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GROUNDWATER MONITORING REPORT
FORMER ALCATEL FACILITY
2912 WAKE FOREST ROAD
RALEIGH, NORTH CAROLINA 27609
NCD 003-185-238

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1.0 INTRODUCTION AND BACKGROUND

The former Alcatel USA Sourcing, Inc. facility is located at 2912 Wake Forest Road, Raleigh, Wake County, North Carolina (Figure 1). The facility consists of approximately 24 acres and was historically occupied by a 234,000 square foot (sf) building, storage and maintenance buildings, parking areas, and landscaped areas (Figure 2). The Kellogg Corporation, a division of ITT, began operating at the facility in 1958 producing telecommunications equipment. Alcatel-Lucent USA Inc. (ALU) bought the facility in 1987 and electroplating operations were utilized in the manufacturing process until 1990. ALU began voluntarily assessing soil and groundwater impacts on the property in 1989. The site was sold in July 2003 to ITB Holdings, LLC and the main 234,000 sf building was demolished in early 2012. By contractual agreement, ALU maintains ownership of the environmental liability for the volatile organic compounds (VOCs) present at the site. Amec Foster Wheeler Environment & Infrastructure, Inc, (Amec Foster Wheeler) began performing groundwater monitoring and remediation activities at the site in 2009.

Groundwater at the site occurs in three lithologic units: unconsolidated saprolite, partially weathered rock (PWR), and fractured bedrock. A 2009 assessment of the PWR by Amec Foster Wheeler indicated that the unconsolidated saprolite and PWR function as a single hydrologic unit and are addressed together in this report as the unconsolidated aquifer. VOCs in groundwater are currently being addressed through monitored natural attenuation (MNA), following source area treatment performed in 2012 as described in the 2010 *Corrective Measures Study* (CMS) by Amec Foster Wheeler.

This groundwater monitoring report documents the activities and results of the April 2015 semi-annual groundwater monitoring event, and provides conclusions and recommendations based on these results. Additionally, optimization of the monitoring program was evaluated using the Monitoring and Remediation Optimization Software (MAROS) and Visual Sample Plan (VSP) statistical software packages. The results are discussed in Section 6.

2.0 REMEDIAL ACTIVITIES

Several groundwater remedial methods have been employed at the site beginning with the installation of a groundwater pump and treat system in 1997. Per the 1996 *Interim Corrective Measures* (ICM) *Plan,* the treatment system was installed to reduce the size of the plume and inhibit the downgradient migration of impacted groundwater by creating a hydraulic barrier. Groundwater was extracted, treated, and re-injected on-site. ALU discontinued the use of the injection wells in July 2002 and began discharging the treated groundwater to an adjacent stream under a National Pollutant Discharge Elimination System (NPDES) permit. Recovery and injection well locations are illustrated in Figure 2.

Additional remedial strategies to assist the pump and treat system were evaluated in a January 2002 CMS and in 2003, a revised CMS recommended MNA as the corrective measure. In October 2004, an MNA pilot test was performed which included shutting off the pump and treat system, and monitoring the aquifer as conditions equilibrated after seven years of groundwater extraction. Following the pilot test, the operation of recovery wells RW-1 through RW-3 and the groundwater treatment system resumed. Recovery wells RW-1 and RW-2 were subsequently deactivated in May 2005 and June 2008, respectively, following mechanical failures.

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In May 2007, an *in situ* chemical oxidation (ISCO) event was performed by injecting persulfate into groundwater in the source area near MW-2d and the MW-13 well nest.

In September 2009, 345 tons of impacted soil were removed from the apparent source area, as defined by several phases of soil assessment. The purpose of the excavation was to remove impacted soil which had the potential to leach VOCs and further degrade the underlying groundwater.

In October 2010, Amec Foster Wheeler submitted a revised CMS, which identified tetrachloroethylene (PCE), 1,1-dichloroethylene (1,1-DCE), and 1,4-dioxane as the VOCs to be targeted by corrective measures. The CMS presented an analysis of treatment alternatives for VOCs in the shallow aquifer and called for ISCO source area treatment by soil blending, followed by MNA. With the approval of the North Carolina Department of Environment and Natural Resources (NCDENR), the groundwater pump and treat system was shut down in January 2011, and the source area treatment was implemented in April 2012. Persulfate catalyzed by sodium hydroxide was applied to the treatment area from approximately 13 feet below land surface (bls) to a depth of approximately 22 feet bls, and over an area of approximately 8,000 square feet (sf). Groundwater monitoring is performed on a semi-annual basis in accordance with the *Groundwater Sampling and Analysis Plan* (SAP) prepared by Amec Foster Wheeler in March 2013.

In late 2014, the treatment system was decommissioned as described in the in December 2014 *Decommissioning Report* by Amec Foster Wheeler.

3.0 SAMPLING AND REPORTING REQUIREMENTS

Groundwater monitoring activities are performed in accordance with the SAP. The SAP specifies the collection of depth-to-groundwater measurements from 25 wells and the collection of groundwater samples from 16 monitoring wells. The samples are analyzed for VOCs according to Standard Method 6200B and for 1,4-dioxane according to USEPA Method 8260B with selective ion monitoring (SIM). As written, the SAP proposed that monitoring occur semi-annually during 2013 and annually thereafter. In conditionally-approving the SAP, NCDENR concluded that although the concept of monitoring on an annual basis was sound, additional data was required to support changing the monitoring frequency. Five semi-annual monitoring events have been performed since the conditional approval of the SAP and sufficient data are now available to evaluate trends in concentrations and optimize the monitoring program. Concentration trends and monitoring optimization are discussed in Sections 5 and 6, respectively.

4.0 POTENTIOMETRIC GROUNDWATER SURFACES

Amec Foster Wheeler collected depth-to-groundwater measurements from 25 monitoring wells on April 7, 2015. Each well cap was opened and the well was allowed to reach equilibrium with atmospheric pressure before depth-to-groundwater measurements were collected using an electronic water level indicator. A depth-to-groundwater measurement was not collected from monitoring well MW-17i because the well was covered by demolition rubble and was inaccessible.

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In addition to the wells specified for gauging in the SAP, the depth-to-groundwater in recently repaired MW-3S was measured and the top of casing elevation of the well was resurveyed by Amec Foster Wheeler staff. Table 1 summarizes construction details for the site monitoring wells and water level elevations from the April 7, 2015 gauging event. Figures 3a and 3b illustrate the potentiometric surfaces in the unconsolidated and bedrock aquifers, respectively.

Groundwater elevations within wells screened in the unconsolidated aquifer during the April 2015 gauging event increased relative to those measured in October 2014. Increases in elevation ranged from 0.15 feet in MW-12 to 1.25 feet in MW-23s, with an average increase of 0.66 feet. With the exception of MW-2dr, groundwater elevations within the bedrock wells also increased relative to those measured in October 2014. Increases in groundwater elevations in wells screened in the bedrock aquifer ranged from 0.38 feet in MW-3d to 1.64 feet in MW-3dk, with an average increase of 0.59 feet. The groundwater elevation within MW-2dr decreased by 1.10 feet. The general horizontal groundwater flow direction in both the unconsolidated and the bedrock aquifer was towards the southwest, which is consistent with historical observations. The horizontal groundwater gradient at the water table was approximately 0.02 feet per feet (ft/ft) across the site.

Vertical groundwater gradients during the April 2015 gauging event were calculated at co-located shallow and deep groundwater monitoring well pairs. A downward gradient of -0.019 ft/ft was calculated at both the MW-4s/MW-4d, and MW-24s/MW-24d well pairs; and a downward gradient of -0.051 was calculated at the MW-9sk/MW-9dk well pair. Upward gradients of 0.030 ft/ft and 0.054 ft/ft were calculated at the MW-3s/MW-3d and MW-12s/MW-12dk well pairs, respectively.

5.0 GROUNDWATER SAMPLING

Amec Foster Wheeler collected groundwater samples from 18 wells (MW-2dr, MW-2s, MW-3d, MW-3s, MW-4s, MW-4d, MW-5sk, MW-9dk, MW-9sk, MW-12s, MW-12dk, MW-18i, MW-19i, MW-21i, MW-22s, MW-23s, MW-24s and MW-24d) on April 7 and 8, 2015, in accordance with the SAP. Monitoring well MW-24d and recently accessible well MW-3s are not specified for monitoring in the SAP, but were sampled to better define the western and northern extents of the plume. Monitoring wells locations are illustrated in Figure 2.

5.1 Groundwater Sampling Methods

Groundwater was withdrawn from the monitoring wells using low-flow methodology, with the pump intake located near the midpoint of the well screen. The depth to the midpoint of the well screen dictated the type of pump employed. Deeper wells were sampled using a submersible pump, while shallow wells were sampled using a peristaltic pump. During sampling activities, the dissolved oxygen (DO), oxygen reduction potential (ORP), conductivity, pH, and temperature of the groundwater were measured and allowed to stabilize prior to sampling.

The groundwater samples were transferred directly from the tubing into pre-chilled laboratory-supplied containers and transported under standard chain-of-custody protocol to Prism Laboratories, Inc. of Charlotte, North Carolina. Purge water was contained in a 55-gallon drum and transported for proper disposal on April 9, 2015.

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5.2 Analytical Results

During the April 2015 monitoring event, each groundwater sample was analyzed for VOCs using Standard Method 6200B and for 1,4-dioxane using USEPA Method 8260B SIM. The laboratory analytical report is included in Appendix A. Current and historical VOC concentrations measured in groundwater samples from the site are discussed in the following sections. The discussion of results includes Mann-Kendall statistical trend analysis of VOC concentrations over time for selected wells, along the approximate axes of the groundwater plume. Concentration trends were analyzed at MW-5sk, MW-18i, MW-22s, MW-23s, and MW-24s in the unconsolidated aquifer and at MW-4d, MW-9dk, and MW-24d in the bedrock aquifer. The analysis was performed using the GSI Mann-Kendall Toolkit published by GSI Environmental, Inc. If a trend is discernable, the toolkit categorizes trends as probably decreasing, decreasing, probably increasing, increasing or stable. The analysis was applied to concentration data measured subsequent to the source area remediation performed in April 2012. Documentation of the trend analysis, which includes graphs of VOC concentrations over time, is included in Appendix B.

5.2.1 General

Previous assessment results indicate that releases of 1,1,1-trichloroethylene (1,1,1-TCA), which contained the stabilizer 1,4-dioxane, and PCE have occurred at the site. Historically, five other VOCs have been identified in groundwater at concentrations exceeding their North Carolina 2L Groundwater Quality Standard (2L Standard) or Interim Maximum Allowable Concentration (IMAC), including 1,1,2-trichloroethane (1,1,2-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-DCE, 1,2-dichloroethane (1,2-DCA), and trichloroethylene (TCE). Since 2011, benzene, bromomethane, chloromethane, and as of April 2015, methylene chloride, have also been detected at concentrations exceeding their 2L Standard. Concentrations of 1,1,1,TCA and 1,1-DCE, which were once significant constituents of the VOC plume, have not exceeded their 2L Standards in groundwater samples from site wells since June 2014 and October 2011, respectively. Mann-Kendall trend analysis of 1,1,1-TCA indicates concentrations are decreasing, stable or exhibit no trend with the exception of MW-9dk. 1,1,1-TCE concentrations are increasing at MW-9dk at the toe of the plume in the bedrock aquifer, but remain more than an order of magnitude below the 2L Groundwater Standard.

PCE and 1,4-dioxane are currently the most widely distributed VOCs in site groundwater and are present at higher concentrations than other VOCs. Other VOCs in site groundwater with concentrations that consistently exceed their 2L Standard or IMAC are 1,1,2-TCA, 1,1-DCA, 1,2-DCA, chloromethane, TCE, and vinyl chloride. The distribution of VOCs in groundwater during the April 2015 monitoring event is presented in Figures 4a through 6b, which illustrate concentrations of total VOCs, PCE, and 1,4-dioxane in the unconsolidated and consolidated aquifers. Historical analytical results since 2008 are summarized in Table 2, and analytical results from the April 2015 sampling event are summarized in Table 3.

Of the VOCs with concentrations that first exceeded their 2L Standards after 2011, benzene and bromomethane concentrations did not exceed their 2L Standards in April 2015, while the methylene chloride concentration in the sample from MW-24s increased relative to the concentration measured in October 2014 to exceed the 2L Standard. Chloromethane

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concentrations in samples from MW-24s and MW-24d exceeded the 2L Standard in April 2015, but the concentrations in samples from MW-24s have been steadily decreasing since the well was first sampled in October 2012, and concentrations in samples from MW-24d have been decreasing since June 2014. Chloromethane was generally not detected in groundwater samples collected from the site until after the source area soil mixing event was performed, which, along with the knowledge that chloromethane is commonly generated during chlorination of drinking water, suggests the recent presence of chloromethane is the result of the large volume of municipal water introduced to the aquifer during the soil mixing.

5.2.2 Total VOCs

In the unconsolidated aquifer, total VOC concentrations in groundwater samples generally decreased or remained stable relative to those measured in October 2014 (Figures 4a). As exceptions, total VOC concentrations increased in the samples from MW-21i and MW-23s. Mann-Kendall trend analysis was performed on total VOC concentration data from five wells screened in the unconsolidated aquifer to evaluate the stability of the plume. According to the analysis, concentrations at MW-18i, MW-22s, and MW-24s exhibited probably decreasing, stable, and decreasing trends, respectively. No trend could be identified at MW-23s, which though not equivalent to stable, indicates that an increasing trend is not evident. The analysis indicated that VOC concentrations in MW-5sk at the toe of the plume are probably increasing, although the concentration in the well remains low relative to other areas of the plume. The probably increasing trend identified at MW-5sk is a change from October 2014, when no trend could be identified.

In the bedrock aquifer, total VOC concentrations decreased in samples MW-3d and MW-4d, and increased to varying degrees in samples from MW-4d, MW-9dk, and MW-12dk (Figure 4b). Mann-Kendall trend analysis was performed on analytical data from MW-4d, MW-9dk, and MW-24d. The analysis indicates that there are probably increasing and increasing trends at MW-4d and MW-9dk, respectively, and no trend at MW-24d. The probably increasing trend identified at MW-4d is a change from October 2014, when no trend could be identified.

5.2.3 PCE

In the unconsolidated aquifer, PCE concentrations generally decreased or remained stable relative to concentrations measured in October 2014, though concentrations increased in MW-21i and MW-22i downgradient of the source treatment area (Figure 5a). PCE concentrations exceeded the 2L Standard in each groundwater sample with the exceptions of MW-3s, MW-5sk, and MW-9sk. Of the five wells selected for Mann-Kendall trend analysis, stable trends were identified at MW-5sk, MW-18i, and MW-23s; no trend could be identified at MW-24s; and concentrations at MW-22s were determined to be probably increasing. The probably increasing trend at MW-22s is a change from October 2014, when no trend could be identified.

In the bedrock aquifer, PCE concentrations in most groundwater samples increased marginally, but were generally consistent with those measured in October 2014 (Figure 5b). PCE concentrations exceeded the 2L Standard in each sample with the exceptions of MW-2d and MW-12dk along the western margin of the plume. Of the three wells selected from Mann-Kendall trend analysis, a probably decreasing trend was identified at MW-24d and no trend could be identified

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at MW-4d. An increasing trend was identified at MW-9dk at the toe of the plume, which is a change from the probably increasing trend identified at the well in October 2014.

Compounds that are often found in groundwater as the result of the degradation of PCE are present within the groundwater plume including TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride. Concentrations of cis-1,2,-DCE measured in groundwater samples from the unconsolidated aquifer in April 2014 did not exceed the 2L Standard. TCE concentrations exceeded the 2L Standard in the samples from unconsolidated wells MW-5sk and MW-19i, and bedrock well MW-9dk. Vinyl chloride concentrations exceeded the 2L Standard in samples from unconsolidated wells MW-5sk and MW-23s, but were not detected in bedrock monitoring wells. The presence of these compounds suggests the possibility that reductive dechlorination of PCE is occurring in some portions of the plume; however, the mechanisms responsible for the degradation of PCE have not been fully evaluated.

5.2.4 1,4-Dioxane

In the unconsolidated aquifer, 1,4-dioxane concentrations in groundwater samples generally increased in the source treatment area and decreased or remained stable in other portions of the plume relative to the those measured in October 2014 (Figure 6s). Concentrations of 1,4-dioxane exceeded the 2L Standard in each groundwater sample, with the exceptions of the samples from MW-5sk, MW-9sk, and MW-2s. No trend was evident at four of the five wells selected for Mann-Kendall analysis. An increasing trend was identified at the fifth well, MW-18i.

In the bedrock aquifer, 1,4-dioxane concentrations in groundwater samples decreased relative to those measured in October 2014, with the exception of the concentration in the sample from MW-24d in the source treatment area, which increased. Concentrations exceeded the 2L Standard in each of the three samples in which 1,4-dioxane was detected. Mann-Kendall trend analysis indicates that concentrations are stable at MW-4d and MW-24d. No trend was evident at MW-9dk.

6.0 GROUNDWATER MONITORING OPTIMIZATION ANALYSIS

As noted in Section 3, NCDENR agreed with the concept of monitoring site groundwater on an annual basis when the SAP was published in 2013, but stated that insufficient data was available at that time to support reducing the sampling frequency from semi-annual. With five semi-annual monitoring events conducted subsequent to the source area soil mixing event and implementation of MNA, sufficient data now is available to assess the optimization of the monitoring program. Amec Foster Wheeler performed the assessment using MAROS, by GSI Environmental, Inc. The sampling program was evaluated for spatial redundancy of monitored wells and also for temporal sample redundancy (i.e. sample frequency). The assessment was performed with respect to PCE and 1,4-dioxane concentrations measured since October 2012. In addition to the analytical data, basic site information such as estimated groundwater seepage velocity were input into MAROS. For purposes of the MAROS analysis, the property line downgradient of the tail of the plume was treated as the nearest receptor. A summary of the results is presented in Table 4 and documentation of the analysis is included Appendix C.

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6.1 Spatial Redundancy Evaluation

To evaluate potential spatial redundancy of monitored wells, MAROS tests removal of wells from historical data sets, and evaluates the impact this has on plume delineation. This is accomplished by comparing measured concentrations at monitoring locations to those estimated based on surrounding data. If the differences are less than MAROS-recommended threshold values, as measured by metrics termed the slope factor, area ratio, and concentration ratio, a well is considered redundant and is eligible for removal from the monitoring program. MAROS then evaluates the impact of individual well removal on the calculated average plume concentration and area. Wells eligible for removal are removed in an iterative manner until MAROS threshold values are reached for the loss of information about plume concentration and area.

For the unconsolidated aquifer, the spatial well redundancy analysis produces results that differ depending on the constituent. This reflects the varying distributions of PCE and 1,4-dioxane. With regard to PCE concentrations, monitoring wells MW-12s, MW-18i, MW-19i, and MW-22s, were determined to be potentially redundant. With regard to 1,4-dioxane concentrations, monitoring wells MW-18i and MW-19i were determined to be potentially redundant. Located in the central area of the plume, MW-18i and MW-19i were determined to be potentially redundant with respect to both PCE and 1,4-dioxane. While data from MW-18 provides a useful monitoring point downgradient of the source area, data from MW-19i is less important as a lateral delineation well, particularly since the repair of MW-3s to the west. For the sparser well network of the bedrock aquifer, no potentially redundant wells were identified.

6.2 Temporal Redundancy Optimization

MAROS performs temporal redundancy analysis on an individual well and network-level (all well) basis. The individual well component uses the modified Cost Effective Sampling (CES) methodology to determine the lowest-frequency sampling schedule supported by the observed trends and rate of change in the data. Wells with clearly defined trends and low rates of change can be sampled less frequently, with MAROS-provided threshold values for frequency recommendations (e.g. biennial [every other year], annual, semi-annual or quarterly). The network-level analysis evaluates the predictability of trends in the total plume mass. MAROS recommends that networks with low variability in total plume mass with a consistent trend require less frequent monitoring.

For individual wells, MAROS recommends differing sampling frequencies depending on location and constituent. While quarterly and semi-annual frequencies are recommended at some wells for some constituents, half of the 18 monitored wells are recommended for biennial sampling with regard to both PCE and 1,4-dioxane. Six wells (MW-18i, MW-21i, MW-22s, MW-23s, MW-24s, and MW-2s) are recommended for biennial sampling with regard to either PCE or 1,4-dioxane. Of the remaining three wells recommended for sampling at a frequency greater than annual for both PCE and 1,4-dioxane (MW-19i, MW-24s, and MW-9dk), MW-19i was determined to be potentially redundant during the spatial analysis.

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While the MAROS individual well analysis does not provide a consistent sampling frequency recommendation, the network-level analysis indicates that sampling groundwater on an annual basis is sufficient to monitor trends in 1,4-dioxane mass in the plume as a whole. With regard to PCE, MAROS recommends that wells in the unconsolidated aquifer be monitored with a biennial frequency and that wells in the bedrock aquifer be sampled every five years.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on monitoring data collected over the five semi-annual events since the source area remediation mixing event and the implementation of MNA, the unconsolidated and bedrock aquifer plumes are generally stable and MNA is proceeding.

April 2015 groundwater elevations generally increased relative to those measured in October 2014. The direction of the horizontal groundwater gradient was to the southwest. Vertical groundwater gradients were downward in the eastern portion of the site and upward in the western portion.

VOCs detected in groundwater samples collected during the April 2015 groundwater monitoring event at concentrations exceeding their respective 2L Standards or IMAC included 1,1,2-TCA, 1,1-DCA, 1,2-DCA, chloromethane, methylene chloride, PCE, TCE, vinyl chloride and 1,4-dioxane. Each of these compounds exceeded their respective standard in the unconsolidated aquifer, while 1,1-DCA, chloromethane, PCE, and 1,4-dioxane exceeded their respective standard in the bedrock aquifer. PCE and 1,4-dioxane are currently the most widely distributed VOCs in site groundwater and are present at higher concentrations than other VOCs. Concentrations of 1,1,1,TCA and 1,1-DCE, have not exceeded their 2L Standards in groundwater samples from site wells since June 2014 and October 2011, respectively.

Mann-Kendall trend analysis was performed on total VOCs, PCE, 1,1,1-TCA, and 1,4-dioxane concentrations in samples collected from wells along the approximate axes of the plumes since the source area remediation soil mixing event and implementation of MNA. According to the analysis, concentration trends are predominantly decreasing, probably decreasing, stable, or trends are not evident. In the unconsolidated aquifer, total VOCs were determined to be probably increasing at MW-5sk, PCE was determined to be probably increasing in MW-22s, and 1,4-dioxane was determined to be increasing in MW-18i. In the bedrock aquifer, total VOCs, PCE, and 1,1,1-TCA were determined to be increasing in MW-9dk. For reference, the PCE concentration in the sample collected from MW-9dk in April 2015 exceeded the 2L Standard by less than two orders of magnitude while the 1,1,1-TCA concentration was more than an order of magnitude less than the 2L Standard. Also in the bedrock aquifer, the total VOC concentration at MW-4d was determined to be probably increasing.

MAROS was used to perform a monitoring optimization analysis that included evaluating the sampling program for spatial and temporal redundancy. Two wells (MW-18i and MW-19i) were identified as potentially spatially redundant. While MW-18i provides data downgradient of the source area, data from MW-19i is no longer required with the recent repair and inclusion of MW-3s in the monitoring program; therefore, MW-19i is recommended to be removed from the program.

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Although the temporal redundancy analysis did not result in a consistent frequency recommendation on a per well basis, MAROS recommended that half of the 18 wells be sampled biennially, and that six of the remaining nine wells be sampled biennially with respect to either PCE or 1,4-dioxane. MAROS recommended just three wells for a sampling frequency greater than annual with respect to both PCE and 1,4-dioxane (MW-19i, MW-24s, and MW-9dk), and of those wells, MW-19i is recommended for removal based on spatial redundancy. On a network-level, MAROS recommended that an annual sampling frequency is sufficient to monitor trends in mass in the plume as a whole. Given the general stability of the plume identified by the Mann-Kendall analysis and the predominant MAROS recommendation of an annual sampling frequency or greater, the sampling frequency is recommended to be reduced to annual for all wells.

Additionally, VOC concentrations in upgradient monitoring well MW-2dr have been below or near the laboratory reporting limits since the well was installed in 2012, and although MW-24d is not specified for sampling by the SAP, the well has been included in the monitoring program to provide data at the northern portion of the plume in the bedrock aquifer. While not identified as redundant during the MAROS spatial analysis, MW-24d has essentially replaced well MW-2dr in the sampling program; therefore, MW-2dr is recommended to be removed from the program.

In summary, the VOC plume remains similar in size to the October 2014 sampling event, Mann-Kendall trend analysis suggests that the plume is generally stable, and MNA appears to be proceeding. After five semi-annual monitoring events following the source area remediation soil mixing event and implementation of MNA, sufficient data has been collected to evaluate optimization of the sampling program. Based on spatial and temporal redundancy analyses performed using MAROS, Amec Foster Wheeler recommends removing MW-19i from the program and reducing the monitoring frequency to annual (to be sampled in April). Additionally, MW-2dr is recommended to be removed from the program because VOC concentrations in samples from the well have been below or near laboratory reporting limits since the well was installed and MW-24d has been added to the program to provide data from the northern end of the plume in the bedrock aquifer.

