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RCRA CORRECTIVE MEASURES IMPLEMENTATION (CMI) REPORT
FORMER ALCATEL FACILITY
2912 WAKE FOREST ROAD
RALEIGH, NORTH CAROLINA 27609
NCD 003-185-238

Prepared For:
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Submitted to:
North Carolina Department of Environment
and Natural Resources
Division of Waste Management,
Hazardous Waste Section

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EXECUTIVE SUMMARY

AMEC Environment & Infrastructure, Inc (AMEC) has completed the Corrective Measures Implementation (CMI) report for the former Alcatel Sourcing Facility located at 2912 Wake Forest Road, Raleigh, North Carolina. The purpose of this CMI report is to address the components of the Corrective Measures Study (CMS) which recommended the remedial actions to be implemented at the facility. The CMI includes a summary of pre-remediation site conditions, remedial activities performed in April 2012, and the proposed post-remediation monitoring activities.

The corrective measures described in the CMS have been implemented in accordance with the requirements specified in that document. The measures were designed to reduce the residual concentration of constituents of concern (COCs) in the groundwater through the implementation of in-situ chemical oxidation (ISCO), with the ultimate goal of promoting reductions in concentration at or below the North Carolina Administrative Code 15A Subtitle 2L Section .0202 (g) (2L Standard) through monitored natural attenuation (MNA). The purpose of this CMI report is to provide a record of the implementation of these measures and provide indicators on the effectiveness of the remedial measures.

ISCO via soil blending was implemented as the remedial action for reducing concentrations of COCs in the source area. ISCO soil blending provided an alternative method to deliver oxidants to the subsurface. This method involved the use of an in-situ blender to effectively distribute chemical amendments, including persulfate, throughout the soil column. Persulfate catalyzed by sodium hydroxide was applied to the target 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).

Following the remedial activities, a groundwater monitoring event was performed to evaluate the performance of the remedial activities and provide semi-annual monitoring data as required by the hazardous waste permit requirements for the site. Post-remediation sampling of key monitoring points showed an overall reduction in the primary COCs in the source area. As stated in the CMS, the goal of the remedial activities was to reduce contaminant mass in the shallow aquifer material located in the source area so that MNA can be utilized to address the remaining dilute plume. The remedial method employed has been successful in reducing the contaminant mass present in the shallow aquifer in the source area. Additional monitoring according to the Sampling and Analysis Plan (SAP) shall be performed to evaluate the natural attenuation of COCs in the groundwater.

1.0 INTRODUCTION

1.1 Background

A Corrective Measures Study (CMS) was prepared by AMEC Environment & Infrastructure, Inc. (AMEC) for the former Alcatel USA Sourcing, Inc. facility (Alcatel) located at 2912 Wake Forest Road in Raleigh, Wake County, North Carolina (subject site) (Figure 1). The former Alcatel facility operates under the Resource Conservation and Recovery Act (RCRA) Hazardous Waste Permit NCD-003-185-238 (Permit). The Permit requires that Alcatel-Lucent USA, Inc. (ALU) investigate and address historic releases of hazardous waste and hazardous constituents that may have occurred at the site. Under this permit, ALU has performed interim corrective measures from 1996 until 2011, through the extraction and treatment of groundwater and eventual reinjection of treated groundwater. During this time, Interim Measure Progress Reports were prepared and submitted on a semi-annual basis to the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM); the regulatory agency responsible for enforcing the provisions of the Permit. The overall effectiveness of the reduction of contaminants in the groundwater from the pump and treat system reached its limit as evidenced by asymptotic concentrations witnessed over several groundwater monitoring events. This resulted in the preparation of a CMS in October 2010, which detailed the recommended remediation strategy for further treating the chlorinated solvent impacted groundwater beneath the subject site. The CMS was approved by the NCDENR DWM on November 2, 2010, and remedial efforts detailed in the CMS were implemented at the subject site in April 2012. As part of these efforts, this Corrective Measures Implementation (CMI) Report has been prepared to address the following components of the CMS:

- Document pre-remediation baseline site conditions
- Detail the remediation activities performed in April 2012
- Present the post-remediation groundwater monitoring event performed in October 2012
- Present the proposed post-remediation monitoring to measure the efficiency of the remedial activities.

1.2 Purpose

The corrective measures described in the CMS have been implemented in accordance with the requirements specified in that document. The measures were designed to reduce the residual concentration of constituents of concern (COCs) in the groundwater through the implementation of in-situ chemical oxidation (ISCO), with the ultimate goal of promoting reductions in concentration at or below the North Carolina Administrative Code 15A Subtitle 2L Section .0202 (g) (2L Standard) through monitored natural attenuation (MNA). The purpose of this CMI report is to provide a record of the implementation of these measures and provide indicators on the effectiveness of the remedial measures.

1.3 Baseline Site Conditions

Since October 2007, AMEC has conducted semi-annual groundwater sampling at the former Alcatel facility. As part of the sampling event, approximately 18 to 20 monitoring wells are sampled and analyzed for volatile organic compounds (VOCs) using United States

Environmental Protection Agency (USEPA) Method 6210D, and 1,4-dioxane using USEPA Method 8260 with selective ion method (SIM) analysis. The semi-annual sampling event performed in October 2011 serves as the pre-remediation baseline conditions to measure the effectiveness of remediation activities performed in April 2012. As part of the October 2011 sampling event, 17 wells were sampled across the site: MW-2s, MW-3d, MW-3s, MW-4d, MW-4s, MW-12s, MW-13d, MW-13s, MW-14d, MW-2ik, MW-2sk, MW-3dk, MW-3sk, MW-5sk, MW-9dk, MW-9sk, and MW-12dk. The locations of these monitoring wells are provided on Figure 2. The analytical results of the groundwater samples collected as part of the October 2011 baseline sampling event are included in Table 1.

The remediation strategy outlined in the CMS was based, in part, on the results of an assessment performed in October 2008 that included the installation and sampling of temporary wells located within the former onsite building. In October 2008, AMEC installed temporary groundwater monitoring wells to further define where the highest concentrations of COCs were present within the shallow aquifer unit. The groundwater analytical results were used to identify areas beneath the floor slab of the building that needed to be addressed as part of the final groundwater remedial alternative. Groundwater samples were collected from temporary wells installed in borings SB-5, SB-8, SB-11, SB-12, SB-19, and SB-21 (Figure 2) from within the building footprint. The results from this sampling event provided the center of the remedial design and therefore, the analytical results of groundwater samples collected from these temporary wells will be compared to post remediation groundwater analytical results within the same area to evaluate remedial action effectiveness. The groundwater analytical results of samples collected from these temporary wells have been included in Table 2.

1.3.1 Baseline Potentiometric Groundwater Surfaces

As part of the semi-annual monitoring performed, depth to groundwater measurements were collected on October 24, 2011, from 43 existing recovery, containment recovery, injection, and monitoring wells located on the former Alcatel facility. Table 3 summarizes construction details for the site monitoring wells and water level elevations measured during the October 2011 and 2012 gauging events. As previously reported in the October 2011 Interim Measures Groundwater Monitoring Report, the overall direction of groundwater flow in both the water table and bedrock aquifer is towards the southwest. The average groundwater gradient at the water table is approximately 0.001 feet per foot (ft/ft).

1.3.2 Baseline Concentrations of Constituents of Concern

Twelve VOC compounds were observed in the October 2011 sampling event at concentrations exceeding their respective 2L Standards. These COCs included 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), benzene, carbon tetrachloride, chloromethane, naphthalene, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride and 1,4-dioxane. Total VOC isoconcentration maps detailing baseline conditions as reported in October 2011, are presented as Figure 3 for the unconsolidated aquifer, and Figure 4 for the deep bedrock aquifer.

The four most prominent constituents present in the unconsolidated and bedrock aquifer are 1,1,1-TCA, PCE, 1,1-DCE and 1,4-dioxane. The greatest concentration of COCs in the unconsolidated aquifer exists beneath the former chiller room and extends south approximately 100 feet beneath the main building. The remaining VOC plume consists of much lower dilute concentrations of various VOCs, and extends south and southwest beneath the main building, and onto the adjoining property to the south.

2.0 CORRECTIVE MEASURES

2.1 Corrective Action Objectives

Soil assessment activities performed have been successful in identifying the location(s) of chlorinated solvents. The excavation of impacted soil in 2008 has removed the remaining source material and greatly minimized the further degradation of groundwater. However, analytical results of post excavation soil samples indicate the presence of limited impacted soil remaining in the subsurface. With approval of the land owner, land use restrictions can be used instead to address any soil impact remaining. Since the soils can be addressed using engineering controls, soils were not addressed when considering the various remedial alternatives applicable to this site.

