor - Did Not Collect Parameters           |                      |                         |         |          |
|                 | 10/12/2021 | Strong Odor and Sheen - Did Not Collect Parameters |                      |                         |         |          |
|                 | 7/28/2023  | 23.15                                              | 111                  | 12.25                   | 7.37    | 100.4    |
| MW-7            | 6/14/2019  | 22.5                                               | 293.0                | 1.69                    | 5.90    | 114.2    |
|                 | 12/9/2019  | 13.8                                               | 611.3                | 2.51                    | 7.09    | -97.2    |
|                 | 6/9/2020   | 22.37                                              | 271                  | 3.88                    | 6.17    | 21.0     |
|                 | 10/12/2021 | 18.2                                               | 198.5                | 1.76                    | 5.79    | 158.7    |
|                 | 7/28/2023  | 20.42                                              | 184                  | 4.47                    | 7.47    | 109.7    |
| MW-8            | 6/14/2019  | 18.7                                               | 601.0                | 4.99                    | 6.81    | 53.6     |
|                 | 12/9/2019  | 14.9                                               | 657.0                | 1.67                    | 6.54    | -109.6   |
|                 | 6/9/2020   | 25.01                                              | 737                  | 2.23                    | 6.76    | -76.7    |
|                 | 10/12/2021 | Moderate Odor - Did Not Collect Parameters.        |                      |                         |         |          |
|                 | 7/28/2023  | Could Not Locate                                   |                      |                         |         |          |
| MW-9            | 6/14/2019  | 20.0                                               | 626.0                | 4.15                    | 6.33    | 28.9     |
|                 | 12/9/2019  | 16.1                                               | 564.4                | 1.89                    | 5.78    | -62.8    |
|                 | 6/9/2020   | 21.08                                              | 530                  | 2.65                    | 5.96    | -72.2    |
|                 | 10/12/2021 | 18.5                                               | 564                  | 1.90                    | 5.85    | 45.8     |
|                 | 7/28/2023  | 24.76                                              | 515                  | 2.57                    | 7.58    | 11.8     |

Notes:

1. °C = Degrees Celsius.
2. mg/L = milligrams per liter.
3. µs/cm = micro Siemens per centimeter.
4. SU = Standard Units.
5. ORP = Oxidation Reduction Potential.
6. mV = Millivolts.

TABLE 4  
GROUNDWATER ANALYTICAL DATA

TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620

| Monitoring Well | Date      | Standard Method 6200B |         |              |                |        |                    |             |           |                |                  |                   |            |                   |                    |                   |                  |                    |                 |                 |                        |                        |
|-----------------|-----------|-----------------------|---------|--------------|----------------|--------|--------------------|-------------|-----------|----------------|------------------|-------------------|------------|-------------------|--------------------|-------------------|------------------|--------------------|-----------------|-----------------|------------------------|------------------------|
|                 |           | Benzene               | Toluene | Ethylbenzene | Xylene (total) | MTBE   | Di-Isopropyl Ether | Naphthalene | Acetone   | n-Butylbenzene | sec-Butylbenzene | tert-Butylbenzene | Chloroform | 1,2-Dibromoethane | 1,2-Dichloroethane | Ethyl Alcohol     | Isopropylbenzene | p-Isopropyltoluene | Methyl Chloride | n-Propylbenzene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| MW-1            | 7/28/2023 | <0.50                 | <0.50   | 2.0          | 13.9           | <0.50  | <0.50              | 46.9        | <10       | <0.50          | <0.50            | 0.70              | <0.50      | <0.20             | <50                | 2.9               | 1.4              | <0.50              | 1.4             | 26.4            | 0.38 J                 |                        |
| MW-2            | 7/28/2023 | <0.50                 | <0.50   | <0.50        | 0.27 J         | <0.50  | <0.50              | <0.50       | <10       | <0.50          | <0.50            | <0.50             | 3.2        | <0.50             | <0.20              | 10.2 J            | <0.50            | <0.50              | 0.15 J          | <0.50           | <0.50                  | <0.50                  |
| MW-3            | 7/28/2023 | <0.50                 | <0.50   | <0.50        | <0.50          | <0.50  | <0.50              | 27.6        | <10       | 0.12 J         | <0.50            | 0.29 J            | <0.50      | <0.50             | <0.20              | <50               | 1.1              | <0.50              | <0.50           | <0.50           | <0.50                  | <0.50                  |
| MW-4            | 7/28/2023 | Unable to Locate      |         |              |                |        |                    |             |           |                |                  |                   |            |                   |                    |                   |                  |                    |                 |                 |                        |                        |
| MW-5            | 7/28/2023 | 26.9                  | 5.5     | 4.3          | 9.9            | 9.8    | 0.98               | 3.7         | <10       | <0.50          | <0.50            | <0.50             | <0.50      | <0.50             | 2.3                | <50               | 1.0              | 0.56               | <0.50           | 2.6             | 9.7                    | 4.6                    |
| MW-6R           | 7/28/2023 | 200                   | 9,770   | 5,610        | 25,900         | <50    | <50                | 2,020       | <1000     | <50            | 33.7 J           | <50               | <50        | 37.6 J            | <20                | <5000             | 239              | 17.9 J             | <50             | 767             | 5,620                  | 1,430                  |
| MW-7            | 7/28/2023 | 0.45 J                | <0.50   | <0.50        | <0.50          | 0.26 J | 0.15 J             | <0.50       | <10       | <0.50          | <0.50            | <0.50             | <0.50      | <0.50             | <0.20              | <50               | 0.33 J           | <0.50              | <0.50           | <0.50           | <0.50                  | <0.50                  |
| MW-8            | 7/28/2023 | Unable to Locate      |         |              |                |        |                    |             |           |                |                  |                   |            |                   |                    |                   |                  |                    |                 |                 |                        |                        |
| MW-9            | 7/28/2023 | <0.50                 | <0.50   | <0.50        | 0.41 J         | 10.6   | 2.3                | 0.12 J      | 2.6 J     | <0.50          | <0.50            | <0.50             | <0.50      | <0.50             | <0.20              | <50               | <0.50            | <0.50              | <0.50           | <0.50           | 0.19 J                 | <0.50                  |
| 2L Standard     |           | 1                     | 600     | 600          | 500            | 20     | 70                 | 6           | 6,000     | 70             | 70               | 70                | 70         | 0.02              | 0.4                | 4000 <sup>a</sup> | 70               | 25                 | 3               | 70              | 400                    | 400                    |
| GCL             |           | 5,000                 | 260,000 | 80,000       | 50,000         | 20,000 | 70,000             | 6,000       | 6,000,000 | 5,900          | 8,800            | 14,750            | 70,000     | 50                | 400                | 4,000,000         | 30,500           | 11,700             | 3,000           | 26,100          | 28,500                 | 24,000                 |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in *italics* print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
8. J = Indicates constituent was detected above laboratory detection limit but below laboratory reporting limit.
9. <sup>a</sup> = Interim Maximum Allowable Concentrations (IMAC) - April 2022.

**TABLE 5  
HISTORICAL GROUNDWATER ANALYTICAL DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Monitoring Well | Date       | Standard Method 6200B        |         |              |               |        |                    |             |                         |                  |                 |                        |                        |                    |
|-----------------|------------|------------------------------|---------|--------------|---------------|--------|--------------------|-------------|-------------------------|------------------|-----------------|------------------------|------------------------|--------------------|
|                 |            | Benzene                      | Toluene | Ethylbenzene | Total Xylenes | MTBE   | Di-Isopropyl Ether | Naphthalene | 1,2-Dibromoethane (EDB) | Isopropylbenzene | n-Propylbenzene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | 1,2-Dichloroethane |
| MW-1            | 5/18/2006  | <0.5                         | <0.5    | <0.5         | <1.5          | <0.5   | <0.5               | <0.5        | <0.019                  | <0.5             | <0.5            | <0.5                   | <0.5                   | --                 |
|                 | 10/23/2014 | 0.96J                        | 0.44J   | 3.3          | 78            | 0.3J   | 2.4                | <b>72</b>   | <b>0.4J</b>             | 7                | 3.3             | 100                    | 4                      | <0.39              |
|                 | 10/1/2015  | <b>1.6</b>                   | 0.66J   | 5.1          | 101           | <0.18  | 3.1                | <b>240</b>  | <0.18                   | 9.3              | 4.5             | 110                    | 5.6                    | <0.39              |
|                 | 7/12/2017  | 0.43                         | 0.34    | 4.1          | 46.0          | <0.20  | 0.81               | <b>92.7</b> | <b>0.22</b>             | 4.8              | 2.8             | 63.7                   | 8.4                    | <0.20              |
|                 | 6/14/2019  | <0.50                        | <0.50   | 3.6          | 24.6          | <0.50  | <0.50              | <b>62.2</b> | <0.50                   | 3.1              | 2.5             | 48.1                   | 4.7                    | <0.20              |
|                 | 12/9/2019  | <1.0                         | <1.0    | 5.5          | 34.5          | <1.0   | <1.0               | <b>139</b>  | <1.0                    | 5.9              | 3.4             | 55.5                   | 6.4                    | <0.40              |
|                 | 6/9/2020   | <0.50                        | 0.50    | 4.6          | 37.6          | <0.50  | <0.50              | <b>111</b>  | <0.50                   | 8.1              | 3.5             | 72.9                   | 3.2                    | <0.20              |
|                 | 10/12/2021 | <0.50                        | <0.50   | 1.1          | 7.3           | <0.50  | <0.50              | <b>21.7</b> | <0.50                   | 1.5              | 0.63            | 15.6                   | <0.50                  | <0.50              |
| MW-2            | 7/28/2023  | <0.50                        | <0.50   | 2.0          | 13.9          | <0.50  | <0.50              | <b>46.9</b> | <0.50                   | 2.9              | 1.4             | 26.4                   | 0.38 J                 | <0.20              |
|                 | 5/18/2006  | <0.5                         | <0.5    | <0.5         | <1.5          | <0.5   | <0.5               | <0.5        | <0.018                  | 0.78             | <0.5            | <0.5                   | <0.5                   | --                 |
|                 | 10/23/2014 | <0.079                       | <0.09   | <0.092       | <0.18         | <0.09  | <0.18              | <0.12       | <0.089                  | <0.11            | <0.094          | <0.18                  | <0.1                   | <0.19              |
|                 | 10/1/2015  | Not Sampled/Could Not Locate |         |              |               |        |                    |             |                         |                  |                 |                        |                        |                    |
|                 | 7/12/2017  | <0.30                        | <0.20   | <0.20        | <0.60         | <0.20  | <0.10              | <0.50       | <0.10                   | <0.20            | <0.10           | <0.30                  | <0.30                  | <0.20              |
|                 | 6/14/2019  | <0.50                        | <0.50   | <0.50        | <0.50         | <0.50  | <0.50              | 1.9         | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 12/9/2019  | <0.50                        | <0.50   | <0.50        | <0.50         | <0.50  | <0.50              | <0.50       | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 6/9/2020   | <0.50                        | <0.50   | <0.50        | <0.50         | <0.50  | <0.50              | <0.50       | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
| MW-3            | 10/12/2021 | <0.50                        | <0.50   | <0.50        | <1.50         | <0.50  | <0.50              | <2.0        | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.50              |
|                 | 7/28/2023  | <0.50                        | <0.50   | <0.50        | 0.27 J        | <0.50  | <0.50              | <0.50       | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 5/18/2006  | <0.5                         | <0.5    | <0.5         | <1.5          | <0.5   | <0.5               | <b>21</b>   | <0.019                  | 1.3              | <0.5            | 11                     | 0.63                   | --                 |
|                 | 10/23/2014 | <b>1.4J</b>                  | <0.9    | <0.92        | <1.8          | <0.9   | <1.8               | <1.2        | <0.89                   | <1.1             | <0.94           | <1.8                   | <1                     | <1.9               |
|                 | 10/1/2015  | <b>74</b>                    | <0.18   | <0.18        | <0.36         | 1.5    | 3.2                | <b>41</b>   | <0.18                   | 18               | 1               | 0.96J                  | <0.2                   | <0.39              |
|                 | 7/12/2017  | 0.82                         | <0.20   | <0.20        | <0.60         | 0.54   | 0.53               | <0.50       | <0.10                   | 0.51             | <0.10           | <0.30                  | <0.30                  | <0.20              |
|                 | 6/14/2019  | <b>2.7</b>                   | <0.50   | <0.50        | <0.50         | 0.99   | 1.1                | <b>10.3</b> | <0.50                   | 0.96             | <0.50           | <0.50                  | <0.50                  | 0.28               |
|                 | 12/9/2019  | <0.50                        | <0.50   | <0.50        | <0.50         | <0.50  | <0.50              | <0.50       | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 6/9/2020   | <0.50                        | <0.50   | <0.50        | <0.50         | <0.50  | <0.50              | 1.8         | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 10/12/2021 | <0.50                        | <0.50   | <0.50        | <1.50         | <0.50  | <0.50              | <2.0        | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.50              |
| 2L Standard     |            | 1                            | 600     | 600          | 500           | 20     | 70                 | 6           | 0.02                    | 70               | 70              | 400                    | 400                    | 0.4                |
| GCL             |            | 5,000                        | 260,000 | 80,000       | 50,000        | 20,000 | 70,000             | 6,000       | 50                      | 30,500           | 26,100          | 28,500                 | 24,100                 | 400                |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in *italics* print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
8. J = Indicates constituent was detected above laboratory detection limit but below laboratory reporting limit.