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FIGURES

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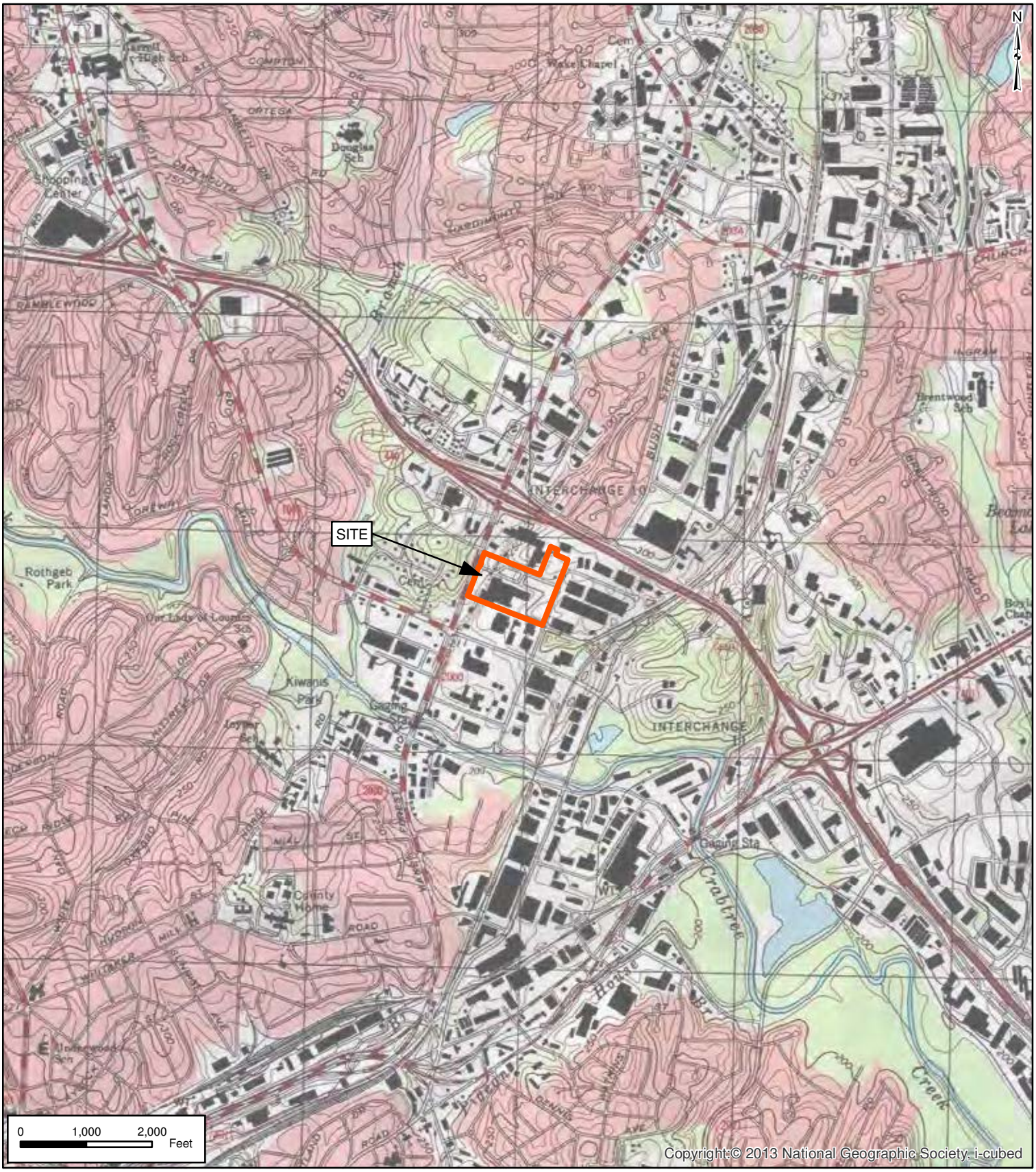

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2912 WAKE FOREST ROAD
RALEIGH, NORTH CAROLINA 27609

CLIENT:
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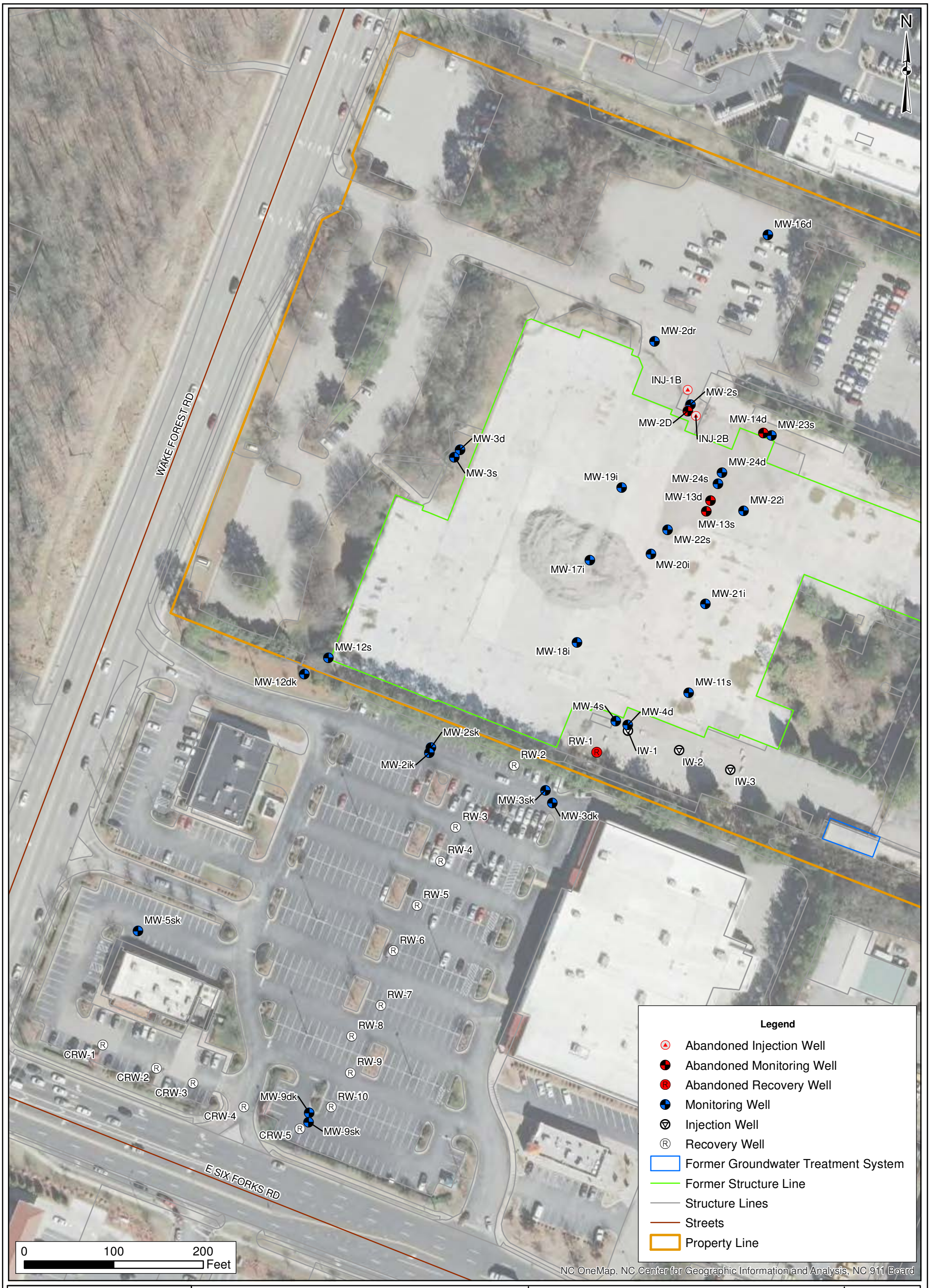
TITLE:
SITE AREA MAP

Figure
1

SCALE: 1 " = 2,000 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031	
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga		
LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS			



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SITE:
FORMER ALCATEL USA SOURCING FACILITY
2912 WAKE FOREST ROAD
RALEIGH, NORTH CAROLINA 27609

CLIENT:
ALCATEL LUCENT USA, INC
RALEIGH, NORTH CAROLINA

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Durham, NC 27703
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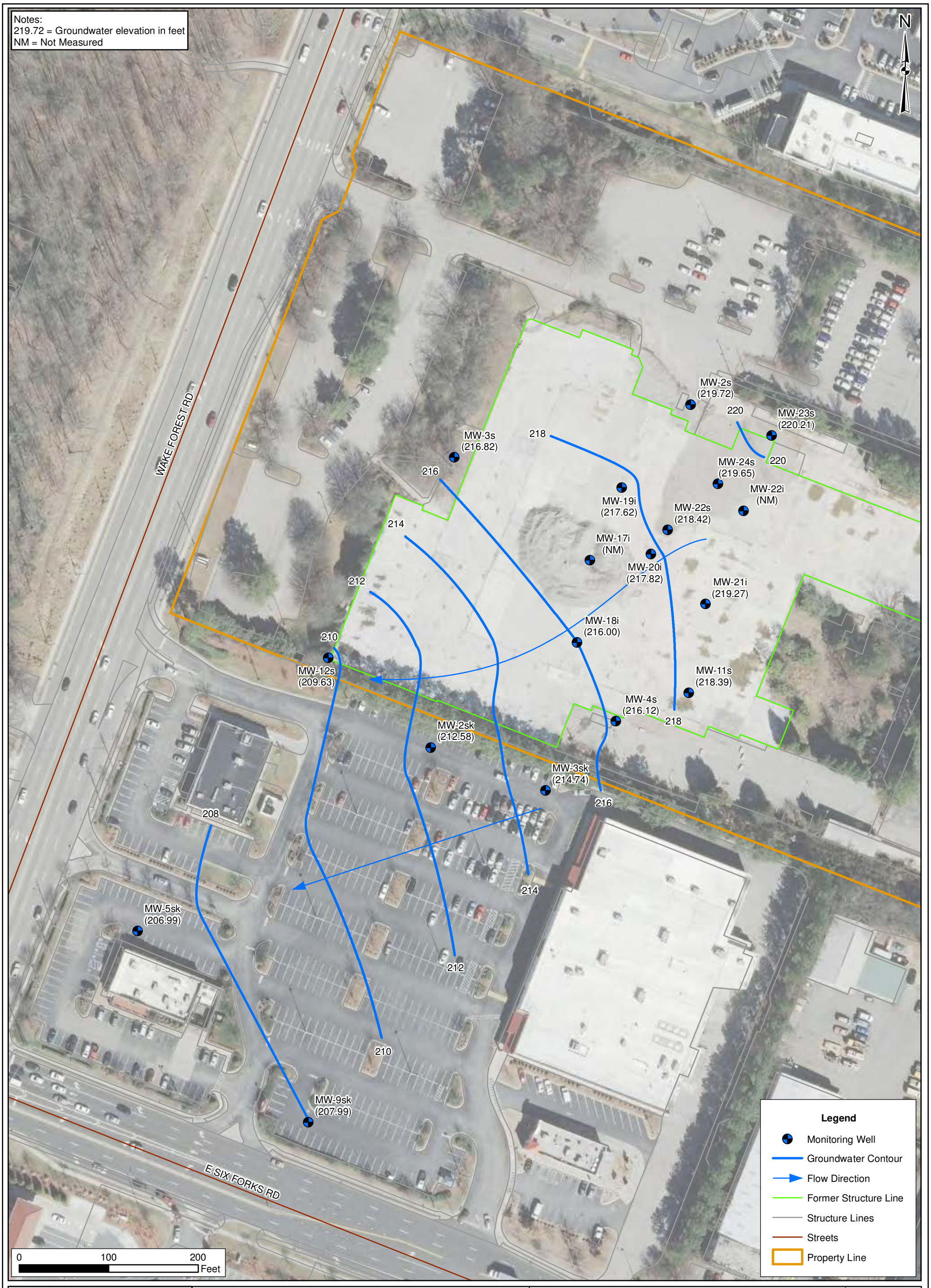
TITLE:
SITE LAYOUT MAP

Figure
2

SCALE: 1 " = 100 ' **DATE:** 04/27/2015 **PROJECT:** 6480155031

DRAWN BY: I. Ros **CHECKED BY:** D. Hriciga

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS



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TITLE:
POTENTIOMETRIC SURFACE MAP - UNCONSOLIDATED AQUIFER APRIL 2015

Figure
3a

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS

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TITLE:
POTENTIOMETRIC SURFACE MAP - BEDROCK AQUIFER APRIL 2015

Figure
3b

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS

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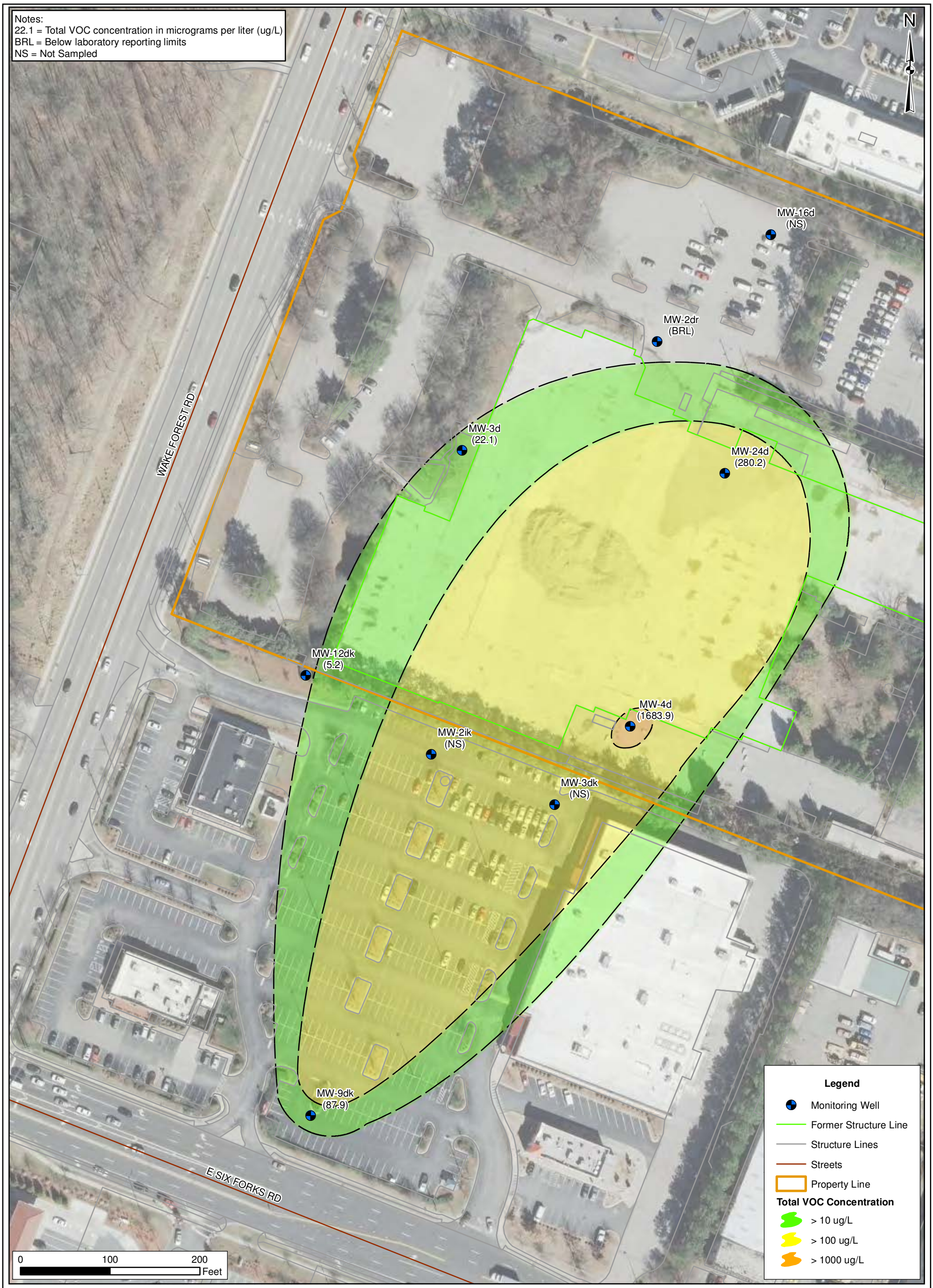
TITLE: **TOTAL VOC CONCENTRATION - UNCONSOLIDATED AQUIFER APRIL 2015**

Figure 4a

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS



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TITLE:
TOTAL VOC CONCENTRATION - BEDROCK AQUIFER
APRIL 2015

Figure
4b

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS

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SITE: **FORMER ALCATEL USA SOURCING FACILITY**
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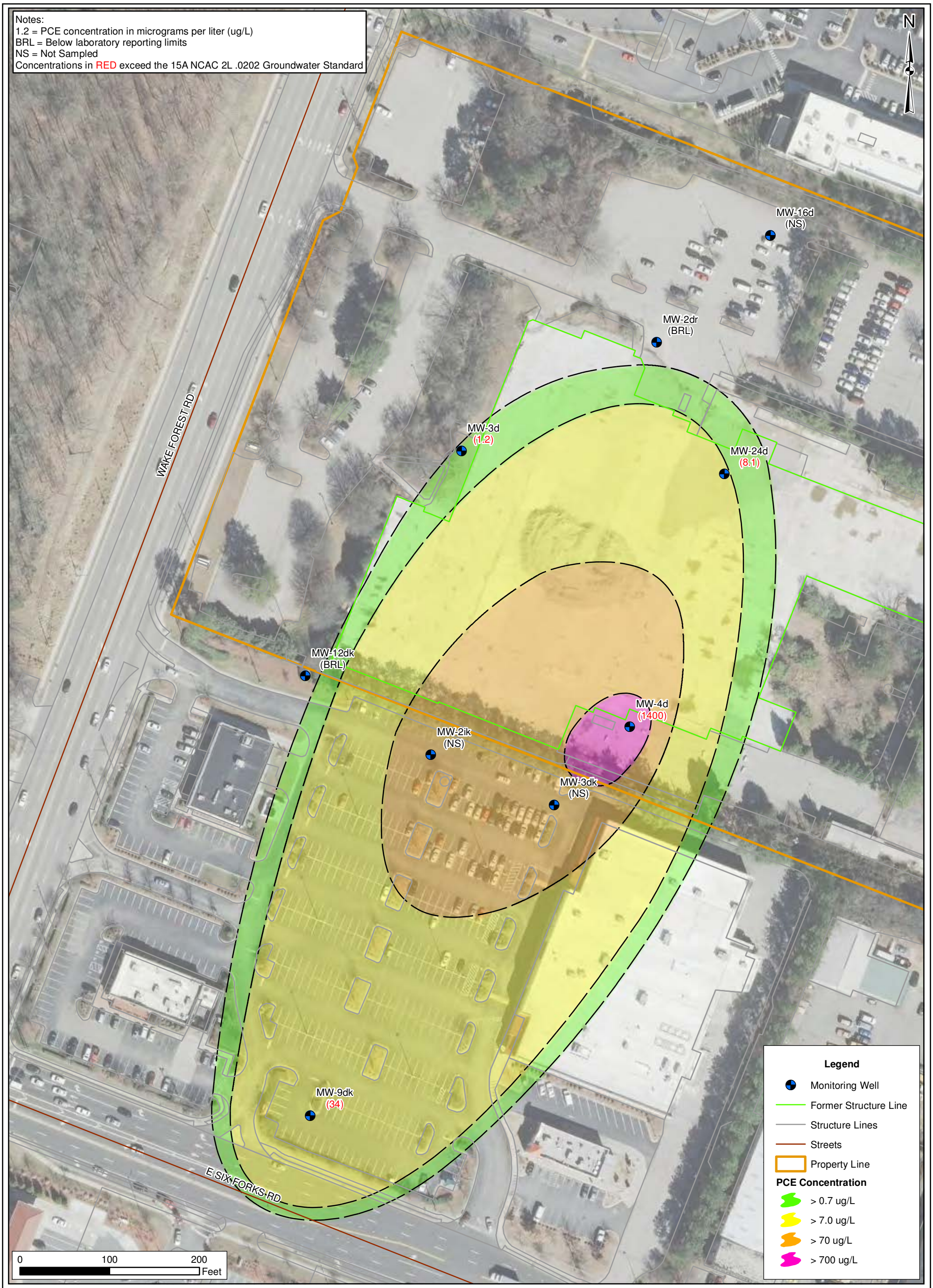
TITLE: **PCE CONCENTRATION - UNCONSOLIDATED AQUIFER APRIL 2015**

Figure 5a

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS



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TITLE:
PCE CONCENTRATION - BEDROCK AQUIFER APRIL 2015

Figure
5b

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS

Notes:
25 = 1,4-Dioxane concentration in micrograms per liter (ug/L)
BRL = Below laboratory reporting limits
NS = Not Sampled
Concentrations in RED exceed the 15A NCAC 2L interim maximum allowable concentration

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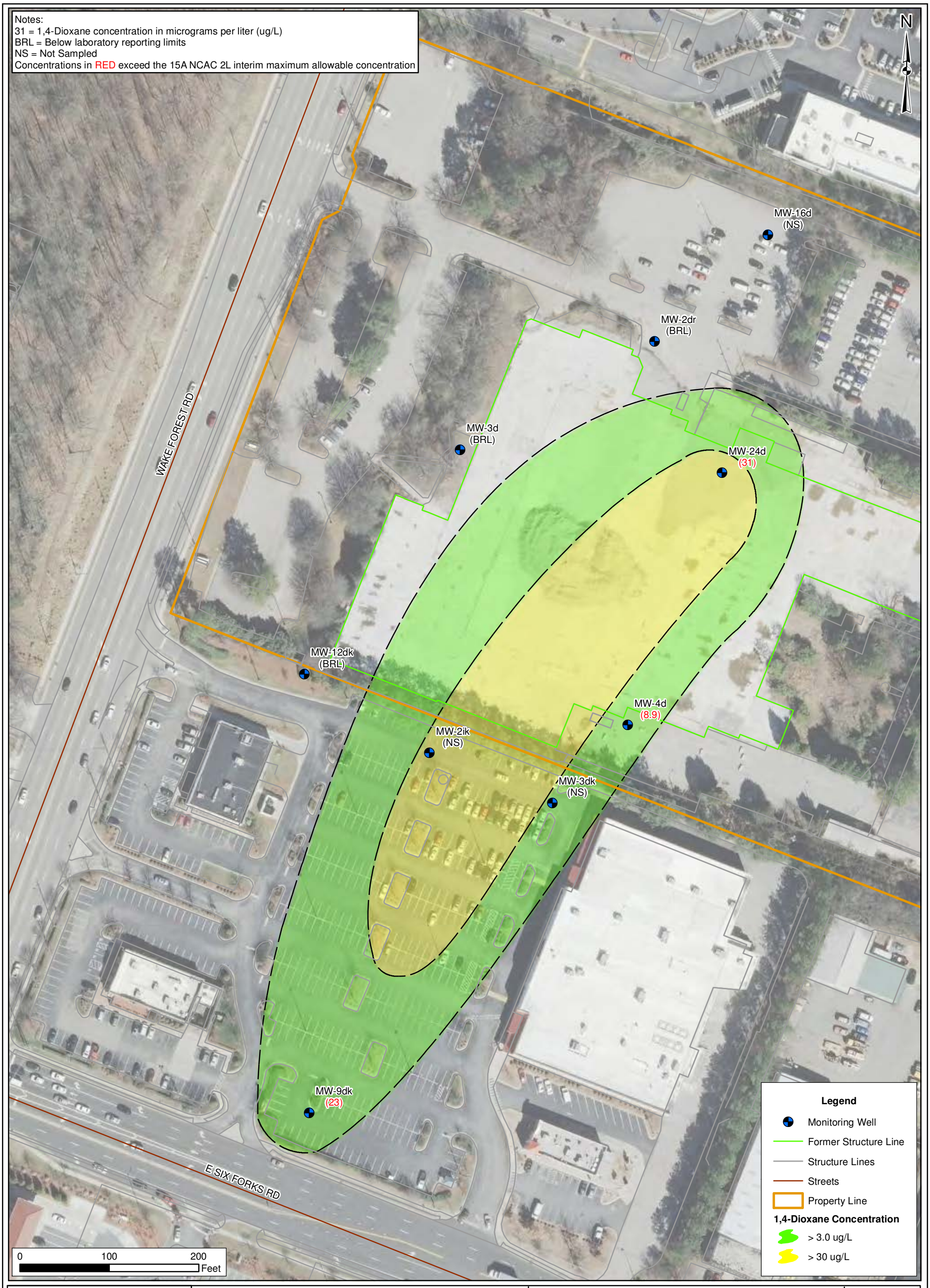
TITLE: **1,4-DIOXANE CONCENTRATION - UNCONSOLIDATED AQUIFER APRIL 2015**

Figure 6a

SCALE: 1 " = 100 '	**DATE:** 04/27/2015	**PROJECT:** 6480155031
DRAWN BY: I. Ros	**CHECKED BY:** D. Hriciga	

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS



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TITLE: **1,4-DIOXANE CONCENTRATION - BEDROCK AQUIFER APRIL 2015**

Figure 6b

SCALE: 1 " = 100 ' **DATE:** 04/27/2015 **PROJECT:** 6480155031

DRAWN BY: I. Ros **CHECKED BY:** D. Hriciga

LOCATION: Alcatel-Lucent\6480155031 - 2015 Groundwater Sampling\3000 April 2015 GWMonitoring\GIS

TABLES

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Table 1
Groundwater Elevations
Former Alcatel Facility
Raleigh, North Carolina
Measurement Date: April 7, 2015

Monitoring Well	Top of Casing Elevation (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Total Well Depth (feet)	Screen Interval (feet)	
					Top	Bottom
MW-2dr*	224.29	217.05	7.24	73.0	58.0	73.0
MW-2s	225.59	219.72	5.87	18.0	8.0	18.0
MW-3d*	228.48	218.23	10.25	70.0	55.0	70.0
MW-3s	228.55	216.82	11.73	20.5	10.5	20.5
MW-4d*	226.44	215.38	11.06	67.0	37.0	67.0
MW-4s	226.17	216.12	10.05	15.0	10.0	15.0
MW-11s	228.84	218.39	10.45	14.0	4.0	14.0
MW-12s	228.39	209.63	18.76	20.0	10.0	20.0
MW-12dk*	221.85	212.40	9.45	65.0	Unknown	Unknown
MW-16d*	231.89	219.52	12.37	80.0	Unknown	Unknown
MW-2ik*	223.36	212.46	10.90	40.9	32.0	42.0
MW-2sk	223.47	212.58	10.89	20.0	10.0	20.0
MW-3dk*	225.90	214.28	11.62	33.2	Unknown	Unknown
MW-3sk	225.51	214.74	10.77	17.0	7.0	17.0
MW-5sk	215.28	206.99	8.29	24.0	14.0	24.0
MW-9dk*	216.95	206.14	10.81	70.0	55.0	70.0
MW-9sk	217.04	207.99	9.05	46.0	6.0	46.0
MW-17i	229.72	NM	NM	31.0	26.0	31.0
MW-18i	228.88	216.00	12.88	27.0	22.0	27.0
MW-19i	228.83	217.62	11.21	32.0	27.0	32.0
MW-20i	228.95	217.82	11.13	31.0	26.0	31.0
MW-21i	228.95	219.27	9.68	37.0	32.0	37.0
MW-22i	229.88	NM	NM	32.0	27.0	32.0
MW-22s	228.85	218.42	10.43	20.0	10.0	20.0
MW-23s	227.07	220.21	6.86	18.0	8.0	18.0
MW-24d	228.99	219.16	9.83	43.0	38.0	43.0
MW-24s	229.45	219.65	9.80	20.0	10.0	20.0