In support of the corrective action objectives, performance goals have been established to determine the extent of groundwater to be addressed under the proposed action. The performance goals for groundwater are the 2L Standards. The analytical results of samples collected as part of the October 2011 semi-annual sampling event, are included in this CMI report as a depiction of the pre-remedial conditions in the unconsolidated and bedrock aquifer. Groundwater samples collected from temporary wells in October 2008 (Table 2) are included to provide evidence to the concentration of COCs near the source area within the unconsolidated aquifer. The results from the 2011 sampling event are depicted in the isoconcentration maps presented as Figures 3 and 4. These maps show the extent of COCs at concentrations exceeding their respective 2L Groundwater Standard prior to the April 2012 remedial action. The successful treatment of large dilute plumes is technically challenging. Treatment of the plume at the former Alcatel site to meet 2L Standards cannot be guaranteed with the active remedial methods currently available. ALU implemented the corrective measures to move the site toward an MNA alternative, allowing the physical processes of advection, dispersion and adsorption to address the remaining downgradient low concentrations of COCs. For the long term success of the MNA alternative, removal of mass material in the source area will promote the creation of a shrinking plume, and decrease overall cleanup times and monitoring costs. The objective of the corrective measures presented in this CMI report is to reduce contaminant mass material in the source area.

2.2 Remediation System Design

The CMS recommended ISCO via soil blending as the preferred treatment method for the site to reduce the concentration of COCs in the source area. In-situ soil blending provides an alternative method to deliver oxidants to the subsurface, where direct injection may not provide sufficient delivery. This method involves the use of an in-situ blender to effectively distribute

chemical amendments, including persulfate, throughout the soil column. The remediation system was designed so that the use of soil blending was effective in treating impacted saturated soil and groundwater rather than unsaturated impacted soils.

The remedial action was designed to address the remaining source material, thereby making MNA a viable remedial alternative for the remainder of the impacted groundwater. The target zone included the shallow saturated soil column where the spatial area has total VOC concentrations in the groundwater that exceed approximately 1,000 micrograms per liter (µg/L) (Figure 5). With the previous removal of the impacted soils, the majority of the contaminant mass remaining lies in this shallow aquifer material. Therefore, the zone targeted for remediation included the saturated portion of the soil column encompassing a volume of approximately 2,000 cubic yards of soil that extended from a depth of approximately 13 feet bls to approximately 22 feet bls. In this design, the unsaturated, non-impacted portion of the soil column from ground surface to approximately 13 feet bls was removed from the treatment area to gain access to the treatment zone.

A limiting factor associated with this technology is the depth of the treatment zone and equipment access. By removing the upper 13 feet of unsaturated overburden, the excavation was benched allowing the blender to reach the targeted depths of up to 25 ft bls. To provide adequate access for the operation, the building overlying the treatment area was demolished and the debris removed.

Another limiting factor can be the type of equipment available to reach the intended treatment depths. For this treatment design, the saprolite and upper portion of the partially weathered rock (PWR) geologic zones required treatment using the soil blending method. However, the use of a traditional blender was not capable of addressing large rocks because they would break off the “teeth” on the mixing drum. Therefore, traditional blending equipment could not address bedrock or PWR with a high degree of unweathered rock. To meet the demands of this project, a dual-axis blender mounted on a large excavator with a modified diesel engine and hydraulic power system was employed. The mixer is capable of mixing dry soil as well as sludge material to depths of up to 15 ft bls. Deeper depths can be achieved if the excavation is benched. The 28-inch mixing drum with “teeth” is rotated at speeds up to 100 revolutions per minute (rpm) with torque of 20,300 feet pounds (ft-lbs). This allows the blender to penetrate all soil types, including saprolite and highly weathered PWR material.

Sodium persulfate was selected as the oxidant for soil blending because of its ability to successfully oxidize all the COCs, including 1,4-dioxane. Sodium hydroxide was selected as the catalyst to elevate the pH of the soil blending mixture to an approximate pH of 10.5 to 12, thus activating the sodium persulfate. Persulfate was applied in an average dosage of 15% solution by weight. Sodium hydroxide was applied at an average concentration of 25% solution by weight.

2.3 Remediation System Implementation

Prior to the arrival of the soil blending subcontractor on April 9, 2012, Doyle & Lang, LLC (Lang), the excavation contractor, Ammons Resource Group (Ammons), removed the concrete cover and the upper ten feet of clean soil, and stockpiled it outside the area of excavation. The site

preparation work was performed from April 2 - 8, 2012. Based on the proposed treatment area, Lang developed a treatment grid (Figure 5) that included 82 treatment cells. The purpose of the approximately 10 ft by 10 ft treatment cells was so that the chemicals could be distributed with accuracy. The limits of excavation were surveyed using GPS equipment, permitting the chemical application to be measured from within the cab of the dual-axis blending equipment. Appendix A contains photographic log of the field activities.

Lang provided two major pieces of equipment; the dual-axis blending equipment, and a truck outfitted with two 200-gallon tanks for mixing sodium persulfate and sodium hydroxide. The mixing truck also contained two pallet-sized scales which were used to measure the mass of chemicals mixed per cell. A tote of sodium persulfate was located on a scale and a pallet of sodium hydroxide drums was located on the second scale. Using a vacuum delivery system, sodium hydroxide and sodium persulfate were transferred to the mixing tanks, along with the volume of water (from a nearby fire hydrant) necessary for dilution to reach the proper concentrations. Each batch formulation was altered depending on the size of the cell and if field observations indicated chemical adjustment was necessary. The pH in each mixing cell was checked using a YSI 556 to determine if the target pH of 10.5 to 12 was being achieved. If the pH was too low or too high, Lang was notified and a formulation change was made to the subsequent batch.

Once Lang was ready to begin a row of cells, Ammons removed an additional five feet of overburden from the target row. The blending equipment entered the treatment excavation and began mixing in the target cell. The starting depth of treatment ranged from approximately 13 feet bls to 15 feet bls, corresponding to the depth of groundwater encountered in the treatment cells. In each cell, the treatment mixing depth was attempted to extend to a maximum of 15 feet according to the limits of the equipment; however, the total depth was found to be limited in the majority of treatment cells by the presence of PWR and the inability of the mixing equipment to extend any deeper. Therefore, the total depth of the treatment zone did not extend beyond a depth of 28 feet bls.

Standard sized cells were divided into quarters and were thoroughly mixed within each quarter of the cell (Figure 5). Approximately 30 minutes was spent in each cell. Over the course of the blending operation, 17,600 lbs of sodium persulfate and 25,760 lbs (2,417 gallons) of sodium hydroxide were used. Each standard cell size received approximately 217 lbs of sodium persulfate and 318 lbs of sodium hydroxide, formulated into a 200-gallon aqueous solution. Approximately 50 gallons of solution were delivered to each quarter of a standard cell. The soil blending activities were completed over the course of six days from April 11 – 17, 2012. After the completion of the soil blending activities, geotechnical fabric was placed over the treatment area and overburden was returned to the excavation. A photographic log showing the soil blending activities is provided in Appendix A.

3.0 POST-REMEDIATION GROUNDWATER MONITORING

To monitor the success of the remedial action, post-remediation groundwater monitoring is being conducted to assess the effectiveness of the remedial activities. The post-remediation groundwater monitoring includes the following:

- Installation of groundwater monitoring wells within the remediation area
- Replacement of upgradient monitoring well MW-2D
- Completion of semi-annual groundwater monitoring
- Preparation of groundwater monitoring reports.

3.1 Installation and Repair of Groundwater Monitoring Wells

In order to monitor the progress of the groundwater remediation system, four new groundwater monitoring wells were installed in the treatment area and damaged monitoring wells were repaired. Monitoring wells MW-13s, MW-13sr, MW-13d and MW-14d were formerly located in the treatment area, but were abandoned or removed during the remediation activities. In order to assess the groundwater conditions in the remediation area, three shallow monitoring wells (MW-22s, MW-23s and MW-24s) were installed in the unconfined shallow aquifer, and one deep monitoring well (MW-24d) was installed in the deeper bedrock aquifer. The monitoring wells were installed in locations as shown on Figure 2 and as described below:

- Shallow monitoring well MW-22s was installed near the southern extent of the treatment area and in the former location of MW-13s. Data from this well may provide details of the treatment effectiveness in the southwestern portion of the treatment area and immediately downgradient of the treatment area.
- Shallow monitoring well MW-23s was installed near the former location of MW-14d and temporary groundwater monitoring well SB-12 in the northern portion of the treatment area. Data from this well will help define the effectiveness of remedial efforts in that portion of the treatment area.
- Shallow monitoring well MW-24s and deep monitoring well MW-24d were installed near the center of the treatment area, and near the former location of temporary wells SB-5 and SB-19.