**TABLE 5  
HISTORICAL GROUNDWATER ANALYTICAL DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Monitoring Well | Date       | Standard Method 6200B        |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
|-----------------|------------|------------------------------|----------------|---------------|---------------|---------------|--------------------|--------------|-------------------------|------------------|-----------------|------------------------|------------------------|--------------------|
|                 |            | Benzene                      | Toluene        | Ethylbenzene  | Total Xylenes | MTBE          | Di-Isopropyl Ether | Naphthalene  | 1,2-Dibromoethane (EDB) | Isopropylbenzene | n-Propylbenzene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | 1,2-Dichloroethane |
| MW-4            | 6/29/2006  | <0.5                         | <0.5           | <0.5          | <1.5          | 0.72          | <0.5               | <0.5         | <0.019                  | <0.5             | <1.5            | <0.5                   | <0.5                   | -                  |
|                 | 10/23/2014 | Not Sampled/Could Not Locate |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
|                 | 10/1/2015  | 0.33J                        | 0.11J          | <0.092        | <0.18         | 0.91          | <0.18              | <0.12        | <0.089                  | <0.11            | <0.094          | <0.18                  | <0.1                   | <0.19              |
|                 | 7/12/2017  | 0.59                         | <0.20          | <0.20         | <0.60         | 9.3           | 0.26               | <0.50        | <0.10                   | <0.20            | <0.10           | <0.30                  | <0.30                  | <0.20              |
|                 | 6/14/2019  | Not Sampled/Could Not Locate |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
|                 | 12/9/2019  | <0.50                        | <0.50          | <0.50         | <0.50         | 4.8           | <0.50              | <0.50        | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | 0.23               |
|                 | 6/9/2020   | <b>1.1</b>                   | <0.50          | <0.50         | <0.50         | 7.1           | <0.50              | <0.50        | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.20              |
|                 | 10/12/2021 | Not Sampled/Could Not Locate |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
| MW-5            | 7/28/2023  | Could not Locate             |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
|                 | 5/18/2006  | <b>81</b>                    | 313            | 40            | 203           | <b>24</b>     | 1.1                | <b>14</b>    | 1                       | 2                | 5.3             | 26                     | 8.6                    | --                 |
|                 | 10/23/2014 | Not Sampled/Free Product     |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
|                 | 10/1/2015  | <b>71</b>                    | 530            | 570           | <b>2,810</b>  | 17            | 1.9J               | <b>300</b>   | <0.89                   | 42               | <b>130</b>      | <b>1,100</b>           | 280                    | <1.9               |
|                 | 7/12/2017  | <1.5                         | 10.7           | 63.3          | 441           | 3.1           | <0.50              | <b>64.0</b>  | <0.50                   | 20.2             | 68.1            | <b>472</b>             | 167                    | <1.0               |
|                 | 6/14/2019  | <b>155</b>                   | 35.2           | 31.5          | 138           | <b>51.5</b>   | 3.5                | <b>26.8</b>  | <0.50                   | 5.3              | 16.3            | 97.9                   | 41.6                   | <b>9.4</b>         |
|                 | 12/9/2019  | <b>12.1</b>                  | 2.3            | 5.5           | 31.2          | <0.50         | 0.69               | <b>8.7</b>   | <0.50                   | 3.5              | 11.3            | 76.0                   | 29.7                   | <0.20              |
|                 | 6/9/2020   | <b>61.3</b>                  | 41.6           | 17.1          | 59.0          | <b>21.7</b>   | 1.4                | <b>9.5</b>   | <0.50                   | 2.7              | 8.9             | 59.5                   | 19.7                   | <b>4.0</b>         |
| MW-6            | 10/12/2021 | <b>20.0</b>                  | 10.1           | 10.1          | 47.5          | 14.4          | 0.99               | <b>7.3</b>   | <0.50                   | 1.3              | 3.2             | 28.5                   | 9.5                    | <b>2.7</b>         |
|                 | 7/28/2023  | <b>26.9</b>                  | 5.5            | 4.3           | 9.9           | 9.8           | 0.98               | 3.7          | <0.50                   | 1.0              | 2.6             | 9.7                    | 4.6                    | <b>2.3</b>         |
|                 | 6/29/2006  | <b>878</b>                   | <b>1,730</b>   | 210           | <b>1,526</b>  | <100          | <100               | <100         | <b>6.3</b>              | <100             | <100            | <100                   | <100                   | --                 |
|                 | 10/23/2014 | <b>1,800</b>                 | <b>22,000</b>  | <b>3,100</b>  | <b>18,200</b> | 26            | 58                 | <b>240</b>   | <b>90</b>               | <b>140</b>       | <b>380</b>      | <b>2,900</b>           | <b>780</b>             | <b>28</b>          |
|                 | 10/1/2015  | <b>1,800</b>                 | <b>720</b>     | <b>2,000</b>  | <b>4,410</b>  | 47            | 86                 | <4.8         | <3.6                    | <b>84</b>        | <b>190</b>      | <b>1,500</b>           | 390                    | <7.8               |
| 3/27/2018       |            | Abandoned                    |                |               |               |               |                    |              |                         |                  |                 |                        |                        |                    |
| 2L Standard     |            | 1                            | 600            | 600           | 500           | 20            | 70                 | 6            | 0.02                    | 70               | 70              | 400                    | 400                    | 0.4                |
| GCL             |            | <b>5,000</b>                 | <b>260,000</b> | <b>80,000</b> | <b>50,000</b> | <b>20,000</b> | <b>70,000</b>      | <b>6,000</b> | <b>50</b>               | <b>30,500</b>    | <b>26,100</b>   | <b>28,500</b>          | <b>24,100</b>          | <b>400</b>         |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in *italics* print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
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**TABLE 5  
HISTORICAL GROUNDWATER ANALYTICAL DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Monitoring Well | Date       | Standard Method 6200B |         |              |               |        |                    |             |                         |                  |                 |                        |                        |                    |
|-----------------|------------|-----------------------|---------|--------------|---------------|--------|--------------------|-------------|-------------------------|------------------|-----------------|------------------------|------------------------|--------------------|
|                 |            | Benzene               | Toluene | Ethylbenzene | Total Xylenes | MTBE   | Di-isopropyl Ether | Naphthalene | 1,2-Dibromoethane (EDB) | Isopropylbenzene | n-Propylbenzene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | 1,2-Dichloroethane |
| MW-6R           | 1/2/2019   | 1,020                 | 30,200  | 5,100        | 32,400        | <250   | <250               | 2,260       | <250                    | <250             | 711             | 6,520                  | 1,620                  | <100               |
|                 | 6/14/2019  | 853                   | 20,500  | 2,760        | 18,500        | <100   | <100               | 930         | 223                     | 120              | 358             | 3,170                  | 793                    | <40                |
|                 | 12/9/2019  | 602                   | 14,100  | 2,840        | 16,600        | <100   | <100               | 1,280       | 104                     | 107              | 393             | 3,280                  | 883                    | <40                |
|                 | 6/9/2020   | 544                   | <50     | 2,910        | 15,400        | <50    | <50                | 926         | 120                     | 126              | 375             | 2,910                  | 748                    | <20                |
|                 | 10/12/2021 | 416                   | 24,300  | 3,520        | 19,850        | <100   | <100               | 940         | <100                    | 153              | 394             | 2,940                  | 680                    | <100               |
|                 | 7/28/2023  | 200                   | 9,770   | 5,610        | 25,900        | <50    | <50                | 2,020       | 37.6 J                  | 239              | 767             | 5,620                  | 1,430                  | <20                |
| MW-7            | 5/18/2006  | 4.1                   | <0.5    | <0.5         | <1.5          | 0.71   | <0.5               | 3.8         | <0.019                  | 2.9              | <0.5            | <0.5                   | <0.5                   | --                 |
|                 | 10/23/2014 | 1.7                   | 0.14J   | <0.092       | <0.18         | 0.99   | <0.18              | <0.12       | <0.089                  | 0.34J            | <0.094          | <0.18                  | <0.1                   | <0.19              |
|                 | 10/1/2015  | 29                    | 0.11J   | 0.1J         | 0.56J         | 5.2    | 2.5                | <0.12       | <0.089                  | 0.93             | 0.19J           | <0.18                  | <0.1                   | <0.19              |
|                 | 7/12/2017  | 50.7                  | <0.20   | <0.20        | 3.6           | 4.4    | 4.1                | 3.4         | <0.10                   | 4.1              | 0.25            | 2.2                    | <0.30                  | 1.1                |
|                 | 6/14/2019  | 76.1                  | <0.50   | <0.50        | 3.0           | 2.2    | 1.9                | 6.4         | <0.50                   | 4.8              | <0.50           | 1.3                    | <0.50                  | 0.55               |
|                 | 12/9/2019  | 12.0                  | <0.50   | <0.50        | 9.9           | <0.50  | 1.3                | 2.3         | <0.50                   | 4.3              | <0.50           | 4.1                    | <0.50                  | 0.59               |
|                 | 6/9/2020   | 15.5                  | <0.50   | <0.50        | 2.2           | 1.4    | 1.4                | 3.5         | <0.50                   | 2.9              | <0.50           | <0.50                  | <0.50                  | 0.47               |
|                 | 10/12/2021 | 0.86                  | <0.50   | <0.50        | <1.5          | <0.50  | <0.50              | <2.0        | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | <0.50              |
|                 | 7/28/2023  | 0.45 J                | <0.50   | <0.50        | <0.50         | 0.26 J | 0.15 J             | <0.50       | <0.50                   | 0.33 J           | <0.50           | <0.50                  | <0.50                  | <0.20              |
| MW-8            | 6/14/2019  | 170                   | 1,020   | 482          | 3,270         | <10    | <10                | 157         | <10                     | 35.4             | 91.6            | 1,310                  | 317                    | <4.0               |
|                 | 12/9/2019  | 144                   | 678     | 485          | 2,250         | <5.0   | <5.0               | 44.6        | <5.0                    | 40.5             | 132             | 855                    | 392                    | <2.0               |
|                 | 6/9/2020   | 169                   | 678     | 495          | 2,540         | <5.0   | <5.0               | 50.0        | <5.0                    | 41.3             | 114             | 905                    | 318                    | <2.0               |
|                 | 10/12/2021 | 70.0                  | 270     | 230          | 1,071         | <2.5   | <2.5               | 14.4        | <2.5                    | 24.8             | 59.0            | 501                    | 183                    | <2.5               |
|                 | 7/28/2023  | Could not Locate      |         |              |               |        |                    |             |                         |                  |                 |                        |                        |                    |
| MW-9            | 6/14/2019  | <0.50                 | 0.99    | 2.1          | 18.1          | 148    | 51.4               | 8.3         | <0.50                   | 0.62             | 2.5             | 28.7                   | 11.8                   | 1.9                |
|                 | 12/9/2019  | 0.69                  | 17.3    | 29.5         | 197           | 36.5   | 18.5               | 0.82        | <0.50                   | 2.7              | 6.2             | 45.1                   | 32.4                   | 1.5                |
|                 | 6/9/2020   | <0.50                 | <0.50   | <0.50        | 0.71          | 45.3   | 7.2                | <0.50       | <0.50                   | <0.50            | <0.50           | <0.50                  | <0.50                  | 0.79               |
|                 | 10/12/2021 | <0.50                 | 2.0     | 3.1          | 41.6          | 27.9   | 8.7                | <2.0        | <0.50                   | <0.50            | <0.50           | 8.9                    | 7.6                    | 0.58               |
|                 | 7/28/2023  | <0.50                 | <0.50   | <0.50        | 0.41 J        | 10.6   | 2.3                | 0.12 J      | <0.50                   | <0.50            | <0.50           | 0.19 J                 | <0.50                  | <0.20              |
| 2L Standard     |            | 1                     | 600     | 600          | 500           | 20     | 70                 | 6           | 0.02                    | 70               | 70              | 400                    | 400                    | 0.4                |
| GCL             |            | 5,000                 | 260,000 | 80,000       | 50,000        | 20,000 | 70,000             | 6,000       | 50                      | 30,500           | 26,100          | 28,500                 | 24,100                 | 400                |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in **italics** print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
8. J = Indicates constituent was detected above laboratory detection limit but below laboratory reporting limit.

**TABLE 6  
WATER SUPPLY WELL ANALYTICAL DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Water Supply Well  | Date       | Standard Method 6200B |                |               |               |               |               |                     |                    |               |                  |                          |
|--------------------|------------|-----------------------|----------------|---------------|---------------|---------------|---------------|---------------------|--------------------|---------------|------------------|--------------------------|
|                    |            | Benzene               | Toluene        | Ethylbenzene  | Total Xylenes | MTBE          | Chloroform    | 1,2-Dichloropropane | 1,2-Dichloroethane | Lead          | Acetone          | Ethyl Alcohol            |
| 3007               | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 3009               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 3012               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 3013               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 3014               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 3037               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
| 4008 (WSW-8)       | 6/14/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <0.30               | <0.20              | NA            | <10              | <0.50                    |
|                    | 12/9/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <0.30               | 0.20               | NA            | <10              | <0.50                    |
|                    | 6/9/2020   | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <0.30               | <0.20              | NA            | <10              | <0.50                    |
| 4009               | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 4010 (WSW-6)       | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <b>5.5</b>          | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <b>5.33</b>         | --                 | --            | --               | --                       |
|                    | 5/18/2006  | <0.5                  | <0.5           | <0.5          | <1.5          | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
|                    | 10/23/2014 | <0.079                | <0.09          | <0.092        | <0.18         | <0.09         | 0.29J         | <b>4.7</b>          | <0.19              | NA            | 5.1J             | <0.50                    |
|                    | 1/2/2019   | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <b>3.2</b>          | <0.20              | NA            | <10              | <0.50                    |
|                    | 6/14/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <b>3.1</b>          | <0.20              | NA            | <10              | <0.50                    |
|                    | 12/9/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <b>3.0</b>          | 0.36               | NA            | <10              | <0.50                    |
|                    | 6/9/2020   | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <b>2.8</b>          | <0.20              | NA            | <10              | <0.50                    |
| <b>2L Standard</b> |            | <b>1</b>              | <b>600</b>     | <b>600</b>    | <b>500</b>    | <b>20</b>     | <b>70</b>     | <b>0.6</b>          | <b>0.4</b>         | <b>15</b>     | <b>6,000</b>     | <b>4,000<sup>a</sup></b> |
| <b>GCL</b>         |            | <b>5,000</b>          | <b>260,000</b> | <b>80,000</b> | <b>50,000</b> | <b>20,000</b> | <b>70,000</b> | <b>600</b>          | <b>400</b>         | <b>15,000</b> | <b>6,000,000</b> | <b>4,000,000</b>         |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in *italics* print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
8. J = Indicates constituent was detected above laboratory detection limit but below laboratory reporting limit.
9. <sup>a</sup> = Interim Maximum Allowable Concentrations (IMAC) - April 2022.

**TABLE 6  
WATER SUPPLY WELL ANALYTICAL DATA**

**TOWNSVILLE AUTO PARTS  
12590 NC HIGHWAY 39  
TOWNSVILLE, VANCE COUNTY, NORTH CAROLINA  
INCIDENT #5620**

| Water Supply Well  | Date       | Standard Method 6200B |                |               |               |               |               |                     |                    |               |                  |                          |
|--------------------|------------|-----------------------|----------------|---------------|---------------|---------------|---------------|---------------------|--------------------|---------------|------------------|--------------------------|
|                    |            | Benzene               | Toluene        | Ethylbenzene  | Total Xylenes | MTBE          | Chloroform    | 1,2-Dichloropropane | 1,2-Dichloroethane | Lead          | Acetone          | Ethyl Alcohol            |
| 4011               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <b>1.5</b>          | --                 | <b>17</b>     | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 4012               | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
| 4017               | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
|                    | 10/23/2014 | 0.26J                 | <0.09          | <0.092        | <0.18         | <0.09         | 0.33J         | <0.11               | <0.19              | NA            | <4.7             | <0.50                    |
| 4019A<br>(WSW-12)  | 9/8/2004   | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | <15           | --               | --                       |
|                    | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
|                    | 12/9/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | <0.50         | <0.50         | <0.30               | <0.20              | NA            | <10              | <0.50                    |
| 4026               | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | <0.5          | --            | <0.5                | --                 | --            | --               | --                       |
| 4030 (WSW-9)       | 12/20/2005 | <0.5                  | <0.5           | <0.5          | <2            | 3.12          | --            | <0.5                | --                 | --            | --               | --                       |
|                    | 5/18/2006  | <0.5                  | <0.5           | <0.5          | <1.5          | 7.36          | --            | <0.5                | --                 | --            | --               | --                       |
|                    | 10/23/2014 | <0.079                | <0.09          | <0.092        | <0.18         | 0.28J         | <0.29         | <0.11               | <0.19              | NA            | <4.7             | <0.50                    |
|                    | 10/1/2015  | <0.079                | <0.09          | <0.092        | <0.18         | 0.63          | <0.14         | <0.11               | <0.19              | NA            | <4.9             | <0.50                    |
|                    | 6/14/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | 1.9           | <0.50         | <0.30               | 0.26               | NA            | <10              | <0.50                    |
|                    | 12/9/2019  | <0.50                 | <0.50          | <0.50         | <0.50         | 1.4           | <0.50         | <0.30               | 0.39               | NA            | <10              | <0.50                    |
|                    | 6/9/2020   | <0.50                 | <0.50          | <0.50         | <0.50         | 1.4           | <0.50         | <0.30               | 0.33               | NA            | <10              | <0.50                    |
|                    | 10/12/2021 | <0.50                 | <0.50          | <0.50         | <1.50         | 3.1           | <0.50         | <0.50               | <b>0.56</b>        | NA            | <10              | <0.50                    |
|                    | 7/28/2023  | <0.50                 | <0.50          | <0.50         | <0.50         | 1.3           | <0.50         | <0.50               | 0.27               | NA            | <10              | 12.9 J                   |
| <b>2L Standard</b> |            | <b>1</b>              | <b>600</b>     | <b>600</b>    | <b>500</b>    | <b>20</b>     | <b>70</b>     | <b>0.6</b>          | <b>0.4</b>         | <b>15</b>     | <b>6,000</b>     | <b>4,000<sup>a</sup></b> |
| <b>GCL</b>         |            | <b>5,000</b>          | <b>260,000</b> | <b>80,000</b> | <b>50,000</b> | <b>20,000</b> | <b>70,000</b> | <b>600</b>          | <b>400</b>         | <b>15,000</b> | <b>6,000,000</b> | <b>4,000,000</b>         |

Notes:

1. "<" = Not Detected at or above the laboratory reporting limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion (ppb).
3. Concentrations in **bold** print equal or exceed the corresponding NCDEQ Groundwater Quality 2L Standard (2L Standard) - April 2022 or Interim Maximum Allowable Concentration (IMAC) - April 2022.
4. Concentrations in *italics* print equal or exceed the corresponding NCDEQ Gross Contamination Levels (GCLs) April 2022.
5. 2L = 15A NCAC 2L .0202 Groundwater Standards.
6. MTBE = Methyl tert-butyl ether.
7. -- = Data not available.
8. J = Indicates constituent was detected above laboratory detection limit but below laboratory reporting limit.
9. <sup>a</sup> = Interim Maximum Allowable Concentrations (IMAC) - April 2022.

## FIGURES



Source: My Topo Map



ASSOCIATES OF NORTH CAROLINA, P.C.