Notes:
MW-17i and MW-22i were covered by demolition rubble and were inaccessible.
* - Bedrock well

Table 2
Historic Groundwater Analytical Results
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		**200**	**0.6***	**6**	**350**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**10***	**NE**	**NE**	**0.3**	**3000**	**70**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**NE**	**5**	**6**	**70**	**500**	**70**	**0.7**	**3**	**600**	**100**	**2000**	**0.03**	**3***
MW-2d	04/24/08	12	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.1**	BRL	BRL	BRL	NA	NA	BRL
	10/15/08	26	BRL	2.2	34	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	0.55	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**36**	BRL	BRL	BRL	NA	<0.28	BRL
	04/16/09	12	BRL	1.6	27	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**19**	BRL	BRL	BRL	NA	<0.28	BRL
	10/08/09	26	BRL	1.6	34	BRL	NS	BRL	BRL	NA	**1.0**	BRL	NS	NA	BRL	NS	BRL	BRL	1.3	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**43**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/14/10	12	<1.0	1.9	23	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	0.89 J	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**26**	<2.0	BRL	<2.0	<5.0	<0.068	<3.0
	10/06/10	36	<0.068	**9.3**	4.7	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	0.65	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**10**	<0.044	BRL	<0.061	2.8	<0.068	**6.6**
	04/12/11	25	<0.5	**6.9**	32	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**19**	<0.5	<0.5	<0.5	1.2	<0.5	**5.7**
MW-2dr	10/22/12	1.1	<0.50	0.65	0.67	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.82 J	<0.50	78 J	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	04/30/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	06/05/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/09/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.9 J	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<3.0
	04/08/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-2s	04/24/08	9.6	BRL	1.6	1.7	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**7.0**	BRL	BRL	BRL	NA	NA	BRL
	10/13/08	11.0	BRL	2.2	2.4	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**7.8**	BRL	BRL	BRL	NA	<0.28	BRL
	04/16/09	11.0	BRL	2.1	2.1	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**8.2**	BRL	BRL	BRL	NA	<0.28	BRL
	10/08/09	8.0	BRL	1.5	1.2	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**6.6**	BRL	BRL	BRL	0.85	<0.28	BRL
	04/14/10	16.0	<1.0	2.8	1.9	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**16**	<2.0	BRL	<2.0	1.2 J	<0.068	<3.0
	10/06/10	7.6	<0.068	1.2	0.89	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**12**	<0.044	BRL	<0.061	<0.050	<0.068	**7.1**
	04/12/11	6.0	<0.5	0.61	0.56	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**9.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0
	10/25/11	5.9	<0.50	0.68	<0.50	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**12**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	04/30/13	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**15**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	06/05/14	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	23	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	3.0 J	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**7.7**	<0.50	<0.50	<0.50	1.2	<0.50	<3.0
	10/10/14	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**17**	<0.50	<0.50	<0.50	0.89	<0.50	<3.0
	04/08/15	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**16**	<0.50	<0.50	<0.50	1.1	<0.50	<3.0
MW3d	04/25/08	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	NA	BRL
	04/15/09	5.2	BRL	0.80	1.7	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**0.84**	BRL	BRL	BRL	NA	<0.28	BRL
	10/08/09	4.5	BRL	1.1	2.3	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	0.78	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**1.8**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/13/10	14	<0.50	5.4	12	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	<0.50	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.6**	<0.50	BRL	<0.50	0.58	<0.068	<3.0
	10/05/10	15	<0.068	3.5	7.7	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	0.68	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.7**	<0.044	BRL	<0.061	0.96	<0.068	**3.40**
	04/12/11	30	<0.5	**6.8**	17	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	0.62 J	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**5.0**	<0.5	<0.5	<0.5	2.7	<0.5	**4.40**
	10/25/11	13	<0.50	3.6	6.7	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	0.54	<0.50	<0.50	NS	0.61 J	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**2.4**	<0.50	<0.50	<0.50	1.6	<0.50	<3.0
	10/18/12	22	<0.50	**8.7**	11	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.82 J	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**4.7**	<0.50	<0.50	<0.50	2.5	<0.50	<3.0
	05/01/13	52	<0.50	**18**	11	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.79 J	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**5.9**	<0.50	<0.50	<0.50	7.6	<0.50	**9.4**
	10/29/13	16	<0.50	**8.4**	4.2	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**2.7**	<0.50	<0.50	<0.50	1.4	<0.50	**8.4**
	06/06/14	81	<0.50	**17**	4.6	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	1.8	<0.50	<0.50	<0.50	<0.50	0.84	<0.50	0.91	2.4	<0.50	94 J	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**4.0**	<0.50	<0.50	<0.50	20	<0.50	**9.1**
	10/09/14	70	<0.50	**13**	6.3	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	2.2	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	1.2	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**2.9**	<0.50	<0.50	<0.50	17	<0.50	**7.4**
	04/07/15	14	<0.50	2.0	2.1	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**1.2**	<0.50	<0.50	<0.50	2.8	<0.50	<3.0

Table 2
Historic Groundwater Analytical Results
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		**200**	**0.6***	**6**	**350**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**10***	**NE**	**NE**	**0.3**	**3000**	**70**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**NE**	**5**	**6**	**70**	**500**	**70**	**0.7**	**3**	**600**	**100**	**2000**	**0.03**	**3***
MW-3s	04/25/08	BRL	BRL	0.87	0.94	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	3.0	BRL	BRL	NA	NA	**3.1**
	10/14/08	BRL	BRL	1.0	1.3	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	0.66	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	3.9	BRL	BRL	NA	<0.28	**3.6**
	04/15/09	BRL	BRL	0.69	0.69	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	2.5	BRL	BRL	NA	<0.28	BRL
	10/08/09	BRL	BRL	0.70	0.66	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	3.3	BRL	BRL	BRL	<0.28	BRL
	04/13/10	<0.50	<0.50	<0.50	<0.50	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	<0.50	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.50	0.82	BRL	<0.50	<0.50	<0.068	<3.0
	10/05/10	<0.075	<0.068	1.0	1.2	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.096	1.2	BRL	<0.061	<0.050	<0.068	**4.60**
	04/12/11	<0.5	<0.5	0.9	1.6	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	0.69	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	<0.5	**3.4**	0.53	<0.5	<0.5	<0.5	**8.70**
	10/25/11	<0.50	<0.50	1.4	2.1	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	**1.0**	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	<0.50	**4.6**	<0.50	<0.50	<0.50	<0.50	**6.4**
	05/01/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**26**
	10/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	**1.5**	<0.50	<0.50	<0.50	<0.50	**100**
	06/06/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	**28**
	10/09/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	**26**
	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	<0.50	**25**
MW-4d	04/23/08	190	NA	**6.0**	96	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	NA	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**1300**	BRL	BRL	NA	NA	NA	**16**
	10/14/08	120	BRL	**6.9**	130	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**980**	BRL	BRL	BRL	NA	<2.8	**11**
	04/16/09	44	BRL	BRL	63	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**530**	BRL	BRL	BRL	NA	<2.8	**13**
	10/07/09	57	BRL	BRL	110	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**740**	BRL	BRL	BRL	BRL	<2.8	**6.9**
	04/14/10	72	<5.0	5.2	120	BRL	NS	<5.0	BRL	NA	<5.0	BRL	NS	NA	BRL	NS	<5.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**870**	<5.0	BRL	<5.0	<5.0	<2.8	**5.4**
	10/06/10	78	<0.068	**7.6**	190	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	0.87	BRL	1.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**1000**	**5.6**	BRL	<0.061	<0.050	<0.068	**14.0**
	04/12/11	180	<5.0	<5.0	94	BRL	NS	<5.0	BRL	<100	<5.0	BRL	NS	<5.0	BRL	NS	<5.0	BRL	<5.0	NS	<10	BRL	NS	NS	<50	NS	NS	<10	NS	<5.0	BRL	**1300**	<5.0	<5.0	<5.0	<5.0	<5.0	**9.5**
	10/26/11	**210**	**8.6**	**8.0**	150	53	NS	<5.0	15	<100	<5.0	<10	NS	<5.0	**34**	NS	<5.0	<5.0	11	NS	<10	13	NS	NS	<50	NS	NS	**70**	NS	48	8.3	**1000**	<5.0	<5.0	<5.0	<5.0	<5.0	**11**
	10/18/12	**210**	<2.5	**8.4**	80	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<1,000	<5.0	<25	<5.0	<10	<5.0	NS	<7.5	<2.5	**1100**	<2.5	<2.5	<2.5	8.9	<2.5	**6.2**
	05/01/13	170	<2.5	**8.3**	83	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<1,000	<5.0	<25	<5.0	<10	<5.0	NS	<7.5	<2.5	**1000**	<2.5	<2.5	<2.5	12	<2.5	**14**
	10/29/13	190	<2.5	**8.2**	81	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<1,000	<5.0	<25	<5.0	<10	<5.0	NS	<7.5	<2.5	**1200**	<2.5	<2.5	<2.5	19	<2.5	**18**
	06/05/14	**210**	<2.5	**12**	92	<2.5	<2.5	<2.5	<2.5	<50	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<1000	<5.0	<25	<5.0	<10	<5.0	NS	<7.5	<2.5	**1000**	<2.5	<2.5	<2.5	31	<2.5	**9.2**
	10/10/14	190	<0.50	**10**	75	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**1300**	2.9	<0.50	<0.50	13	<0.50	**12**
	04/08/15	160	<0.50	**10**	90	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.52	1.2	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**1400**	1.2	<0.50	<0.50	21	<0.50	**8.9**
MW-4s	04/23/08	3.3	BRL	BRL	0.81	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**29**	BRL	BRL	BRL	NA	NA	**3.1**
	10/14/08	4.2	BRL	BRL	1.3	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**31**	BRL	BRL	BRL	NA	<0.28	BRL
	04/16/09	6.0	BRL	BRL	1.8	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**64**	BRL	BRL	BRL	NA	<0.28	BRL
	10/07/09	5.9	BRL	BRL	1.3	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**72**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/14/10	5.7	<0.50	<0.50	1.2	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	<0.50	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**75**	<0.50	BRL	<0.50	<0.50	<0.28	<3.0
	10/06/10	12	<0.068	<0.038	4.0	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**140**	<0.044	BRL	<0.061	<0.050	<0.068	**5.4**
	04/12/11	15	<2.0	<2.0	4.4	BRL	NS	<2.0	BRL	<40	<2.0	BRL	NS	<2.0	BRL	NS	<2.0	BRL	<2.0	NS	<4.0	BRL	NS	NS	<20	NS	NS	<4.0	NS	<2.0	BRL	**170**	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0
	10/26/11	13	<2.0	<2.0	3.7	<2.0	NS	<2.0	<2.0	<40	<2.0	<4.0	NS	<2.0	<2.0	NS	<2.0	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	NS	<6.0	<2.0	**150**	<2.0	<2.0	<2.0	<2.0	<2.0	**3.8**
	10/18/12	3.7	<0.50	<0.50	2.1	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**38**	<0.50	<0.50	<0.50	1.1	<0.50	<3.0
	05/01/13	8.8	<0.50	<0.50	3.0	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**57**	<0.50	<0.50	<0.50	2.2	<0.50	**5.8**
	10/29/13	6.7	<0.50	<0.50	2.3	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**53**	<0.50	<0.50	<0.50	0.87	<0.50	**12**
	06/05/14	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**5.2**	<0.50	<0.50	<0.50	1.5	<0.50	<3.0
	10/10/14	1.6	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**20**	<0.50	<0.50	<0.50	0.86	<0.50	**5.7**
	04/08/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**6.0**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.1**

Table 2
Historic Groundwater Analytical Results
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		200	0.6*	6	350	400	20	0.4	400	6000	1	10*	NE	NE	0.3	3000	70	3	70	NE	1000	600	4000	40	4000	NE	5	6	70	500	70	0.7	3	600	100	2000	0.03	3*
MW-12s	04/25/08	BRL	BRL	**11**	6.0	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	6.5	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	0.60	0.53	BRL	BRL	NA	NA	**59**
	10/14/08	BRL	BRL	**9.1**	4.5	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	5.4	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	0.55	BRL	BRL	NA	1.2	**36**
	04/16/09	BRL	BRL	1.1	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	<0.28	**34**
	10/08/09	BRL	BRL	3.2	0.94	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	0.97	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	1.1	BRL	BRL	BRL	<0.28	**96**
	04/13/10	<0.50	<0.50	2.0	0.78	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	<0.50	BRL	1.7	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.50	0.51	BRL	<0.50	<0.50	<0.28	**62.0**
	10/05/10	<0.075	<0.068	1.8	0.90	BRL	NS	<0.054	BRL	18	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	1.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.096	<0.044	BRL	<0.061	<0.050	<0.068	**18.0**
	04/11/11	<0.5	<0.5	4.4	2.1	BRL	NS	<0.5	BRL	<10	**1.6**	BRL	NS	<0.5	BRL	NS	<0.5	BRL	3.0	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	2.6	NS	0.83	BRL	<0.5	<0.5	1.1	<0.5	<0.5	**1.2**	**31.0**
	10/25/11	<0.50	<0.50	**6.0**	2.3	<0.50	NS	<0.50	<0.50	<10	**1.5**	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	2.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	<0.50	0.79	<0.50	<0.50	<0.50	1.7	**32**
	10/18/12	2.3	<0.50	1.4	0.67	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**1.8**	<0.50	<0.50	<0.50	0.64	<0.50	**30**
	05/01/13	1.3	<0.50	0.63	1.3	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**2.8**	<0.50	<0.50	<0.50	3.4	<0.50	**20**
	10/29/13	0.60	<0.50	0.93	2.2	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**3.4**	<0.50	<0.50	<0.50	2.0	<0.50	**21**
	06/05/14	<0.50	<0.50	0.69	1.0	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**2.5**	<0.50	<0.50	<0.50	2.2	<0.50	**9.4**
	10/10/14	<0.50	<0.50	<0.50	2.4	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**3.0**	<0.50	<0.50	<0.50	1.3	<0.50	**8.6**
	04/08/15	<0.50	<0.50	<0.50	0.84	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**2.7**	<0.50	<0.50	<0.50	<0.50	<0.50	**6.0**
MW-13d	04/24/08	2.8	BRL	0.71	1.3	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	0.60	BRL	BRL	BRL	NA	NA	**3.3**
	10/15/08	2.9	BRL	0.74	0.77	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**0.79**	BRL	BRL	BRL	NA	<0.28	BRL
	04/16/09	2.1	BRL	0.62	2.10	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	0.67	BRL	BRL	BRL	NA	<0.28	BRL
	10/08/09	5.7	BRL	1.4	3.7	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**1.40**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/13/10	8.2	<1.0	2.6	1.5	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.0**	<2.0	BRL	<2.0	<5.0	<0.068	<3.0
	10/05/10	14	<0.068	3.8	4.5	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.5**	<0.044	BRL	<0.061	1.1	<0.068	**4.2**
	04/13/11	9.6	<0.5	2.1	5.7	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**2.1**	<0.5	<0.5	<0.5	0.84	<0.5	**3.1**
	10/26/11	18	<0.50	5.4	10	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	0.88 J	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**4.4**	<0.50	<0.50	<0.50	2.0	<0.50	**3.0**
MW-13s	04/16/09	11	**3.0**	**85**	**460**	BRL	NS	**5.6**	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**110**	**2.8**	BRL	BRL	NA	<1.1	**980**
	10/08/09	14	**4.2**	**86**	**530**	BRL	NS	**8.5**	BRL	NA	BRL	BRL	NS	NA	BRL	NS	12	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**130**	**4.9**	BRL	BRL	BRL	<1.1	**1000**
	04/14/10	13	**3.2**	**80**	**380**	BRL	NS	**6.4**	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	11	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**100**	2.8	BRL	<2.0	<5.0	<0.068	**460**
	10/06/10	12	**3.6**	**88**	**630**	BRL	NS	**7.3**	BRL	<1.5	<0.054	BRL	NS	0.65	BRL	NS	11	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**120**	2.3	BRL	<0.061	<0.050	<0.068	**1000**
	04/13/11	13	**4.2**	**100**	**560**	BRL	NS	**7.7**	BRL	<10	<0.5	BRL	NS	0.62	BRL	NS	10	BRL	<0.5	NS	<1.0	BRL	NS	NS	14	NS	NS	<1.0	NS	<0.5	BRL	**110**	2.5	<0.5	<0.5	<0.5	<0.5	**1200**
	10/26/11	11	<5.0	**94**	**520**	9.2	NS	**7.2**	<5.0	<100	<5.0	<10	NS	<5.0	<5.0	NS	8.9	<5.0	<5.0	NS	<10	<5.0	NS	NS	67	NS	NS	**10**	NS	8.6 J	<5.0	**110**	<5.0	<5.0	<5.0	<5.0	<5.0	**1000**
MW-14d	04/23/08	180	BRL	BRL	27	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.5**	BRL	BRL	BRL	NA	NA	BRL
	10/15/08	**280**	BRL	0.55	34	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.4**	BRL	BRL	BRL	NA	<0.28	BRL
	04/16/09	120	BRL	1.20	15	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.5**	BRL	BRL	BRL	NA	<0.28	BRL
	10/07/09	160	BRL	BRL	14	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.3**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/14/10	**210**	<1.0	<1.0	18	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.2**	<2.0	BRL	<2.0	<5.0	<0.068	<3.0
	10/05/10	**270**	<0.068	0.93	27	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**4.7**	<0.044	BRL	<0.061	<0.050	<0.068	**4.7**
	04/12/11	190	<2.0	**6.2**	24	BRL	NS	<2.0	BRL	<40	<2.0	BRL	NS	<2.0	BRL	NS	<2.0	BRL	<2.0	NS	<4.0	BRL	NS	NS	<20	NS	NS	<4.0	NS	<2.0	BRL	**3.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0
	10/26/11	170	<2.0	<2.0	19	<2.0	NS	<2.0	<2.0	<40	<2.0	<4.0	NS	<2.0	<2.0	NS	<2.0	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	NS	<6.0	<2.0	**2.5**	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0
MW-2ik	04/14/10	0.73 J	<1.0	1.2	29	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	5.4	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**27**	**18**	BRL	<2.0	<5.0	**0.78 J**	**11.0**
	10/06/10	0.87	<0.068	1.7	22	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	0.74	BRL	3.6	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**42**	**21**	BRL	<0.061	<0.050	<0.068	**11.0**
	04/12/11	0.78	<0.5	1.1	26	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	0.86	BRL	1.2	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**67**	**17**	<0.5	<0.5	<0.5	<0.5	**13.0**
	10/25/11	4.4	<0.50	2.8	47	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	1.1	<0.50	3.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**100**	**25**	<0.50	<0.50	<0.50	<0.50	**9.3**
	10/22/12	5.3	<0.50	2.7	65	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	2.7	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**430**	**30**	<0.50	<0.50	<0.50	<0.50	**98**
MW-2sk	04/13/10	1.7	<0.50	2.6	1.9	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	0.74	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**11**	0.79	BRL	<0.50	<0.50	<0.28	**22**
	10/05/10	2.9	<0.068	3.0	7.1	BRL	NS	<0.054	BRL	23	<0.054	BRL	NS	<0.031	BRL	NS	0.66	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**16**	1.1	BRL	<0.061	<0.050	<0.068	**35**
	04/12/11	2.0	<0.5	2.7	11	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	0.66	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**16**	0.87	<0.5	<0.5	<0.5	<0.5	**31**
	10/25/11	2.9	<0.50	4.3	17	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	0.78	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**22**	1.4	<0.50	<0.50	<0.50	<0.50	**30**
	10/22/12	2.8	<0.50	4.2	19	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.69	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**21**	1.4	<0.50	<0.50	<0.50	<0.50	**69**

Table 2
Historic Groundwater Analytical Results
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		**200**	**0.6***	**6**	**350**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**10***	**NE**	**NE**	**0.3**	**3000**	**70**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**NE**	**5**	**6**	**70**	**500**	**70**	**0.7**	**3**	**600**	**100**	**2000**	**0.03**	**3***
MW-3dk	04/24/08	56	BRL	5.7	11	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**110**	BRL	BRL	BRL	NA	NA	**15**
	10/14/08	67	BRL	**8.8**	30	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**140**	BRL	BRL	BRL	NA	<0.28	**12**
	04/15/09	65	BRL	**6.5**	26	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**160**	BRL	BRL	BRL	NA	<0.28	**13**
	10/07/09	47	BRL	5.1	13	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	0.57	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**140**	BRL	BRL	BRL	BRL	<0.28	**23**
	04/14/10	76	<0.50	3.0	8.6	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	0.52	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**190**	<0.50	BRL	<0.50	<0.50	<0.28	**14**
	10/06/10	73	<0.068	4.4	25	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	0.5	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**220**	<0.044	BRL	<0.061	<0.050	<0.068	**16**
	04/12/11	53	<0.5	5.2	25	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	0.96	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**91**	<0.5	<0.5	<0.5	0.57	<0.5	**11**
	10/26/11	51	<0.50	**8.2**	21	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**100**	<0.50	<0.50	<0.50	1.6	<0.50	**16**
	10/22/12	53	<0.50	**6.6**	27	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**130**	<0.50	<0.50	<0.50	8.1	<0.50	**16**
MW-3sk	04/24/08	8.7	BRL	BRL	0.62	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**55**	BRL	BRL	BRL	NA	NA	**5.2**
	10/14/08	12	BRL	BRL	1.5	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**61**	BRL	BRL	BRL	NA	<0.28	BRL
	04/15/09	11	BRL	BRL	1.2	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**71**	BRL	BRL	BRL	NA	<0.28	BRL
	10/07/09	13	BRL	BRL	1.8	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**100**	BRL	BRL	BRL	BRL	<0.28	BRL
	04/14/10	1.6	<1.0	<1.0	<1.0	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**13**	<2.0	BRL	<2.0	<5.0	<0.068	2.8 J
	10/06/10	11	<0.068	<0.038	3.0	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**100**	<0.044	BRL	<0.061	<0.050	<0.068	**5.5**
	04/12/11	19	<0.5	<0.5	5.2	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**140**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.1**
	10/26/11	14	<0.50	0.52	3.9	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**110**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/22/12	0.97	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**6.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-5sk	04/23/08	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	2.3	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	NA	**3.1**
	10/14/08	BRL	BRL	0.52	0.55	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	3.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	<0.28	BRL
	04/15/09	BRL	BRL	0.70	0.94	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	3.4	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	1.1	BRL	BRL	NA	<0.28	BRL
	10/07/09	BRL	BRL	BRL	0.63	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	3.3	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**0.57**	BRL
	04/12/10	<0.50	<0.50	0.66	1.2	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	<0.50	BRL	5.7	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.50	1.4	BRL	<0.50	<0.50	<0.28	<3.0
	10/05/10	<0.075	<0.068	0.65	0.90	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	5.2	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.096	<0.044	BRL	<0.061	<0.050	<0.068	<1.5
	04/12/11	<0.5	<0.5	0.5	0.74	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	3.6	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**4.0**
	10/25/11	<0.50	<0.50	0.57	0.82	<0.50	NS	<0.50	<0.50	<10	<0.50	1.8	NS	<0.50	<0.50	NS	<0.50	**76**	4.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.63**	<3.0
	10/22/12	<0.50	<0.50	0.63	1.1	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.6	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	**0.55**	<3.0
	04/30/13	<0.50	<0.50	0.91	1.7	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	2.4	<0.50	<0.50	<0.50	<0.50	<3.0
	10/29/13	<0.50	<0.50	0.68	1.5	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	1.9	<0.50	<0.50	<0.50	**0.85**	**4.7**
	06/05/14	<0.50	<0.50	0.69	1.2	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.9	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.70**	<3.0
	10/09/14	<0.50	<0.50	0.84	3.3	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	<0.50	**3.5**	<0.50	<0.50	<0.50	**2.0**	**3.2**
	04/07/15	<0.50	<0.50	0.86	2.4	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	<0.50	**3.4**	<0.50	<0.50	<0.50	**1.3**	<3.0
MW-9dk	04/23/08	BRL	BRL	BRL	2.9	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.7**	4.1	BRL	BRL	NA	NA	BRL
	10/14/08	BRL	BRL	BRL	2.7	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.8**	4.8	BRL	BRL	NA	<0.28	BRL
	04/14/09	BRL	BRL	BRL	3.1	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.8**	4.9	BRL	BRL	NA	<0.28	BRL
	10/06/09	0.60	BRL	BRL	2.6	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	0.92	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**3.1**	**5.6**	BRL	BRL	BRL	<0.28	BRL
	04/13/10	0.80 J	<1.0	<1.0	3.7	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	0.62 J	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**4.0**	**5.6**	BRL	<2.0	<5.0	<0.068	<3.0
	10/06/10	1.2	<0.068	0.65	3.8	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	0.98	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**4.3**	**6.4**	BRL	<0.061	<0.050	<0.068	**6.1**
	04/11/11	1.6	<0.5	0.77	5.0	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	0.98	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**5.0**	**5.6**	<0.5	<0.5	<0.5	<0.5	**6.3**
	10/25/11	2.9	<0.50	1.6	10	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	1.1	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**10**	**8.3**	<0.50	<0.50	<0.50	<0.50	**6.9**
	10/22/12	3.5	<0.50	2.0	15	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.76	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**14**	**7.0**	<0.50	<0.50	<0.50	<0.50	**17**
	04/30/13	5.8	<0.50	3.3	20	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.88	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**14**	**6.2**	<0.50	<0.50	1.9	<0.50	**13**
	10/29/13	6.0	<0.50	3.5	22	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.76	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**20**	**8.0**	<0.50	<0.50	1.3	<0.50	**28**
	06/05/14	8.2	<0.50	5.1	28	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.81	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**29**	**8.9**	<0.50	<0.50	3.7	<0.50	**25**
	10/09/14	7.0	<0.50	4.2	17	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	0.97	<1.5	<0.50	**22**	**7.3**	<0.50	<0.50	3.6 A	<0.50	**25**
	04/07/15	8.2	<0.50	4.6	28	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.77	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**34**	**7.9**	<0.50	<0.50	4.4	<0.50	**23**