The shallow monitoring wells were installed as Type II monitoring wells to approximately 20 ft bls and completed with 2” Schedule 40 PVC casing, except for the basal 10 feet, which was completed with 0.01-inch slotted well screen. The deep monitoring well (MW-24d) was installed as a double cased, Type III monitoring well in the bedrock aquifer. A 6-inch isolation casing was installed three feet into competent bedrock material and grouted to the surface. The deep monitoring well was completed with 2” PVC inner casing and five feet of 0.01-inch slotted well screen to an approximate depth of 43 ft bls. Well schematics for each newly installed well are included as Appendix B.

Following the installation of the replacement monitoring wells, several wells which were damaged during the building demolition activities were repaired. The damaged wells required repairs including new manhole covers and concrete well pads. These wells included monitoring wells: MW-3d, MW-4s, MW-4d, MW-11s, MW-12s, MW-18i, MW-19i and MW-20i. The wells were repaired during the monitoring well replacement field activities in September 2012. Additionally, monitoring wells MW-2s, MW-3s, MW-17i and MW-22i could not be located during the October 2012 groundwater sampling event due to the recent building demolition and debris left onsite. However, a reconnaissance and the movement of debris at the site in April 2013

was able to locate all missing wells with the exception of MW-17i, which remains under a large amount of demolition debris. The monitoring wells found in April 2013 will be repaired for future groundwater monitoring events.

3.2 Replacement of Upgradient Monitoring Well MW-2D

During previous monitoring events, AMEC field personnel reported an obstruction in monitoring well MW-2d, at a depth of approximately 40 ft bls. The appearance of the obstruction coincided with high groundwater elevations in the well, a milky coloration in purged water, and unusually high pH readings. This combination of factors indicated that the obstruction was most likely caused by a break in the PVC casing, which has lead to the intrusion of grout from the annulus into the well. As such, monitoring well MW-2d was abandoned, and a replacement well was drilled approximately 40 feet to the north. The placement of the replacement well was determined by the presence of building rubble and the presence of a storm sewer line in the vicinity of MW-2d. The monitoring well was installed as a Type III well to a depth of 73 ft bls, and labeled as MW-2dr. The well was installed in the same manner as monitoring well MW-24d described in Section 3.1. The well schematic for newly installed well MW-2dr is included in Appendix B.

4.0 OCTOBER 2012 SEMI-ANNUAL GROUNDWATER MONITORING EVENT

Following the installation of the replacement wells, the regularly scheduled semi-annual groundwater monitoring event was conducted in October 2012. This semi-annual sampling event also represented the first post remediation monitoring event.

4.1 Potentiometric Groundwater Surfaces

Depth to groundwater measurements were collected on October 17, 2012. Groundwater elevations were measured from 35 existing recovery, containment recovery, injection, and monitoring wells. Several wells, including MW-2d, MW-2s, RW-1, RW-2, RW-5, MW-17i, MW-22i, IW-1, IW-2 and IW-3, were inaccessible, damaged or could not be located due to the building demolition activities completed in early 2012 and the remaining debris left onsite. For instance injection wells IW-1, IW-2 and IW-3 and recovery wells RW-1 and RW-2 were covered with large, concrete blocks. Additionally, several wells have been abandoned, including monitoring wells MW-13d, MW-13d, MW-13sr, and MW-14d, and therefore, were not gauged. Table 3 summarizes construction details for the site monitoring wells and water level elevations measured during the October 2012 gauging event. Figures 6 and 7 show the potentiometric surface and groundwater elevations at the water table, and in the bedrock aquifer, respectively. In an attempt to replace monitoring well MW-2d, the replacement well (MW-2dr) was installed to the north of the original well location. Based on the water level elevation recorded in monitoring well MW-2dr, it appears that the fracture intersected was not connected to the same fracture zone intersecting the other deep monitoring wells in the vicinity; therefore, the water elevation data from MW-2dr was not used when preparing the potentiometric surface for the deep aquifer.

Depth to groundwater measurements collected in October 2012, from both the shallow and deep bedrock and recovery wells, exhibited on average a 1.3-feet decrease in elevation, as compared to previous results. The overall direction of groundwater flow in both the water table and the bedrock aquifer continues towards the southwest.

4.2 Groundwater Sampling

The semi-annual groundwater sampling event was conducted from October 17 - 22, 2012, in accordance with the RCRA Facility Investigation Work Plan. All future sampling events at the site will be performed according to the 2013 Sampling and Analysis Plan (SAP). Groundwater samples were collected from existing monitoring wells MW-3d, MW-4d, MW-4s, MW-12s, MW-2ik, MW-2sk, MW-3dk, MW-3sk, MW-5sk, MW-9dk, MW-9sk and MW-12dk. In April 2011, AMEC began collecting groundwater samples from select wells including MW-17i, MW-18i, MW-19i, MW-20i, MW-21i and MW-22i, which were installed in 2009 to assess the intermediate portion of the aquifer. However, monitoring wells MW-17i and MW-22i were not accessible during the October 2012 groundwater sampling event due to building demolition and debris remaining on the property; and therefore could not be sampled. In addition, the five new replacement wells (MW-2dr, MW-22s, MW-23s, MW-24s and MW-24d), which were installed in September 2012 to evaluate the remediation efforts, were also sampled. The wells were purged and sampled using either a decontaminated submersible pump with clean tubing, or a disposable bailer. After purging, each well was allowed to recover to a minimum of 80 percent of its static water column height before collecting a sample. During sampling activities, the dissolved oxygen (DO), oxygen reduction potential (ORP), conductivity, pH, and temperature of the groundwater were measured. The locations of the monitoring wells are presented in Figure 2.

The groundwater samples were transferred directly from the tubing into pre-chilled laboratory-supplied containers. The groundwater samples were transported under chain-of-custody protocol to Prism Laboratories, Inc. of Charlotte, North Carolina. The samples were analyzed for the presence of VOCs using USEPA Method 6200B, and 1,4-dioxane using USEPA Method 8260 SIM. All purge water was containerized in a 55-gallon drum, labeled and left on site in a secure location.

4.3 Analytical Results

4.3.1 General

Six VOCs have historically been identified in the groundwater (1,1,1-TCA, 1,1-DCA, 1,1-DCE, TCE, PCE and 1,4-dioxane). A summary of the groundwater analytical data for the past five years is provided in Table 1. The laboratory analytical results from the October 2012 semi-annual event are included in Appendix C, and summarized in Table 4. Twelve VOC compounds were observed in the October 2012 sampling event at concentrations exceeding their respective 2L Standards, including 1,1,1-TCA, 1,1-DCE, 1,1-DCA, 1,2-DCA, benzene, bromomethane, ethanol, chloromethane, PCE, TCE, vinyl chloride and 1,4-dioxane. Chloromethane (detected in MW-23s, MW-24s, MW-24d), bromomethane (detected in MW-23s), and ethanol (detected in MW-23s and MW-24s) were detected in monitoring wells located in the treatment area. With the

exception of the sample collected from monitoring well MW-5sk in October 2011, chloromethane and bromomethane have not been detected in the groundwater at the site. The presence of these constituents at higher concentrations in the groundwater near the treatment area, combined with the understanding that bromomethane and chloromethane are commonly generated during chlorination of drinking water, indicates it was likely a result of soil mixing activities as a large volume of city water was introduced to the aquifer. Additionally, ethanol has not historically been detected on the site and the source is unknown. The concentrations of these constituents will continue to be monitored.

To provide an overview of the extent of impact, isoconcentration maps showing the distribution of total VOCs in both the unconsolidated and bedrock units, based on the October 2012 sampling event, are provided as Figures 8 and 9, respectively. When compared to historical results as shown in Figure 3 and 4, these figures show an overall reduction in the area of impact. In particular, the areas on the isoconcentration maps encompassed by the 10 µg/L and 100 µg/L isoconcentration lines (Figures 8 and 9), are smaller during this sampling event as compared to October 2011 (Figures 3 and 4). Additionally, there has essentially been no change in the shape and extent of the total VOC contaminant plume.

Isoconcentration maps of three of the most prevalent chlorinated solvents and degradation products (1,1,1-TCA, PCE, and 1,1-DCE) are included for the unconsolidated zone (Figures 11a and 12a), and the bedrock aquifer (Figures 10, 11b and 12b). Isoconcentration maps are included that show the distribution of 1,4-dioxane in the unconsolidated and bedrock aquifers, respectively (Figures 13a and 13b).