2725 E. Millbrook Road, Suite 121  
Raleigh, NC 27604  
(919) 871-0999

## FIGURE 1 SITE TOPOGRAPHIC MAP

**TOWNSVILLE AUTO PARTS – INCIDENT #5620**  
12590 NC HIGHWAY 39  
TOWNSVILLE, NORTH CAROLINA

PROJECT NO: SLC0562001

REVIEWED BY: JC

SCALE: 1" = 7,630'

DATE: 8/7/17

H:\2021\OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\TOWNSVILLE AUTO\SLC0562001-SITE.DWG, FIG2



**LEGEND:**

MW-1 MONITORING WELL  
Well Identification

MW-6 ABANDONED MONITORING WELL  
Well Identification

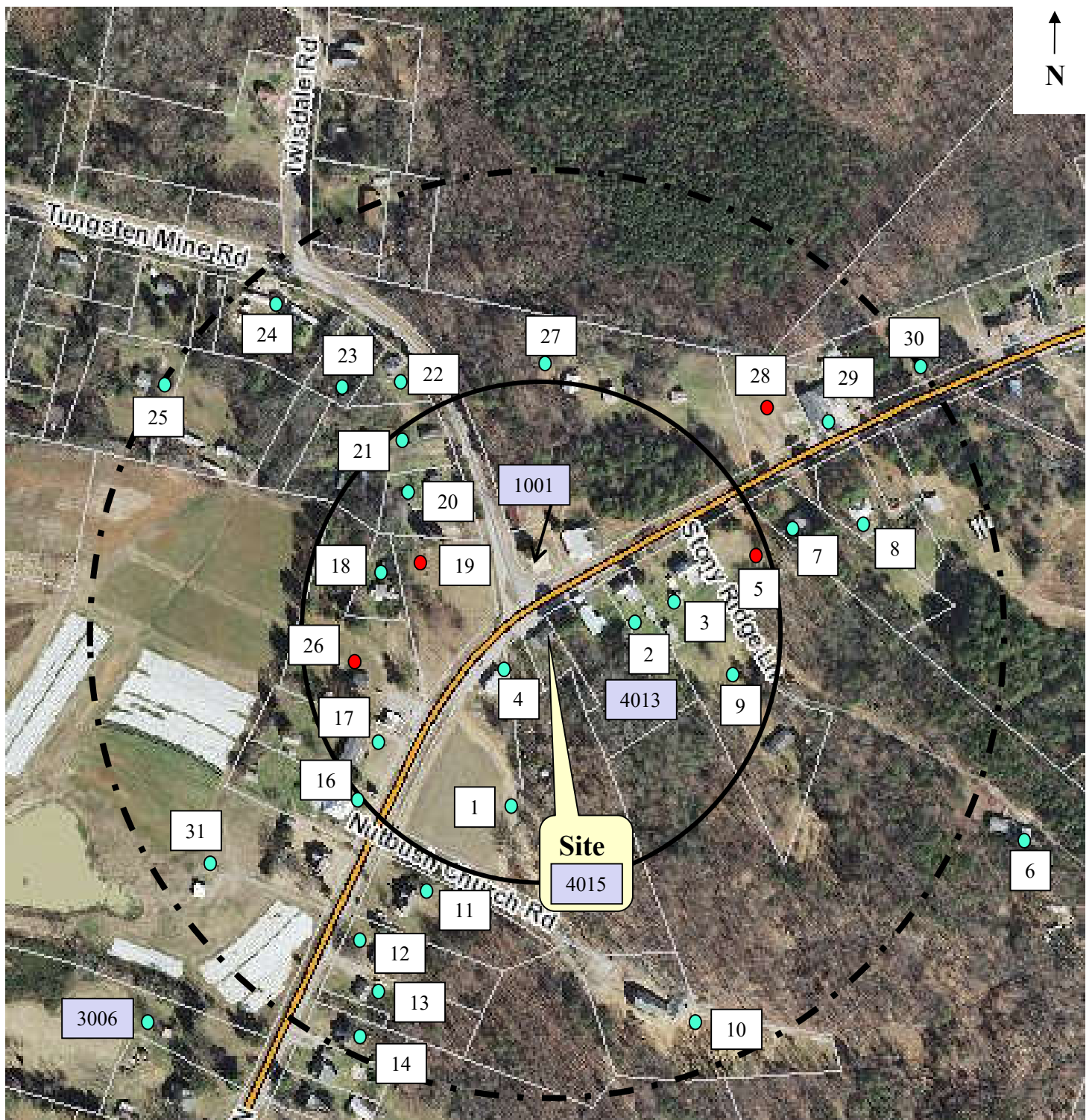
WSW-4 ACTIVE WATER SUPPLY WELL  
Well Identification

--- SITE PROPERTY LINE

— PARCEL LINE

NOTE: ALL LOCATIONS ARE APPROXIMATE

|                                                                                                                                   |  |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|
| Project Number:<br>SLC0562001                                                                                                     |  | Dm. By:<br>DH  |  |
| Drawing File:<br>SEE LOWER LEFT                                                                                                   |  | Ckd. By:<br>AW |  |
| <b>ATC</b>                                                                                                                        |  | App'd By:      |  |
|                                                                                                                                   |  | Ckd. Date:     |  |
| <b>NOTES:</b><br>1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.                |  |                |  |
| COORDINATE SYSTEM:<br>NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET                                               |  |                |  |
| <b>SITE MAP</b><br>TOWNSVILLE AUTO PARTS<br>12590 NORTH CAROLINA HIGHWAY 39<br>TOWNSVILLE, NORTH CAROLINA<br>NCDEQ INCIDENT #5620 |  |                |  |
| Date:<br>11/10/2021                                                                                                               |  |                |  |
| Scale:<br>AS SHOWN                                                                                                                |  |                |  |
| Figure:<br>2                                                                                                                      |  |                |  |



14 Water Supply Well Map ID – Reference *Table 1*

3006 Parcel ID – Reference *Table 1*

Source: Vance County NC GIS

● Potable Water Supply Well

● Inactive Water Supply Well

———— 500 Foot Radius

- - - - 1,000 Foot Radius

**ATC**  
ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

2725 E. Millbrook Road, Suite 121  
Raleigh, NC 27604  
(919) 871-0999

PROJECT NO: SLP0562005

REVIEWED BY: AW

SCALE: 1" = 320'

DATE: 8/7/17

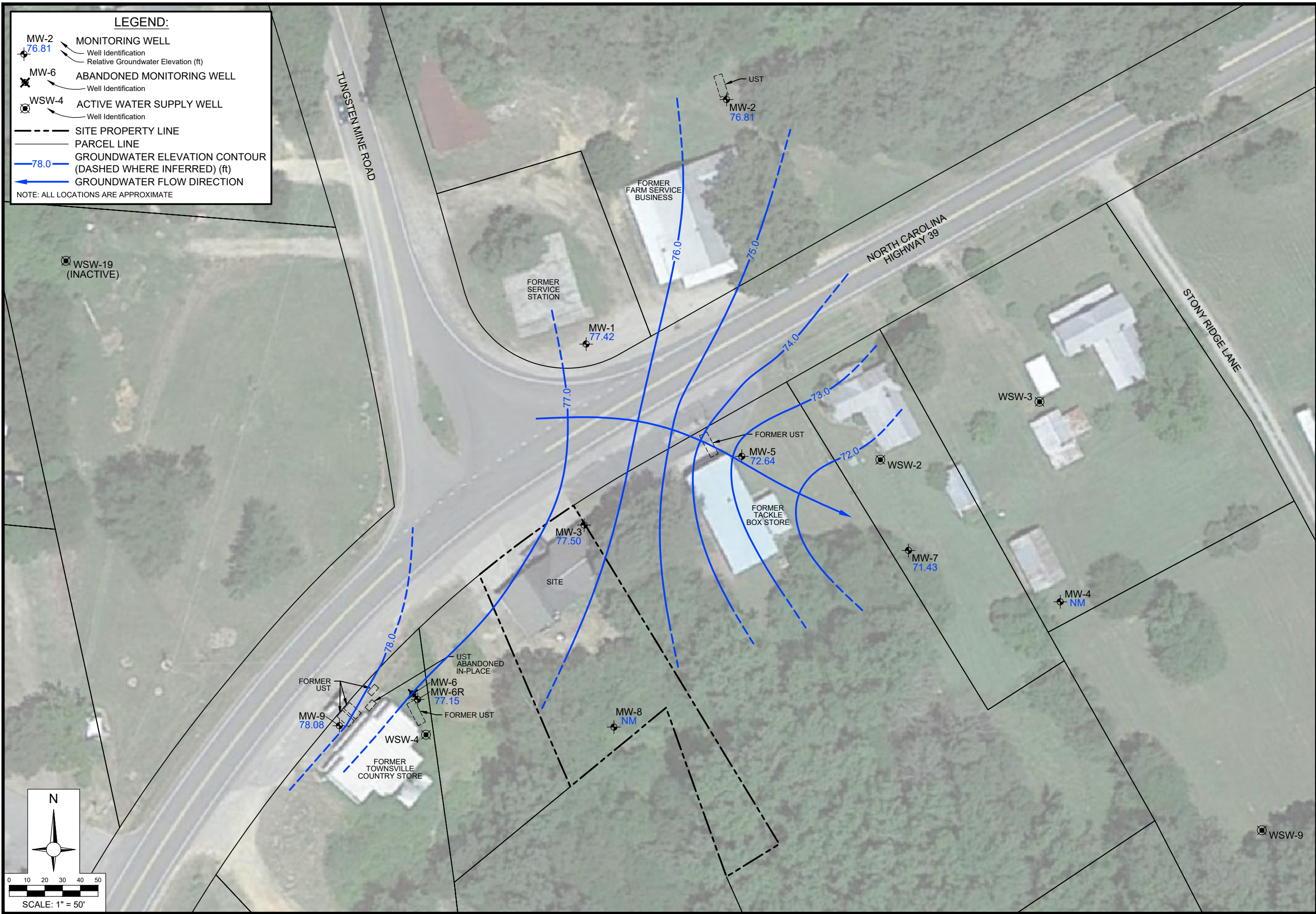
### FIGURE 3 POTENTIAL RECEPTOR MAP

**TOWNSVILLE AUTO PARTS – INCIDENT #5620**

12590 NC HIGHWAY 39

TOWNSVILLE, NORTH CAROLINA

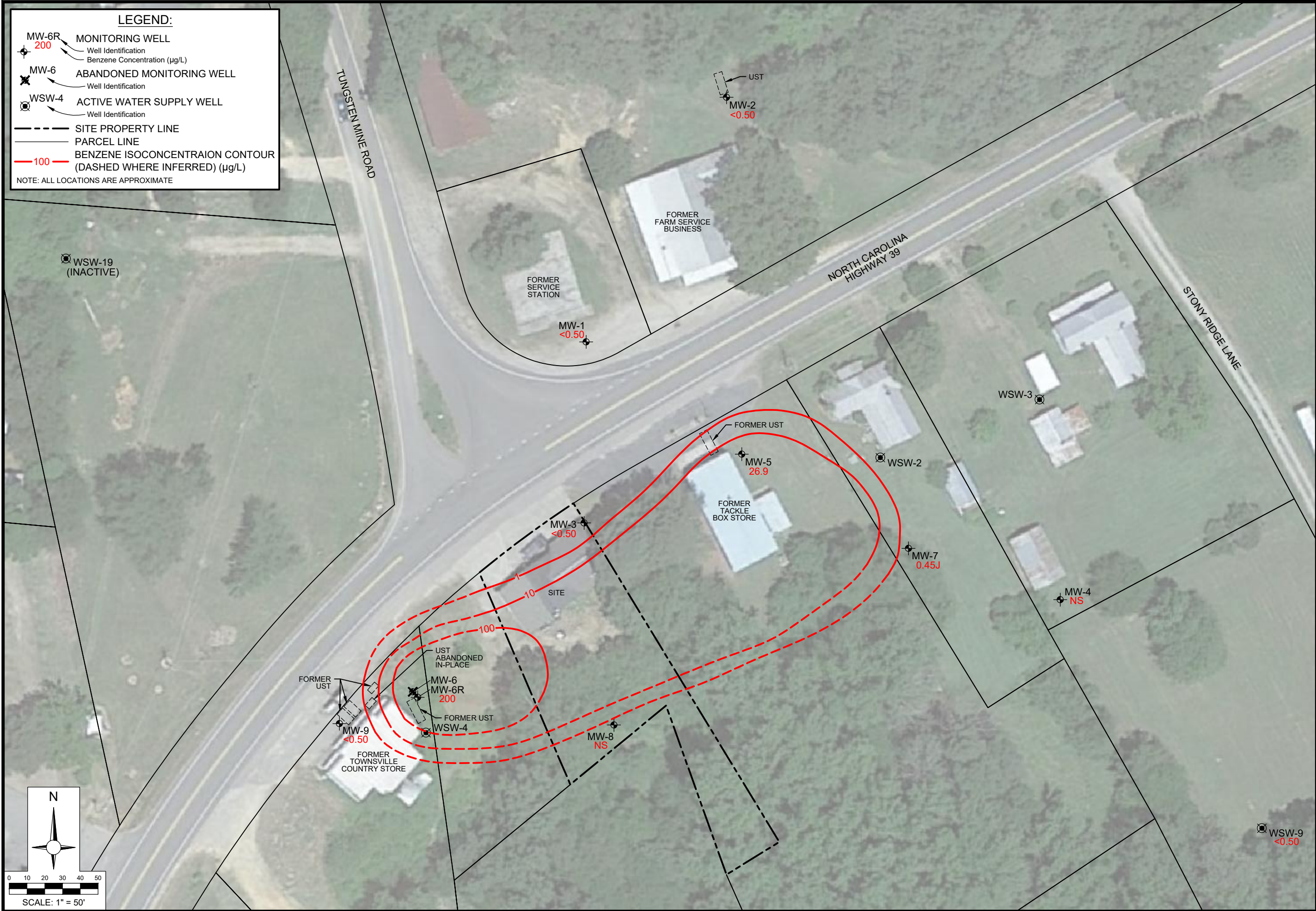
H:\2023\1 OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\TOWNSVILLE AUTO\STL0562001-POT.DWG, FIG4