Table 2
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Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		**200**	**0.6***	**6**	**350**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**10***	**NE**	**NE**	**0.3**	**3000**	**70**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**NE**	**5**	**6**	**70**	**500**	**70**	**0.7**	**3**	**600**	**100**	**2000**	**0.03**	**3***
MW-9sk	04/23/08	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	NA	BRL
	10/13/08	BRL	BRL	BRL	1.4	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**2.5**	BRL	BRL	BRL	NA	<0.28	BRL
	04/14/09	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	<0.28	BRL
	10/06/09	0.76	BRL	BRL	2.2	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	BRL	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	**8.7**	0.87	BRL	BRL	BRL	<0.28	BRL
	04/13/10	<1.0	<1.0	<1.0	<1.0	BRL	NS	<1.0	BRL	NA	<1.0	BRL	NS	NA	BRL	NS	<1.0	BRL	<5.0	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<1.0	<2.0	BRL	<2.0	<5.0	<0.068	<3.0
	10/05/10	<0.075	<0.068	<0.038	<0.057	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	<0.053	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.096	<0.044	BRL	<0.061	<0.050	<0.068	<1.5
	04/11/11	<0.5	<0.5	<0.5	<0.5	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0
	10/24/11	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/22/12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	04/30/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	06/05/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/09/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-12dk	04/25/08	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	NA	BRL
	10/15/08	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	<0.28	BRL
	04/15/09	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	NA	BRL	NS	NA	BRL	NS	NA	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	NA	<0.28	BRL
	10/07/09	BRL	BRL	BRL	BRL	BRL	NS	BRL	BRL	NA	BRL	BRL	NS	NA	BRL	NS	1.1	BRL	BRL	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.28	BRL
	04/13/10	<0.50	<0.50	<0.50	<0.50	BRL	NS	<0.50	BRL	NA	<0.50	BRL	NS	NA	BRL	NS	1.4	BRL	<0.50	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.50	<0.50	BRL	<0.50	<0.50	<0.28	<3.0
	10/05/10	<0.075	<0.068	<0.038	<0.057	BRL	NS	<0.054	BRL	<1.5	<0.054	BRL	NS	<0.031	BRL	NS	1.2	BRL	<0.061	NS	BRL	BRL	NS	NS	BRL	NS	NS	BRL	NS	BRL	BRL	<0.096	<0.044	BRL	<0.061	<0.050	<0.068	<1.5
	04/11/11	<0.5	<0.5	<0.5	<0.5	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	1.1	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0
	10/24/11	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<10	**4.6**	<1.0	NS	<0.50	<0.50	NS	1.2	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/22/12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	0.63	<0.50	<0.50	<0.50	<3.0
	04/30/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/29/13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<3.0
	06/05/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	12	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	<0.50	<0.50	4.5	<0.50	<0.50	<0.50	<3.0
	10/09/14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	9.9	<0.50	<0.50	<0.50	<3.0
	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	<0.50	<0.50	5.2	<0.50	<0.50	<0.50	<3.0
MW-17i	04/13/11	18	<0.5	5.1	13	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**4.6**	<0.5	<0.5	<0.5	1.0	<0.5	**8.7**
	10/26/11	15	<0.50	3.4	8.8	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**4.1**	<0.50	<0.50	<0.50	1.4	<0.50	**5.1**
MW-18i	04/12/11	13	<0.5	3.5	22	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	0.69	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**120 E**	0.51	<0.5	<0.5	<0.5	<0.5	**12.0**
	10/26/11	11	<0.50	3.6	21	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	0.67	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	**14.0**
	10/22/12	7.3	<0.50	1.3	10	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**61**	<0.50	<0.50	<0.50	35	<0.50	**20**
	05/01/13	11	<0.50	2.0	14	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**84**	<0.50	<0.50	<0.50	7.9	<0.50	**20**
	10/29/13	5.7	<0.50	1.3	12	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**60**	<0.50	<0.50	<0.50	2.5	<0.50	**23**
	06/06/14	5.5	<0.50	1.2	11	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**71**	<0.50	<0.50	<0.50	6.5	<0.50	**29**
	10/10/14	3.2	<0.50	0.94	13	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**65**	<0.50	<0.50	<0.50	3.6	<0.50	**31**
	04/08/15	2.6	<0.50	0.64	7.8	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**56**	<0.50	<0.50	<0.50	3.4	<0.50	**29**
MW-19i	04/13/11	6.2	<0.5	13	57	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	0.53	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<0.5	NS	<0.5	BRL	**33**	2.0	<0.5	<0.5	0.56	<0.5	**37.0**
	10/26/11	5.5	<0.50	**8.1**	31	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**27**	1.6	<0.50	<0.50	1.2	<0.50	**19**
	10/18/12	2.6	<0.50	**10**	49	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**31**	1.8	<0.50	<0.50	<0.50	<0.50	**46**
	10/18/12**	2.9	<0.50	**11**	47	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**35**	2.1	<0.50	<0.50	<0.50	<0.50	**62**
	05/01/13	2.3	<0.50	**13**	68	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.59	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**28**	1.7	<0.50	<0.50	<0.50	<0.50	**54**
	05/01/13**	1.6	<0.50	**12**	53	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**32**	2.0	<0.50	<0.50	1.4	<0.50	**50**
	10/29/13	1.2	<0.50	**13**	77	<0.50	<0.50	**0.74**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.76	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**30**	2.0	<0.50	<0.50	<0.50	<0.50	**110**
	06/06/14	<0.50	<0.50	**8.4**	46	<0.50	<0.50	<0.50	<0.50	14	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**18**	1.4	<0.50	<0.50	<0.50	<0.50	**48**
	10/10/14	0.55	<0.50	**15**	81	<0.50	<0.50	**0.74**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.78	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**33**	2.4	<0.50	<0.50	<0.50	<0.50	**110**
	04/08/15	<0.50	<0.50	**13**	79	<0.50	<0.50	**0.56**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**37**	**3.2**	<0.50	<0.50	<0.50	<0.50	**53**

Table 2
Historic Groundwater Analytical Results
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Bromodichloromethane (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Ethylbenzene (ug/l)	Ethanol (ug/l)	2-Hexanone (ug/l)	2-Butanone (ug/l)	Methyl Isobutyl Ketone (ug/l)	Methylene Chloride (ug/l)	Napthalene (ug/l)	n-Propylbenzene (ug/l)	Total Xylenes (ug/l)	tert-Butylbenzene (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	trans-1,2-DCE (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	1,4-Dioxane (ug/l)
2L Standards		200	0.6*	6	350	400	20	0.4	400	6000	1	10*	NE	NE	0.3	3000	70	3	70	NE	1000	600	4000	40	4000	NE	5	6	70	500	70	0.7	3	600	100	2000	0.03	3*
MW-20i	04/12/11	45	<0.5	**8.8**	11	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	0.58 J	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**6.6**	<0.5	<0.5	<0.5	3.2	<0.5	**5.3**
	10/22/12	42	<0.50	**14**	35	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.96 J	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**12**	<0.50	<0.50	<0.50	7.1	<0.50	**39**
	10/22/12**	42	<0.50	**14**	31	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**13**	<0.50	<0.50	<0.50	6.8	<0.50	**31**
MW-21i	04/12/11	**230**	<2.0	<2.0	48	BRL	NS	<2.0	BRL	<40	<2.0	BRL	NS	<4.0	BRL	NS	<2.0	BRL	<2.0	NS	<4.0	BRL	NS	NS	<20	NS	NS	<4.0	NS	<2.0	BRL	**180**	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0
	10/26/11	**260**	<2.0	<2.0	48	<2.0	NS	<2.0	<2.0	<40	<2.0	<4.0	NS	<2.0	<2.0	NS	<2.0	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	NS	<6.0	<2.0	**140**	<2.0	<2.0	<2.0	5.1	<2.0	<3.0
	10/22/12	99	<0.50	0.67	29	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**560**	<0.50	<0.50	<0.50	1.9	<0.50	<3.0
	05/01/13	64	<0.50	<0.50	18	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**590**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
	10/29/13	39	<0.50	<0.50	11	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**230**	<0.50	<0.50	<0.50	0.62	<0.50	**9.8**
	06/06/14	27	<0.50	<0.50	8.4	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**760**	<0.50	<0.50	<0.50	2.2	<0.50	<3.0
	10/10/14	16	<0.50	<0.50	7.3	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**630**	<0.50	<0.50	<0.50	0.75	<0.50	<3.0
	04/08/15	10	<0.50	<0.50	3.7	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**700**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-22i	04/13/11	19	<0.5	<0.5	2.4	BRL	NS	<0.5	BRL	<10	<0.5	BRL	NS	<0.5	BRL	NS	<0.5	BRL	<0.5	NS	<1.0	BRL	NS	NS	<5.0	NS	NS	<1.0	NS	<0.5	BRL	**1.8**	<0.5	<0.5	<0.5	3.9	<0.5	<3.0
	10/26/11	35	<0.50	<0.50	4.0	<0.50	NS	<0.50	<0.50	<10	<0.50	<1.0	NS	<0.50	<0.50	NS	<0.50	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	NS	<1.5	<0.50	**0.94**	<0.50	<0.50	<0.50	2.8	<0.50	<3.0
MW-22s	10/18/12	34	**2.2**	**100**	340	<0.50	0.58	**2.6**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	4.6	<0.50	0.95	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**140**	2.2	<0.50	<0.50	5.6	<0.50	**760**
	04/30/13	50	**2.2**	**82**	120	<0.50	0.79	**2.1**	<0.50	<10	<0.50	1.0	<0.50	<0.50	<0.50	<0.50	4.0	1.7	0.53	<0.50	1.1	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**140**	1.2	<0.50	<0.50	87	<0.50	**360**
	10/29/13	18	**1.2**	**31**	78	<0.50	1.9	**1.3**	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**280**	1.1	<0.50	<0.50	70	<0.50	**400**
	06/06/14	25	**1.1**	**24**	50	<0.50	1.9	**1.2**	<0.50	16	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	3.2	0.70	<0.50	<0.50	<1.0	<0.50	<200	<1.0	0.99 J	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**250**	0.96	<0.50	<0.50	98	<0.50	**280**
	10/10/14	29	**1.4**	**26**	50	<0.50	3.3	**1.3**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	4.3	1.2	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**490**	1.3	<0.50	<0.50	130	<0.50	**570 Ab**
	04/08/15	4.9	**1.4**	**15**	64	<0.50	3.1	**1.6**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**370**	2.1	<0.50	<0.50	43	<0.50	**600**
MW-23s	10/18/12	54	<25	**260**	<25	<25	<25	<25	<25	520	<25	**290**	<25	<25	<25	<25	<25	**1,700**	<25	<25	<50	<25	**20,000**	<50	<250	<50	<100	<50	NS	<75	<25	**34**	<25	<25	<25	68	<25	**110**
	04/30/13	24	**1.2**	**120**	21	<0.50	<0.50	**0.99**	<0.50	<10	<0.50	0.53 J	<0.50	<0.50	<0.50	<0.50	<0.50	**17**	0.70	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**15**	<0.50	<0.50	<0.50	40	<0.50	**70**
	04/30/13**	25	**1.3**	**120**	22	<0.50	<0.50	**1.1**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	**18**	0.68	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**15**	<0.50	<0.50	<0.50	40	<0.50	**74**
	10/29/13	34	**1.3**	**200**	69	<0.50	<0.50	**1.6**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	1.2	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**29**	0.79	<0.50	<0.50	23	**0.98**	**220**
	06/06/14	32	**1.4**	**210**	68	<0.50	<0.50	**1.4**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	2.5	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**22**	0.63	<0.50	<0.50	23	**2.6**	**140**
	10/10/14	31	**1.5**	**170**	65	<0.50	<0.50	**1.3**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	0.70 J	<0.50	<200	<1.0	<5.0	<1.0	<3.0	<1.0	<0.50	<1.5	<0.50	**27**	0.80	<0.50	<0.50	24	**2.1**	**140**
	04/08/15	29	**1.3**	**180**	77	<0.50	<0.50	**1.0**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	1.1	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<0.50	<1.5	<0.50	**24**	0.69	<0.50	<0.50	17	**1.4**	**180**
MW-24s	10/18/12	35	**2.6**	**110**	<0.50	<0.50	<0.50	**4.1**	<0.50	190	**1.2**	83	2.5	<0.50	<0.50	1.0	8.2	**120**	<0.50	4.5	1.5	<0.50	930	2.0	6.3	0.75 J	1.4 J	<1.0	NS	<1.5	<0.50	**5.3**	<0.50	<0.50	<0.50	18	<0.50	**350**
	04/30/13	14	**0.69**	**33**	<0.50	<0.50	<0.50	**1.6**	<0.50	320	**1.4**	14	<0.50	<0.50	<0.50	<0.50	3.5	**62**	<0.50	<0.50	<1.0	<0.50	<200	<1.0	24	0.66 J	2.8	<1.0	NS	<1.5	<0.50	**1.2**	<0.50	<0.50	<0.50	91	<0.50	**150**
	10/29/13	14	**0.75**	**32**	<0.50	<0.50	<0.50	**1.7**	<0.50	270	**1.9**	14	<0.50	<0.50	<0.50	<0.50	3.6	**33**	<0.50	<0.50	0.67	<0.50	<200	<1.0	18	<1.0	1.7	<1.0	NS	<1.5	<0.50	**1.2**	<0.50	<0.50	<0.50	72	<0.50	**210**
	06/06/14	20	**0.65**	**29**	2.3	<0.50	<0.50	**1.5**	<0.50	190	**1.4**	8.5	<0.50	<0.50	<0.50	1.4	2.8	**31**	<0.50	<0.50	2.7	<0.50	<200	<1.0	8.7	<1.0	4.2	<1.0	NS	<1.5	<0.50	**3.2**	<0.50	<0.50	<0.50	87	<0.50	**320**
	10/10/14	20	**0.74**	**29**	2.6	<0.50	<0.50	**1.5**	<0.50	160	**1.4**	0.64 J	<0.50	<0.50	<0.50	<0.50	3.0	**23**	<0.50	<0.50	1.0	<0.50	<200	<1.0	7.3	<1.0	4.9	<1.0	<0.50	<1.5	<0.50	**3.2**	<0.50	<0.50	<0.50	79	<0.50	**270**
	04/08/15	26	0.57	**22**	3.2	<0.50	<0.50	**1.1**	<0.50	39	0.97	3.4	<0.50	<0.50	<0.50	<0.50	2.2	**9.9**	<0.50	<0.50	1.8	<0.50	<200	<1.0	<5.0	<1.0	**5.5**	<1.0	<0.50	<1.5	<0.50	**6.7**	<0.50	<0.50	<0.50	100	<0.50	**390**
	04/08/15**	27	**0.70**	**22**	3.5	<0.50	<0.50	**1.1**	<0.50	40	0.93	3.7	<0.50	<0.50	<0.50	<0.50	2.3	**10**	<0.50	<0.50	1.9	<0.50	<200	<1.0	<5.0	<1.0	**5.6**	<1.0	<0.50	<1.5	<0.50	**6.7**	<0.50	<0.50	<0.50	99	<0.50	**350**
MW-24d	10/18/12	110	<0.50	**50**	28	<0.50	<0.50	**0.59**	<0.50	4.3 J	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	**7.2**	0.89	<0.50	3.2	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**20**	<0.50	<0.50	<0.50	10	<0.50	**30**
	05/01/13	**310**	**1.4**	**120**	88	<0.50	<0.50	**1.7**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	0.59	0.78	**31**	1.8	<0.50	5.7	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**48**	0.67	<0.50	<0.50	58	<0.50	**69**
	10/29/13	55	<0.50	**35**	4.8	<0.50	<0.50	**0.59**	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<0.50	0.94	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**8.4**	<0.50	<0.50	<0.50	6.4	<0.50	**35**
	06/06/14	190	**0.83**	**60**	7.5	<0.50	<0.50	**2.4**	<0.50	76	<0.50	8.8	8.6	<0.50	<0.50	2.5	0.78	**350**	<0.50	4.4	4.2	<0.50	<200	<1.0	<5.0	<1.0	2.6	<1.0	NS	<1.5	<0.50	**11**	<0.50	<0.50	<0.50	87	<0.50	**30**
	10/15/14	91	<0.50	**40**	4.5	<0.50	<0.50	**1.1**	<0.50	54	<0.50	13	9.9	<0.50	<0.50	1.5	0.54	**180**	<0.50	5.2	<1.0	<0.50	<200	<1.0	<5.0	<1.0	2.2	<1.0	<0.50	<1.5	<0.50	**6.6**	<0.50	<0.50	<0.50	54	<0.50	**41**
	04/08/15	84	<0.50	**32**	5.4	<0.50	<0.50	<0.50	<0.50	21	<0.50	5.7	7.2	<0.50	<0.50	<0.50	<0.50	**61**	<0.50	5.3	1.4	<0.50	<200	<1.0	<5.0	<1.0	2.1	<1.0	<0.50	<1.5	<0.50	**8.1**	<0.50	<0.50	<0.50	47	<0.50	**31**
MW-25	10/29/13	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	NS	<1.5	<0.50	**15**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0

Notes:
ug/L - micrograms per liter
BRL - Below Reporting Limit.
NA - Not analyzed for constituent
NS - Not sampled
E - Estimate value, calib. range was exceeded
J - Estimated value below laboratory PQL.
*Denotes Interim Maximum Allowable Concentration (IMAC)
** Denotes duplicate sample
Bold results indicate exceedance of the 2L Standard or IMAC

Table 3
April 2015 Groundwater Analytical Data
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date Sampled	1,1,1-TCA (ug/l)	1,1,2-TCA (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	1,2-Dichlorobenzene (ug/l)	1,2-DCA (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Bromomethane (ug/l)	Bromochloromethane (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	cis-1,2-DCE (ug/l)	Dibromomethane (ug/l)	Dichlorodifluoromethane (ug/l)	Methylene Chloride (ug/l)	PCE (ug/l)	TCE (ug/l)	Toluene (ug/l)	Trichlorofluoromethane (ug/l)	Vinyl Chloride (ug/l)	Total VOCs (excluding 1,4-Dioxane) (ug/l)	1,4-Dioxane (ug/l)
NC 2L Standard		**200**	**0.6***	**6**	**350**	**20**	**0.4**	**6,000**	**1**	**10***	**NE**	**70**	**3**	**70**	**70**	**1,000**	**5**	**0.7**	**3**	**600**	**2,000**	**0.03**	**NA**	**3**
MW-2dr	04/08/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	0.0	<3.0
MW-2s	04/08/15	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**16**	<0.50	<0.50	1.1	<0.50	19.8	<3.0
MW-3d	04/07/15	14	<0.50	2	2.1	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**1.2**	<0.50	<0.50	2.8	<0.50	22.1	<3.0
MW-3s	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	1.0	<0.50	<0.50	<0.50	1.0	**25**
MW-4d	04/08/15	160	<0.50	**10**	90	<0.50	<0.50	<10	<0.50	<1.0	<0.50	0.52	1.2	<0.50	<0.50	<1.0	<2.0	**1400**	1.2	<0.50	21	<0.50	1683.9	**8.9**
MW-4s	04/08/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**6**	<0.50	<0.50	<0.50	<0.50	6.0	**3.1**
MW-12s	04/08/15	<0.50	<0.50	<0.50	0.84	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**2.7**	<0.50	<0.50	<0.50	<0.50	3.5	**6**
MW-5sk	04/07/15	<0.50	<0.50	0.86	2.4	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	10	<0.50	<1.0	<2.0	<0.50	**3.4**	<0.50	<0.50	**1.3**	18.0	<3.0
MW-9dk	04/07/15	8.2	<0.50	4.6	28	<0.50	<0.50	<10	<0.50	<1.0	<0.50	0.77	<0.50	<0.50	<0.50	<1.0	<2.0	**34**	**7.9**	<0.50	4.4	<0.50	87.9	**23**
MW-9sk	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	0.0	<3.0
MW-12dk	04/07/15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	5.2	<0.50	<0.50	5.2	<3.0
MW-18i	04/08/15	2.6	<0.50	0.64	7.8	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**56**	<0.50	<0.50	3.4	<0.50	70.4	**29**
MW-19i	04/08/15	<0.50	<0.50	**13**	79	<0.50	**0.56**	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**37**	**3.2**	<0.50	<0.50	<0.50	132.8	**53**
MW-21i	04/08/15	10	<0.50	<0.50	3.7	<0.50	<0.50	<10	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	**700**	<0.50	<0.50	<0.50	<0.50	713.7	<3.0
MW-22s	04/08/15	4.9	**1.4**	**15**	64	3.1	**1.6**	<10	<0.50	<1.0	<0.50	4.2	<0.50	<0.50	<0.50	<1.0	<2.0	**370**	2.1	<0.50	43	<0.50	509.3	**600**
MW-23s	04/08/15	29	**1.3**	**180**	77	<0.50	**1.0**	<10	<0.50	<1.0	<0.50	<0.50	<0.50	1.2	<0.50	1.1	<2.0	**24**	0.69	<0.50	17	**1.4**	333.7	**180**
MW-24s	04/08/15	26	0.57	**22**	3.2	<0.50	**1.1**	39	0.97	3.4	<0.50	2.2	**9.9**	<0.50	<0.50	1.8	**5.5**	**6.7**	<0.50	<0.50	100	<0.50	222.3	**390**
Dup-24s	04/08/15	27	**0.7**	**22**	3.5	<0.50	**1.1**	40	0.93	3.7	<0.50	2.3	**10**	<0.50	<0.50	1.9	**5.6**	**6.7**	<0.50	<0.50	99	<0.50	224.4	**350**
MW-24d	04/08/15	84	<0.50	**32**	5.4	<0.50	<0.50	21	<0.50	5.7	7.2	<0.50	**61**	<0.50	5.3	1.4	2.1	**8.1**	<0.50	<0.50	47	<0.50	280.2	**31**

Notes:
ug/L - micrograms per liter
< ## - Analyte not detected at or above laboratory reporting limit
* Denotes Interim Maximum Allowable Concentration (IMAC)
Bold results indicate exceedance of the 2L Standard or IMAC
NA - Not Applicable
NE - Not Established
BRL - Below laboratory reporting limits

Table 4
Monitoring Optimization Results
Former Alcatel Facility
Raleigh, North Carolina

Well	Aquifer	Wells Identified as Spatially Redundant		Recommended Sampling Frequency (Individual Wells)		Recommended Network Sampling Frequency	
		PCE	1,4-Dioxane	PCE	1,4-Dioxane	PCE	1,4-Dioxane
MW-12s	Unconsolidated	X		Biennial	Biennial	Biennial	Annual
MW-18i	Unconsolidated	X	X	Biennial	Quarterly	Biennial	Annual
MW-19i	Unconsolidated	X	X	Semi Annual	Semi Annual	Biennial	Annual
MW-21i	Unconsolidated			Quarterly	Biennial	Biennial	Annual
MW-22s	Unconsolidated	X		Quarterly	Biennial	Biennial	Annual
MW-23s	Unconsolidated			Biennial	Quarterly	Biennial	Annual
MW-24s	Unconsolidated			Semi Annual	Quarterly	Biennial	Annual
MW-2s	Unconsolidated			Quarterly	Biennial	Biennial	Annual
MW-3s	Unconsolidated			Biennial	Biennial	Biennial	Annual
MW-4s	Unconsolidated			Biennial	Biennial	Biennial	Annual
MW-5sk	Unconsolidated			Biennial	Biennial	Biennial	Annual
MW-9sk	Unconsolidated			Biennial	Biennial	Biennial	Annual
MW-12dk	Bedrock			Biennial	Biennial	5 Years	Annual
MW-24d	Bedrock			Biennial	Biennial	5 Years	Annual
MW-2dr	Bedrock			Biennial	Biennial	5 Years	Annual
MW-3d	Bedrock			Biennial	Biennial	5 Years	Annual
MW-4d	Bedrock			Quarterly	Biennial	5 Years	Annual
MW-9dk	Bedrock			Quarterly	Semi Annual	5 Years	Annual

Notes:
PCE = Tetrachloroethylene
Analysis performed using MAROS Version 3.0, Release 352, by GSI Environmental, Inc

APPENDIX A

LABORATORY ANALYTICAL REPORT

Amec Foster Wheeler Environment & Infrastructure, Inc.
4021 Stirrup Creek Drive, Suite 100
Durham, North Carolina 27703
Licensure: NC Engineering F-1253; NC Geology C-247

Tel – (919) 381-9900
Fax – (919) 381-9901
www.amecfw.com

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

Case Narrative

04/22/2015

AMEC Foster Wheeler (Durham)
Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Lab Submittal Date: 04/10/2015
Prism Work Order: 5040160

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

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

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

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

04/22/2015

Prism Work Order: 5040160

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-2s	5040160-01	Water	04/08/15	04/10/15
MW-2dr	5040160-02	Water	04/08/15	04/10/15
MW-3s	5040160-03	Water	04/07/15	04/10/15
MW-3d	5040160-04	Water	04/07/15	04/10/15
MW-4s	5040160-05	Water	04/08/15	04/10/15
MW-4d	5040160-06	Water	04/08/15	04/10/15
MW-5sk	5040160-07	Water	04/07/15	04/10/15
MW-9sk	5040160-08	Water	04/07/15	04/10/15
MW-9dk	5040160-09	Water	04/07/15	04/10/15
MW-12s	5040160-10	Water	04/08/15	04/10/15
MW-12dk	5040160-11	Water	04/07/15	04/10/15
MW-18i	5040160-12	Water	04/08/15	04/10/15
MW-19i	5040160-13	Water	04/08/15	04/10/15
MW-21i	5040160-14	Water	04/08/15	04/10/15
MW-22s	5040160-15	Water	04/08/15	04/10/15
MW-23s	5040160-16	Water	04/08/15	04/10/15
MW-24s	5040160-17	Water	04/08/15	04/10/15
Dup-24s	5040160-18	Water	04/08/15	04/10/15
MW-24d	5040160-19	Water	04/08/15	04/10/15
Trip Blank	5040160-20	Water	04/08/15	04/10/15

Samples were received in good condition at 2.6 degrees C unless otherwise noted.