4.3.2 1,1,1-TCA

The 1,1,1-TCA source is believed to have been an aboveground storage tank (AST) along the north end of the building, near former monitoring well MW-14d and existing monitoring well MW-23s. Analytical data from the past five years indicates that 1,1,1-TCA concentrations have fluctuated such that concentrations have both exceeded and fallen below the 2L Standard in MW-14d. Historically, elevated concentrations of 1,1,1-TCA have existed in the unconsolidated unit, primarily beneath the former Alcatel property and in the bedrock aquifer. More recent sampling events indicate that 1,1,1-TCA concentrations exceeding 2L Standards have been relatively localized to the area around MW-4d. During the October 2012 sampling event, after remediation, the only location that exhibited 1,1,1-TCA concentrations exceeding the 2L Standard was in bedrock well MW-4d (210 µg/L), which is located downgradient of the suspected source area. 1,1,1-TCA was also detected at concentrations below the 2L Standards during the October 2012 sampling event in several monitoring wells (Figure 10).

4.3.3 PCE

Since ALU began conducting groundwater remediation activities, PCE concentrations have generally decreased over time. However, during the October 2012 sampling event, the concentration of PCE increased in many wells. Eleven wells in the unconsolidated unit contained PCE at concentrations exceeding the 2L Standard of 0.7 µg/L. These included wells MW-2sk (21 µg/L), MW-3sk (6.4 µg/L), MW-4s (38 µg/L), MW-12s (1.8 µg/L), MW-18i (61 µg/L),

MW-19i (31 µg/L), MW-20i (12 µg/L), MW-21i (560 µg/L), MW-22s (140 µg/L), MW-23s (34 µg/L) and MW-24s (5.3 µg/L) (Figure 11a). Six wells in the bedrock unit contained PCE at concentrations exceeding the 2L Standard. These included wells MW-2ik (430 µg/L), MW-3d (4.7 µg/L), MW-3dk (130 µg/L), MW-4d (1,100 µg/L), MW-9dk (14 µg/L) and MW-24d (20 µg/L) (Figure 11b). Based on this most recent set of analytical data, the geometry and extent of the PCE contaminant plume in the bedrock aquifer has remained similar to past sampling events with no significant expansion or reductions. The absence of PCE in the groundwater sample collected from the downgradient shallow aquifer monitoring well MW-9sk, indicates that the leading edge of the PCE plume in the shallow aquifer remains upgradient of MW-9sk and downgradient of MW-3sk.

Degradation products of PCE are present within the groundwater plume, including TCE and cis-1,2-dichloroethene (cis-1,2-DCE). TCE was present in bedrock wells MW-2ik, MW-9dk, and wells within the unconsolidated aquifer including MW-2sk, MW-5sk, MW-19i, and MW-22s.

4.3.4 1,1-DCE

The majority of 1,1-DCE is present due to the abiotic degradation of 1,1,1-TCA. Since October 2003, only one well in the unconsolidated zone, MW-13s, has consistently exceeded the 2L Standard of 7 µg/L for 1,1-DCE. In October 2012, several monitoring wells exceeded the 2L standard for 1,1-DCE in the unconsolidated aquifer, such as MW-2sk (19 µg/L), MW-18i (10 µg/L), MW-19i (48 µg/L), MW-20i (35 µg/L), MW-21i (48 µg/L) and MW-22s (34 µg/L).

Six wells completed in the bedrock unit contained 1,1-DCE at concentrations exceeding the 2L Standard. This included monitoring wells MW-2ik (65 µg/L), MW-3d (11 µg/L), MW-3dk (27 µg/L), MW-4d (80 µg/L), MW-9dk (15 µg/L), and MW-24d (28 µg/L) (Figure 12b). The limits of the 1,1-DCE contaminant groundwater plume that exceeds the 2L Standard extends to the adjacent southern property in both the unconsolidated and bedrock aquifers, as seen in MW-2sk (17 µg/L) and MW-9dk (10 µg/L).

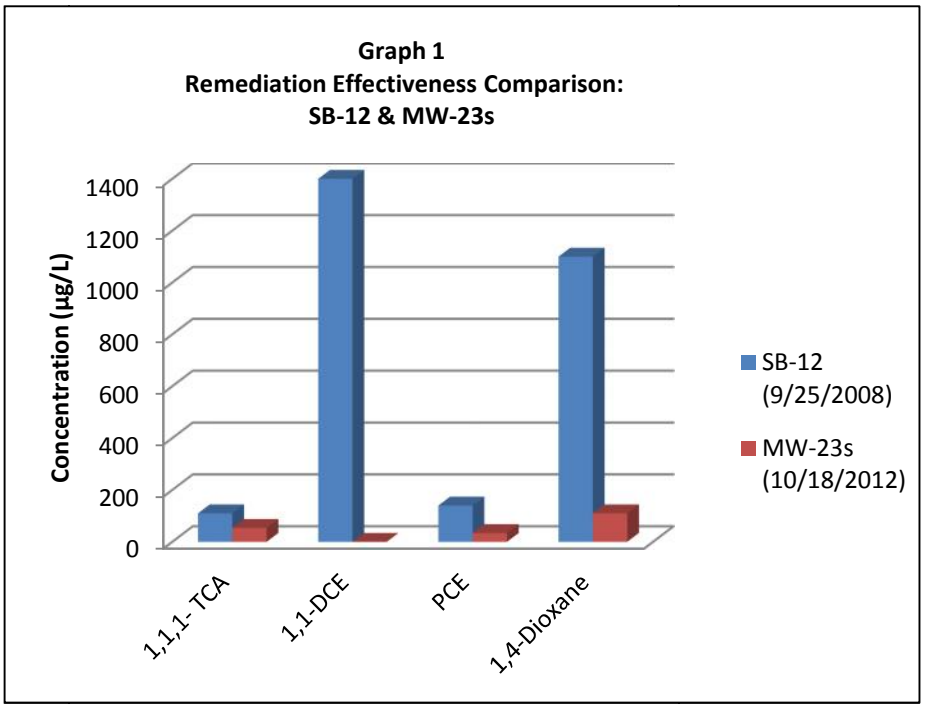
4.3.5 1,4-Dioxane

The compound 1,4-dioxane is commonly associated with 1,1,1-TCA. Groundwater samples collected at the site have been analyzed for the presence of this constituent since 2005. Figures 13a and 13b show the lateral distribution of the compound in both the unconsolidated and bedrock aquifers, respectively. Concentrations of 1,4-dioxane were observed to be slightly lower in groundwater samples collected from the unconsolidated aquifer during the October 2012 sampling event, as compared to the October 2011 event. In particular, a lower 1,4-dioxane concentration was observed in the samples collected from wells MW-3s, MW-4s and MW-12s. The highest concentration of 1,4-dioxane (760 µg/L) was encountered in well MW-22s, which is slightly lower than the concentration detected in October 2011 in MW-13s (1,000 µg/L), located in close proximity to MW-22s. Generally, the unconsolidated aquifer exhibits higher concentrations of 1,4-dioxane than is present in the underlying bedrock aquifer; however, the lateral extent of 1,4-dioxane observed in the bedrock aquifer is greater, but it has remained stable over the past year. Three successive sampling events have identified the presence of

1,4-dioxane in the sample collected from well MW-9dk, located along Six Forks Road. 1,4-Dioxane concentrations exceeded the 2L Standard of 3 µg/L in wells MW-2ik (98 µg/L), MW-2sk (69 µg/L), MW-3dk (16 µg/L), MW-4d (6.2 µg/L), MW-9dk (17 µg/L), MW-12s (30 µg/L), MW-18i (20 µg/L), MW-19i (46 µg/L), MW-20i (30 µg/L), MW-22s (760 µg/L), MW-23s (110 µg/L), MW-24d (30 µg/L) and MW-24s (350 µg/L).