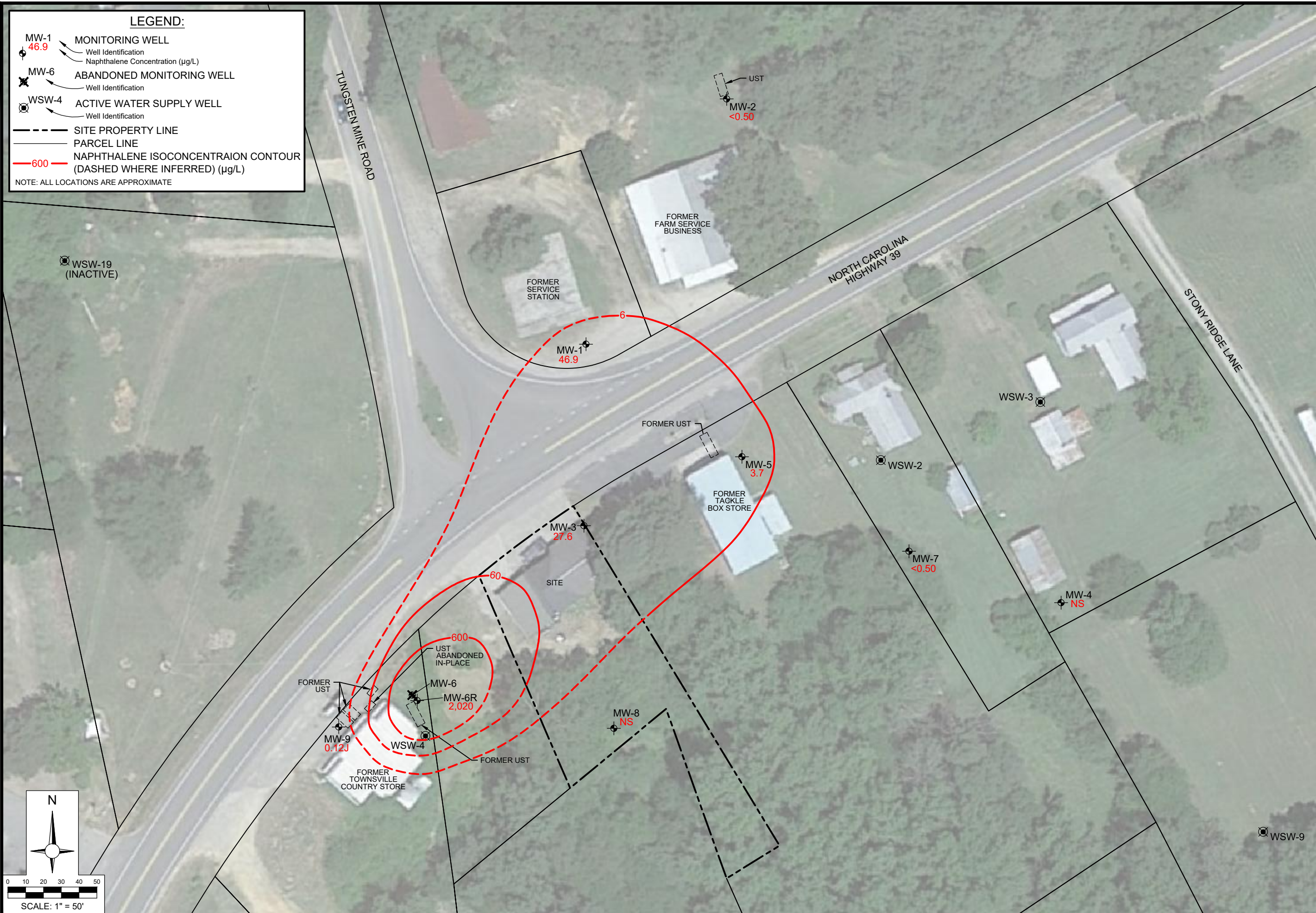
|                                                                                                                                                                           |  |                                                                                                                                                                                                                             |  |                                                    |  |                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-----------------------------------|--|
| <div>GROUNDWATER ELEVATION CONTOUR MAP</div> <div>TOWNSVILLE AUTO PARTS<br/>12590 NORTH CAROLINA HIGHWAY 39<br/>TOWNSVILLE, NORTH CAROLINA<br/>NCDEQ INCIDENT #5620</div> |  | <div>NOTES:</div> <div>1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.</div> <div>2. Groundwater elevations measured July 28, 2023.</div> <div>3. NM = Not Measured</div> |  | <div>Project Number:</div> <div>STL0562001</div>   |  | <div>Dim. By:</div> <div>MS</div> |  |
|                                                                                                                                                                           |  |                                                                                                                                                                                                                             |  | <div>Drawing File:</div> <div>SEE LOWER LEFT</div> |  | <div>Ckd. By:</div> <div>LS</div> |  |
|                                                                                                                                                                           |  |                                                                                                                                                                                                                             |  | <div>ATC</div>                                     |  | <div>App'd By:</div>              |  |
|                                                                                                                                                                           |  |                                                                                                                                                                                                                             |  |                                                    |  | <div>Ckd. Date:</div>             |  |
|                                                                                                                                                                           |  | <div>COORDINATE SYSTEM:</div> <div>NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET</div>                                                                                                                      |  |                                                    |  |                                   |  |

|                                        |
|----------------------------------------|
| <div>Date:</div> <div>08/14/2023</div> |
| <div>Scale:</div> <div>AS SHOWN</div>  |
| <div>Figure:</div> <div>4</div>        |

H:\202311 OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\TOWNSVILLE AUTO\STL0562001-BENZ.DWG, FIG5



|                                                                                                                                                             |            |                                                                                                                                                                                                                                                                         |                |                                                                                     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|----|
| DISSOLVED BENZENE<br>ISOCONCENTRATION MAP<br>TOWNSVILLE AUTO PARTS<br>12590 NORTH CAROLINA HIGHWAY 39<br>TOWNSVILLE, NORTH CAROLINA<br>NCDEQ INCIDENT #5620 |            | NOTES:<br>1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.<br>2. Groundwater samples collected July 28, 2023.<br>3. Groundwater measured in micrograms per liter (µg/L).<br>4. NS = Not Sampled<br>5. < = Not Detected |                | COORDINATE SYSTEM:<br>NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET |    |
| Date:                                                                                                                                                       | 08/14/2023 | Project Number:                                                                                                                                                                                                                                                         | STL0562001     | Drawn By:                                                                           | MS |
| Scale:                                                                                                                                                      | AS SHOWN   | Drawing File:                                                                                                                                                                                                                                                           | SEE LOWER LEFT | Checked By:                                                                         | LS |
| Figure:                                                                                                                                                     | 5          |                                                                                                                                                                                      |                | App'd By:                                                                           |    |
|                                                                                                                                                             |            |                                                                                                                                                                                                                                                                         |                | Ok'd Date:                                                                          |    |



|                                                                                                                                                                               |  |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|
| <b>DISSOLVED NAPHTHALENE</b><br><b>ISOCONCENTRATION MAP</b><br>TOWNSVILLE AUTO PARTS<br>12590 NORTH CAROLINA HIGHWAY 39<br>TOWNSVILLE, NORTH CAROLINA<br>NCDEQ INCIDENT #5620 |  | Date:<br>08/14/2023 |
|                                                                                                                                                                               |  | Scale:<br>AS SHOWN  |
| Figure:<br><div>6</div>                                                                                                                                                       |  |                     |

|                                                                                                                                                                                                                                                                         |  |                                                                                     |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|----------------|
| NOTES:<br>1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.<br>2. Groundwater samples collected July 28, 2023.<br>3. Groundwater measured in micrograms per liter (µg/L).<br>4. NS = Not Sampled<br>5. < = Not Detected |  | Project Number:<br>STL0562001                                                       | Dm. By:<br>MS  |
|                                                                                                                                                                                                                                                                         |  | Drawing File:<br>SEE LOWER LEFT                                                     | Ckd. By:<br>LS |
|                                                                                                                                                                                                                                                                         |  |  | App'd By:      |
|                                                                                                                                                                                                                                                                         |  |                                                                                     | Ckd. Date:     |

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| COORDINATE SYSTEM:<br>NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET |  |
|-------------------------------------------------------------------------------------|--|

**APPENDIX A**  
**PHOTOGRAPH LOG**



Photo 1: Former Townsville Country Store.



Photo 2: Unknown Abandoned Gas Station.

### Site Photographs

Townsville Auto Parts – Incident #5620

12590 NC Highway 39  
Townsville, Vance County, North Carolina



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina  
Tel: (919) 871-0999 Fax: (737) 207-8261

Photos Taken By: Garrett Lewis

Site ID: Incident #5620

ATC Project No.: SLC0562001



Photo 1: Former Townsville Country Store.

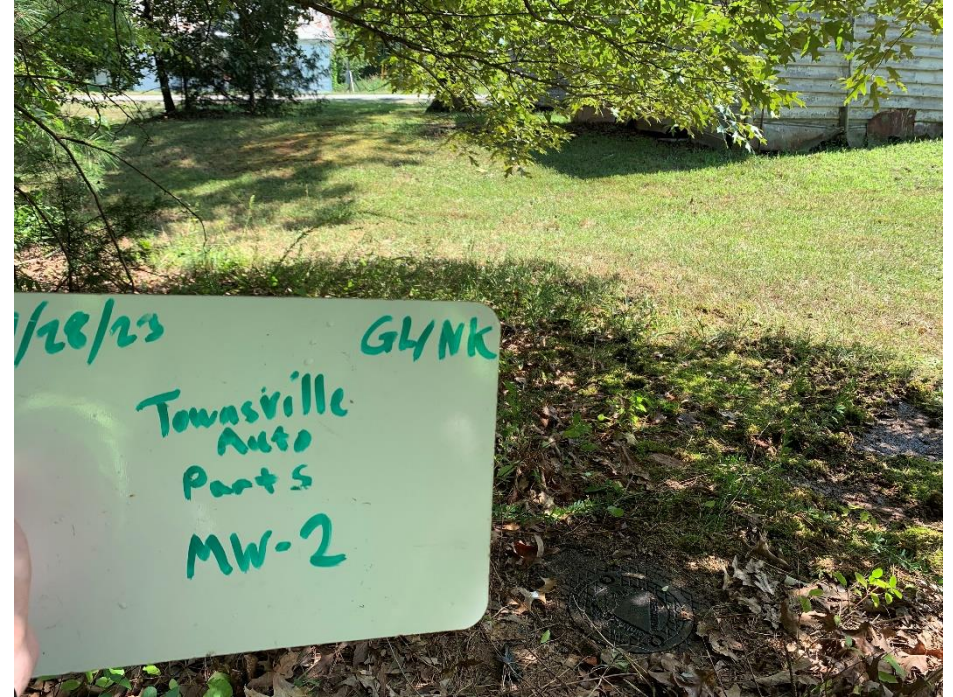


Photo 2: Unknown Abandoned Gas Station.

### Site Photographs

Townsville Auto Parts – Incident #5620

12590 NC Highway 39  
Townsville, Vance County, North Carolina



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina  
Tel: (919) 871-0999 Fax: (737) 207-8261

Photos Taken By: Garrett Lewis

Site ID: Incident #5620

ATC Project No.: SLC0562001

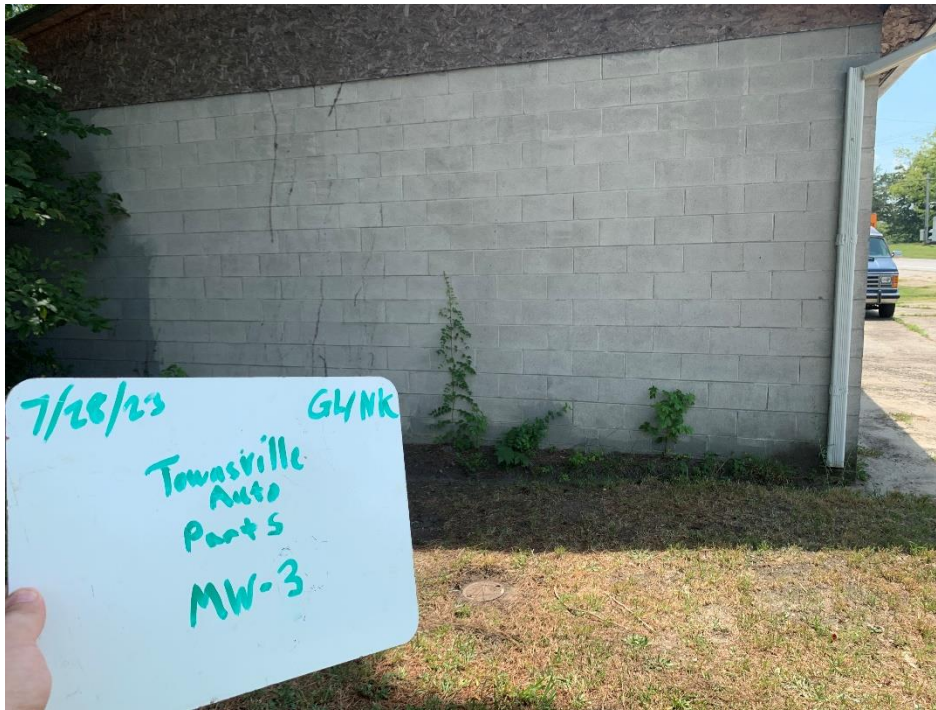


Photo 3: Monitoring well MW-1.

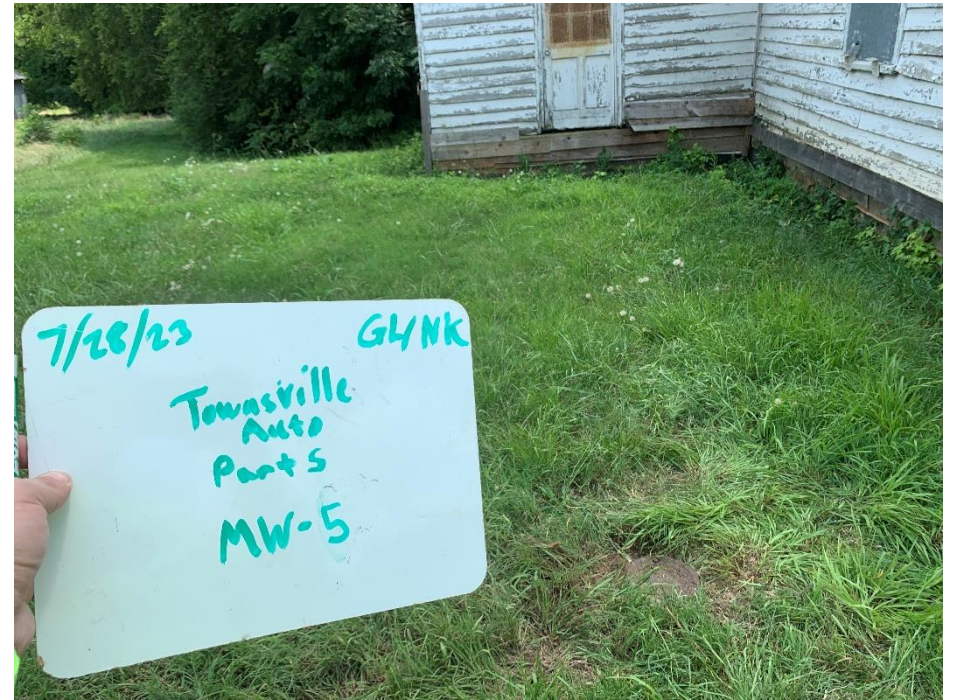


Photo 4: Monitoring well MW-5.

### Site Photographs

Townsville Auto Parts – Incident #5620

12590 NC Highway 39  
Townsville, Vance County, North Carolina



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina  
Tel: (919) 871-0999 Fax: (737) 207-8261

Photos Taken By: Garrett Lewis

Site ID: Incident #5620

ATC Project No.: SLC0562001

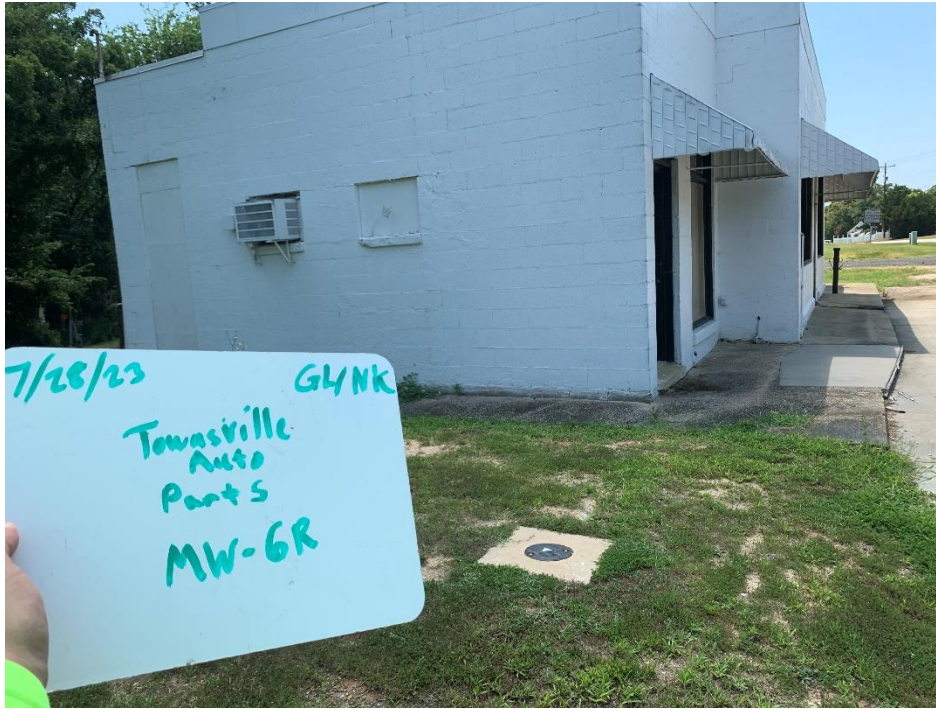


Photo 5: Monitoring well MW-6R.