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Summary of Detections

04/22/2015

Prism Work Order: 5040160

Prism ID	Client ID	Parameter	Method	Result	Units
5040160-01	MW-2s	1,1,1-Trichloroethane	SM6200 B	2.7	ug/L
5040160-01	MW-2s	Tetrachloroethylene	SM6200 B	16	ug/L
5040160-01	MW-2s	Trichlorofluoromethane	SM6200 B	1.1	ug/L
5040160-01	MW-2s	1,4-Dioxane	8260B SIM	0.91	ug/L
5040160-02	MW-2dr	1,4-Dioxane	8260B SIM	0.65	ug/L
5040160-03	MW-3s	Trichloroethylene	SM6200 B	1.0	ug/L
5040160-03	MW-3s	1,4-Dioxane	8260B SIM	25	ug/L
5040160-04	MW-3d	1,1,1-Trichloroethane	SM6200 B	14	ug/L
5040160-04	MW-3d	1,1-Dichloroethane	SM6200 B	2.0	ug/L
5040160-04	MW-3d	1,1-Dichloroethylene	SM6200 B	2.1	ug/L
5040160-04	MW-3d	Tetrachloroethylene	SM6200 B	1.2	ug/L
5040160-04	MW-3d	Trichlorofluoromethane	SM6200 B	2.8	ug/L
5040160-04	MW-3d	1,4-Dioxane	8260B SIM	1.6	ug/L
5040160-05	MW-4s	Tetrachloroethylene	SM6200 B	6.0	ug/L
5040160-05	MW-4s	1,4-Dioxane	8260B SIM	3.1	ug/L
5040160-06	MW-4d	1,1,1-Trichloroethane	SM6200 B	160	ug/L
5040160-06	MW-4d	1,1-Dichloroethane	SM6200 B	10	ug/L
5040160-06	MW-4d	1,1-Dichloroethylene	SM6200 B	90	ug/L
5040160-06	MW-4d	Chloroform	SM6200 B	0.52	ug/L
5040160-06	MW-4d	Chloromethane	SM6200 B	1.2	ug/L
5040160-06	MW-4d	Tetrachloroethylene	SM6200 B	1400	ug/L
5040160-06	MW-4d	Trichloroethylene	SM6200 B	1.2	ug/L
5040160-06	MW-4d	Trichlorofluoromethane	SM6200 B	21	ug/L
5040160-06	MW-4d	1,4-Dioxane	8260B SIM	8.9	ug/L
5040160-07	MW-5sk	1,1-Dichloroethane	SM6200 B	0.86	ug/L
5040160-07	MW-5sk	1,1-Dichloroethylene	SM6200 B	2.4	ug/L
5040160-07	MW-5sk	cis-1,2-Dichloroethylene	SM6200 B	10	ug/L
5040160-07	MW-5sk	Trichloroethylene	SM6200 B	3.4	ug/L
5040160-07	MW-5sk	Vinyl chloride	SM6200 B	1.3	ug/L
5040160-07	MW-5sk	1,4-Dioxane	8260B SIM	2.5	ug/L
5040160-08	MW-9sk	1,4-Dioxane	8260B SIM	0.52	ug/L
5040160-09	MW-9dk	1,1,1-Trichloroethane	SM6200 B	8.2	ug/L
5040160-09	MW-9dk	1,1-Dichloroethane	SM6200 B	4.6	ug/L
5040160-09	MW-9dk	1,1-Dichloroethylene	SM6200 B	28	ug/L
5040160-09	MW-9dk	Chloroform	SM6200 B	0.77	ug/L
5040160-09	MW-9dk	Tetrachloroethylene	SM6200 B	34	ug/L
5040160-09	MW-9dk	Trichloroethylene	SM6200 B	7.9	ug/L
5040160-09	MW-9dk	Trichlorofluoromethane	SM6200 B	4.4	ug/L
5040160-09	MW-9dk	1,4-Dioxane	8260B SIM	23	ug/L
5040160-10	MW-12s	1,1-Dichloroethylene	SM6200 B	0.84	ug/L
5040160-10	MW-12s	Tetrachloroethylene	SM6200 B	2.7	ug/L
5040160-10	MW-12s	1,4-Dioxane	8260B SIM	6.0	ug/L
5040160-11	MW-12dk	Toluene	SM6200 B	5.2	ug/L
5040160-11	MW-12dk	1,4-Dioxane	8260B SIM	1.2	ug/L

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Summary of Detections

04/22/2015

Prism Work Order: 5040160

Prism ID	Client ID	Parameter	Method	Result	Units
5040160-12	MW-18i	1,1,1-Trichloroethane	SM6200 B	2.6	ug/L
5040160-12	MW-18i	1,1-Dichloroethane	SM6200 B	0.64	ug/L
5040160-12	MW-18i	1,1-Dichloroethylene	SM6200 B	7.8	ug/L
5040160-12	MW-18i	Tetrachloroethylene	SM6200 B	56	ug/L
5040160-12	MW-18i	Trichlorofluoromethane	SM6200 B	3.4	ug/L
5040160-12	MW-18i	1,4-Dioxane	8260B SIM	29	ug/L
5040160-13	MW-19i	1,1-Dichloroethane	SM6200 B	13	ug/L
5040160-13	MW-19i	1,1-Dichloroethylene	SM6200 B	79	ug/L
5040160-13	MW-19i	1,2-Dichloroethane	SM6200 B	0.56	ug/L
5040160-13	MW-19i	Tetrachloroethylene	SM6200 B	37	ug/L
5040160-13	MW-19i	Trichloroethylene	SM6200 B	3.2	ug/L
5040160-13	MW-19i	1,4-Dioxane	8260B SIM	53	ug/L
5040160-14	MW-21i	1,1,1-Trichloroethane	SM6200 B	10	ug/L
5040160-14	MW-21i	1,1-Dichloroethylene	SM6200 B	3.7	ug/L
5040160-14	MW-21i	Tetrachloroethylene	SM6200 B	700	ug/L
5040160-14	MW-21i	1,4-Dioxane	8260B SIM	1.3	ug/L
5040160-15	MW-22s	1,1,1-Trichloroethane	SM6200 B	4.9	ug/L
5040160-15	MW-22s	1,1,2-Trichloroethane	SM6200 B	1.4	ug/L
5040160-15	MW-22s	1,1-Dichloroethane	SM6200 B	15	ug/L
5040160-15	MW-22s	1,1-Dichloroethylene	SM6200 B	64	ug/L
5040160-15	MW-22s	1,2-Dichlorobenzene	SM6200 B	3.1	ug/L
5040160-15	MW-22s	1,2-Dichloroethane	SM6200 B	1.6	ug/L
5040160-15	MW-22s	Chloroform	SM6200 B	4.2	ug/L
5040160-15	MW-22s	Tetrachloroethylene	SM6200 B	370	ug/L
5040160-15	MW-22s	Trichloroethylene	SM6200 B	2.1	ug/L
5040160-15	MW-22s	Trichlorofluoromethane	SM6200 B	43	ug/L
5040160-15	MW-22s	1,4-Dioxane	8260B SIM	600	ug/L
5040160-16	MW-23s	1,1,1-Trichloroethane	SM6200 B	29	ug/L
5040160-16	MW-23s	1,1,2-Trichloroethane	SM6200 B	1.3	ug/L
5040160-16	MW-23s	1,1-Dichloroethane	SM6200 B	180	ug/L
5040160-16	MW-23s	1,1-Dichloroethylene	SM6200 B	77	ug/L
5040160-16	MW-23s	1,2-Dichloroethane	SM6200 B	1.0	ug/L
5040160-16	MW-23s	cis-1,2-Dichloroethylene	SM6200 B	1.2	ug/L
5040160-16	MW-23s	Dichlorodifluoromethane	SM6200 B	1.1	ug/L
5040160-16	MW-23s	Tetrachloroethylene	SM6200 B	24	ug/L
5040160-16	MW-23s	Trichloroethylene	SM6200 B	0.69	ug/L
5040160-16	MW-23s	Trichlorofluoromethane	SM6200 B	17	ug/L
5040160-16	MW-23s	Vinyl chloride	SM6200 B	1.4	ug/L
5040160-16	MW-23s	1,4-Dioxane	8260B SIM	180	ug/L
5040160-17	MW-24s	1,1,1-Trichloroethane	SM6200 B	26	ug/L
5040160-17	MW-24s	1,1,2-Trichloroethane	SM6200 B	0.57	ug/L
5040160-17	MW-24s	1,1-Dichloroethane	SM6200 B	22	ug/L
5040160-17	MW-24s	1,1-Dichloroethylene	SM6200 B	3.2	ug/L
5040160-17	MW-24s	1,2-Dichloroethane	SM6200 B	1.1	ug/L
5040160-17	MW-24s	Acetone	SM6200 B	39	ug/L

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Summary of Detections

04/22/2015

Prism Work Order: 5040160

Prism ID	Client ID	Parameter	Method	Result	Units
5040160-17	MW-24s	Benzene	SM6200 B	0.97	ug/L
5040160-17	MW-24s	Bromomethane	SM6200 B	3.4	ug/L
5040160-17	MW-24s	Chloroform	SM6200 B	2.2	ug/L
5040160-17	MW-24s	Chloromethane	SM6200 B	9.9	ug/L
5040160-17	MW-24s	Dichlorodifluoromethane	SM6200 B	1.8	ug/L
5040160-17	MW-24s	Methylene Chloride	SM6200 B	5.5	ug/L
5040160-17	MW-24s	Tetrachloroethylene	SM6200 B	6.7	ug/L
5040160-17	MW-24s	Trichlorofluoromethane	SM6200 B	100	ug/L
5040160-17	MW-24s	1,4-Dioxane	8260B SIM	390	ug/L
5040160-18	Dup-24s	1,1,1-Trichloroethane	SM6200 B	27	ug/L
5040160-18	Dup-24s	1,1,2-Trichloroethane	SM6200 B	0.70	ug/L
5040160-18	Dup-24s	1,1-Dichloroethane	SM6200 B	22	ug/L
5040160-18	Dup-24s	1,1-Dichloroethylene	SM6200 B	3.5	ug/L
5040160-18	Dup-24s	1,2-Dichloroethane	SM6200 B	1.1	ug/L
5040160-18	Dup-24s	Acetone	SM6200 B	40	ug/L
5040160-18	Dup-24s	Benzene	SM6200 B	0.93	ug/L
5040160-18	Dup-24s	Bromomethane	SM6200 B	3.7	ug/L
5040160-18	Dup-24s	Chloroform	SM6200 B	2.3	ug/L
5040160-18	Dup-24s	Chloromethane	SM6200 B	10	ug/L
5040160-18	Dup-24s	Dichlorodifluoromethane	SM6200 B	1.9	ug/L
5040160-18	Dup-24s	Methylene Chloride	SM6200 B	5.6	ug/L
5040160-18	Dup-24s	Tetrachloroethylene	SM6200 B	6.7	ug/L
5040160-18	Dup-24s	Trichlorofluoromethane	SM6200 B	99	ug/L
5040160-18	Dup-24s	1,4-Dioxane	8260B SIM	350	ug/L
5040160-19	MW-24d	1,1,1-Trichloroethane	SM6200 B	84	ug/L
5040160-19	MW-24d	1,1-Dichloroethane	SM6200 B	32	ug/L
5040160-19	MW-24d	1,1-Dichloroethylene	SM6200 B	5.4	ug/L
5040160-19	MW-24d	Acetone	SM6200 B	21	ug/L
5040160-19	MW-24d	Bromochloromethane	SM6200 B	7.2	ug/L
5040160-19	MW-24d	Bromomethane	SM6200 B	5.7	ug/L
5040160-19	MW-24d	Chloromethane	SM6200 B	61	ug/L
5040160-19	MW-24d	Dibromomethane	SM6200 B	5.3	ug/L
5040160-19	MW-24d	Dichlorodifluoromethane	SM6200 B	1.4	ug/L
5040160-19	MW-24d	Methylene Chloride	SM6200 B	2.1	ug/L
5040160-19	MW-24d	Tetrachloroethylene	SM6200 B	8.1	ug/L
5040160-19	MW-24d	Trichlorofluoromethane	SM6200 B	47	ug/L
5040160-19	MW-24d	1,4-Dioxane	8260B SIM	31	ug/L
5040160-20	Trip Blank	1,4-Dioxane	8260B SIM	0.66	ug/L

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-2s
Prism Sample ID: 5040160-01
Prism Work Order: 5040160
Time Collected: 04/08/15 09:56
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,1,1-Trichloroethane	**2.7**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 14:27**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 14:27	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-2s
Prism Sample ID: 5040160-01
Prism Work Order: 5040160
Time Collected: 04/08/15 09:56
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Tetrachloroethylene	**16**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 14:27**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Trichlorofluoromethane	**1.1**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 14:27**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 14:27	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 14:27	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*111 %*	*70-130*
Dibromofluoromethane	*116 %*	*70-130*
Toluene-d8	*115 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**0.91**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 7:20**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-2dr
Prism Sample ID: 5040160-02
Prism Work Order: 5040160
Time Collected: 04/08/15 09:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 14:53	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-2dr
Prism Sample ID: 5040160-02
Prism Work Order: 5040160
Time Collected: 04/08/15 09:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 14:53	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 14:53	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*119 %*	*70-130*
Toluene-d8	*115 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**0.65**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 7:53**	**CGP**	**P5D0258**

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

AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-3s
Prism Sample ID: 5040160-03
Prism Work Order: 5040160
Time Collected: 04/07/15 16:55
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 15:19	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-3s
Prism Sample ID: 5040160-03
Prism Work Order: 5040160
Time Collected: 04/07/15 16:55
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Trichloroethylene	**1.0**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 15:19**	**VHL**	**P5D0205**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 15:19	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 15:19	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*107 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*111 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**25**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 4:04**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-3d
Prism Sample ID: 5040160-04
Prism Work Order: 5040160
Time Collected: 04/07/15 16:52
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,1,1-Trichloroethane	**14**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 15:46**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,1-Dichloroethane	**2.0**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 15:46**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**2.1**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 15:46**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 15:46	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-3d
Prism Sample ID: 5040160-04
Prism Work Order: 5040160
Time Collected: 04/07/15 16:52
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Tetrachloroethylene	**1.2**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 15:46**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Trichlorofluoromethane	**2.8**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 15:46**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 15:46	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 15:46	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*109 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*110 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**1.6**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 4:37**	**CGP**	**P5D0258**

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-4s
Prism Sample ID: 5040160-05
Prism Work Order: 5040160
Time Collected: 04/08/15 12:06
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 16:12	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-4s
Prism Sample ID: 5040160-05
Prism Work Order: 5040160
Time Collected: 04/08/15 12:06
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Tetrachloroethylene	**6.0**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 16:12**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 16:12	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 16:12	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*110 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**3.1**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 8:26**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-4d
Prism Sample ID: 5040160-06
Prism Work Order: 5040160
Time Collected: 04/08/15 12:00
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,1,1-Trichloroethane	**160**	**ug/L**	**10**	**1.2**	**20**	**SM6200 B**	**4/14/15 17:03**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,1-Dichloroethane	**10**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**90**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Chloroform	**0.52**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
Chloromethane	**1.2**	**ug/L**	**0.50**	**0.079**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 16:37	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-4d
Prism Sample ID: 5040160-06
Prism Work Order: 5040160
Time Collected: 04/08/15 12:00
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Tetrachloroethylene	**1400**	**ug/L**	**10**	**2.0**	**20**	**SM6200 B**	**4/14/15 17:03**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Trichloroethylene	**1.2**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
Trichlorofluoromethane	**21**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 16:37**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 16:37	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 16:37	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*115 %*	*70-130*
Toluene-d8	*112 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**8.9**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 13:45**	**CGP**	**P5D0258**

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-5sk
Prism Sample ID: 5040160-07
Prism Work Order: 5040160
Time Collected: 04/07/15 12:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,1-Dichloroethane	**0.86**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 17:29**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**2.4**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 17:29**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
cis-1,2-Dichloroethylene	**10**	**ug/L**	**0.50**	**0.056**	**1**	**SM6200 B**	**4/14/15 17:29**	**VHL**	**P5D0205**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 17:29	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-5sk
Prism Sample ID: 5040160-07
Prism Work Order: 5040160
Time Collected: 04/07/15 12:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Trichloroethylene	**3.4**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 17:29**	**VHL**	**P5D0205**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 17:29	VHL	P5D0205
Vinyl chloride	**1.3**	**ug/L**	**0.50**	**0.097**	**1**	**SM6200 B**	**4/14/15 17:29**	**VHL**	**P5D0205**
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 17:29	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*114 %*	*70-130*
Toluene-d8	*112 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**2.5**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 5:10**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-9sk
Prism Sample ID: 5040160-08
Prism Work Order: 5040160
Time Collected: 04/07/15 14:55
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 17:55	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-9sk
Prism Sample ID: 5040160-08
Prism Work Order: 5040160
Time Collected: 04/07/15 14:55
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 17:55	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 17:55	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*116 %*	*70-130*
Toluene-d8	*114 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**0.52**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 5:42**	**CGP**	**P5D0258**

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-9dk
Prism Sample ID: 5040160-09
Prism Work Order: 5040160
Time Collected: 04/07/15 14:54
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,1,1-Trichloroethane	**8.2**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,1-Dichloroethane	**4.6**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**28**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Chloroform	**0.77**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 18:21	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-9dk
Prism Sample ID: 5040160-09
Prism Work Order: 5040160
Time Collected: 04/07/15 14:54
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Tetrachloroethylene	**34**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Trichloroethylene	**7.9**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
Trichlorofluoromethane	**4.4**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 18:21**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 18:21	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 18:21	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*111 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**23**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 6:15**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-12s
Prism Sample ID: 5040160-10
Prism Work Order: 5040160
Time Collected: 04/08/15 11:02
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,1-Dichloroethylene	**0.84**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 18:47**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 18:47	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-12s
Prism Sample ID: 5040160-10
Prism Work Order: 5040160
Time Collected: 04/08/15 11:02
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Tetrachloroethylene	**2.7**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 18:47**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 18:47	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 18:47	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*112 %*	*70-130*
Dibromofluoromethane	*111 %*	*70-130*
Toluene-d8	*108 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**6.0**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 14:17**	**CGP**	**P5D0258**

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

AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-12dk
Prism Sample ID: 5040160-11
Prism Work Order: 5040160
Time Collected: 04/07/15 15:40
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 19:13	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-12dk
Prism Sample ID: 5040160-11
Prism Work Order: 5040160
Time Collected: 04/07/15 15:40
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Toluene	**5.2**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**4/14/15 19:13**	**VHL**	**P5D0205**
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 19:13	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 19:13	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*114 %*	*70-130*
Dibromofluoromethane	*116 %*	*70-130*
Toluene-d8	*115 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**1.2**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 6:48**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-18i
Prism Sample ID: 5040160-12
Prism Work Order: 5040160
Time Collected: 04/08/15 11:17
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,1,1-Trichloroethane	**2.6**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 19:40**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,1-Dichloroethane	**0.64**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 19:40**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**7.8**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 19:40**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 19:40	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-18i
Prism Sample ID: 5040160-12
Prism Work Order: 5040160
Time Collected: 04/08/15 11:17
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Tetrachloroethylene	**56**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 19:40**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Trichlorofluoromethane	**3.4**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 19:40**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 19:40	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 19:40	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*122 %*	*70-130*
Dibromofluoromethane	*118 %*	*70-130*
Toluene-d8	*113 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**29**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 14:50**	**CGP**	**P5D0258**

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

AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-19i
Prism Sample ID: 5040160-13
Prism Work Order: 5040160
Time Collected: 04/08/15 13:56
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,1-Dichloroethane	**13**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 20:06**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**79**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 20:06**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,2-Dichloroethane	**0.56**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 20:06**	**VHL**	**P5D0205**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 20:06	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-19i
Prism Sample ID: 5040160-13
Prism Work Order: 5040160
Time Collected: 04/08/15 13:56
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Tetrachloroethylene	**37**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 20:06**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Trichloroethylene	**3.2**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 20:06**	**VHL**	**P5D0205**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 20:06	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 20:06	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*118 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*111 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**53**	**ug/L**	**6.0**	**1.0**	**2**	**8260B SIM**	**4/21/15 15:23**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-21i
Prism Sample ID: 5040160-14
Prism Work Order: 5040160
Time Collected: 04/08/15 14:12
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,1,1-Trichloroethane	**10**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 20:31**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,1-Dichloroethylene	**3.7**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 20:31**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 20:31	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-21i
Prism Sample ID: 5040160-14
Prism Work Order: 5040160
Time Collected: 04/08/15 14:12
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Tetrachloroethylene	**700**	**ug/L**	**10**	**2.0**	**20**	**SM6200 B**	**4/15/15 20:45**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 20:31	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 20:31	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*117 %*	*70-130*
Dibromofluoromethane	*117 %*	*70-130*
Toluene-d8	*114 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**1.3**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 21:22**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-22s
Prism Sample ID: 5040160-15
Prism Work Order: 5040160
Time Collected: 04/08/15 14:38
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,1,1-Trichloroethane	**4.9**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,1,2-Trichloroethane	**1.4**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,1-Dichloroethane	**15**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**64**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,2-Dichlorobenzene	**3.1**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,2-Dichloroethane	**1.6**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Chloroform	**4.2**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 20:57	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-22s
Prism Sample ID: 5040160-15
Prism Work Order: 5040160
Time Collected: 04/08/15 14:38
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Tetrachloroethylene	**370**	**ug/L**	**10**	**2.0**	**20**	**SM6200 B**	**4/14/15 21:23**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Trichloroethylene	**2.1**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
Trichlorofluoromethane	**43**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 20:57**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 20:57	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 20:57	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*116 %*	*70-130*
Dibromofluoromethane	*115 %*	*70-130*
Toluene-d8	*113 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**600**	**ug/L**	**60**	**10**	**20**	**8260B SIM**	**4/21/15 17:01**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-23s
Prism Sample ID: 5040160-16
Prism Work Order: 5040160
Time Collected: 04/08/15 14:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,1,1-Trichloroethane	**29**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,1,2-Trichloroethane	**1.3**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
1,1-Dichloroethane	**180**	**ug/L**	**10**	**1.7**	**20**	**SM6200 B**	**4/15/15 3:21**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**77**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,2-Dichloroethane	**1.0**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
cis-1,2-Dichloroethylene	**1.2**	**ug/L**	**0.50**	**0.056**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Dichlorodifluoromethane	**1.1**	**ug/L**	**1.0**	**0.11**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 23:07	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
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Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-23s
Prism Sample ID: 5040160-16
Prism Work Order: 5040160
Time Collected: 04/08/15 14:58
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Tetrachloroethylene	**24**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Trichloroethylene	**0.69**	**ug/L**	**0.50**	**0.078**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
Trichlorofluoromethane	**17**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 23:07	VHL	P5D0205
Vinyl chloride	**1.4**	**ug/L**	**0.50**	**0.097**	**1**	**SM6200 B**	**4/14/15 23:07**	**VHL**	**P5D0205**
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 23:07	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*112 %*	*70-130*
Dibromofluoromethane	*116 %*	*70-130*
Toluene-d8	*114 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**180**	**ug/L**	**15**	**2.6**	**5**	**8260B SIM**	**4/21/15 17:33**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
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Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-24s
Prism Sample ID: 5040160-17
Prism Work Order: 5040160
Time Collected: 04/08/15 15:32
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,1,1-Trichloroethane	**26**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,1,2-Trichloroethane	**0.57**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
1,1-Dichloroethane	**22**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**3.2**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,2-Dichloroethane	**1.1**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Acetone	**39**	**ug/L**	**10**	**0.31**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Benzene	**0.97**	**ug/L**	**0.50**	**0.048**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Bromomethane	**3.4**	**ug/L**	**1.0**	**0.18**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Chloroform	**2.2**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Chloromethane	**9.9**	**ug/L**	**0.50**	**0.079**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Dichlorodifluoromethane	**1.8**	**ug/L**	**1.0**	**0.11**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**

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

AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-24s
Prism Sample ID: 5040160-17
Prism Work Order: 5040160
Time Collected: 04/08/15 15:32
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Methylene Chloride	**5.5**	**ug/L**	**2.0**	**0.083**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Tetrachloroethylene	**6.7**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 21:49**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Trichlorofluoromethane	**100**	**ug/L**	**5.0**	**0.62**	**10**	**SM6200 B**	**4/15/15 21:11**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 21:49	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 21:49	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*116 %*	*70-130*
Dibromofluoromethane	*113 %*	*70-130*
Toluene-d8	*110 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**390**	**ug/L**	**30**	**5.2**	**10**	**8260B SIM**	**4/21/15 18:06**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: Dup-24s
Prism Sample ID: 5040160-18
Prism Work Order: 5040160
Time Collected: 04/08/15 15:32
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,1,1-Trichloroethane	**27**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,1,2-Trichloroethane	**0.70**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
1,1-Dichloroethane	**22**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**3.5**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,2-Dichloroethane	**1.1**	**ug/L**	**0.50**	**0.066**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Acetone	**40**	**ug/L**	**10**	**0.31**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Benzene	**0.93**	**ug/L**	**0.50**	**0.048**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Bromomethane	**3.7**	**ug/L**	**1.0**	**0.18**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Chloroform	**2.3**	**ug/L**	**0.50**	**0.076**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Chloromethane	**10**	**ug/L**	**0.50**	**0.079**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Dichlorodifluoromethane	**1.9**	**ug/L**	**1.0**	**0.11**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: Dup-24s
Prism Sample ID: 5040160-18
Prism Work Order: 5040160
Time Collected: 04/08/15 15:32
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Methylene Chloride	**5.6**	**ug/L**	**2.0**	**0.083**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Tetrachloroethylene	**6.7**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 22:15**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Trichlorofluoromethane	**99**	**ug/L**	**5.0**	**0.62**	**10**	**SM6200 B**	**4/15/15 21:37**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 22:15	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 22:15	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*118 %*	*70-130*
Dibromofluoromethane	*115 %*	*70-130*
Toluene-d8	*113 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**350**	**ug/L**	**30**	**5.2**	**10**	**8260B SIM**	**4/21/15 18:39**	**CGP**	**P5D0258**