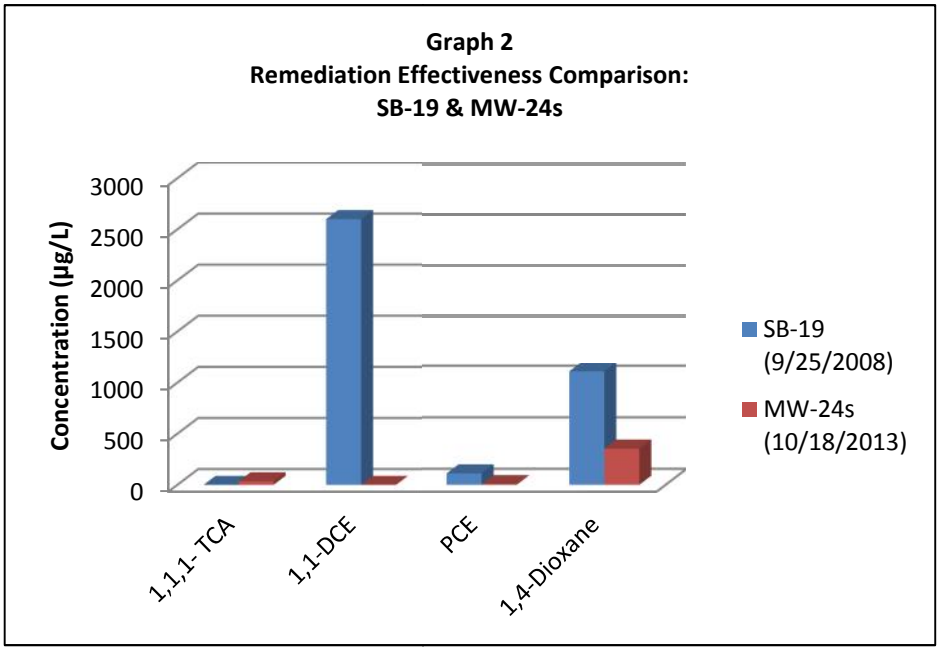
4.4 Results of Remediation Activities

The October 2012 semi-annual sampling event also served as the first post-remediation groundwater monitoring event for the remediation activities performed in April 2012. The area targeted for treatment is shown on Figure 2. Several temporary and permanent monitoring wells were identified in the treatment area as key well pairs for monitoring the performance of the remediation activities. The following well pairs were evaluated to determine the performance of the remedial activities: temporary well SB-12 and newly installed well MW-23s; abandoned and removed wells MW-13s and MW-13sr, as well as temporary well SB-19 compared to results of newly installed well MW-24s.

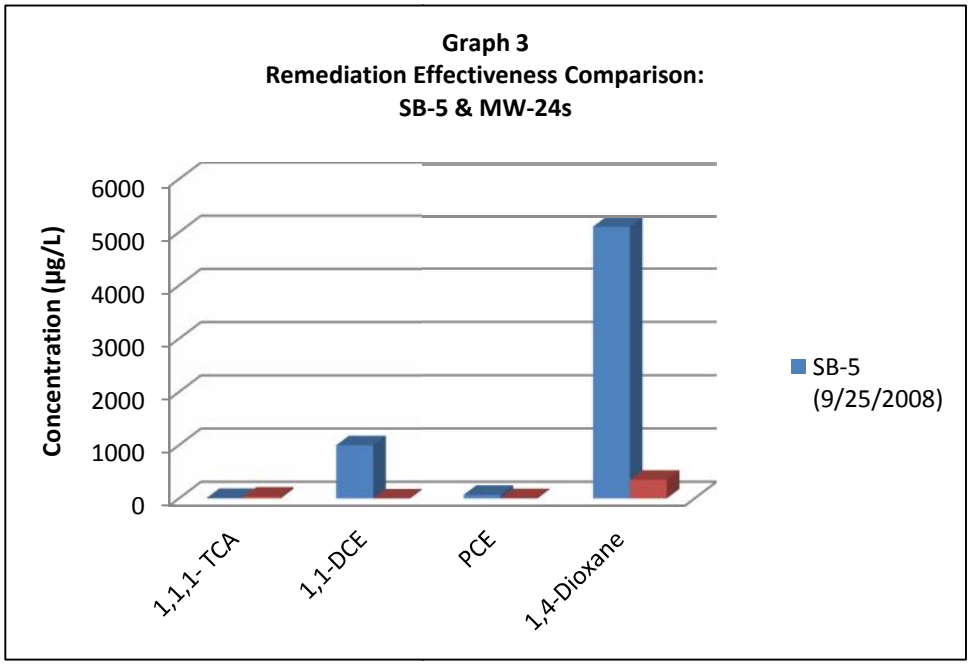


The analytical results of the groundwater sample collected from the first well pair, SB-12 and MW-23s, reveals an overall 72% reduction in total VOCs detected in the groundwater. This is excluding the presence of constituents such as ethanol, chloromethane and bromomethane, as these appear to be related to the remediation efforts and not an indicator of groundwater impact from former site operations. Furthermore, the data reveals that there was a 90% reduction in the concentration of 1,4-dioxane in this area of the groundwater plume. Graph 1 shows a comparison of key constituents in temporary well SB-12 and monitoring well MW-23s, used to show the effectiveness of the remediation efforts.

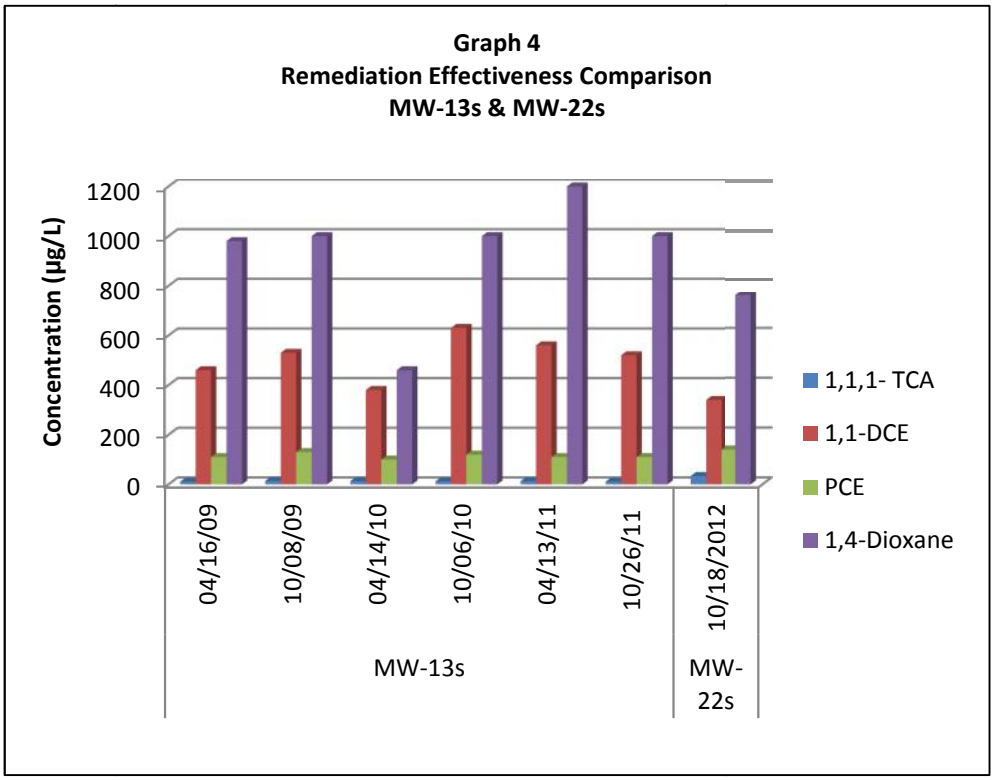
The analytical results of the groundwater sample collected from the second well pair, SB-19 and MW-24s, reveals an overall reduction in total VOC concentration of 81%. Graph 2 shows a comparison of key constituents in temporary well SB-19 and monitoring well MW-24s. In particular, the concentration of 1,4-dioxane was reduced by approximately 68%. When comparing analytical results from the sample collected from MW-24s to the results of the temporary well SB-5, a reduction of 88% was observed in total VOCs and a reduction of 93% was observed in 1,4-dioxane.



Graph 3 shows a comparison of key constituents in the third well pair, SB-5 and MW-24s.



Finally, the comparison of historical results from former monitoring well MW-13s and newly installed well MW-22s reveal little reduction of contaminants just outside the treatment area. As an example, the total concentration of VOCs in the groundwater and 1,4-dioxane concentrations were each reduced by 24% from baseline to post remediation results. Graph 4 shows a comparison of key constituents in abandoned well MW-13s and monitoring well MW-22s over time. The data shown on Graph 4, from April 2009 to April 2012, were collected from abandoned well MW-13s and the final data point shown on October 18, 2012, was collected from monitoring well MW-22s.