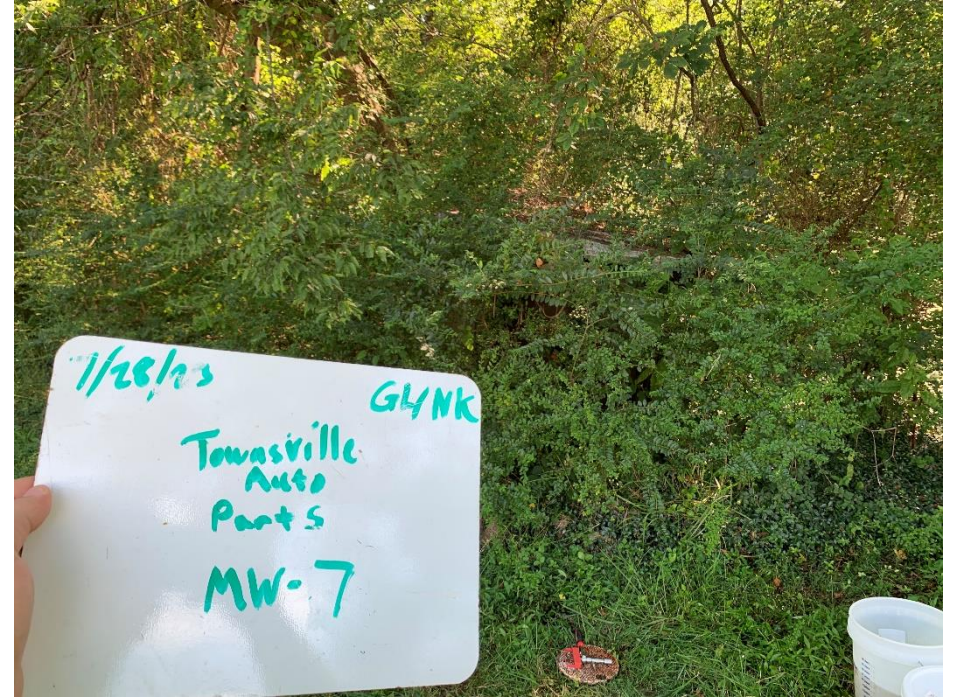


Photo 6: Monitoring well MW-7.

### Site Photographs

Townsville Auto Parts – Incident #5620

12590 NC Highway 39  
Townsville, Vance County, North Carolina



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina  
Tel: (919) 871-0999 Fax: (737) 207-8261

Photos Taken By: Garrett Lewis

Site ID: Incident #5620

ATC Project No.: SLC0562001

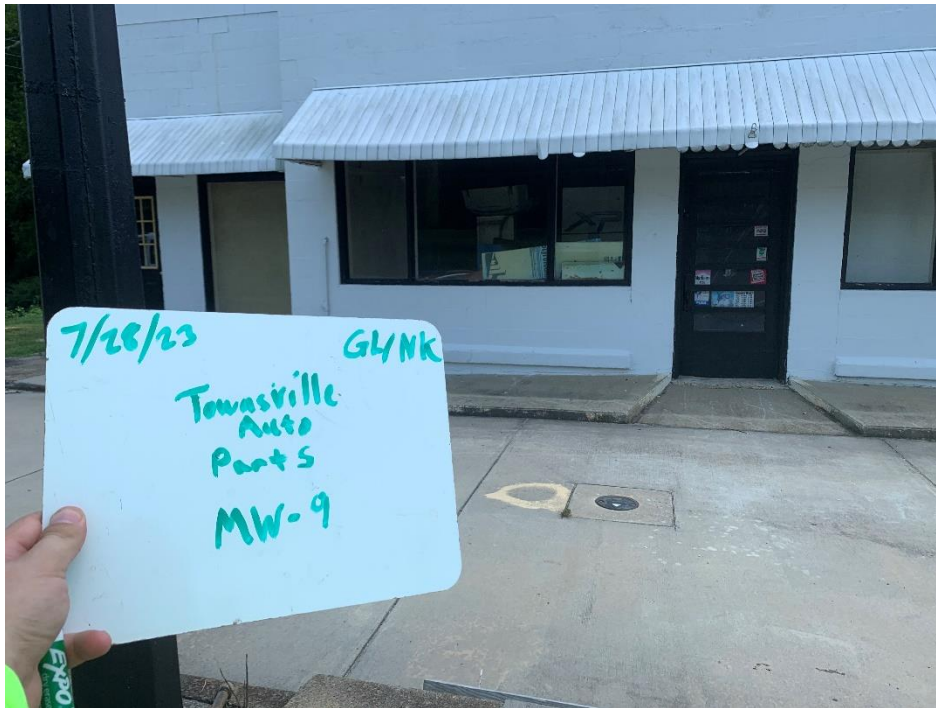


Photo 7: Monitoring well MW-9.



Photo 8: Water supply well 4030 (WSW-9) sampling spigot.

### Site Photographs

Townsville Auto Parts – Incident #5620

12590 NC Highway 39  
Townsville, Vance County, North Carolina



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina  
Tel: (919) 871-0999 Fax: (737) 207-8261

Photos Taken By: Garrett Lewis

Site ID: Incident #5620

ATC Project No.: SLC0562001

**APPENDIX B**  
**FIELD NOTES**

75

Townsville Auto Parts

7/28/23

Gunnery Lewis/Noah

Small Van

Start: 50942

End:

Weather: Clear  $\frac{95^\circ}{77^\circ}$ 

Equipment:

Pine PSI

~~WIM~~ #1

MD #3

Hose

730 Pack Vehicle

810 Report for Site

940 Arrive at Site

- Review HASP + JSA's

1700 ~~1805~~ Report Site

1805

Objective: Collect GW Samples from MW-1 through MW-9 as well as Natural Attenuation readings for each. Collect a Water Supply sample from WSW-9. Labs are EPA 6260B.

7/28/23

Townsville Auto Parts

76

| Well ID                       | DTP                     | DTW   | TD | Purge vol        | Sample Time     |
|-------------------------------|-------------------------|-------|----|------------------|-----------------|
| MW-1                          | -                       | 23.70 | 50 | 12.86            | 1520            |
| MW-2                          | -                       | 23.68 | 50 | 12.87            | 15:45           |
| MW-3                          | -                       | 23.18 | 60 | 14.00            | 1420            |
| MW-4                          | -                       |       | 61 |                  |                 |
| MW-5                          | -                       | 27.36 | 60 | 15.96            | 1400            |
| MW-6R                         | -                       | 27.12 | 35 | 3.85             | 1305            |
| MW-7                          | -                       | 21.55 | 50 | 13.91            | 1620            |
| MW-8                          | -                       |       | 30 | <del>13.91</del> |                 |
| MW-9                          | -                       | 26.31 | 31 | 2.29             | 1250            |
| WSW-9                         | -                       |       |    | 15 min.          | <del>1610</del> |
| Field Blank: Sampled at 16:45 |                         |       |    |                  | 1610            |
| MW-4                          | - Unable to locate MW-4 |       |    |                  |                 |

MW-8 - Brush was too dense. Unable to locate / Sample MW-8

77

Tomsville Area Falls

7/24/23

| MW ID | Temp   | SPC | Cond   | DO    | pH   | ORP   |
|-------|--------|-----|--------|-------|------|-------|
| MW-1  | 22.55  | 100 | 94     | 5.56  | 7.52 | 102.4 |
| MW-2  | 22.35  | 130 | 220    | 4.17  | 7.22 | 166.6 |
| MW-3  | 22.61  | 108 | 123    | 3.77  | 7.41 | 125.1 |
| MW-4  | Unable | 40  | Sample |       |      |       |
| MW-5  | 24.55  | 116 | 115    | 2.95  | 7.46 | 108.4 |
| MW-6R | 23.15  | 116 | 111    | 12.25 | 7.37 | 102.4 |
| MW-7  | 22.42  | 201 | 184    | 4.47  | 7.47 | 109.7 |
| MW-8  | Unable | 48  | Sample |       |      |       |
| MW-9  | 24.76  | 512 | 515    | 2.57  | 7.58 | 11.8  |

**APPENDIX C**  
**LABORATORY ANALYTICAL RESULTS**

The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

## Technical Report for

Atlas

Townsville Auto Parts, Hwy 39 N, Townsville, NC

SGS Job Number: LA92716

Sampling Date: 07/28/23



Report to:

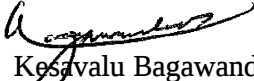
ATC Group Services LLC.  
2725 East Millbrook Road Suite 121  
Raleigh, NC 27604  
ashley.winkelman@oneatlas.com

ATTN: Ashley Winkelman

Total number of pages in report: 51



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

  
Kesavalu Bagawandoss  
General Manager

**Client Service contact: Rebecca Hebert 337-237-4775**

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.



August 11, 2023

Atlas  
2725 East Millbrook Road Suite 121  
Raleigh NC 27604

The final report for SGS Job LA92716 has been amended from the original. This report replaces in its entirety any previously submitted copy. LA92716-5 client ID has been revised to MW-6R per client request. The attached report incorporates these revisions.

Please contact me at 337-237-4775 if I may be of further assistance in this matter, or if you have any further questions regarding this data report.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rebecca Hebert", is written over a light grey rectangular background.

Rebecca Hebert

SGS North America Inc.-Scott

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Sample Summary

Atlas

Job No: LA92716

Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample Number | Collected Date | Time By | Received | Matrix Code Type | Client Sample ID |
|---------------|----------------|---------|----------|------------------|------------------|
|---------------|----------------|---------|----------|------------------|------------------|

This report contains results reported as ND = Not detected. The following applies:  
Organics ND = Not detected above the MDL

|           |          |       |               |    |                   |             |
|-----------|----------|-------|---------------|----|-------------------|-------------|
| LA92716-1 | 07/28/23 | 15:20 | GL/NK08/01/23 | AQ | Ground Water      | MW-1        |
| LA92716-2 | 07/28/23 | 15:15 | GL/NK08/01/23 | AQ | Ground Water      | MW-2        |
| LA92716-3 | 07/28/23 | 14:20 | GL/NK08/01/23 | AQ | Ground Water      | MW-3        |
| LA92716-4 | 07/28/23 | 14:00 | GL/NK08/01/23 | AQ | Ground Water      | MW-5        |
| LA92716-5 | 07/28/23 | 13:05 | GL/NK08/01/23 | AQ | Ground Water      | MW-6R       |
| LA92716-6 | 07/28/23 | 16:20 | GL/NK08/01/23 | AQ | Ground Water      | MW-7        |
| LA92716-7 | 07/28/23 | 12:50 | GL/NK08/01/23 | AQ | Ground Water      | MW-9        |
| LA92716-8 | 07/28/23 | 16:10 | GL/NK08/01/23 | AQ | Ground Water      | WSW-9       |
| LA92716-9 | 07/28/23 | 16:45 | GL/NK08/01/23 | AQ | Field Blank Water | FIELD BLANK |

## Summary of Hits

**Job Number:** LA92716  
**Account:** Atlas  
**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC  
**Collected:** 07/28/23

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

### LA92716-1 MW-1

|                        |        |      |      |      |          |
|------------------------|--------|------|------|------|----------|
| tert-Butylbenzene      | 0.70   | 0.50 | 0.16 | ug/l | SM 6200B |
| Ethylbenzene           | 2.0    | 0.50 | 0.20 | ug/l | SM 6200B |
| Isopropylbenzene       | 2.9    | 0.50 | 0.13 | ug/l | SM 6200B |
| p-Isopropyltoluene     | 1.4    | 0.50 | 0.13 | ug/l | SM 6200B |
| Naphthalene            | 46.9   | 0.50 | 0.10 | ug/l | SM 6200B |
| n-Propylbenzene        | 1.4    | 0.50 | 0.22 | ug/l | SM 6200B |
| 1,2,4-Trimethylbenzene | 26.4   | 0.50 | 0.15 | ug/l | SM 6200B |
| 1,3,5-Trimethylbenzene | 0.38 J | 0.50 | 0.16 | ug/l | SM 6200B |
| m,p-Xylene             | 4.9    | 1.0  | 0.34 | ug/l | SM 6200B |
| o-Xylene               | 9.0    | 0.50 | 0.15 | ug/l | SM 6200B |
| Xylene (total)         | 13.9   | 0.50 | 0.16 | ug/l | SM 6200B |

### LA92716-2 MW-2

|                 |        |      |       |      |          |
|-----------------|--------|------|-------|------|----------|
| Chloroform      | 3.2    | 0.50 | 0.094 | ug/l | SM 6200B |
| Ethyl Alcohol   | 10.2 J | 50   | 8.4   | ug/l | SM 6200B |
| Methyl Chloride | 0.15 J | 0.50 | 0.066 | ug/l | SM 6200B |
| o-Xylene        | 0.20 J | 0.50 | 0.15  | ug/l | SM 6200B |
| Xylene (total)  | 0.27 J | 0.50 | 0.16  | ug/l | SM 6200B |

### LA92716-3 MW-3

|                   |        |      |       |      |          |
|-------------------|--------|------|-------|------|----------|
| n-Butylbenzene    | 0.12 J | 0.50 | 0.092 | ug/l | SM 6200B |
| tert-Butylbenzene | 0.29 J | 0.50 | 0.16  | ug/l | SM 6200B |
| Isopropylbenzene  | 1.1    | 0.50 | 0.13  | ug/l | SM 6200B |
| Naphthalene       | 27.6   | 0.50 | 0.10  | ug/l | SM 6200B |

### LA92716-4 MW-5

|                         |      |      |       |      |          |
|-------------------------|------|------|-------|------|----------|
| Benzene                 | 26.9 | 0.50 | 0.27  | ug/l | SM 6200B |
| 1,2-Dichloroethane      | 2.3  | 0.20 | 0.12  | ug/l | SM 6200B |
| Di-Isopropyl Ether      | 0.98 | 0.50 | 0.073 | ug/l | SM 6200B |
| Ethylbenzene            | 4.3  | 0.50 | 0.20  | ug/l | SM 6200B |
| Isopropylbenzene        | 1.0  | 0.50 | 0.13  | ug/l | SM 6200B |
| p-Isopropyltoluene      | 0.56 | 0.50 | 0.13  | ug/l | SM 6200B |
| Methyl Tert Butyl Ether | 9.8  | 0.50 | 0.068 | ug/l | SM 6200B |
| Naphthalene             | 3.7  | 0.50 | 0.10  | ug/l | SM 6200B |
| n-Propylbenzene         | 2.6  | 0.50 | 0.22  | ug/l | SM 6200B |
| Toluene                 | 5.5  | 0.50 | 0.29  | ug/l | SM 6200B |
| 1,2,4-Trimethylbenzene  | 9.7  | 0.50 | 0.15  | ug/l | SM 6200B |
| 1,3,5-Trimethylbenzene  | 4.6  | 0.50 | 0.16  | ug/l | SM 6200B |
| m,p-Xylene              | 7.0  | 1.0  | 0.34  | ug/l | SM 6200B |
| o-Xylene                | 2.9  | 0.50 | 0.15  | ug/l | SM 6200B |

## Summary of Hits

**Job Number:** LA92716  
**Account:** Atlas  
**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC  
**Collected:** 07/28/23

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|--------------------------|------------------|-----------------|----|-----|-------|--------|
|--------------------------|------------------|-----------------|----|-----|-------|--------|

|                |  |     |      |      |      |          |
|----------------|--|-----|------|------|------|----------|
| Xylene (total) |  | 9.9 | 0.50 | 0.16 | ug/l | SM 6200B |
|----------------|--|-----|------|------|------|----------|

### LA92716-5 MW-6R

|                        |        |     |     |      |          |
|------------------------|--------|-----|-----|------|----------|
| Benzene                | 200    | 50  | 27  | ug/l | SM 6200B |
| sec-Butylbenzene       | 33.7 J | 50  | 14  | ug/l | SM 6200B |
| 1,2-Dibromoethane      | 37.6 J | 50  | 24  | ug/l | SM 6200B |
| Ethylbenzene           | 5610   | 50  | 20  | ug/l | SM 6200B |
| Isopropylbenzene       | 239    | 50  | 13  | ug/l | SM 6200B |
| p-Isopropyltoluene     | 17.9 J | 50  | 13  | ug/l | SM 6200B |
| Naphthalene            | 2020   | 50  | 10  | ug/l | SM 6200B |
| n-Propylbenzene        | 767    | 50  | 22  | ug/l | SM 6200B |
| Toluene                | 9770   | 250 | 150 | ug/l | SM 6200B |
| 1,2,4-Trimethylbenzene | 5620   | 50  | 15  | ug/l | SM 6200B |
| 1,3,5-Trimethylbenzene | 1430   | 50  | 16  | ug/l | SM 6200B |
| m,p-Xylene             | 11600  | 500 | 170 | ug/l | SM 6200B |
| o-Xylene               | 5920   | 250 | 74  | ug/l | SM 6200B |
| Xylene (total)         | 25900  | 250 | 81  | ug/l | SM 6200B |

### LA92716-6 MW-7

|                         |        |      |       |      |          |
|-------------------------|--------|------|-------|------|----------|
| Benzene                 | 0.45 J | 0.50 | 0.27  | ug/l | SM 6200B |
| Di-Isopropyl Ether      | 0.15 J | 0.50 | 0.073 | ug/l | SM 6200B |
| Isopropylbenzene        | 0.33 J | 0.50 | 0.13  | ug/l | SM 6200B |
| Methyl Tert Butyl Ether | 0.26 J | 0.50 | 0.068 | ug/l | SM 6200B |

### LA92716-7 MW-9

|                         |        |      |       |      |          |
|-------------------------|--------|------|-------|------|----------|
| Acetone                 | 2.6 J  | 10   | 1.2   | ug/l | SM 6200B |
| Di-Isopropyl Ether      | 2.3    | 0.50 | 0.073 | ug/l | SM 6200B |
| Methyl Tert Butyl Ether | 10.6   | 0.50 | 0.068 | ug/l | SM 6200B |
| Naphthalene             | 0.12 J | 0.50 | 0.10  | ug/l | SM 6200B |
| 1,2,4-Trimethylbenzene  | 0.19 J | 0.50 | 0.15  | ug/l | SM 6200B |
| Xylene (total)          | 0.41 J | 0.50 | 0.16  | ug/l | SM 6200B |

### LA92716-8 WSW-9

|                         |        |      |       |      |          |
|-------------------------|--------|------|-------|------|----------|
| 1,2-Dichloroethane      | 0.27   | 0.20 | 0.12  | ug/l | SM 6200B |
| Ethyl Alcohol           | 12.9 J | 50   | 8.4   | ug/l | SM 6200B |
| Methyl Tert Butyl Ether | 1.3    | 0.50 | 0.068 | ug/l | SM 6200B |

### LA92716-9 FIELD BLANK

|                      |        |      |      |      |          |
|----------------------|--------|------|------|------|----------|
| Toluene <sup>a</sup> | 0.33 J | 0.50 | 0.29 | ug/l | SM 6200B |
|----------------------|--------|------|------|------|----------|

Summary of Hits

**Job Number:** LA92716  
**Account:** Atlas  
**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC  
**Collected:** 07/28/23

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
| Analyte       |                  |                 |    |     |       |        |

(a) Confirmed by reanalysis.