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-24d
Prism Sample ID: 5040160-19
Prism Work Order: 5040160
Time Collected: 04/08/15 15:54
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,1,1-Trichloroethane	**84**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,1-Dichloroethane	**32**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
1,1-Dichloroethylene	**5.4**	**ug/L**	**0.50**	**0.083**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Acetone	**21**	**ug/L**	**10**	**0.31**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Bromochloromethane	**7.2**	**ug/L**	**0.50**	**0.14**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Bromomethane	**5.7**	**ug/L**	**1.0**	**0.18**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Chloromethane	**61**	**ug/L**	**0.50**	**0.079**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Dibromomethane	**5.3**	**ug/L**	**0.50**	**0.065**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Dichlorodifluoromethane	**1.4**	**ug/L**	**1.0**	**0.11**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 23:33	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: MW-24d
Prism Sample ID: 5040160-19
Prism Work Order: 5040160
Time Collected: 04/08/15 15:54
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Methylene Chloride	**2.1**	**ug/L**	**2.0**	**0.083**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Tetrachloroethylene	**8.1**	**ug/L**	**0.50**	**0.098**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Trichlorofluoromethane	**47**	**ug/L**	**0.50**	**0.062**	**1**	**SM6200 B**	**4/14/15 23:33**	**VHL**	**P5D0205**
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 23:33	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 23:33	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*117 %*	*70-130*
Toluene-d8	*112 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**31**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 16:28**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5040160-20
Prism Work Order: 5040160
Time Collected: 04/08/15 00:00
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.40	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.13	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Acetone	BRL	ug/L	10	0.31	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Benzene	BRL	ug/L	0.50	0.048	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Bromobenzene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Bromochloromethane	BRL	ug/L	0.50	0.14	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Bromoform	BRL	ug/L	0.50	0.040	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Bromomethane	BRL	ug/L	1.0	0.18	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Chlorobenzene	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Chloroethane	BRL	ug/L	0.50	0.22	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Chloroform	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Chloromethane	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Dibromomethane	BRL	ug/L	0.50	0.065	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Ethanol	BRL	ug/L	200	27	1	SM6200 B	4/14/15 22:41	VHL	P5D0205

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater
Project No.: 6480155031
Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5040160-20
Prism Work Order: 5040160
Time Collected: 04/08/15 00:00
Time Submitted: 04/10/15 08:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.065	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.078	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Methylene Chloride	BRL	ug/L	2.0	0.083	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Naphthalene	BRL	ug/L	1.0	0.19	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
n-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
o-Xylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Styrene	BRL	ug/L	0.50	0.047	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Toluene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Trichloroethylene	BRL	ug/L	0.50	0.078	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Vinyl acetate	BRL	ug/L	5.0	0.060	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Vinyl chloride	BRL	ug/L	0.50	0.097	1	SM6200 B	4/14/15 22:41	VHL	P5D0205
Xylenes, total	BRL	ug/L	1.5	0.15	1	SM6200 B	4/14/15 22:41	VHL	P5D0205

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*116 %*	*70-130*
Dibromofluoromethane	*117 %*	*70-130*
Toluene-d8	*112 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**0.66**	**ug/L**	**3.0**	**0.52**	**1**	**8260B SIM**	**4/21/15 3:32**	**CGP**	**P5D0258**

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Blank (P5D0205-BLK1)				Prepared & Analyzed: 04/14/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	0.50	ug/L							
1,2,3-Trichloropropane	BRL	0.50	ug/L							
1,2,4-Trichlorobenzene	BRL	0.50	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chlorotoluene	BRL	0.50	ug/L							
4-Chlorotoluene	BRL	0.50	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	10	ug/L							
Benzene	BRL	0.50	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	0.50	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethanol	BRL	200	ug/L							
Ethylbenzene	BRL	0.50	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
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Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Blank (P5D0205-BLK1)				Prepared & Analyzed: 04/14/15						
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	1.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	1.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	0.50	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	5.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	1.5	ug/L							
Surrogate: 4-Bromofluorobenzene	*58.5*		*ug/L*	*50.00*		*117*	*70-130*			
Surrogate: Dibromofluoromethane	*60.8*		*ug/L*	*50.00*		*122*	*70-130*			
Surrogate: Toluene-d8	*59.8*		*ug/L*	*50.00*		*120*	*70-130*			
LCS (P5D0205-BS1)				Prepared & Analyzed: 04/14/15						
1,1,1,2-Tetrachloroethane	21.3	0.50	ug/L	20.00		107	70-130			
1,1,1-Trichloroethane	21.0	0.50	ug/L	20.00		105	70-130			
1,1,2,2-Tetrachloroethane	21.7	0.50	ug/L	20.00		108	70-130			
1,1,2-Trichloroethane	20.1	0.50	ug/L	20.00		100	70-130			
1,1-Dichloroethane	20.4	0.50	ug/L	20.00		102	70-130			
1,1-Dichloroethylene	21.5	0.50	ug/L	20.00		107	70-130			
1,1-Dichloropropylene	19.8	0.50	ug/L	20.00		99	70-130			
1,2,3-Trichlorobenzene	21.9	0.50	ug/L	20.00		110	70-130			
1,2,3-Trichloropropane	21.1	0.50	ug/L	20.00		106	70-130			
1,2,4-Trichlorobenzene	23.9	0.50	ug/L	20.00		119	70-130			
1,2,4-Trimethylbenzene	20.6	0.50	ug/L	20.00		103	70-130			
1,2-Dibromo-3-chloropropane	22.5	2.0	ug/L	20.00		113	70-130			
1,2-Dibromoethane	21.7	0.50	ug/L	20.00		108	70-130			
1,2-Dichlorobenzene	23.1	0.50	ug/L	20.00		116	70-130			
1,2-Dichloroethane	20.1	0.50	ug/L	20.00		101	70-130			
1,2-Dichloropropane	21.0	0.50	ug/L	20.00		105	70-130			
1,3,5-Trimethylbenzene	20.4	0.50	ug/L	20.00		102	70-130			
1,3-Dichlorobenzene	22.9	0.50	ug/L	20.00		114	70-130			
1,3-Dichloropropane	21.8	0.50	ug/L	20.00		109	70-130			
1,4-Dichlorobenzene	22.1	0.50	ug/L	20.00		110	70-130			

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
LCS (P5D0205-BS1)				Prepared & Analyzed: 04/14/15						
2,2-Dichloropropane	21.8	2.0	ug/L	20.00		109	70-130			
2-Chlorotoluene	20.4	0.50	ug/L	20.00		102	70-130			
4-Chlorotoluene	22.4	0.50	ug/L	20.00		112	70-130			
4-Isopropyltoluene	20.1	0.50	ug/L	20.00		100	70-130			
Acetone	41.4	10	ug/L	40.00		104	40-160			
Benzene	20.6	0.50	ug/L	20.00		103	70-130			
Bromobenzene	22.8	0.50	ug/L	20.00		114	70-130			
Bromochloromethane	19.3	0.50	ug/L	20.00		97	70-130			
Bromodichloromethane	18.7	0.50	ug/L	20.00		93	70-130			
Bromoform	19.6	0.50	ug/L	20.00		98	70-130			
Bromomethane	21.8	1.0	ug/L	20.00		109	60-140			
Carbon Tetrachloride	22.0	0.50	ug/L	20.00		110	70-130			
Chlorobenzene	21.3	0.50	ug/L	20.00		107	70-130			
Chloroethane	20.3	0.50	ug/L	20.00		102	60-140			
Chloroform	18.9	0.50	ug/L	20.00		94	70-130			
Chloromethane	20.0	0.50	ug/L	20.00		100	60-140			
cis-1,2-Dichloroethylene	21.1	0.50	ug/L	20.00		106	70-130			
cis-1,3-Dichloropropylene	21.7	0.50	ug/L	20.00		109	70-130			
Dibromochloromethane	19.8	0.50	ug/L	20.00		99	70-130			
Dibromomethane	20.1	0.50	ug/L	20.00		101	70-130			
Dichlorodifluoromethane	17.3	1.0	ug/L	20.00		87	60-140			
Ethanol	418	200	ug/L	500.0		84	60-140			
Ethylbenzene	21.5	0.50	ug/L	20.00		107	70-130			
Hexachlorobutadiene	24.5	2.0	ug/L	20.00		123	70-130			
Isopropyl Ether	19.2	0.50	ug/L	20.00		96	70-130			
Isopropylbenzene (Cumene)	22.2	0.50	ug/L	20.00		111	70-130			
m,p-Xylenes	45.3	1.0	ug/L	40.00		113	70-130			
Methyl Butyl Ketone (2-Hexanone)	21.2	1.0	ug/L	20.00		106	60-140			
Methyl Ethyl Ketone (2-Butanone)	21.1	5.0	ug/L	20.00		106	60-140			
Methyl Isobutyl Ketone	19.0	1.0	ug/L	20.00		95	60-140			
Methylene Chloride	20.2	2.0	ug/L	20.00		101	70-130			
Methyl-tert-Butyl Ether	21.3	1.0	ug/L	20.00		106	70-130			
Naphthalene	22.5	1.0	ug/L	20.00		112	70-130			
n-Butylbenzene	20.4	0.50	ug/L	20.00		102	70-130			
n-Propylbenzene	20.8	0.50	ug/L	20.00		104	70-130			
o-Xylene	19.5	0.50	ug/L	20.00		98	70-130			
sec-Butylbenzene	21.2	0.50	ug/L	20.00		106	70-130			
Styrene	19.6	0.50	ug/L	20.00		98	70-130			
tert-Butylbenzene	20.6	0.50	ug/L	20.00		103	70-130			
Tetrachloroethylene	23.2	0.50	ug/L	20.00		116	70-130			
Toluene	20.2	0.50	ug/L	20.00		101	70-130			
trans-1,2-Dichloroethylene	21.5	0.50	ug/L	20.00		108	70-130			
trans-1,3-Dichloropropylene	20.8	0.50	ug/L	20.00		104	70-130			
Trichloroethylene	20.6	0.50	ug/L	20.00		103	70-130			
Trichlorofluoromethane	19.2	0.50	ug/L	20.00		96	60-140			
Vinyl acetate	21.2	5.0	ug/L	20.00		106	60-140			

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
LCS (P5D0205-BS1)				Prepared & Analyzed: 04/14/15						
Vinyl chloride	19.9	0.50	ug/L	20.00		100	60-140			
Xylenes, total	64.8	1.5	ug/L	60.00		108	70-130			
Surrogate: 4-Bromofluorobenzene	*59.5*		*ug/L*	*50.00*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*58.3*		*ug/L*	*50.00*		*117*	*70-130*			
Surrogate: Toluene-d8	*61.5*		*ug/L*	*50.00*		*123*	*70-130*			
LCS Dup (P5D0205-BSD1)				Prepared & Analyzed: 04/14/15						
1,1,1,2-Tetrachloroethane	19.7	0.50	ug/L	20.00		99	70-130	8	20	
1,1,1-Trichloroethane	19.3	0.50	ug/L	20.00		97	70-130	8	20	
1,1,2,2-Tetrachloroethane	20.8	0.50	ug/L	20.00		104	70-130	4	20	
1,1,2-Trichloroethane	19.0	0.50	ug/L	20.00		95	70-130	6	20	
1,1-Dichloroethane	18.8	0.50	ug/L	20.00		94	70-130	8	20	
1,1-Dichloroethylene	19.5	0.50	ug/L	20.00		98	70-130	9	20	
1,1-Dichloropropylene	18.4	0.50	ug/L	20.00		92	70-130	7	20	
1,2,3-Trichlorobenzene	23.6	0.50	ug/L	20.00		118	70-130	7	20	
1,2,3-Trichloropropane	20.5	0.50	ug/L	20.00		103	70-130	3	20	
1,2,4-Trichlorobenzene	24.3	0.50	ug/L	20.00		121	70-130	2	20	
1,2,4-Trimethylbenzene	18.8	0.50	ug/L	20.00		94	70-130	9	20	
1,2-Dibromo-3-chloropropane	21.0	2.0	ug/L	20.00		105	70-130	7	20	
1,2-Dibromoethane	21.2	0.50	ug/L	20.00		106	70-130	2	20	
1,2-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	70-130	4	20	
1,2-Dichloroethane	18.8	0.50	ug/L	20.00		94	70-130	7	20	
1,2-Dichloropropane	19.1	0.50	ug/L	20.00		95	70-130	10	20	
1,3,5-Trimethylbenzene	18.5	0.50	ug/L	20.00		93	70-130	10	20	
1,3-Dichlorobenzene	21.5	0.50	ug/L	20.00		108	70-130	6	20	
1,3-Dichloropropane	20.5	0.50	ug/L	20.00		102	70-130	6	20	
1,4-Dichlorobenzene	20.6	0.50	ug/L	20.00		103	70-130	7	20	
2,2-Dichloropropane	19.7	2.0	ug/L	20.00		98	70-130	10	20	
2-Chlorotoluene	18.7	0.50	ug/L	20.00		94	70-130	9	20	
4-Chlorotoluene	20.6	0.50	ug/L	20.00		103	70-130	8	20	
4-Isopropyltoluene	18.3	0.50	ug/L	20.00		91	70-130	9	20	
Acetone	41.2	10	ug/L	40.00		103	40-160	0.5	20	
Benzene	19.2	0.50	ug/L	20.00		96	70-130	7	20	
Bromobenzene	21.2	0.50	ug/L	20.00		106	70-130	7	20	
Bromochloromethane	18.9	0.50	ug/L	20.00		95	70-130	2	20	
Bromodichloromethane	17.2	0.50	ug/L	20.00		86	70-130	8	20	
Bromoform	18.1	0.50	ug/L	20.00		90	70-130	8	20	
Bromomethane	20.4	1.0	ug/L	20.00		102	60-140	7	20	
Carbon Tetrachloride	20.6	0.50	ug/L	20.00		103	70-130	7	20	
Chlorobenzene	19.6	0.50	ug/L	20.00		98	70-130	9	20	
Chloroethane	18.4	0.50	ug/L	20.00		92	60-140	10	20	
Chloroform	17.5	0.50	ug/L	20.00		88	70-130	7	20	
Chloromethane	17.7	0.50	ug/L	20.00		89	60-140	12	20	
cis-1,2-Dichloroethylene	19.7	0.50	ug/L	20.00		99	70-130	7	20	
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20.00		102	70-130	6	20	
Dibromochloromethane	18.7	0.50	ug/L	20.00		93	70-130	6	20	
Dibromomethane	19.8	0.50	ug/L	20.00		99	70-130	2	20	

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
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Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
LCS Dup (P5D0205-BSD1)				Prepared & Analyzed: 04/14/15						
Dichlorodifluoromethane	15.8	1.0	ug/L	20.00		79	60-140	9	20	
Ethanol	362	200	ug/L	500.0		72	60-140	15	20	
Ethylbenzene	19.9	0.50	ug/L	20.00		100	70-130	7	20	
Hexachlorobutadiene	22.2	2.0	ug/L	20.00		111	70-130	10	20	
Isopropyl Ether	18.0	0.50	ug/L	20.00		90	70-130	6	20	
Isopropylbenzene (Cumene)	20.3	0.50	ug/L	20.00		101	70-130	9	20	
m,p-Xylenes	41.1	1.0	ug/L	40.00		103	70-130	10	20	
Methyl Butyl Ketone (2-Hexanone)	19.8	1.0	ug/L	20.00		99	60-140	7	20	
Methyl Ethyl Ketone (2-Butanone)	19.5	5.0	ug/L	20.00		97	60-140	8	20	
Methyl Isobutyl Ketone	18.0	1.0	ug/L	20.00		90	60-140	5	20	
Methylene Chloride	19.4	2.0	ug/L	20.00		97	70-130	4	20	
Methyl-tert-Butyl Ether	20.6	1.0	ug/L	20.00		103	70-130	3	20	
Naphthalene	23.8	1.0	ug/L	20.00		119	70-130	6	20	
n-Butylbenzene	18.8	0.50	ug/L	20.00		94	70-130	8	20	
n-Propylbenzene	18.7	0.50	ug/L	20.00		93	70-130	11	20	
o-Xylene	17.9	0.50	ug/L	20.00		89	70-130	9	20	
sec-Butylbenzene	18.9	0.50	ug/L	20.00		95	70-130	12	20	
Styrene	18.1	0.50	ug/L	20.00		90	70-130	8	20	
tert-Butylbenzene	18.7	0.50	ug/L	20.00		94	70-130	9	20	
Tetrachloroethylene	20.8	0.50	ug/L	20.00		104	70-130	11	20	
Toluene	19.0	0.50	ug/L	20.00		95	70-130	6	20	
trans-1,2-Dichloroethylene	19.1	0.50	ug/L	20.00		96	70-130	12	20	
trans-1,3-Dichloropropylene	19.7	0.50	ug/L	20.00		99	70-130	5	20	
Trichloroethylene	19.6	0.50	ug/L	20.00		98	70-130	5	20	
Trichlorofluoromethane	17.7	0.50	ug/L	20.00		89	60-140	8	20	
Vinyl acetate	20.5	5.0	ug/L	20.00		102	60-140	4	20	
Vinyl chloride	18.1	0.50	ug/L	20.00		91	60-140	9	20	
Xylenes, total	59.0	1.5	ug/L	60.00		98	70-130	9	20	
Surrogate: 4-Bromofluorobenzene	*57.1*		*ug/L*	*50.00*		*114*	*70-130*			
Surrogate: Dibromofluoromethane	*57.4*		*ug/L*	*50.00*		*115*	*70-130*			
Surrogate: Toluene-d8	*58.9*		*ug/L*	*50.00*		*118*	*70-130*			

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Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Matrix Spike (P5D0205-MS1)		**Source: 5040160-01**		Prepared: 04/14/15 Analyzed: 04/15/15						
1,1,1,2-Tetrachloroethane	202	5.0	ug/L	200.0	BRL	101	70-130			
1,1,1-Trichloroethane	204	5.0	ug/L	200.0	2.70	101	70-130			
1,1,2,2-Tetrachloroethane	204	5.0	ug/L	200.0	BRL	102	70-130			
1,1,2-Trichloroethane	183	5.0	ug/L	200.0	BRL	92	70-130			
1,1-Dichloroethane	189	5.0	ug/L	200.0	BRL	94	70-130			
1,1-Dichloroethylene	207	5.0	ug/L	200.0	BRL	103	70-130			
1,1-Dichloropropylene	188	5.0	ug/L	200.0	BRL	94	70-130			
1,2,3-Trichlorobenzene	200	5.0	ug/L	200.0	BRL	100	70-130			
1,2,3-Trichloropropane	209	5.0	ug/L	200.0	BRL	105	70-130			
1,2,4-Trichlorobenzene	218	5.0	ug/L	200.0	BRL	109	70-130			
1,2,4-Trimethylbenzene	190	5.0	ug/L	200.0	BRL	95	70-130			
1,2-Dibromo-3-chloropropane	198	20	ug/L	200.0	BRL	99	70-130			
1,2-Dibromoethane	197	5.0	ug/L	200.0	BRL	99	70-130			
1,2-Dichlorobenzene	216	5.0	ug/L	200.0	BRL	108	70-130			
1,2-Dichloroethane	187	5.0	ug/L	200.0	BRL	94	70-130			
1,2-Dichloropropane	186	5.0	ug/L	200.0	BRL	93	70-130			
1,3,5-Trimethylbenzene	190	5.0	ug/L	200.0	BRL	95	70-130			
1,3-Dichlorobenzene	208	5.0	ug/L	200.0	BRL	104	70-130			
1,3-Dichloropropane	205	5.0	ug/L	200.0	BRL	102	70-130			
1,4-Dichlorobenzene	202	5.0	ug/L	200.0	BRL	101	70-130			
2,2-Dichloropropane	162	20	ug/L	200.0	BRL	81	70-130			
2-Chlorotoluene	189	5.0	ug/L	200.0	BRL	94	70-130			
4-Chlorotoluene	205	5.0	ug/L	200.0	BRL	103	70-130			
4-Isopropyltoluene	185	5.0	ug/L	200.0	BRL	92	70-130			
Acetone	402	100	ug/L	400.0	BRL	101	40-160			
Benzene	187	5.0	ug/L	200.0	BRL	94	70-130			
Bromobenzene	214	5.0	ug/L	200.0	BRL	107	70-130			
Bromochloromethane	183	5.0	ug/L	200.0	BRL	92	70-130			
Bromodichloromethane	170	5.0	ug/L	200.0	BRL	85	70-130			
Bromoform	189	5.0	ug/L	200.0	BRL	95	70-130			
Bromomethane	131	10	ug/L	200.0	BRL	66	60-140			
Carbon Tetrachloride	214	5.0	ug/L	200.0	BRL	107	70-130			
Chlorobenzene	198	5.0	ug/L	200.0	BRL	99	70-130			
Chloroethane	185	5.0	ug/L	200.0	BRL	92	60-140			
Chloroform	173	5.0	ug/L	200.0	BRL	86	70-130			
Chloromethane	178	5.0	ug/L	200.0	BRL	89	60-140			
cis-1,2-Dichloroethylene	192	5.0	ug/L	200.0	BRL	96	70-130			
cis-1,3-Dichloropropylene	181	5.0	ug/L	200.0	BRL	90	70-130			
Dibromochloromethane	192	5.0	ug/L	200.0	BRL	96	70-130			
Dibromomethane	193	5.0	ug/L	200.0	BRL	97	70-130			
Dichlorodifluoromethane	172	10	ug/L	200.0	BRL	86	60-140			
Ethanol	3310	2000	ug/L	5000	BRL	66	60-140			
Ethylbenzene	203	5.0	ug/L	200.0	BRL	102	70-130			
Hexachlorobutadiene	213	20	ug/L	200.0	BRL	106	70-130			
Isopropyl Ether	169	5.0	ug/L	200.0	BRL	84	70-130			
Isopropylbenzene (Cumene)	207	5.0	ug/L	200.0	BRL	103	70-130			

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Matrix Spike (P5D0205-MS1)		**Source: 5040160-01**		Prepared: 04/14/15 Analyzed: 04/15/15						
m,p-Xylenes	427	10	ug/L	400.0	BRL	107	70-130			
Methyl Butyl Ketone (2-Hexanone)	200	10	ug/L	200.0	BRL	100	60-140			
Methyl Ethyl Ketone (2-Butanone)	186	50	ug/L	200.0	BRL	93	60-140			
Methyl Isobutyl Ketone	176	10	ug/L	200.0	BRL	88	60-140			
Methylene Chloride	186	20	ug/L	200.0	BRL	93	70-130			
Methyl-tert-Butyl Ether	192	10	ug/L	200.0	BRL	96	70-130			
Naphthalene	208	10	ug/L	200.0	BRL	104	70-130			
n-Butylbenzene	189	5.0	ug/L	200.0	BRL	94	70-130			
n-Propylbenzene	194	5.0	ug/L	200.0	BRL	97	70-130			
o-Xylene	183	5.0	ug/L	200.0	BRL	92	70-130			
sec-Butylbenzene	200	5.0	ug/L	200.0	BRL	100	70-130			
Styrene	183	5.0	ug/L	200.0	BRL	92	70-130			
tert-Butylbenzene	192	5.0	ug/L	200.0	BRL	96	70-130			
Tetrachloroethylene	226	5.0	ug/L	200.0	15.6	105	70-130			
Toluene	187	5.0	ug/L	200.0	BRL	94	70-130			
trans-1,2-Dichloroethylene	191	5.0	ug/L	200.0	BRL	95	70-130			
trans-1,3-Dichloropropylene	184	5.0	ug/L	200.0	BRL	92	70-130			
Trichloroethylene	197	5.0	ug/L	200.0	BRL	98	70-130			
Trichlorofluoromethane	197	5.0	ug/L	200.0	1.07	98	60-140			
Vinyl acetate	196	50	ug/L	200.0	BRL	98	60-140			
Vinyl chloride	175	5.0	ug/L	200.0	BRL	87	60-140			
Xylenes, total	610	15	ug/L	600.0	BRL	102	70-130			
Surrogate: 4-Bromofluorobenzene	*57.9*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*55.2*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*60.1*		*ug/L*	*50.00*		*120*	*70-130*			
Matrix Spike Dup (P5D0205-MSD1)		**Source: 5040160-01**		Prepared: 04/14/15 Analyzed: 04/15/15						
1,1,1,2-Tetrachloroethane	214	5.0	ug/L	200.0	BRL	107	70-130	6	20	
1,1,1-Trichloroethane	234	5.0	ug/L	200.0	2.70	116	70-130	14	20	
1,1,2,2-Tetrachloroethane	203	5.0	ug/L	200.0	BRL	102	70-130	0.3	20	
1,1,2-Trichloroethane	205	5.0	ug/L	200.0	BRL	103	70-130	11	20	
1,1-Dichloroethane	210	5.0	ug/L	200.0	BRL	105	70-130	11	20	
1,1-Dichloroethylene	236	5.0	ug/L	200.0	BRL	118	70-130	13	20	
1,1-Dichloropropylene	209	5.0	ug/L	200.0	BRL	105	70-130	11	20	
1,2,3-Trichlorobenzene	195	5.0	ug/L	200.0	BRL	98	70-130	2	20	
1,2,3-Trichloropropane	214	5.0	ug/L	200.0	BRL	107	70-130	2	20	
1,2,4-Trichlorobenzene	218	5.0	ug/L	200.0	BRL	109	70-130	0.05	20	
1,2,4-Trimethylbenzene	199	5.0	ug/L	200.0	BRL	99	70-130	4	20	
1,2-Dibromo-3-chloropropane	198	20	ug/L	200.0	BRL	99	70-130	0.1	20	
1,2-Dibromoethane	220	5.0	ug/L	200.0	BRL	110	70-130	11	20	
1,2-Dichlorobenzene	221	5.0	ug/L	200.0	BRL	111	70-130	2	20	
1,2-Dichloroethane	202	5.0	ug/L	200.0	BRL	101	70-130	8	20	
1,2-Dichloropropane	216	5.0	ug/L	200.0	BRL	108	70-130	15	20	
1,3,5-Trimethylbenzene	197	5.0	ug/L	200.0	BRL	98	70-130	3	20	
1,3-Dichlorobenzene	219	5.0	ug/L	200.0	BRL	109	70-130	5	20	
1,3-Dichloropropane	219	5.0	ug/L	200.0	BRL	109	70-130	7	20	
1,4-Dichlorobenzene	210	5.0	ug/L	200.0	BRL	105	70-130	4	20	