Overall, the source area (i.e., treatment area) which previously contained concentrations of 1,4-dioxane in the groundwater ranging from 120 µg/L to 5,100 µg/L, now has concentrations ranging from 110 µg/L to as high as 760 µg/L. PCE, previously detected at concentrations ranging from 48 µg/L to 480 µg/L, is now present at concentrations ranging from 5.3 µg/L to 34 µg/L. Likewise, 1,1,-DCE concentrations previously ranged from 210 µg/L to 2,600 µg/L in the groundwater treatment area prior to remedial efforts. Post-treatment, 1,1,-DCE was not present above the analytical method detection limit from samples collected from monitoring wells MW-23s and MW-24s. The reduction of these COCs in the treatment area indicates a reduction in concentration in the source area and treatment area.

4.5 Proposed Remedial System Monitoring

As documented in the SAP (AMEC 2013), the groundwater monitoring program will include samples from the unconsolidated and bedrock aquifers. The variety of sampling intervals will provide the most thorough data depicting the delineation of the contaminants. Refer to Figure 2 for the location of the wells on-site.

Prior to collecting groundwater samples during each sampling event, water levels will be measured throughout the site. This will include gauging static water levels in the following monitoring wells:

- MW-2dr
- MW-2s
- MW-2sk
- MW-2ik
- MW-3d
- MW-3sk
- MW-3dk
- MW-4s
- MW-4d
- MW-5sk
- MW-9sk
- MW-9dk
- MW-11
- MW-12s
- MW-12dk
- MW-16d
- MW-17i
- MW-18i
- MW-19i
- MW-20i
- MW-21i
- MW-22s
- MW-23s
- MW-24s
- MW-24d

After the above listed monitoring wells have been gauged, 11 shallow monitoring wells and 6 deep monitoring wells will be sampled. The monitoring wells will be sampled semi-annually until sufficient data are collected to support a change in the groundwater monitoring frequency. The following monitoring wells will be sampled during each monitoring event:

- MW-2dr
- MW-2s
- MW-3d
- MW-4s
- MW-4d
- MW-5sk
- MW-9sk
- MW-9dk
- MW-12s
- MW-12dk
- MW-18i
- MW-19i
- MW-21i
- MW-22s
- MW-23s
- MW-24s
- MW-24d

The SAP provides the list of monitoring wells to be sampled, the depths at which the samples are to be taken, and the analytes of concern at each well. Groundwater will be withdrawn from the monitoring wells using a low-flow pump with the intake located near the center of the well screen. The depth to the center of the well screen will dictate the sample collection method. Deeper wells will be sampled using a submersible pump, while shallow wells will be sampled using a peristaltic pump. The pump effluent will pass through a flow-through chamber containing probes to monitor water quality parameters. The monitored parameters will include temperature, pH, conductivity, ORP, DO and turbidity. With the exception of turbidity, these parameters will be measured with a Hanna 9828 (or similar) water quality meter. Turbidity will be measured with a Hanna 98703 (or similar) turbidimeter.

The pumping rate will be maintained between 100 to 300 milliliters per minute (mL/min) to maintain minimal drawdown effects and to limit suspension of any fine-grained sediments or aeration of the water being sampled. The water level in the well will be carefully monitored to

document that drawdown does not increase during purging. Drawdown and water quality parameters will be monitored and recorded approximately every three to five minutes. Water quality parameters will be documented on AMEC groundwater sampling forms. Purge water will be collected in 5-gallon buckets and subsequently transferred to steel 55-gallon drums. Sampling will be performed by disconnecting the down-hole tubing, prior to the flow-through cell, and placing it into the appropriate certified-clean laboratory sample containers. New disposable or dedicated sample tubing will be used at each well. Samples will be obtained first from monitoring wells in the historically least-contaminated area, and progress toward the historically most-contaminated area.

5.0 CONCLUSIONS

Based on the analytical results, the source area treatment was successful in reducing the overall concentrations of VOCs. Figures 11a, 12a and 13a reveal the reduction of PCE, 1,1-DCE and 1,4-dioxane in the source area and treatment zone, with 1,1,-DCE reducing to a concentration below the 2L Standard in the treatment area. Immediately downgradient of the treatment area, there is currently little reduction in the concentration of these COCs. Furthermore, the groundwater analytical results do not reveal an impact to the concentrations of COCs in the bedrock aquifer from the soil mixing remedial activities. As stated in the CMS, the goal of the remedial activities was to reduce contaminant mass in the shallow aquifer material located in the source area, so that MNA can be utilized to address the remaining dilute plume. The remedial method employed has been successful in reducing the contaminant mass present in the shallow aquifer in the source area. Additional monitoring, according to the SAP, will be performed to evaluate the natural attenuation of COCs in the groundwater.

6.0 REFERENCES

AMEC Environment & Infrastructure, *Corrective Measures Plan*, Former Alcatel Facility, October 2010.

AMEC Environment & Infrastructure, *Groundwater Sampling and Analysis Plan*, Former Alcatel Facility, March 2012.

FIGURES

AMEC Environment & Infrastructure, Inc.
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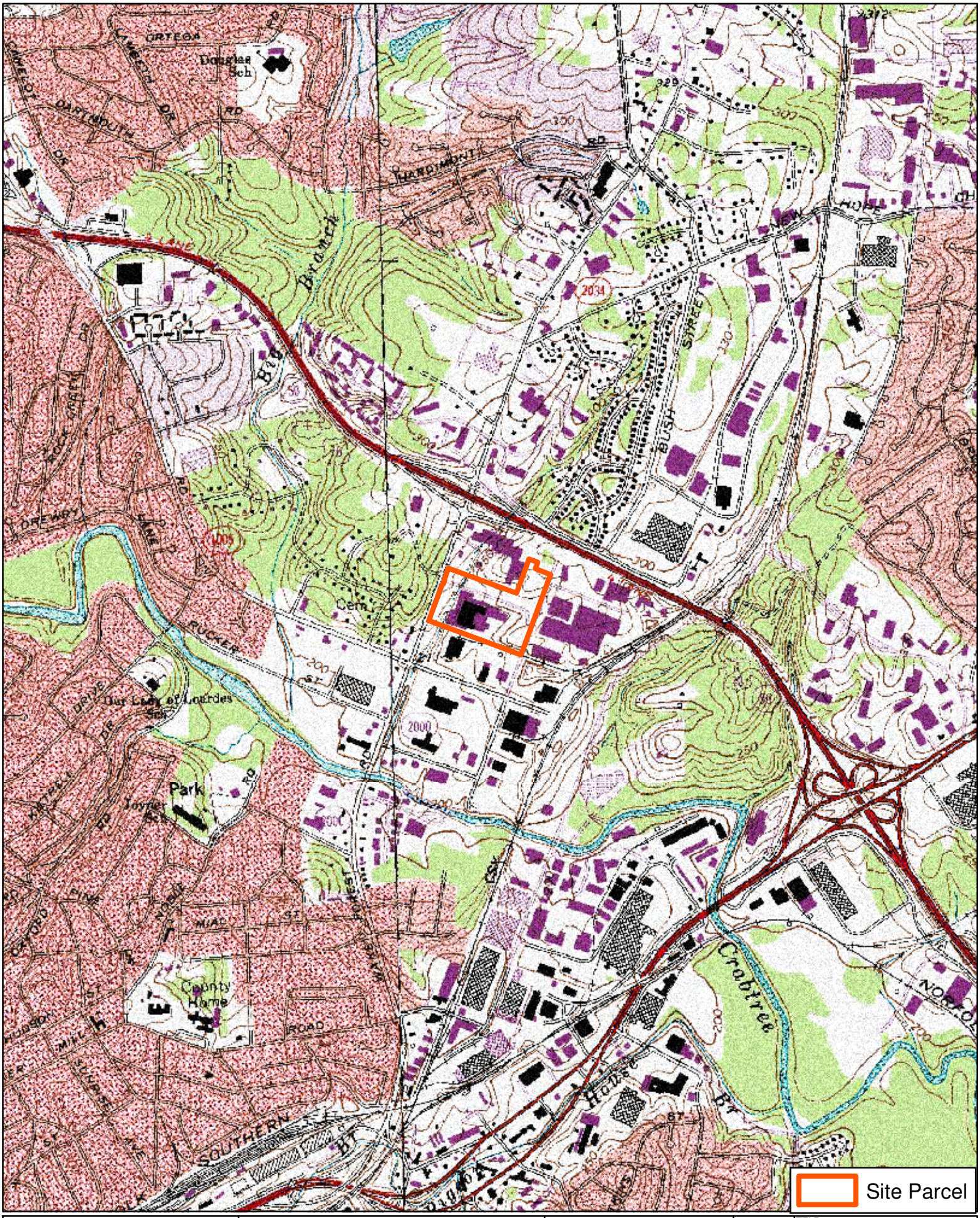