Scott, LA

Section 3



## Sample Results

## Report of Analysis

## Report of Analysis

|                          |                                                 |                                |
|--------------------------|-------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> | MW-1                                            |                                |
| <b>Lab Sample ID:</b>    | LA92716-1                                       | <b>Date Sampled:</b> 07/28/23  |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Date Received:</b> 08/01/23 |
| <b>Method:</b>           | SM 6200B                                        | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                                |

|        | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148073.D | 1  | 08/04/23 15:48 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | 0.70   | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-1                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-1                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | 2.0    | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | 2.9    | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 1.4    | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | ND     | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | 46.9   | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | 1.4    | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 26.4   | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 0.38   | 0.50 | 0.16  | ug/l  | J |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | 4.9    | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | 9.0    | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | 13.9   | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%    |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-1                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-1                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 99%    |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-2                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

|        | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148074.D | 1  | 08/04/23 16:15 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | 3.2    | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-2                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | 10.2   | 50   | 8.4   | ug/l  | J |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | ND     | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | 0.15   | 0.50 | 0.066 | ug/l  | J |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | ND     | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | ND     | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | 0.20   | 0.50 | 0.15  | ug/l  | J |
| 1330-20-7  | Xylene (total)            | 0.27   | 0.50 | 0.16  | ug/l  | J |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 101%   |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-2                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 99%    |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-3                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

| Run #  | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148075.D | 1  | 08/04/23 16:44 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | 0.12   | 0.50 | 0.092 | ug/l  | J |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | 0.29   | 0.50 | 0.16  | ug/l  | J |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-3                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | 1.1    | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | ND     | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | 27.6   | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | ND     | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 104%   |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-3                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 99%    |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 99%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-5                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-4                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

| Run #  | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148076.D | 1  | 08/04/23 17:11 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | 26.9   | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | 2.3    | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-5                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-4                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | 0.98   | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | 4.3    | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | 1.0    | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 0.56   | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | 9.8    | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | 3.7    | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | 2.6    | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | 5.5    | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 9.7    | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 4.6    | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | 7.0    | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | 2.9    | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | 9.9    | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%    |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-5                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-4                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 97%    |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-6R                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-5                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

|        | File ID     | DF  | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|-----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148080.D | 100 | 08/04/23 19:03 | MB | n/a       | n/a        | V2K4171          |
| Run #2 | 2K0148135.D | 500 | 08/09/23 00:03 | MB | n/a       | n/a        | V2K4173          |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 | 25.0 ml      |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL | Units | Q |
|------------|-----------------------------------------|--------|------|-----|-------|---|
| 67-64-1    | Acetone                                 | ND     | 1000 | 120 | ug/l  |   |
| 71-43-2    | Benzene                                 | 200    | 50   | 27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 50   | 18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 50   | 12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 50   | 18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 50   | 10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 50   | 9.2 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | 33.7   | 50   | 14  | ug/l  | J |
| 98-06-6    | tert-Butylbenzene                       | ND     | 50   | 16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 20   | 9.2 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 50   | 16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 50   | 5.5 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 50   | 9.4 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 50   | 16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 50   | 20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 20   | 7.5 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 50   | 13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | 37.6   | 50   | 24  | ug/l  | J |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 50   | 12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 50   | 6.3 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 50   | 20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 50   | 22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 50   | 10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 20   | 12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 50   | 9.4 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 50   | 11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 50   | 15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 30   | 13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 50   | 21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 50   | 7.9 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 50   | 12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 20   | 10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-6R                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-5                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result             | RL   | MDL | Units | Q |
|------------|---------------------------|--------------------|------|-----|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND                 | 20   | 5.6 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND                 | 50   | 7.3 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND                 | 5000 | 840 | ug/l  |   |
| 100-41-4   | Ethylbenzene              | 5610               | 50   | 20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND                 | 100  | 42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND                 | 20   | 11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | 239                | 50   | 13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | 17.9               | 50   | 13  | ug/l  | J |
| 74-83-9    | Methyl Bromide            | ND                 | 50   | 23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND                 | 50   | 6.6 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND                 | 50   | 11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND                 | 50   | 8.0 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND                 | 2500 | 28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND                 | 50   | 24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | ND                 | 50   | 6.8 | ug/l  |   |
| 91-20-3    | Naphthalene               | 2020               | 50   | 10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | 767                | 50   | 22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND                 | 50   | 13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND                 | 50   | 18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND                 | 20   | 12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND                 | 50   | 22  | ug/l  |   |
| 108-88-3   | Toluene                   | 9770 <sup>b</sup>  | 250  | 150 | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND                 | 50   | 16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND                 | 50   | 17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND                 | 50   | 16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND                 | 30   | 17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND                 | 50   | 18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND                 | 50   | 7.3 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND                 | 50   | 2.3 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 5620               | 50   | 15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 1430               | 50   | 16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND                 | 50   | 6.9 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND                 | 10   | 7.5 | ug/l  |   |
|            | m,p-Xylene                | 11600 <sup>b</sup> | 500  | 170 | ug/l  |   |
| 95-47-6    | o-Xylene                  | 5920 <sup>b</sup>  | 250  | 74  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | 25900 <sup>b</sup> | 250  | 81  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 102%   | 92%    | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-6R                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-5                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 98%    | 97%    | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 94%    | 100%   | 70-130% |

- (a) Provisional certification.  
(b) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-7                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-6                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

| Run #  | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148077.D | 1  | 08/04/23 17:39 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

| Run #  | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | 0.45   | 0.50 | 0.27  | ug/l  | J |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-7                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-6                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | 0.15   | 0.50 | 0.073 | ug/l  | J |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | 0.33   | 0.50 | 0.13  | ug/l  | J |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | 0.26   | 0.50 | 0.068 | ug/l  | J |
| 91-20-3    | Naphthalene               | ND     | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | ND     | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 101%   |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-7                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-6                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 101%   |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 99%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-9                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-7                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

|        | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148078.D | 1  | 08/04/23 18:07 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | 2.6    | 10   | 1.2   | ug/l  | J |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-9                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-7                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | 2.3    | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | ND     | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | 10.6   | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | 0.12   | 0.50 | 0.10  | ug/l  | J |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 0.19   | 0.50 | 0.15  | ug/l  | J |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | 0.41   | 0.50 | 0.16  | ug/l  | J |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97%    |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-9                                            | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-7                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 100%   |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 94%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | WSW-9                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-8                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

|        | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 2K0148079.D | 1  | 08/04/23 18:35 | MB | n/a       | n/a        | V2K4171          |
| Run #2 |             |    |                |    |           |            |                  |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 |              |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>a</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | 0.27   | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | WSW-9                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-8                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | 12.9   | 50   | 8.4   | ug/l  | J |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | ND     | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | 1.3    | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | ND     | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | ND     | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 99%    |        | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | WSW-9                                           | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-8                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Ground Water                               | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 99%    |        | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97%    |        | 70-130% |

(a) Provisional certification.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | FIELD BLANK                                     | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-9                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Field Blank Water                          | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

|                     | File ID     | DF | Analyzed       | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|-------------|----|----------------|----|-----------|------------|------------------|
| Run #1              | 2K0148066.D | 1  | 08/04/23 12:34 | MB | n/a       | n/a        | V2K4171          |
| Run #2 <sup>a</sup> | 2K0148134.D | 1  | 08/08/23 23:32 | MB | n/a       | n/a        | V2K4173          |

|        | Purge Volume |
|--------|--------------|
| Run #1 | 25.0 ml      |
| Run #2 | 25.0 ml      |

## VOA Special List

| CAS No.    | Compound                                | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                                 | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                                 | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                            | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane                      | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane                    | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                               | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene                          | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene                        | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene                       | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride                    | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene                           | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                            | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                              | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene                         | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene                         | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane                    | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropan <sup>b</sup> | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane                       | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane                 | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene                       | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene                       | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene                       | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane                      | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane                      | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene                    | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene                | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene              | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane                     | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane                     | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane                     | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene                     | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene                 | ND     | 0.20 | 0.10  | ug/l  |   |

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | FIELD BLANK                                     | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-9                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Field Blank Water                          | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

## VOA Special List

| CAS No.    | Compound                  | Result | RL   | MDL   | Units | Q |
|------------|---------------------------|--------|------|-------|-------|---|
| 10061-02-6 | trans-1,3-Dichloropropene | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether        | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol             | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene              | ND     | 0.50 | 0.20  | ug/l  |   |
| 591-78-6   | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8    | Isopropylbenzene          | ND     | 0.50 | 0.13  | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9    | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3    | Methyl Chloride           | ND     | 0.50 | 0.066 | ug/l  |   |
| 74-95-3    | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2    | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3    | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether   | ND     | 0.50 | 0.068 | ug/l  |   |
| 91-20-3    | Naphthalene               | ND     | 0.50 | 0.10  | ug/l  |   |
| 103-65-1   | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5   | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4   | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3   | Toluene <sup>c</sup>      | 0.33   | 0.50 | 0.29  | ug/l  | J |
| 87-61-6    | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6    | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4   | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4    | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|            | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6    | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7  | Xylene (total)            | ND     | 0.50 | 0.16  | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Run# 1 | Run# 2 | Limits  |
|------------|-----------------------|--------|--------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92%    | 98%    | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

|                          |                                                 |                        |          |
|--------------------------|-------------------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | FIELD BLANK                                     | <b>Date Sampled:</b>   | 07/28/23 |
| <b>Lab Sample ID:</b>    | LA92716-9                                       | <b>Date Received:</b>  | 08/01/23 |
| <b>Matrix:</b>           | AQ - Field Blank Water                          | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SM 6200B                                        |                        |          |
| <b>Project:</b>          | Townsville Auto Parts, Hwy 39 N, Townsville, NC |                        |          |

VOA Special List

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 2037-26-5 | Toluene-D8           | 101%   | 99%    | 70-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97%    | 100%   | 70-130% |

- (a) Confirmation run.
- (b) Provisional certification.
- (c) Confirmed by reanalysis.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
RL = Reporting Limit      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



## CHAIN OF CUSTODY

SGS North America Inc. - Scott  
500 Ambassador Caffery Parkway, Scott, LA 70583  
TEL: 337.237.4775 FAX: 337.237.7838  
www.sgs.com/ehsusa

PAGE 1 OF 1

FED-EX Tracking #  
Bottle Order Control # LA92716  
SGS Quote #  
SGS Job #

| Client / Reporting Information                                                                                                                                                                                                                                                                                                                |  |  | Project Information                 |  |  | Requested Analysis (see TEST CODE sheet) |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  | Matrix Codes                                                                                                                                                                                                                                                                                   |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------|--|--|------------------------------------------|--|--|---------------------------|--|--|------------------------------|--|--|---------------------------|--|--|--------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------|--|--|---------------------------|--|--|--------------------------|--|--|--------------------------------|--|--|------------------------------|--|--|---------------------------|--|--|--------------------------|--|--|----------|--|--|---------------------------------------|--|--|-------------------------------------------------------------------|--|--|--------------|
| Company Name: APC                                                                                                                                                                                                                                                                                                                             |  |  | Project Name: Townsville Auto Parts |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  | DW - Drinking Water<br>GW - Ground Water<br>WW - Water<br>SW - Surface Water<br>SO - Soil<br>SL - Sludge<br>SED - Sediment<br>OI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Wipe<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Street Address: 2725 E. Millbrook Rd.                                                                                                                                                                                                                                                                                                         |  |  | Street: Townsville                  |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| City: Raleigh NC Zip: 27604                                                                                                                                                                                                                                                                                                                   |  |  | City: Townsville NC                 |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Project Contact: Chris Hanley                                                                                                                                                                                                                                                                                                                 |  |  | Project #                           |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Phone #                                                                                                                                                                                                                                                                                                                                       |  |  | Client Purchase Order #             |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Sampler(s) Name(s): Garrett L / Noah K                                                                                                                                                                                                                                                                                                        |  |  | Project Manager: Chris Hanley       |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Field ID / Point of Collection                                                                                                                                                                                                                                                                                                                |  |  | Comp/Grab                           |  |  | Date                                     |  |  | Time                      |  |  | Sampled By                   |  |  | Matrix                    |  |  | # of bottles             |  |  | HCl                                                                                                                                                                                                                                                                                            |  |  | NH <sub>4</sub> H            |  |  | Zn/NH <sub>4</sub> H      |  |  | HNO <sub>3</sub>         |  |  | H <sub>2</sub> SO <sub>4</sub> |  |  | NONE                         |  |  | DI Water                  |  |  | MEOH                     |  |  | TSP      |  |  | NaHSO <sub>4</sub>                    |  |  | ENCORE                                                            |  |  | LAB USE ONLY |
| 1 MW-1                                                                                                                                                                                                                                                                                                                                        |  |  | Grab                                |  |  | 7/29/23                                  |  |  | 1520                      |  |  | GL/NK                        |  |  | GW                        |  |  | 3                        |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  | X                                                                 |  |  |              |
| 2 MW-2                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1515                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  | X                                                                 |  |  |              |
| 3 MW-3                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1420                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  | X                                                                 |  |  |              |
| 4 MW-5                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1400                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| 5 MW-6                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1305                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| 6 MW-7                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1620                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| 7 MW-9                                                                                                                                                                                                                                                                                                                                        |  |  |                                     |  |  |                                          |  |  | 1250                      |  |  |                              |  |  |                           |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| 8 WSW-9                                                                                                                                                                                                                                                                                                                                       |  |  |                                     |  |  |                                          |  |  | 1610                      |  |  |                              |  |  | DW                        |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| 9 Field Blank                                                                                                                                                                                                                                                                                                                                 |  |  |                                     |  |  |                                          |  |  | 1645                      |  |  |                              |  |  | FB                        |  |  |                          |  |  | X                                                                                                                                                                                                                                                                                              |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | X                                     |  |  |                                                                   |  |  |              |
| Turnaround Time (Business days)                                                                                                                                                                                                                                                                                                               |  |  | Approved By (SGS PM): / Date:       |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  | Note: Sample inventory is verified upon receipt in the Laboratory |  |  |              |
| <input type="checkbox"/> Standard 10 Business Days<br><input type="checkbox"/> 5 Business Days RUSH<br><input type="checkbox"/> 4 Business Days RUSH<br><input type="checkbox"/> 3 Business Days RUSH<br><input type="checkbox"/> 2 Business Days RUSH<br><input type="checkbox"/> 1 Business Day EMERGENCY<br><input type="checkbox"/> Other |  |  |                                     |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  | PREM<br>Raleigh, NC<br>Service Center |  |  |                                                                   |  |  |              |
| Emergency & Rush TIA data available via Lablink. Approval needed for RUSH/Emergency TAT.                                                                                                                                                                                                                                                      |  |  |                                     |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  | NSM8(VW) |  |  |                                       |  |  |                                                                   |  |  |              |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                      |  |  |                                     |  |  |                                          |  |  |                           |  |  |                              |  |  |                           |  |  |                          |  |  |                                                                                                                                                                                                                                                                                                |  |  |                              |  |  |                           |  |  |                          |  |  |                                |  |  |                              |  |  |                           |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Relinquished by Sampler: [Signature]                                                                                                                                                                                                                                                                                                          |  |  | Date / Time: 7/24/23 1800           |  |  | Received By: [Signature]                 |  |  | Date / Time: 7/24/23 1800 |  |  | Relinquished By: [Signature] |  |  | Date / Time: 7/24/23 1800 |  |  | Received By: [Signature] |  |  | Date / Time: 7/24/23 1800                                                                                                                                                                                                                                                                      |  |  | Relinquished By: [Signature] |  |  | Date / Time: 7/24/23 1800 |  |  | Received By: [Signature] |  |  | Date / Time: 7/24/23 1800      |  |  | Relinquished By: [Signature] |  |  | Date / Time: 7/24/23 1800 |  |  | Received By: [Signature] |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Relinquished by Sampler: [Signature]                                                                                                                                                                                                                                                                                                          |  |  | Date / Time: 8/1/23 1000            |  |  | Received By: [Signature]                 |  |  | Date / Time: 8/1/23 1000  |  |  | Relinquished By: [Signature] |  |  | Date / Time: 8/1/23 1000  |  |  | Received By: [Signature] |  |  | Date / Time: 8/1/23 1000                                                                                                                                                                                                                                                                       |  |  | Relinquished By: [Signature] |  |  | Date / Time: 8/1/23 1000  |  |  | Received By: [Signature] |  |  | Date / Time: 8/1/23 1000       |  |  | Relinquished By: [Signature] |  |  | Date / Time: 8/1/23 1000  |  |  | Received By: [Signature] |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Relinquished by: [Signature]                                                                                                                                                                                                                                                                                                                  |  |  | Date / Time: [Signature]            |  |  | Received By: [Signature]                 |  |  | Date / Time: [Signature]  |  |  | Relinquished By: [Signature] |  |  | Date / Time: [Signature]  |  |  | Received By: [Signature] |  |  | Date / Time: [Signature]                                                                                                                                                                                                                                                                       |  |  | Relinquished By: [Signature] |  |  | Date / Time: [Signature]  |  |  | Received By: [Signature] |  |  | Date / Time: [Signature]       |  |  | Relinquished By: [Signature] |  |  | Date / Time: [Signature]  |  |  | Received By: [Signature] |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |
| Custody Seal #                                                                                                                                                                                                                                                                                                                                |  |  | Intact                              |  |  | Not intact                               |  |  | Absent                    |  |  | Preserved where applicable   |  |  | Therm ID:                 |  |  | On Ice                   |  |  | Cooler Temp:                                                                                                                                                                                                                                                                                   |  |  | Therm ID:                    |  |  | On Ice                    |  |  | Cooler Temp:             |  |  | Therm ID:                      |  |  | On Ice                       |  |  | Cooler Temp:              |  |  |                          |  |  |          |  |  |                                       |  |  |                                                                   |  |  |              |