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Matrix Spike Dup (P5D0205-MSD1)		**Source: 5040160-01**		Prepared: 04/14/15 Analyzed: 04/15/15						
2,2-Dichloropropane	181	20	ug/L	200.0	BRL	91	70-130	11	20	
2-Chlorotoluene	198	5.0	ug/L	200.0	BRL	99	70-130	5	20	
4-Chlorotoluene	212	5.0	ug/L	200.0	BRL	106	70-130	3	20	
4-Isopropyltoluene	195	5.0	ug/L	200.0	BRL	98	70-130	6	20	
Acetone	434	100	ug/L	400.0	BRL	108	40-160	8	20	
Benzene	212	5.0	ug/L	200.0	BRL	106	70-130	13	20	
Bromobenzene	222	5.0	ug/L	200.0	BRL	111	70-130	4	20	
Bromochloromethane	191	5.0	ug/L	200.0	BRL	95	70-130	4	20	
Bromodichloromethane	191	5.0	ug/L	200.0	BRL	95	70-130	12	20	
Bromoform	197	5.0	ug/L	200.0	BRL	99	70-130	4	20	
Bromomethane	160	10	ug/L	200.0	BRL	80	60-140	20	20	
Carbon Tetrachloride	246	5.0	ug/L	200.0	BRL	123	70-130	14	20	
Chlorobenzene	212	5.0	ug/L	200.0	BRL	106	70-130	7	20	
Chloroethane	209	5.0	ug/L	200.0	BRL	104	60-140	12	20	
Chloroform	199	5.0	ug/L	200.0	BRL	100	70-130	14	20	
Chloromethane	200	5.0	ug/L	200.0	BRL	100	60-140	11	20	
cis-1,2-Dichloroethylene	221	5.0	ug/L	200.0	BRL	111	70-130	14	20	
cis-1,3-Dichloropropylene	202	5.0	ug/L	200.0	BRL	101	70-130	11	20	
Dibromochloromethane	199	5.0	ug/L	200.0	BRL	100	70-130	4	20	
Dibromomethane	212	5.0	ug/L	200.0	BRL	106	70-130	9	20	
Dichlorodifluoromethane	192	10	ug/L	200.0	BRL	96	60-140	11	20	
Ethanol	3110	2000	ug/L	5000	BRL	62	60-140	6	20	
Ethylbenzene	220	5.0	ug/L	200.0	BRL	110	70-130	8	20	
Hexachlorobutadiene	222	20	ug/L	200.0	BRL	111	70-130	4	20	
Isopropyl Ether	190	5.0	ug/L	200.0	BRL	95	70-130	11	20	
Isopropylbenzene (Cumene)	218	5.0	ug/L	200.0	BRL	109	70-130	5	20	
m,p-Xylenes	461	10	ug/L	400.0	BRL	115	70-130	8	20	
Methyl Butyl Ketone (2-Hexanone)	208	10	ug/L	200.0	BRL	104	60-140	4	20	
Methyl Ethyl Ketone (2-Butanone)	198	50	ug/L	200.0	BRL	99	60-140	6	20	
Methyl Isobutyl Ketone	192	10	ug/L	200.0	BRL	96	60-140	8	20	
Methylene Chloride	209	20	ug/L	200.0	BRL	104	70-130	11	20	
Methyl-tert-Butyl Ether	212	10	ug/L	200.0	BRL	106	70-130	10	20	
Naphthalene	203	10	ug/L	200.0	BRL	101	70-130	2	20	
n-Butylbenzene	196	5.0	ug/L	200.0	BRL	98	70-130	4	21	
n-Propylbenzene	202	5.0	ug/L	200.0	BRL	101	70-130	4	18	
o-Xylene	196	5.0	ug/L	200.0	BRL	98	70-130	7	20	
sec-Butylbenzene	208	5.0	ug/L	200.0	BRL	104	70-130	4	20	
Styrene	195	5.0	ug/L	200.0	BRL	98	70-130	6	20	
tert-Butylbenzene	201	5.0	ug/L	200.0	BRL	101	70-130	4	20	
Tetrachloroethylene	246	5.0	ug/L	200.0	15.6	115	70-130	9	20	
Toluene	207	5.0	ug/L	200.0	BRL	103	70-130	10	20	
trans-1,2-Dichloroethylene	222	5.0	ug/L	200.0	BRL	111	70-130	15	20	
trans-1,3-Dichloropropylene	197	5.0	ug/L	200.0	BRL	99	70-130	7	20	
Trichloroethylene	225	5.0	ug/L	200.0	BRL	112	70-130	13	20	
Trichlorofluoromethane	225	5.0	ug/L	200.0	1.07	112	60-140	13	20	
Vinyl acetate	207	50	ug/L	200.0	BRL	104	60-140	6	20	

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0205 - SM6200 B										
Matrix Spike Dup (P5D0205-MSD1)		**Source: 5040160-01**		Prepared: 04/14/15 Analyzed: 04/15/15						
Vinyl chloride	203	5.0	ug/L	200.0	BRL	101	60-140	15	20	
Xylenes, total	657	15	ug/L	600.0	BRL	109	70-130	7	20	
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*56.7*		*ug/L*	*50.00*		*113*	*70-130*			
Surrogate: Toluene-d8	*57.8*		*ug/L*	*50.00*		*116*	*70-130*			

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AMEC Foster Wheeler (Durham)
Attn: Damian Hrciga
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Project No: 6480155031

Prism Work Order: 5040160
Time Submitted: 4/10/2015 8:00:00AM

Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5D0258 - 5030B										
Blank (P5D0258-BLK1)				Prepared: 04/17/15		Analyzed: 04/21/15				
1,4-Dioxane	1.07	3.0	ug/L							
LCS (P5D0258-BS1)				Prepared: 04/17/15		Analyzed: 04/21/15				
1,4-Dioxane	41.6	3.0	ug/L	50.00		83	55-145			
LCS Dup (P5D0258-BSD1)				Prepared: 04/17/15		Analyzed: 04/21/15				
1,4-Dioxane	44.7	3.0	ug/L	50.00		89	55-145	7	30	
Matrix Spike (P5D0258-MS1)		**Source: 5040160-01**		Prepared: 04/17/15		Analyzed: 04/21/15				
1,4-Dioxane	47.1	3.0	ug/L	50.00	0.910	92	55-145			
Matrix Spike Dup (P5D0258-MSD1)		**Source: 5040160-01**		Prepared: 04/17/15		Analyzed: 04/21/15				
1,4-Dioxane	44.9	3.0	ug/L	50.00	0.910	88	55-145	5	30	

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Sample Extraction Data

Prep Method: SM6200 B

Lab Number	Batch	Initial	Final	Date/Time
5040160-01	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-02	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-03	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-04	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-05	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-06	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-06	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-07	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-08	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-09	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-10	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-11	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-12	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-13	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-14	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-14	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-15	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-15	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-16	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-16	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-17	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-17	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-18	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-18	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-19	P5D0205	10 mL	10 mL	04/14/15 9:57
5040160-20	P5D0205	10 mL	10 mL	04/14/15 9:57

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5040160-01	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-02	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-03	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-04	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-05	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-06	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-07	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-08	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-09	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-10	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-11	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-12	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-13	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-14	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-15	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-16	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-17	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-18	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-19	P5D0258	10 mL	10 mL	04/17/15 17:02
5040160-20	P5D0258	10 mL	10 mL	04/17/15 17:02

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Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

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

Client Company Name: AMEC
Report To/Contact Name: Damian Hriciga
Reporting Address: 4021 Stirrup Creek Dr Durham, NC 27703
Phone: (919) 381-9900 Fax (Yes) (~~No~~): _____
Email Address: damian.hriciga@amec.com
EDD Type: PDF ✓ Excel ✓ Other _____
Site Location Name: Alcatel
Site Location Physical Address: Raleigh, NC

Project Name: 6480155031
Short Hold Analysis: (Yes) (~~No~~) UST Project: (Yes) (~~NO~~)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Damian Hriciga
Address: SAME

Purchase Order No./Billing Reference _____
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ❑ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

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

TEMP: Therm ID: IR-10 Observed: 3.5 °C / Corr: 2.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC ✓ SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO ✓
Sample Iced Upon Collection: YES ✓ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	6200B VOC	8260 1,4-Dioxane					REMARKS	PRISM LAB ID NO.
MW-2s	4/8/15	0956	water	VOA	5	40mL	HCl	✓	✓						01
MW-2dr	4/8/15	0958						✓	✓						02
MW-3s	4/7/15	1655						✓	✓						03
MW-3d	4/7/15	1652						✓	✓						04
MW-4s	4/8/15	1206						✓	✓						05
MW-4d	4/8/15	1200						✓	✓						06
MW-5sk	4/7/15	1258						✓	✓						07
MW-9sk	4/7/15	1455						✓	✓						08
MW-9dk	4/7/15	1454						✓	✓						09
MW-12s	4/8/15	1102						✓	✓						10

Sampler's Signature _____ Sampled By (Print Name) Ian Ros Affiliation AMEC

PRESS DOWN FIRMLY - 3 COPIES

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

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	4-9-15	1420
Relinquished By: (Signature)	Received By: (Signature)	4/10/15	0745
Relinquished By: (Signature)	Received For Prism Laboratories By:	4/10/15	0800

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Prism Field Service ❑ Other Z-COOLING
COC Group No. 5040100

Additional Comments:

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

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

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

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

CHAIN OF CUSTODY RECORD

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

Client Company Name: AMEC
Report To/Contact Name: Damian Hriciga
Reporting Address: 4021 Stirrup Creek Dr Durham, NC 27703
Phone: (919) 381-9900 Fax (Yes) (No): _____
Email Address: damian.hriciga@amec.com
EDD Type: PDF ✓ Excel ✓ Other _____
Site Location Name: Alcatel
Site Location Physical Address: Raleigh, NC

Project Name: 6480155031
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Damian Hriciga
Address: SAME

Purchase Order No./Billing Reference _____
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

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

TEMP: Therm ID: IRT-10 Observed: 3.5 °C / Corr: 2.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC ✓ SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO ✓
Sample Iced Upon Collection: YES ✓ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	6200B VOC	8260 1,4-Dioxane					REMARKS	PRISM LAB ID NO.
MW-12dk	4/7/15	1540	water	VOA	6	40mL	HCl	✓	✓						011
MW-18i	4/8/15	1117	↓	↓	↓	↓	↓	✓	✓						012
MW-19i	4/8/15	1356						✓	✓						013
MW-21i	4/8/15	1412						✓	✓						014
MW-22s	4/8/15	1438						✓	✓						015
MW-23s	4/8/15	1458						✓	✓						016
MW-24s	4/8/15	1532						✓	✓						017
Dup-24s	4/8/15	1532						✓	✓						018
MW-24d	4/8/15	1554						✓	✓						019
TB	↓							✓	✓						020

Sampler's Signature _____ Sampled By (Print Name) Ian Ros Affiliation AMEC

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

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	4-9-15	1420
Relinquished By: (Signature)	Received By: (Signature)	4/10/15	0745
Relinquished By: (Signature)	Received For Prism Laboratories By:	4/10/15	0800

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

COC Group No. 5040160

Additional Comments:

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

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

SEE REVERSE FOR TERMS & CONDITIONS

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

ORIGINAL

APPENDIX B

MANN-KENDALL TREND ANALYSIS

Amec Foster Wheeler Environment & Infrastructure, Inc.
4021 Stirrup Creek Drive, Suite 100
Durham, North Carolina 27703
Licensure: NC Engineering F-1253; NC Geology C-247

Tel – (919) 381-9900
Fax – (919) 381-9901
www.amecfw.com

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APPENDIX B

MANN-KENDALL TREND ANALYSIS
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6. 1,1,1-Trichloroethane – Bedrock Aquifer
7. 1,4-Dioxane – Unconsolidated Aquifer
8. 1,4-Dioxane – Bedrock Aquifier

Amec Foster Wheeler Environment & Infrastructure, Inc.
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www.amecfw.com

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	4-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	Total VOCs- unconsolidated aquifer
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:	MW-23s	MW-24s	MW-22s	MW-18i	MW-5sk		
Sampling Event	**Sampling Date**	**TOTAL VOCS- UNCONSOLIDATED AQUIFER CONCENTRATION (µg/L)**					
1	22-Oct-12	22900	1520	633	115	8.88	
2	30-Apr-13	240	570	493	119	12.2	
3	29-Oct-13	361	464	487	81.5	11.5	
4	6-Jun-14	365	394	473	95.2	9.49	
5	10-Oct-14	325	337	738	85.7	17.2	
6	7-Apr-15						
7	8-Apr-15	333.7	224.4	509.3	70.4	18	
8							
9							
10							
11							
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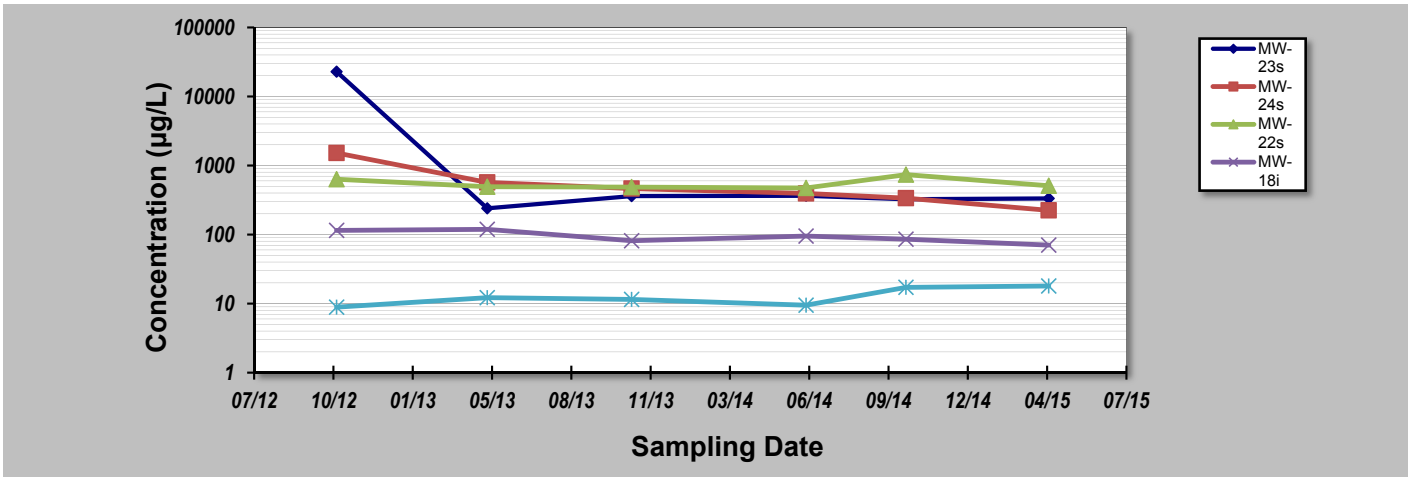
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:	2.25	0.81	0.19	0.20	0.30		
Mann-Kendall Statistic (S):	-3	-15	-1	-9	9		
Confidence Factor:	64.0%	99.9%	50.0%	93.2%	93.2%		
Concentration Trend:	No Trend	Decreasing	Stable	Prob. Decreasing	Prob. Increasing		



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

A value equal to one-half the laboratory reporting limit was substituted for non-detect data.

DISCLAIMER: *The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.*

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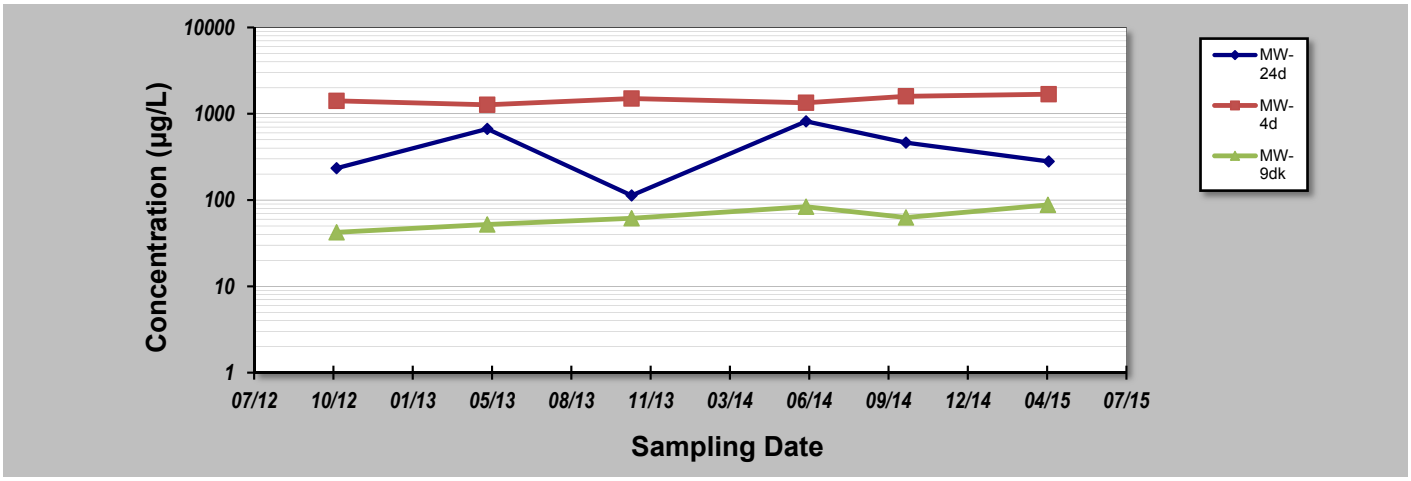
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	4-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	Total VOCs- bedrock
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:		MW-24d	MW-4d	MW-9dk				
Sampling Event	Sampling Date	TOTAL VOCS- BEDROCK CONCENTRATION (µg/L)						
1	22-Oct-12	234	1410	42.3				
2	30-Apr-13	668	1270	52.1				
3	29-Oct-13	113	1500	61.5				
4	6-Jun-14	817	1340	83.7				
5	10-Oct-14	463	1592.8	62.77				
6	7-Apr-15			87.9				
7	8-Apr-15	280.2	1683.9					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.63	0.11	0.27				
Mann-Kendall Statistic (S):		1	9	13				
Confidence Factor:		50.0%	93.2%	99.2%				
Concentration Trend:		No Trend	Prob. Increasing	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

A value equal to the laboratory reporting limit was substituted for non-detect data.

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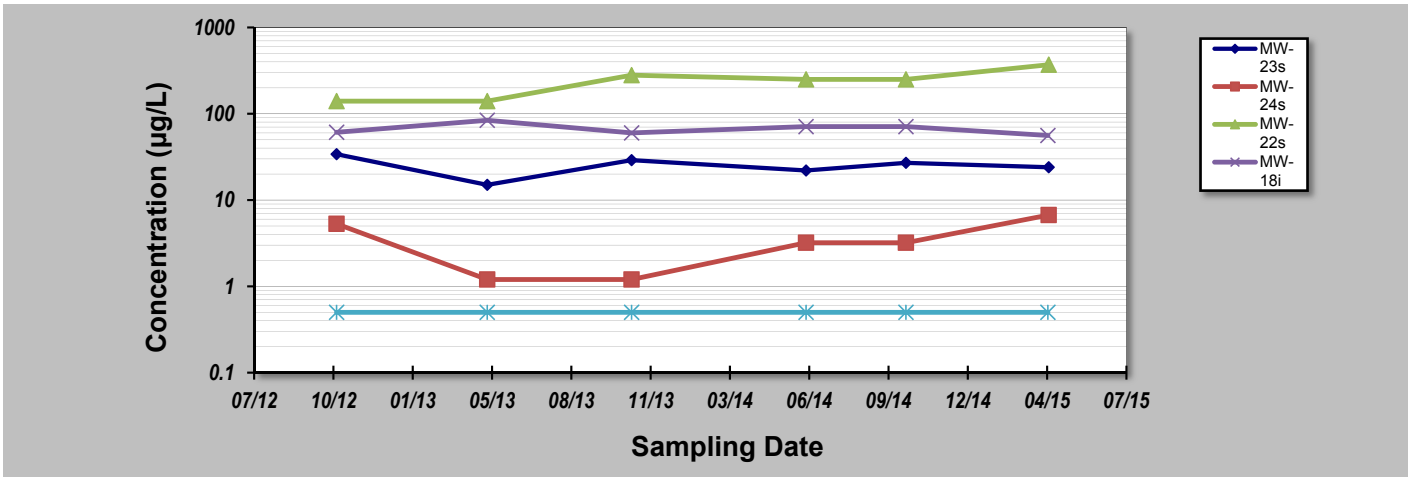
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	3-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	PCE - unconsolidated aquifer
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:	MW-23s	MW-24s	MW-22s	MW-18i	MW-5sk		
Sampling Event	**Sampling Date**	**PCE - UNCONSOLIDATED AQUIFER CONCENTRATION (µg/L)**					
1	22-Oct-12	34	5.3	140	61	0.5	
2	30-Apr-13	15	1.2	140	84	0.5	
3	29-Oct-13	29	1.2	280	60	0.5	
4	6-Jun-14	22	3.2	250	71	0.5	
5	10-Oct-14	27	3.2	250	71	0.5	
6	7-Apr-15				56	0.5	
7	8-Apr-15	24	6.7	370			
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.26	0.64	0.37	0.15	0.00	
Mann-Kendall Statistic (S):		-3	5	9	-4	0	
Confidence Factor:		64.0%	76.5%	93.2%	70.3%	39.3%	
Concentration Trend:		Stable	No Trend	Prob. Increasing	Stable	Stable	



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	4-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	PCE-bedrock
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:		MW-24d	MW-4d	MW-9dk				
Sampling Event	Sampling Date	PCE-BEDROCK CONCENTRATION (µg/L)						
1	22-Oct-12	20	1100	14				
2	30-Apr-13	48	1000	14				
3	29-Oct-13	8.4	1200	20				
4	6-Jun-14	11	1000	29				
5	10-Oct-14	6.6	1300	22				
6	7-Apr-15			34				
7	8-Apr-15	8.1	1400					
8								
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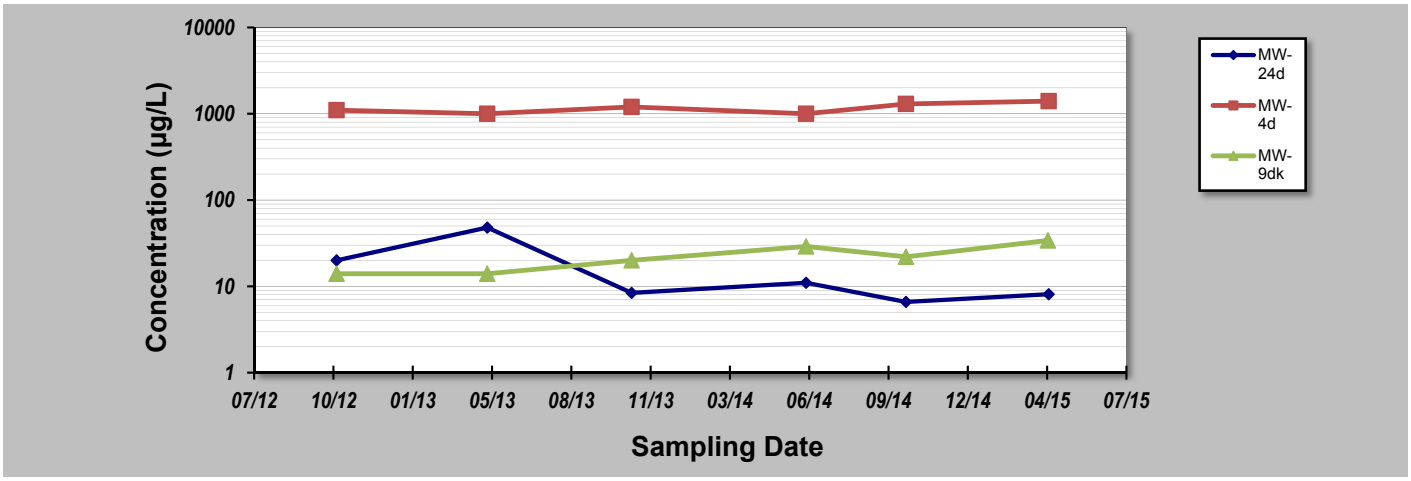
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.94	0.14	0.36				
Mann-Kendall Statistic (S):		-9	8	12				
Confidence Factor:		93.2%	89.8%	98.2%				
Concentration Trend:		Prob. Decreasing	No Trend	Increasing				