AMEC Environmenta & Infrastructure, Inc. 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	CLIENT: **ALCATEL-LUCENT USA, INC** **RALEIGH, NORTH CAROLINA**	amec	FIGURE: **1**	TITLE: **SITE AREA MAP**
	SITE: **FORMER ALCATEL USA FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609		DATE: 02/20/2013	DR: CPM · CHK: HWT · PROJ.: 565280000 · SCALE: 1" = 1500'

AMEC Environment & Infrastructure, Inc. 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9909	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **2**
amec	**TITLE:** **SITE LAYOUT**	**SCALE:** 1 " = 100 ' / **Date: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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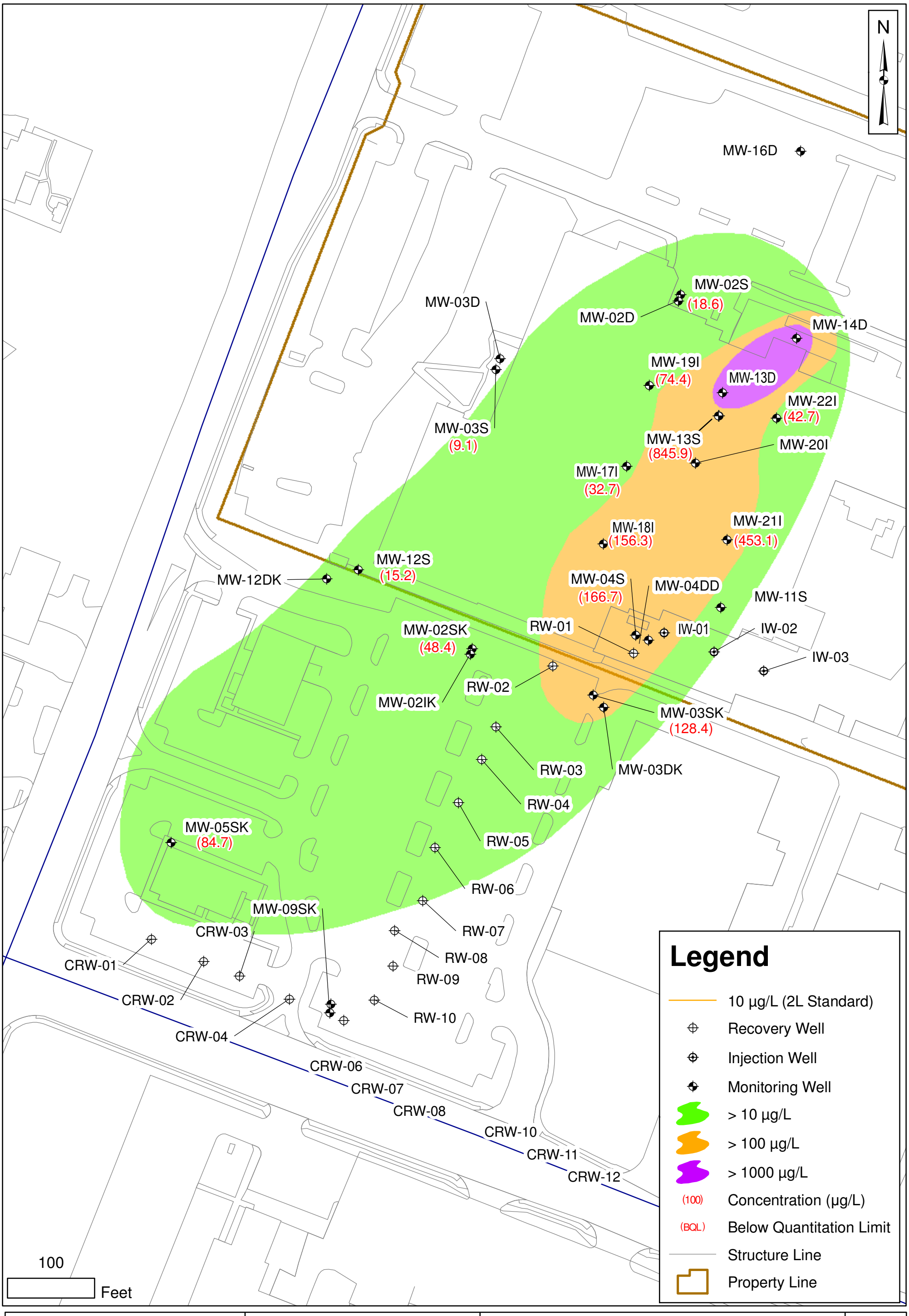

AMEC Environment & Infrastructure, Inc. 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **3**
amec	**TITLE:** **TOTAL VOC CONCENTRATION UNCONSOLIDATED AQUIFER (OCTOBER 2011)**	**SCALE:** 1 " = 100 ' / **DATE:** December 27, 2011 / **PROJECT:** 565280000 **DRAWN BY:** A. Kellogg / **CHECKED BY:** H. Thurston	

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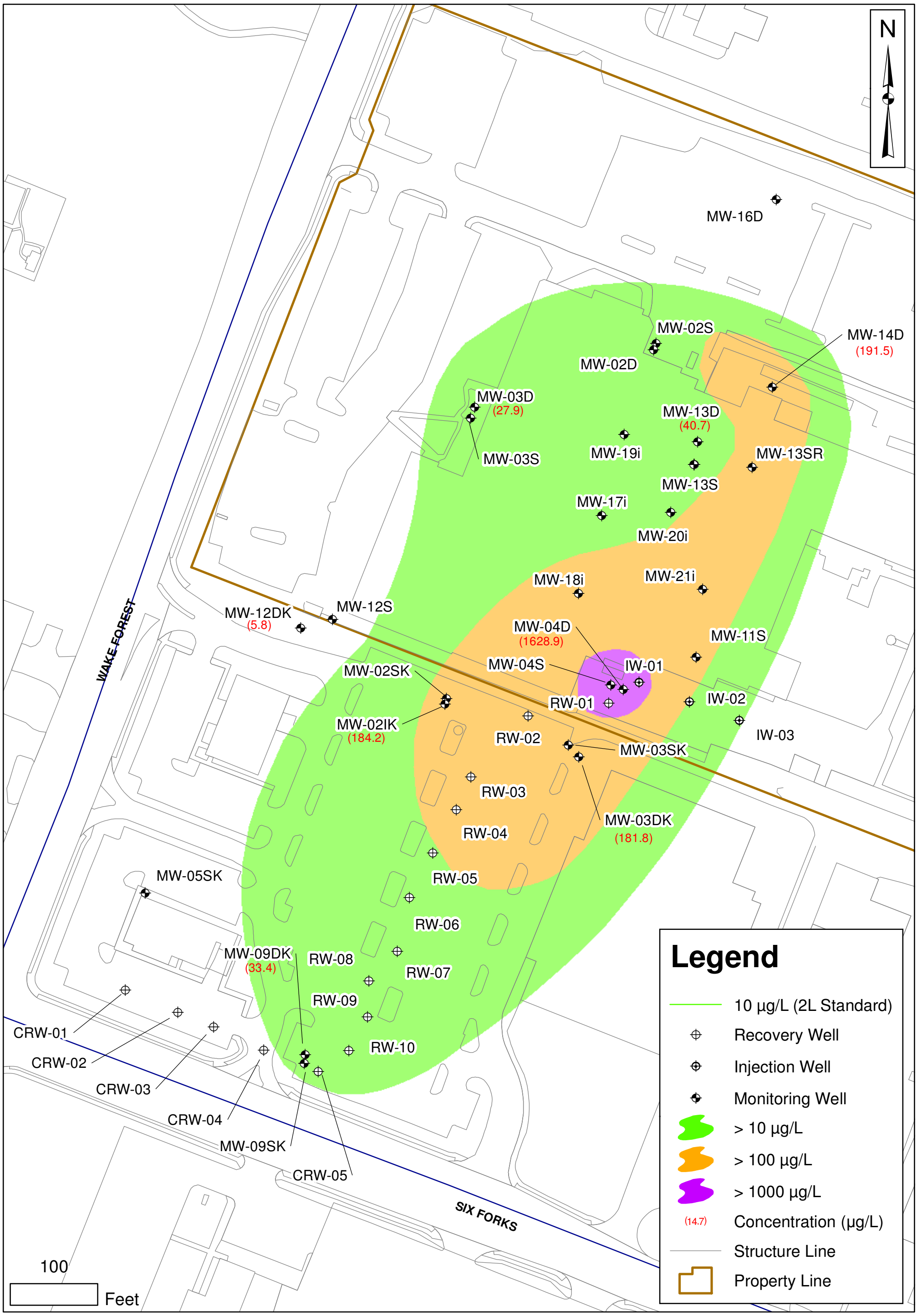