Copy of EHSA-QAC-0026-00-FORM-Scott - Standard COC-FINAL

<http://www.sgs.com/en/terms-and-conditions>

LA92716: Chain of Custody

Page 1 of 3





LA92716: Chain of Custody  
Page 2 of 3

## SGS Sample Receipt Summary

Job Number: LA92716

Client: ATC

Project: TOWNSVILLE AUTO PARTS

Date / Time Received: 8/1/2023 10:00:00 AM

Delivery Method: FEDEX

Airbill #'s: 5707 9051 5931

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

### Cooler Security

Y or N

Y or N

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

### Cooler Temperature

Y or N

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: |                                     |                          |
| 3. Cooler media:             | Ice (direct contact)                |                          |
| 4. No. Coolers:              | 1                                   |                          |

### Quality Control Preservation

Y or N

N/A

- |                                 |                                     |                          |                                     |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

### Sample Integrity - Documentation

Y or N

- |                                        |                                     |                          |
|----------------------------------------|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

### Sample Integrity - Condition

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

### Sample Integrity - Instructions

Y or N N/A

- |                                           |                                     |                                     |                                     |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Test Strip Lot #s: pH 1-12: \_\_\_\_\_ pH 12+: \_\_\_\_\_ Other: (Specify) \_\_\_\_\_

Comments

SM089-03

Rev. Date 12/7/17

LA92716: Chain of Custody

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## MS Volatiles

5

### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 3

Job Number: LA92716

Account: ATCNCR Atlas

Project: Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample      | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-MB1 | 2K0148065.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

The QC reported here applies to the following samples:

Method: SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Compound                    | Result | RL   | MDL   | Units | Q |
|------------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1    | Acetone                     | ND     | 10   | 1.2   | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 0.50 | 0.27  | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 0.50 | 0.18  | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 0.50 | 0.12  | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 0.50 | 0.10  | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 0.50 | 0.092 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 0.50 | 0.14  | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 0.50 | 0.16  | ug/l  |   |
| 56-23-5    | Carbon Tetrachloride        | ND     | 0.20 | 0.092 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 0.50 | 0.16  | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 0.50 | 0.055 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 0.50 | 0.094 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 0.50 | 0.16  | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 0.50 | 0.20  | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 0.20 | 0.075 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 0.50 | 0.13  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 0.50 | 0.24  | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 0.50 | 0.12  | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 0.50 | 0.063 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 0.50 | 0.20  | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 0.50 | 0.10  | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 0.20 | 0.12  | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 0.50 | 0.094 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 0.50 | 0.11  | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 0.50 | 0.15  | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 0.30 | 0.13  | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 0.50 | 0.21  | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 0.50 | 0.079 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 0.50 | 0.12  | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 0.20 | 0.10  | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 0.20 | 0.056 | ug/l  |   |
| 108-20-3   | Di-Isopropyl Ether          | ND     | 0.50 | 0.073 | ug/l  |   |
| 64-17-5    | Ethyl Alcohol               | ND     | 50   | 8.4   | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 0.50 | 0.20  | ug/l  |   |

## Method Blank Summary

Page 2 of 3

**Job Number:** LA92716**Account:** ATCNCR Atlas**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample      | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-MB1 | 2K0148065.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

**The QC reported here applies to the following samples:****Method:** SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.   | Compound                  | Result | RL   | MDL   | Units | Q |
|-----------|---------------------------|--------|------|-------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 1.0  | 0.42  | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20 | 0.11  | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 0.50 | 0.13  | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 0.50 | 0.13  | ug/l  |   |
| 74-83-9   | Methyl Bromide            | ND     | 0.50 | 0.23  | ug/l  |   |
| 74-87-3   | Methyl Chloride           | 0.23   | 0.50 | 0.066 | ug/l  | J |
| 74-95-3   | Methylene Bromide         | ND     | 0.50 | 0.11  | ug/l  |   |
| 75-09-2   | Methylene Chloride        | ND     | 0.50 | 0.080 | ug/l  |   |
| 78-93-3   | Methyl Ethyl Ketone       | ND     | 25   | 0.28  | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 0.50 | 0.24  | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.50 | 0.068 | ug/l  |   |
| 91-20-3   | Naphthalene               | ND     | 0.50 | 0.10  | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 0.50 | 0.22  | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 0.50 | 0.13  | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 0.50 | 0.18  | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20 | 0.12  | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.50 | 0.22  | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 0.50 | 0.29  | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.50 | 0.17  | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.50 | 0.16  | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.30 | 0.17  | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 0.50 | 0.18  | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.50 | 0.073 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 0.50 | 0.023 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.50 | 0.15  | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.50 | 0.16  | ug/l  |   |
| 108-05-4  | Vinyl Acetate             | ND     | 0.50 | 0.069 | ug/l  |   |
| 75-01-4   | Vinyl Chloride            | ND     | 0.10 | 0.075 | ug/l  |   |
|           | m,p-Xylene                | ND     | 1.0  | 0.34  | ug/l  |   |
| 95-47-6   | o-Xylene                  | ND     | 0.50 | 0.15  | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 0.50 | 0.16  | ug/l  |   |

Method Blank Summary

Job Number: LA92716  
Account: ATCNCR Atlas  
Project: Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample      | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-MB1 | 2K0148065.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

The QC reported here applies to the following samples: Method: SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Surrogate Recoveries  | Limits       |
|------------|-----------------------|--------------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 94% 70-130%  |
| 2037-26-5  | Toluene-D8            | 100% 70-130% |
| 460-00-4   | 4-Bromofluorobenzene  | 96% 70-130%  |

Method Blank Summary

Job Number: LA92716  
Account: ATCNCR Atlas  
Project: Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample      | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4173-MB1 | 2K0148132.D | 1  | 08/08/23 | MB | n/a       | n/a        | V2K4173          |

The QC reported here applies to the following samples: Method: SM 6200B

LA92716-5

| CAS No.   | Compound       | Result | RL   | MDL  | Units | Q |
|-----------|----------------|--------|------|------|-------|---|
| 108-88-3  | Toluene        | ND     | 0.50 | 0.29 | ug/l  |   |
|           | m,p-Xylene     | ND     | 1.0  | 0.34 | ug/l  |   |
| 95-47-6   | o-Xylene       | ND     | 0.50 | 0.15 | ug/l  |   |
| 1330-20-7 | Xylene (total) | ND     | 0.50 | 0.16 | ug/l  |   |

| CAS No.    | Surrogate Recoveries  | Limits       |
|------------|-----------------------|--------------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96% 70-130%  |
| 2037-26-5  | Toluene-D8            | 100% 70-130% |
| 460-00-4   | 4-Bromofluorobenzene  | 98% 70-130%  |

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** LA92716

**Account:** ATCNCR Atlas

**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-BS1  | 2K0148062.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| V2K4171-BSD1 | 2K0148063.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

The QC reported here applies to the following samples:

Method: SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Compound                    | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | BSD<br>ug/l | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|-----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                     | 50            | 48.3        | 97       | 45.4        | 91       | 6   | 70-130/30         |
| 71-43-2    | Benzene                     | 20            | 20.2        | 101      | 19.5        | 98       | 4   | 70-130/30         |
| 108-86-1   | Bromobenzene                | 20            | 17.9        | 90       | 17.6        | 88       | 2   | 70-130/30         |
| 74-97-5    | Bromochloromethane          | 20            | 21.4        | 107      | 20.5        | 103      | 4   | 70-130/30         |
| 75-27-4    | Bromodichloromethane        | 20            | 20.5        | 103      | 19.6        | 98       | 4   | 70-130/30         |
| 75-25-2    | Bromoform                   | 20            | 20.7        | 104      | 20.2        | 101      | 2   | 70-130/30         |
| 104-51-8   | n-Butylbenzene              | 20            | 20.8        | 104      | 21.0        | 105      | 1   | 70-130/30         |
| 135-98-8   | sec-Butylbenzene            | 20            | 21.3        | 107      | 20.9        | 105      | 2   | 70-130/30         |
| 98-06-6    | tert-Butylbenzene           | 20            | 21.5        | 108      | 21.2        | 106      | 1   | 70-130/30         |
| 56-23-5    | Carbon Tetrachloride        | 20            | 20.8        | 104      | 19.9        | 100      | 4   | 70-130/30         |
| 108-90-7   | Chlorobenzene               | 20            | 20.4        | 102      | 20.3        | 102      | 0   | 70-130/30         |
| 75-00-3    | Chloroethane                | 20            | 20.3        | 102      | 19.9        | 100      | 2   | 60-140/30         |
| 67-66-3    | Chloroform                  | 20            | 20.0        | 100      | 20.0        | 100      | 0   | 70-130/30         |
| 95-49-8    | o-Chlorotoluene             | 20            | 21.3        | 107      | 21.2        | 106      | 0   | 70-130/30         |
| 106-43-4   | p-Chlorotoluene             | 20            | 21.0        | 105      | 20.8        | 104      | 1   | 70-130/30         |
| 124-48-1   | Dibromochloromethane        | 20            | 20.5        | 103      | 20.4        | 102      | 0   | 70-130/30         |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 20            | 21.1        | 106      | 20.7        | 104      | 2   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane           | 20            | 19.5        | 98       | 19.2        | 96       | 2   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane     | 20            | 21.1        | 106      | 19.6        | 98       | 7   | 60-140/30         |
| 541-73-1   | m-Dichlorobenzene           | 20            | 21.0        | 105      | 20.9        | 105      | 0   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene           | 20            | 21.0        | 105      | 20.4        | 102      | 3   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene           | 20            | 21.3        | 107      | 20.9        | 105      | 2   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane          | 20            | 20.3        | 102      | 19.6        | 98       | 4   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane          | 20            | 20.1        | 101      | 19.8        | 99       | 2   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene        | 20            | 20.1        | 101      | 19.5        | 98       | 3   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene    | 20            | 20.4        | 102      | 20.0        | 100      | 2   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene  | 20            | 20.3        | 102      | 19.8        | 99       | 2   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane         | 20            | 20.1        | 101      | 19.7        | 99       | 2   | 70-130/30         |
| 142-28-9   | 1,3-Dichloropropane         | 20            | 18.6        | 93       | 18.1        | 91       | 3   | 70-130/30         |
| 594-20-7   | 2,2-Dichloropropane         | 20            | 21.4        | 107      | 20.6        | 103      | 4   | 70-130/30         |
| 563-58-6   | 1,1-Dichloropropene         | 20            | 20.6        | 103      | 19.6        | 98       | 5   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene     | 20            | 22.1        | 111      | 21.6        | 108      | 2   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene   | 20            | 20.2        | 101      | 20.1        | 101      | 0   | 70-130/30         |
| 108-20-3   | Di-Isopropyl Ether          | 20            | 19.9        | 100      | 19.5        | 98       | 2   | 70-130/30         |
| 64-17-5    | Ethyl Alcohol               | 400           | 459         | 115      | 381         | 95       | 19  | 70-130/30         |
| 100-41-4   | Ethylbenzene                | 20            | 20.1        | 101      | 19.9        | 100      | 1   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** LA92716

**Account:** ATCNCR Atlas

**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-BS1  | 2K0148062.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| V2K4171-BSD1 | 2K0148063.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