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	3-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	1,1,1 TCA - unconsolidated aquifer
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:	MW-23s	MW-24s	MW-22s	MW-18i	MW-5sk		
Sampling Event	**Sampling Date**	**1,1,1 TCA - UNCONSOLIDATED AQUIFER CONCENTRATION (µg/L)**					
1	22-Oct-12	54	35	34	7.3	0.5		
2	30-Apr-13	24	14	50	11	0.5		
3	29-Oct-13	32	14	18	5.7	0.5		
4	6-Jun-14	32	20	25	5.5	0.5		
5	10-Oct-14	30	20	29	3.2	0.5		
6	7-Apr-15					0.5		
7	8-Apr-15	29	27	4.9	2.6			
8								
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10								
11								
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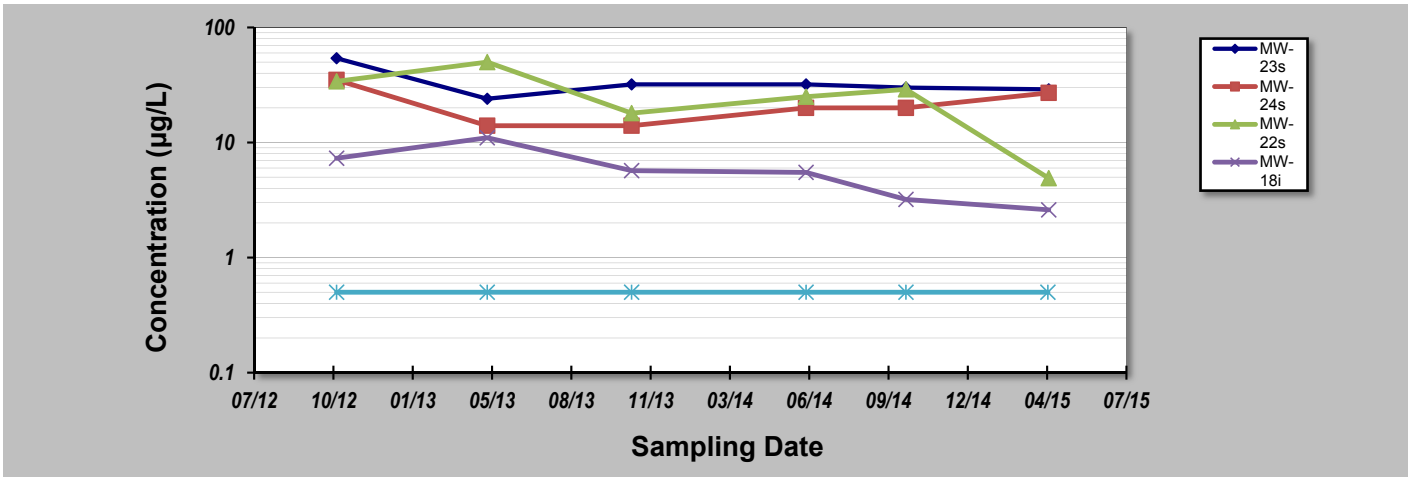
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.31	0.37	0.57	0.52	0.00		
Mann-Kendall Statistic (S):		-6	3	-7	-13	0		
Confidence Factor:		81.5%	64.0%	86.4%	99.2%	39.3%		
Concentration Trend:		Stable	No Trend	Stable	Decreasing	Stable		



Notes:

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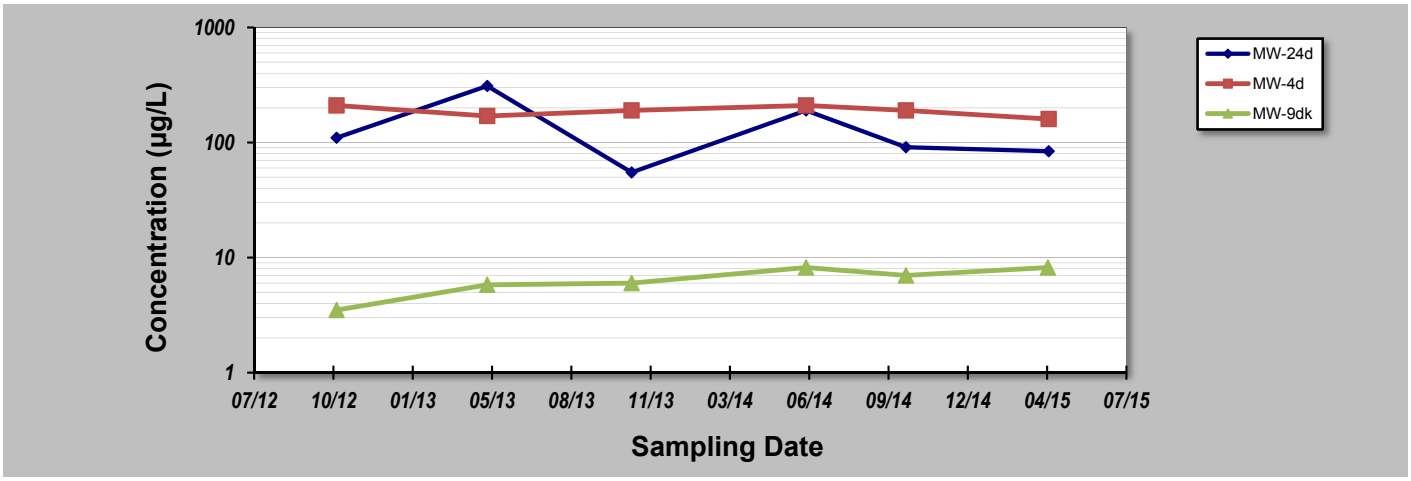
GSI Environmental Inc., www.gsi-net.com

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	4-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	1,1,1 TCA - bedrock
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:		MW-24d	MW-4d	MW-9dk				
Sampling Event	Sampling Date	1,1,1 TCA - BEDROCK CONCENTRATION (µg/L)						
1	22-Oct-12	110	210	3.5				
2	30-Apr-13	310	170	5.8				
3	29-Oct-13	55	190	6				
4	6-Jun-14	190	210	8.2				
5	10-Oct-14	91	190	7				
6	7-Apr-15			8.2				
7	8-Apr-15	84	160					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.68	0.11	0.28				
Mann-Kendall Statistic (S):		-5	-5	12				
Confidence Factor:		76.5%	76.5%	98.2%				
Concentration Trend:		Stable	Stable	Increasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

A value equal to the laboratory reporting limit was substituted for non-detect data.

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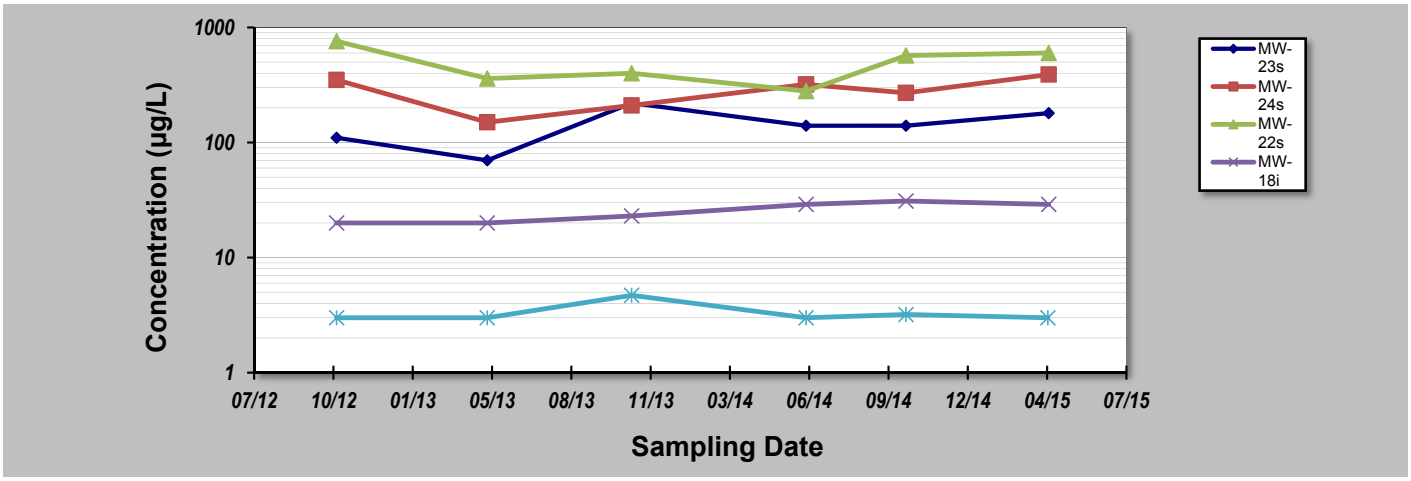
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	3-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	1,4-dioxane - unconsolidated aquifer
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:	MW-23s	MW-24s	MW-22s	MW-18i	MW-5sk		
Sampling Event	**Sampling Date**	**1,4-DIOXANE - UNCONSOLIDATED AQUIFER CONCENTRATION (µg/L)**					
1	22-Oct-12	110	350	760	20	3		
2	30-Apr-13	70	150	360	20	3		
3	29-Oct-13	220	210	400	23	4.7		
4	6-Jun-14	140	320	280	29	3		
5	10-Oct-14	140	270	570	31	3.2		
6	7-Apr-15					3		
7	8-Apr-15	180	390	600	29			
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.37	0.32	0.36	0.19	0.21		
Mann-Kendall Statistic (S):		6	5	1	11	1		
Confidence Factor:		81.5%	76.5%	50.0%	97.2%	50.0%		
Concentration Trend:		No Trend	No Trend	No Trend	Increasing	No Trend		



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

A value equal to the laboratory reporting limit was substituted for non-detect data.

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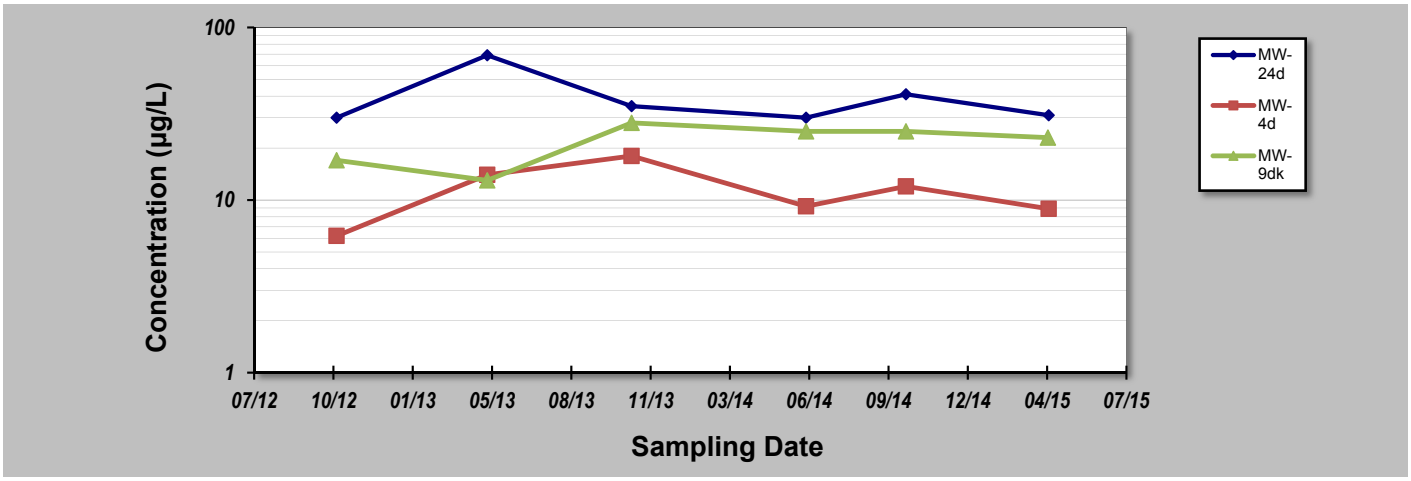
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	4-Jun-15	Job ID:	6480155053
Facility Name:	Alcatel	Constituent:	1,4-dioxane - bedrock
Conducted By:	DH	Concentration Units:	µg/L

Sampling Point ID:		MW-24d	MW-4d	MW-9dk				
Sampling Event	Sampling Date	1,4-DIOXANE - BEDROCK CONCENTRATION (µg/L)						
1	22-Oct-12	30	6.2	17				
2	30-Apr-13	69	14	13				
3	29-Oct-13	35	18	28				
4	6-Jun-14	30	9.2	25				
5	10-Oct-14	41	12	25				
6	7-Apr-15			23				
7	8-Apr-15	31	8.9					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.38	0.37	0.26				
Mann-Kendall Statistic (S):		0	-1	2				
Confidence Factor:		39.3%	50.0%	57.0%				
Concentration Trend:		Stable	Stable	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

A value equal to one-half the laboratory reporting limit was substituted for non-detect data.

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APPENDIX C

MONITORING OPTIMIZATION DOCUMENTATION

Amec Foster Wheeler Environment & Infrastructure, Inc.
4021 Stirrup Creek Drive, Suite 100
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APPENDIX C

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MAROS Site Summary

Project: Alcatel Unconsolidated
User Name: Damian Hriciga
Location: Raleigh
State: North Carolina

User Defined Site and Data Assumptions

Hydrogeology and Plume Information:

Groundwater Seepage Velocity:	170	ft/yr
Current Plume Length:	700	ft
Current Plume Width:	400	ft
Number of Tail Wells:	11	
Number of Source Wells:	1	

Downgradient Information:

Distance from Edge of Tail to Nearest:

Downgradient receptor:	375 ft
Downgradient property:	375 ft

Distance from Source to Nearest:

Downgradient receptor:	1050 ft
Downgradient property:	1050 ft

Contaminants of Concern (COC's)

1,4-DIOXANE (P-DIOXANE)
TETRACHLOROETHYLENE(PCE)

Well Summary

Well Name	Source / Tail / Delineation	Record Count	Sample Date Range Minimum	Sample Date Range Maximum	Priority Constituent
MW-2s	T	8	4/15/2013	4/15/2015	TETRACHLOROETHYLENE(PC
MW-3s	T	10	4/15/2013	4/15/2015	1,4-DIOXANE (P-DIOXANE)
MW-4s	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-5sk	T	12	10/15/2012	4/15/2015	1,4-DIOXANE (P-DIOXANE)
MW-9sk	T	12	10/15/2012	4/15/2015	1,4-DIOXANE (P-DIOXANE)
MW-12s	T	12	10/15/2012	4/15/2015	1,4-DIOXANE (P-DIOXANE)
MW-18i	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-19i	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-21i	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-22s	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-23s	S	12	10/15/2012	4/15/2015	1,4-DIOXANE (P-DIOXANE)
MW-24s	T	12	10/15/2012	4/15/2015	1,4-DIOXANE (P-DIOXANE)

MAROS Site Summary

Project: Alcatel Bedrock
User Name: Damian Hriciga
Location: Raleigh
State: North Carolina

User Defined Site and Data Assumptions

Hydrogeology and Plume Information:

Groundwater Seepage Velocity:	340	ft/yr
Current Plume Length:	1050	ft
Current Plume Width:	470	ft
Number of Tail Wells:	5	
Number of Source Wells:	1	

Downgradient Information:

Distance from Edge of Tail to Nearest:

Downgradient receptor:	-50 ft
Downgradient property:	-50 ft

Distance from Source to Nearest:

Downgradient receptor:	1650 ft
Downgradient property:	1650 ft

Contaminants of Concern (COC's)

1,4-DIOXANE (P-DIOXANE)
TETRACHLOROETHYLENE(PCE)

Well Summary

Well Name	Source / Tail / Delineation	Record Count	Sample Date Range Minimum	Sample Date Range Maximum	Priority Constituent
MW-2dr	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-3d	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-4d	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-9dk	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-12dk	T	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC
MW-24d	S	12	10/15/2012	4/15/2015	TETRACHLOROETHYLENE(PC

MAROS Sampling Location Optimization Results

Alcate Unconsolidated — **User Name:** Damian Hriciga

Raleigh — **State:** North Carolina

Sampling Events Analyzed: **From** Sample Event 1 10/15/2012 **to** Sample Event 6 4/15/2015

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
1,4-DIOXANE (P-DIOX	0.3	0.1	0.9	0.85
TETRACHLOROETHYLE	0.3	0.1	0.9	0.85

Well Name	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
1,4-DIOXANE (P-DIOXANE)							
MW-12s	2111896.50	753952.13	☑	0.217	0.056	0.632	☐
MW-18i	2112174.25	753969.06	☑	0.172	0.055	0.308	☑
MW-19i	2112224.50	754142.50	☑	0.095	0.006	0.276	☑
MW-21i	2112314.50	754012.13	☑	0.862	0.551	0.925	☐
MW-22s	2112275.25	754095.19	☑	0.410	0.319	0.469	☐
MW-23s	2112391.50	754201.00	☑	0.176	0.060	0.231	☐
MW-24s	2112331.75	754146.81	☑	0.281	0.087	0.379	☐
MW-2s	2112250.25	754258.44	☑	0.909	0.903	0.914	☐
MW-3s	2112038.50	754172.44	☑	0.105	0.020	0.237	☐
MW-4s	2112217.75	753881.00	☑	0.439	0.128	0.820	☐
MW-5sk	2111666.50	753629.50	☑	0.348	0.000	0.732	☐
MW-9sk	2111861.00	753405.69	☑	0.782	0.702	0.854	☐
TETRACHLOROETHYLENE(PCE)							
MW-12s	2111896.50	753952.13	☑	0.107	0.032	0.296	☑
MW-18i	2112174.25	753969.06	☑	0.105	0.003	0.190	☑
MW-19i	2112224.50	754142.50	☑	0.071	0.002	0.148	☑
MW-21i	2112314.50	754012.13	☑	0.297	0.241	0.356	☐
MW-22s	2112275.25	754095.19	☑	0.255	0.166	0.326	☑
MW-23s	2112391.50	754201.00	☑	0.297	0.205	0.445	☐
MW-24s	2112331.75	754146.81	☑	0.510	0.412	0.631	☐
MW-2s	2112250.25	754258.44	☑	0.339	0.163	0.649	☐
MW-3s	2112038.50	754172.44	☑	0.809	0.802	0.812	☐
MW-4s	2112217.75	753881.00	☑	0.205	0.016	0.418	☐
MW-5sk	2111666.50	753629.50	☑	0.455	0.000	0.549	☐
MW-9sk	2111861.00	753405.69	☑	0.781	0.743	0.811	☐

MAROS Sampling Location Optimization Results

Alcate Unconsolidated | **User Name:** Damian Hriciga

Raleigh | **State:** North Carolina

Well Name	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the State Plane (i.e., X and Y refer to Easting and Northing, respectively) or local coordinate systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization Results

Alcatel Bedrock — **User Name:** Damian Hriciga

Raleigh — **State:** North Carolina

Sampling Events Analyzed: **From** Sample Event 1 10/15/2012 **to** Sample Event 6 4/15/2015

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
1,4-DIOXANE (P-DIOX	0.3	0.1	0.9	0.85
TETRACHLOROETHYLE	0.3	0.1	0.9	0.85

Well Name	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
1,4-DIOXANE (P-DIOXANE)							
MW-12dk	2111851.25	753916.06	☑	0.847	0.821	0.868	☐
MW-24d	2112336.50	754159.13	☑	0.775	0.690	0.882	☐
MW-2dr	2112260.75	754306.63	☑	0.540	0.000	0.819	☐
MW-3d	2112043.25	754184.94	☑	0.326	0.068	0.803	☐
MW-4d	2112231.25	753876.63	☑	0.156	0.044	0.287	☐
MW-9dk	2111862.00	753415.75	☑	0.226	0.028	0.356	☐
TETRACHLOROETHYLENE(PCE)							
MW-12dk	2111851.25	753916.06	☑	0.880	0.876	0.885	☐
MW-24d	2112336.50	754159.13	☑	0.620	0.571	0.667	☐
MW-2dr	2112260.75	754306.63	☑	0.728	0.631	0.775	☐
MW-3d	2112043.25	754184.94	☑	0.298	0.234	0.482	☐
MW-4d	2112231.25	753876.63	☑	0.654	0.574	0.713	☐
MW-9dk	2111862.00	753415.75	☑	0.429	0.384	0.469	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the State Plane (i.e., X and Y refer to Easting and Northing, respectively) or local coordinate systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization

Project: Alcatel Unconsolidated **User Name:** Damian Hriciga

Location: Raleigh **State:** North Carolina

Results by Considering All COCs

Sampling Events Analyzed: **From** Sample Event 1 **to** Sample Event 6
10/15/2012 4/15/2015

Well Name	X (feet)	Y (feet)	Number of COCs	COC-Averaged	Abandoned
MW-12s	2111896.50	753952.13	2	0.162	☐
MW-18i	2112174.25	753969.06	2	0.139	☑
MW-19i	2112224.50	754142.50	2	0.083	☑
MW-21i	2112314.50	754012.13	2	0.580	☐
MW-22s	2112275.25	754095.19	2	0.333	☐
MW-23s	2112391.50	754201.00	2	0.236	☐
MW-24s	2112331.75	754146.81	2	0.395	☐
MW-2s	2112250.25	754258.44	2	0.624	☐
MW-3s	2112038.50	754172.44	2	0.457	☐
MW-4s	2112217.75	753881.00	2	0.322	☐
MW-5sk	2111666.50	753629.50	2	0.402	☐
MW-9sk	2111861.00	753405.69	2	0.781	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging the "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean plug and abandonment of the well, it can mean that NO samples need to be collected for any COCs.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization

Project: Alcatel Bedrock **User Name:** Damian Hriciga

Location: Raleigh **State:** North Carolina

Results by Considering All COCs

Sampling Events Analyzed: **From** Sample Event 1 **to** Sample Event 6
10/15/2012 4/15/2015

Well Name	X (feet)	Y (feet)	Number of COCs	COC-Averaged	Abandoned
MW-12dk	2111851.25	753916.06	2	0.863	☐
MW-24d	2112336.50	754159.13	2	0.697	☐
MW-2dr	2112260.75	754306.63	2	0.634	☐
MW-3d	2112043.25	754184.94	2	0.312	☐
MW-4d	2112231.25	753876.63	2	0.405	☐
MW-9dk	2111862.00	753415.75	2	0.328	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging the "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean plug and abandonment of the well, it can mean that NO samples need to be collected for any COCs.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Frequency Optimization Results

Project: Alcatel Unconsolidated **User Name:** Damian Hriciga

Location: Raleigh **State:** North Carolina

The Overall Number of Sampling Events: 6

"Recent Period" defined by events: **From** Sample Event 1 10/15/2012 **To** Sample Event 6 4/15/2015

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
1,4-DIOXANE (	0.003	0.0015	0.003	0.006
TETRACHLORO	0.0007	0.00035	0.0007	0.0014

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling	Frequency Based on	Frequency Based on
1,4-DIOXANE (P-DIOXANE)			
MW-12s	Biennial	Biennial	Biennial
MW-18i	Quarterly	Quarterly	Quarterly
MW-19i	Quarterly	Quarterly	Quarterly
MW-21i	Biennial	Biennial	Biennial
MW-22s	Biennial	Biennial	Biennial
MW-23s	Quarterly	Quarterly	Quarterly
MW-24s	Quarterly	Quarterly	Quarterly
MW-2s	Biennial	Biennial	Biennial
MW-3s	Biennial	Biennial	Biennial
MW-4s	Biennial	Biennial	Biennial
MW-5sk	Biennial	Biennial	Biennial
MW-9sk	Biennial	Biennial	Biennial
TETRACHLOROETHYLENE(PCE)			
MW-12s	Biennial	Biennial	Biennial
MW-18i	Biennial	Biennial	Biennial
MW-19i	SemiAnnual	SemiAnnual	SemiAnnual
MW-21i	Quarterly	Quarterly	Quarterly
MW-22s	Quarterly	Quarterly	Quarterly
MW-23s	Biennial	Biennial	Biennial
MW-24s	SemiAnnual	SemiAnnual	SemiAnnual
MW-2s	Quarterly	Quarterly	Quarterly
MW-3s	Biennial	Biennial	Biennial
MW-4s	Biennial	Biennial	Biennial

MAROS Sampling Frequency Optimization Results

Project: Alcatel Unconsolidated
User Name: Damian Hriciga
Location: Raleigh
State: North Carolina

Well	Recommended Sampling	Frequency Based on	Frequency Based on
MW-5sk	Biennial	Biennial	Biennial
MW-9sk	Biennial	Biennial	Biennial

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Sampling Frequency Optimization Results

Project: Alcatel Bedrock **User Name:** Damian Hriciga

Location: Raleigh **State:** North Carolina

The Overall Number of Sampling Events: 6

"Recent Period" defined by events: **From** Sample Event 1 10/15/2012 **To** Sample Event 6 4/15/2015

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
1,4-DIOXANE (	0.003	0.0015	0.003	0.006
TETRACHLORO	0.0007	0.00035	0.0007	0.0014

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling	Frequency Based on	Frequency Based on
1,4-DIOXANE (P-DIOXANE)			
MW-12dk	Biennial	Biennial	Biennial
MW-24d	Biennial	Biennial	Biennial
MW-2dr	Biennial	Biennial	Biennial
MW-3d	Biennial	Biennial	Biennial
MW-4d	Biennial	Biennial	Biennial
MW-9dk	SemiAnnual	SemiAnnual	SemiAnnual
TETRACHLOROETHYLENE(PCE)			
MW-12dk	Biennial	Biennial	Biennial
MW-24d	Biennial	Biennial	Biennial
MW-2dr	Biennial	Biennial	Biennial
MW-3d	Biennial	Biennial	Biennial
MW-4d	Quarterly	Quarterly	Quarterly
MW-9dk	Quarterly	Quarterly	Quarterly

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

Network Frequency

The plume-wide frequency is based on the linear regression of Total Mass estimates over the time frame. The decision logic is based on the slope, R2 and COV of the linear Regression of the total mass.

AAA+|-AAA
TEXT SIZE

Compound	Lin. Regr. (Plume Mass)		Variability of Mass Change Coefficient of Variation	Typical Monitoring Frequency in Timeframe	Recommended Frequency
	Slope	R-squared			
1,4-DIOXANE (P-DIOXANE)	0.000088	0.010	0.35	Annual	Annual
TETRACHLOROETHYLENE(PCE	0.000468	0.520	0.24	Annual	Biennial

Unconsolidated Aquifer

Network Frequency

Air Force Center for Engineering and the Environment
MAROS Version 3.0
Release 352, September 2012

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The plume-wide frequency is based on the linear regression of Total Mass estimates over the time frame. The decision logic is based on the slope, R2 and COV of the linear Regression of the total mass.

AAA+|-AAA
TEXT SIZE

Compound	Lin. Regr. (Plume Mass)		Variability of Mass Change Coefficient of Variation	Typical Monitoring Frequency in Timeframe	Recommended Frequency
	Slope	R-squared			
1,4-DIOXANE (P-DIOXANE)	0.000124	0.015	0.31	Annual	Annual
TETRACHLOROETHYLENE(PCE	-0.000296	0.462	0.16	Annual	Every 5 Years

Bedrock Aquifer