**The QC reported here applies to the following samples:**

**Method:** SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.   | Compound                  | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | BSD<br>ug/l | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 591-78-6  | 2-Hexanone                | 50            | 48.1        | 96       | 46.1        | 92       | 4   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 20            | 21.1        | 106      | 21.1        | 106      | 0   | 70-130/30         |
| 98-82-8   | Isopropylbenzene          | 20            | 20.9        | 105      | 20.6        | 103      | 1   | 70-130/30         |
| 99-87-6   | p-Isopropyltoluene        | 20            | 21.3        | 107      | 20.9        | 105      | 2   | 70-130/30         |
| 74-83-9   | Methyl Bromide            | 20            | 20.6        | 103      | 19.8        | 99       | 4   | 60-140/30         |
| 74-87-3   | Methyl Chloride           | 20            | 21.1        | 106      | 20.1        | 101      | 5   | 60-140/30         |
| 74-95-3   | Methylene Bromide         | 20            | 19.8        | 99       | 19.3        | 97       | 3   | 70-130/30         |
| 75-09-2   | Methylene Chloride        | 20            | 20.3        | 102      | 19.8        | 99       | 2   | 70-130/30         |
| 78-93-3   | Methyl Ethyl Ketone       | 50            | 48.6        | 97       | 47.3        | 95       | 3   | 70-130/30         |
| 108-10-1  | 4-Methyl-2-pentanone      | 50            | 49.9        | 100      | 48.0        | 96       | 4   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 20            | 20.2        | 101      | 19.7        | 99       | 3   | 70-130/30         |
| 91-20-3   | Naphthalene               | 20            | 21.1        | 106      | 20.4        | 102      | 3   | 70-130/30         |
| 103-65-1  | n-Propylbenzene           | 20            | 21.6        | 108      | 20.9        | 105      | 3   | 70-130/30         |
| 100-42-5  | Styrene                   | 20            | 20.4        | 102      | 20.2        | 101      | 1   | 70-130/30         |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 20            | 19.7        | 99       | 19.4        | 97       | 2   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 20            | 19.5        | 98       | 18.8        | 94       | 4   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 20            | 18.3        | 92       | 18.6        | 93       | 2   | 70-130/30         |
| 108-88-3  | Toluene                   | 20            | 20.4        | 102      | 19.9        | 100      | 2   | 70-130/30         |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 20            | 18.8        | 94       | 18.3        | 92       | 3   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 20            | 20.0        | 100      | 19.6        | 98       | 2   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 20            | 18.8        | 94       | 18.2        | 91       | 3   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 20            | 20.3        | 102      | 20.0        | 100      | 1   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 20            | 19.7        | 99       | 19.2        | 96       | 3   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 20            | 19.3        | 97       | 18.8        | 94       | 3   | 60-140/30         |
| 96-18-4   | 1,2,3-Trichloropropane    | 20            | 21.1        | 106      | 20.9        | 105      | 1   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 20            | 21.3        | 107      | 21.0        | 105      | 1   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 20            | 21.3        | 107      | 20.8        | 104      | 2   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 20            | 20.5        | 103      | 20.0        | 100      | 2   | 70-130/30         |
| 75-01-4   | Vinyl Chloride            | 20            | 21.1        | 106      | 20.7        | 104      | 2   | 60-140/30         |
|           | m,p-Xylene                | 40            | 41.0        | 103      | 40.4        | 101      | 1   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 20            | 20.6        | 103      | 20.1        | 101      | 2   | 70-130/30         |
| 1330-20-7 | Xylene (total)            | 60            | 61.6        | 103      | 60.5        | 101      | 2   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA92716  
Account: ATCNCR Atlas  
Project: Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4171-BS1  | 2K0148062.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| V2K4171-BSD1 | 2K0148063.D | 1  | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

The QC reported here applies to the following samples: Method: SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Surrogate Recoveries  | BSP  | BSD  | Limits  |
|------------|-----------------------|------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98%  | 97%  | 70-130% |
| 2037-26-5  | Toluene-D8            | 103% | 103% | 70-130% |
| 460-00-4   | 4-Bromofluorobenzene  | 100% | 99%  | 70-130% |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA92716  
Account: ATCNCR Atlas  
Project: Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|----|----------|----|-----------|------------|------------------|
| V2K4173-BS1  | 2K0148129.D | 1  | 08/08/23 | MB | n/a       | n/a        | V2K4173          |
| V2K4173-BSD1 | 2K0148130.D | 1  | 08/08/23 | MB | n/a       | n/a        | V2K4173          |

The QC reported here applies to the following samples: Method: SM 6200B

LA92716-5

| CAS No.   | Compound       | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | BSD<br>ug/l | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|----------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 108-88-3  | Toluene        | 20            | 20.7        | 104      | 19.9        | 100      | 4   | 70-130/30         |
|           | m,p-Xylene     | 40            | 41.7        | 104      | 40.8        | 102      | 2   | 70-130/30         |
| 95-47-6   | o-Xylene       | 20            | 20.3        | 102      | 20.6        | 103      | 1   | 70-130/30         |
| 1330-20-7 | Xylene (total) | 60            | 62.0        | 103      | 61.4        | 102      | 1   | 70-130/30         |

| CAS No.    | Surrogate Recoveries  | BSP | BSD  | Limits  |
|------------|-----------------------|-----|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 76% | 95%  | 70-130% |
| 2037-26-5  | Toluene-D8            | 98% | 100% | 70-130% |
| 460-00-4   | 4-Bromofluorobenzene  | 91% | 99%  | 70-130% |

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

**Job Number:** LA92716  
**Account:** ATCNCR Atlas  
**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF  | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|-----|----------|----|-----------|------------|------------------|
| LA92603-1MS  | 2K0148081.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1MSD | 2K0148082.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1    | 2K0148071.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

The QC reported here applies to the following samples:

Method: SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Compound                    | LA92603-1<br>ug/l | Spike<br>Q<br>ug/l | MS<br>ug/l | MS<br>% | Spike<br>ug/l | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|-----------------------------|-------------------|--------------------|------------|---------|---------------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                     | ND                | 25000              | 11300      | 45* a   | 25000         | 12100       | 48* a    | 7   | 70-130/20         |
| 71-43-2    | Benzene                     | 8990              | 10000              | 16500      | 75      | 10000         | 16600       | 76       | 1   | 70-130/20         |
| 108-86-1   | Bromobenzene                | ND                | 10000              | 9800       | 98      | 10000         | 9600        | 96       | 2   | 70-130/20         |
| 74-97-5    | Bromochloromethane          | ND                | 10000              | 8070       | 81      | 10000         | 7860        | 79       | 3   | 70-130/20         |
| 75-27-4    | Bromodichloromethane        | ND                | 10000              | 10200      | 102     | 10000         | 10400       | 104      | 2   | 70-130/20         |
| 75-25-2    | Bromoform                   | ND                | 10000              | 10400      | 104     | 10000         | 10500       | 105      | 1   | 70-130/20         |
| 104-51-8   | n-Butylbenzene              | ND                | 10000              | 9390       | 94      | 10000         | 9460        | 95       | 1   | 70-130/20         |
| 135-98-8   | sec-Butylbenzene            | ND                | 10000              | 9260       | 93      | 10000         | 9190        | 92       | 1   | 70-130/20         |
| 98-06-6    | tert-Butylbenzene           | ND                | 10000              | 8980       | 90      | 10000         | 9040        | 90       | 1   | 70-130/20         |
| 56-23-5    | Carbon Tetrachloride        | ND                | 10000              | 9960       | 100     | 10000         | 10100       | 101      | 1   | 70-130/20         |
| 108-90-7   | Chlorobenzene               | ND                | 10000              | 9300       | 93      | 10000         | 9300        | 93       | 0   | 70-130/20         |
| 75-00-3    | Chloroethane                | ND                | 10000              | 7820       | 78      | 10000         | 7780        | 78       | 1   | 60-140/20         |
| 67-66-3    | Chloroform                  | ND                | 10000              | 7870       | 79      | 10000         | 7650        | 77       | 3   | 70-130/20         |
| 95-49-8    | o-Chlorotoluene             | ND                | 10000              | 9330       | 93      | 10000         | 9200        | 92       | 1   | 70-130/20         |
| 106-43-4   | p-Chlorotoluene             | ND                | 10000              | 9330       | 93      | 10000         | 9430        | 94       | 1   | 70-130/20         |
| 124-48-1   | Dibromochloromethane        | ND                | 10000              | 11200      | 112     | 10000         | 11300       | 113      | 1   | 70-130/20         |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND                | 10000              | 8900       | 89      | 10000         | 9110        | 91       | 2   | 70-130/20         |
| 106-93-4   | 1,2-Dibromoethane           | ND                | 10000              | 9680       | 97      | 10000         | 9710        | 97       | 0   | 70-130/20         |
| 75-71-8    | Dichlorodifluoromethane     | ND                | 10000              | 9290       | 93      | 10000         | 9300        | 93       | 0   | 60-140/20         |
| 541-73-1   | m-Dichlorobenzene           | ND                | 10000              | 9390       | 94      | 10000         | 9220        | 92       | 2   | 70-130/20         |
| 95-50-1    | o-Dichlorobenzene           | ND                | 10000              | 9390       | 94      | 10000         | 9270        | 93       | 1   | 70-130/20         |
| 106-46-7   | p-Dichlorobenzene           | ND                | 10000              | 9080       | 91      | 10000         | 9050        | 91       | 0   | 70-130/20         |
| 75-34-3    | 1,1-Dichloroethane          | ND                | 10000              | 8100       | 81      | 10000         | 7960        | 80       | 2   | 70-130/20         |
| 107-06-2   | 1,2-Dichloroethane          | ND                | 10000              | 8730       | 87      | 10000         | 8630        | 86       | 1   | 70-130/20         |
| 75-35-4    | 1,1-Dichloroethylene        | ND                | 10000              | 8330       | 83      | 10000         | 8510        | 85       | 2   | 70-130/20         |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND                | 10000              | 8260       | 83      | 10000         | 8210        | 82       | 1   | 70-130/20         |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND                | 10000              | 7980       | 80      | 10000         | 8010        | 80       | 0   | 70-130/20         |
| 78-87-5    | 1,2-Dichloropropane         | ND                | 10000              | 8440       | 84      | 10000         | 8570        | 86       | 2   | 70-130/20         |
| 142-28-9   | 1,3-Dichloropropane         | ND                | 10000              | 9000       | 90      | 10000         | 8760        | 88       | 3   | 70-130/20         |
| 594-20-7   | 2,2-Dichloropropane         | ND                | 10000              | 5730       | 57* a   | 10000         | 5590        | 56* a    | 2   | 70-130/20         |
| 563-58-6   | 1,1-Dichloropropene         | ND                | 10000              | 8430       | 84      | 10000         | 8500        | 85       | 1   | 70-130/20         |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND                | 10000              | 9140       | 91      | 10000         | 9250        | 93       | 1   | 70-130/20         |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND                | 10000              | 9560       | 96      | 10000         | 9500        | 95       | 1   | 70-130/20         |
| 108-20-3   | Di-Isopropyl Ether          | ND                | 10000              | 7340       | 73      | 10000         | 7330        | 73       | 0   | 70-130/20         |
| 64-17-5    | Ethyl Alcohol               | ND                | 200000             | 116000     | 58* a   | 200000        | 120000      | 60* a    | 3   | 70-130/20         |
| 100-41-4   | Ethylbenzene                | 2920              | 10000              | 11600      | 87      | 10000         | 11400       | 85       | 2   | 70-130/20         |

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

**Job Number:** LA92716

**Account:** ATCNCR Atlas

**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF  | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|-----|----------|----|-----------|------------|------------------|
| LA92603-1MS  | 2K0148081.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1MSD | 2K0148082.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1    | 2K0148071.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

**The QC reported here applies to the following samples:**

**Method:** SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.   | Compound                  | LA92603-1<br>ug/l | Spike<br>Q | ug/l  | MS<br>ug/l | MS<br>% | Spike<br>ug/l | MSD<br>ug/l | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|-------------------|------------|-------|------------|---------|---------------|-------------|----------|-----|-------------------|
| 591-78-6  | 2-Hexanone                | 427               | J          | 25000 | 19600      | 77      | 25000         | 19500       | 76       | 1   | 70-130/20         |
| 87-68-3   | Hexachlorobutadiene       | ND                |            | 10000 | 11300      | 113     | 10000         | 11400       | 114      | 1   | 70-130/20         |
| 98-82-8   | Isopropylbenzene          | 102               | J          | 10000 | 9390       | 93      | 10000         | 9270        | 92       | 1   | 70-130/20         |
| 99-87-6   | p-Isopropyltoluene        | ND                |            | 10000 | 9650       | 97      | 10000         | 9610        | 96       | 0   | 70-130/20         |
| 74-83-9   | Methyl Bromide            | ND                |            | 10000 | 6510       | 65      | 10000         | 7480        | 75       | 14  | 60-140/20         |
| 74-87-3   | Methyl Chloride           | 114               | J          | 10000 | 7150       | 70      | 10000         | 7080        | 70       | 1   | 60-140/20         |
| 74-95-3   | Methylene Bromide         | ND                |            | 10000 | 8920       | 89      | 10000         | 9130        | 91       | 2   | 70-130/20         |
| 75-09-2   | Methylene Chloride        | ND                |            | 10000 | 8740       | 87      | 10000         | 8850        | 89       | 1   | 70-130/20         |
| 78-93-3   | Methyl Ethyl Ketone       | ND                |            | 25000 | 17000      | 68* a   | 25000         | 16600       | 66* a    | 2   | 70-130/20         |
| 108-10-1  | 4-Methyl-2-pentanone      | ND                |            | 25000 | 22000      | 88      | 25000         | 22100       | 88       | 0   | 70-130/20         |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND                |            | 10000 | 8610       | 86      | 10000         | 8640        | 86       | 0   | 70-130/20         |
| 91-20-3   | Naphthalene               | 670               |            | 10000 | 11600      | 109     | 10000         | 11700       | 110      | 1   | 70-130/20         |
| 103-65-1  | n-Propylbenzene           | 278               |            | 10000 | 9450       | 92      | 10000         | 9280        | 90       | 2   | 70-130/20         |
| 100-42-5  | Styrene                   | ND                |            | 10000 | 9950       | 100     | 10000         | 9840        | 98       | 1   | 70-130/20         |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND                |            | 10000 | 10800      | 108     | 10000         | 10700       | 107      | 1   | 70-130/20         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND                |            | 10000 | 9120       | 91      | 10000         | 9070        | 91       | 1   | 70-130/20         |
| 127-18-4  | Tetrachloroethylene       | ND                |            | 10000 | 11200      | 112     | 10000         | 11500       | 115      | 3   | 70-130/20         |
| 108-88-3  | Toluene                   | 35500             |            | 10000 | 40300      | 48* b   | 10000         | 39900       | 44* b    | 1   | 70-130/20         |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND                |            | 10000 | 10900      | 109     | 10000         | 10600       | 106      | 3   | 70-130/20         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND                |            | 10000 | 11100      | 111     | 10000         | 11100       | 111      | 0   | 70-130/20         |
| 71-55-6   | 1,1,1-Trichloroethane     | ND                |            | 10000 | 9390       | 94      | 10000         | 9440        | 94       | 1   | 70-130/20         |
| 79-00-5   | 1,1,2-Trichloroethane     | ND                |            | 10000 | 8890       | 89      | 10000         | 8740        | 87       | 2   | 70-130/20         |
| 79-01-6   | Trichloroethylene         | ND                |            | 10000 | 9690       | 97      | 10000         | 9910        | 99       | 2   | 70-130/20         |
| 75-69-4   | Trichlorofluoromethane    | ND                |            | 10000 | 8580       | 86      | 10000         | 8600        | 86       | 0   | 60-140/20         |
| 96-18-4   | 1,2,3-Trichloropropane    | 45.1              | J          | 10000 | 8920       | 89      | 10000         | 8770        | 87       | 2   | 70-130/20         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 2090              |            | 10000 | 11200      | 91      | 10000         | 11100       | 90       | 1   | 70-130/20         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 491               |            | 10000 | 9890       | 94      | 10000         | 9720        | 92       | 2   | 70-130/20         |
| 108-05-4  | Vinyl Acetate             | ND                |            | 10000 | 8550       | 86      | 10000         | 8610        | 86       | 1   | 70-130/20         |
| 75-01-4   | Vinyl Chloride            | ND                |            | 10000 | 7400       | 74      | 10000         | 7410        | 74       | 0   | 60-140/20         |
|           | m,p-Xylene                | 9840              |            | 20000 | 27500      | 88      | 20000         | 27000       | 86       | 2   | 70-130/20         |
| 95-47-6   | o-Xylene                  | 4890              |            | 10000 | 13400      | 85      | 10000         | 13200       | 83       | 2   | 70-130/20         |
| 1330-20-7 | Xylene (total)            | 14700             |            | 30000 | 40900      | 87      | 30000         | 40200       | 85       | 2   | 70-130/20         |

\* = Outside of Control Limits.

## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

**Job Number:** LA92716

**Account:** ATCNCR Atlas

**Project:** Townsville Auto Parts, Hwy 39 N, Townsville, NC

| Sample       | File ID     | DF  | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|-------------|-----|----------|----|-----------|------------|------------------|
| LA92603-1MS  | 2K0148081.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1MSD | 2K0148082.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |
| LA92603-1    | 2K0148071.D | 500 | 08/04/23 | MB | n/a       | n/a        | V2K4171          |

**The QC reported here applies to the following samples:**

**Method:** SM 6200B

LA92716-1, LA92716-2, LA92716-3, LA92716-4, LA92716-5, LA92716-6, LA92716-7, LA92716-8, LA92716-9

| CAS No.    | Surrogate Recoveries  | MS   | MSD | LA92603-1 | Limits  |
|------------|-----------------------|------|-----|-----------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92%  | 93% | 101%      | 70-130% |
| 2037-26-5  | Toluene-D8            | 97%  | 99% | 99%       | 70-130% |
| 460-00-4   | 4-Bromofluorobenzene  | 100% | 98% | 98%       | 70-130% |

(a) Outside control limits due to matrix interference. Blank Spike meets acceptance criteria.

(b) Outside control limits due to high level in sample relative to spike amount.

\* = Outside of Control Limits.