AMEC Environment & Infrastructure, Inc. 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **4**
amec	**TITLE:** **TOTAL VOC CONCENTRATION** **BEDROCK AQUIFER** **(OCTOBER 2011)**	**SCALE: 1" = 150'** / **DATE: December 27, 2011** / **PROJECT: 565280000** **DRAWN BY: A. Kellogg** / **CHECKED BY: H. Thurston**	

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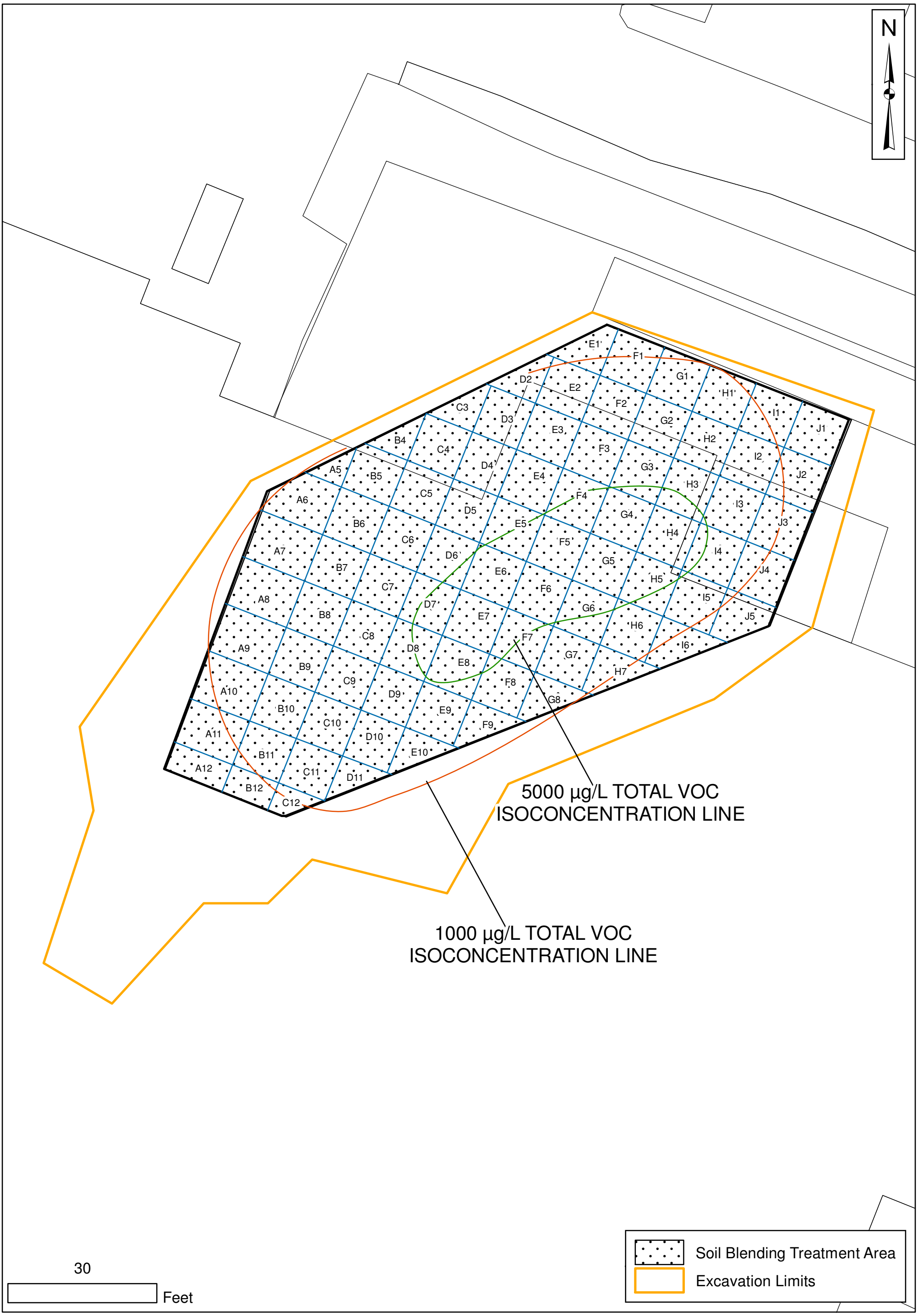

AMEC Environment & Infrastructure, Inc. 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	CLIENT: **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	SITE LOCATION: **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	Figure No. **5**
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		DRAWN BY: A.Kellogg / CHECKED BY: H. Thurston	
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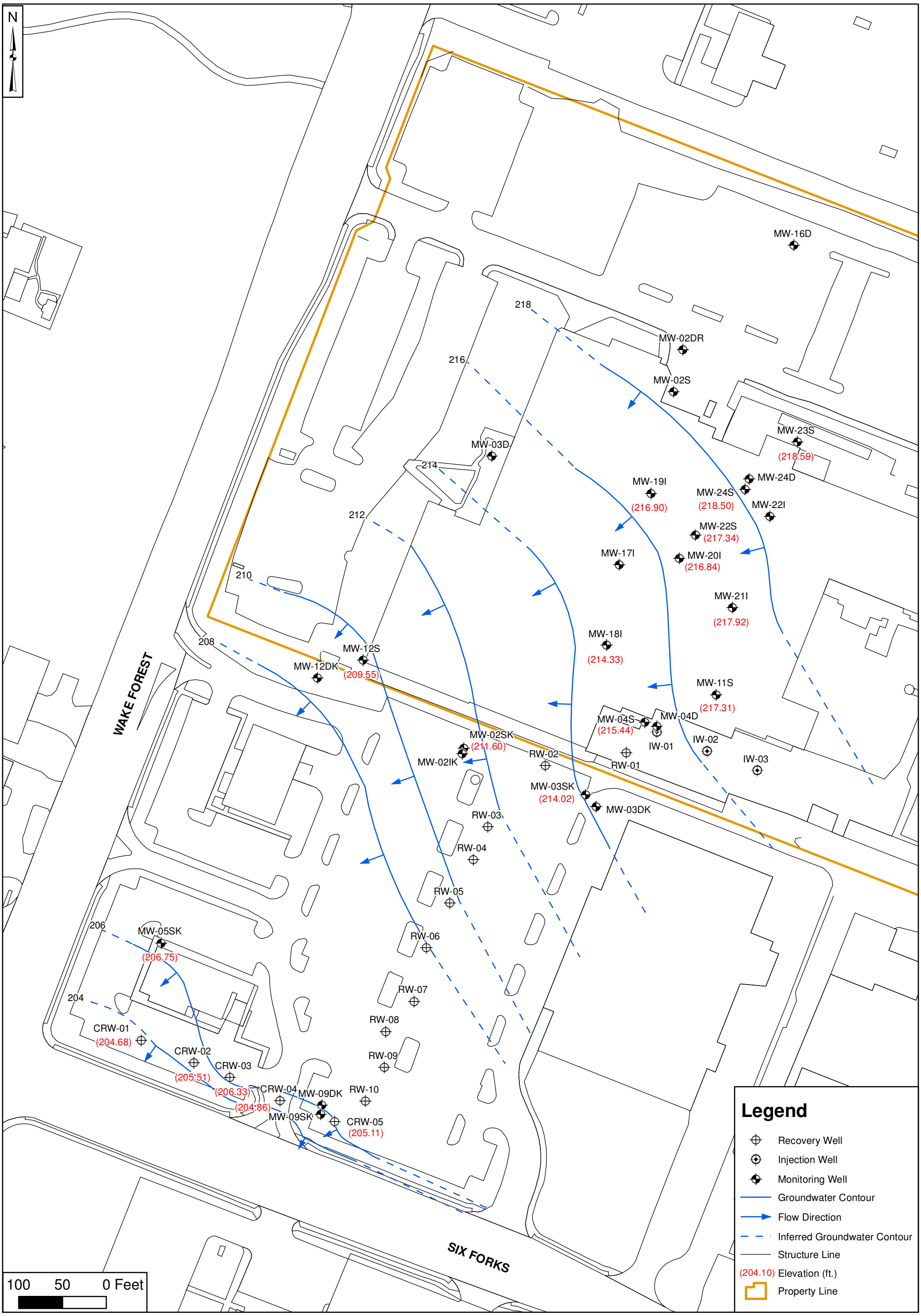

AMEC Environment & Infrastructure, Inc 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **6**
amec	**TITLE:** **POTENTIOMETRIC SURFACE MAP (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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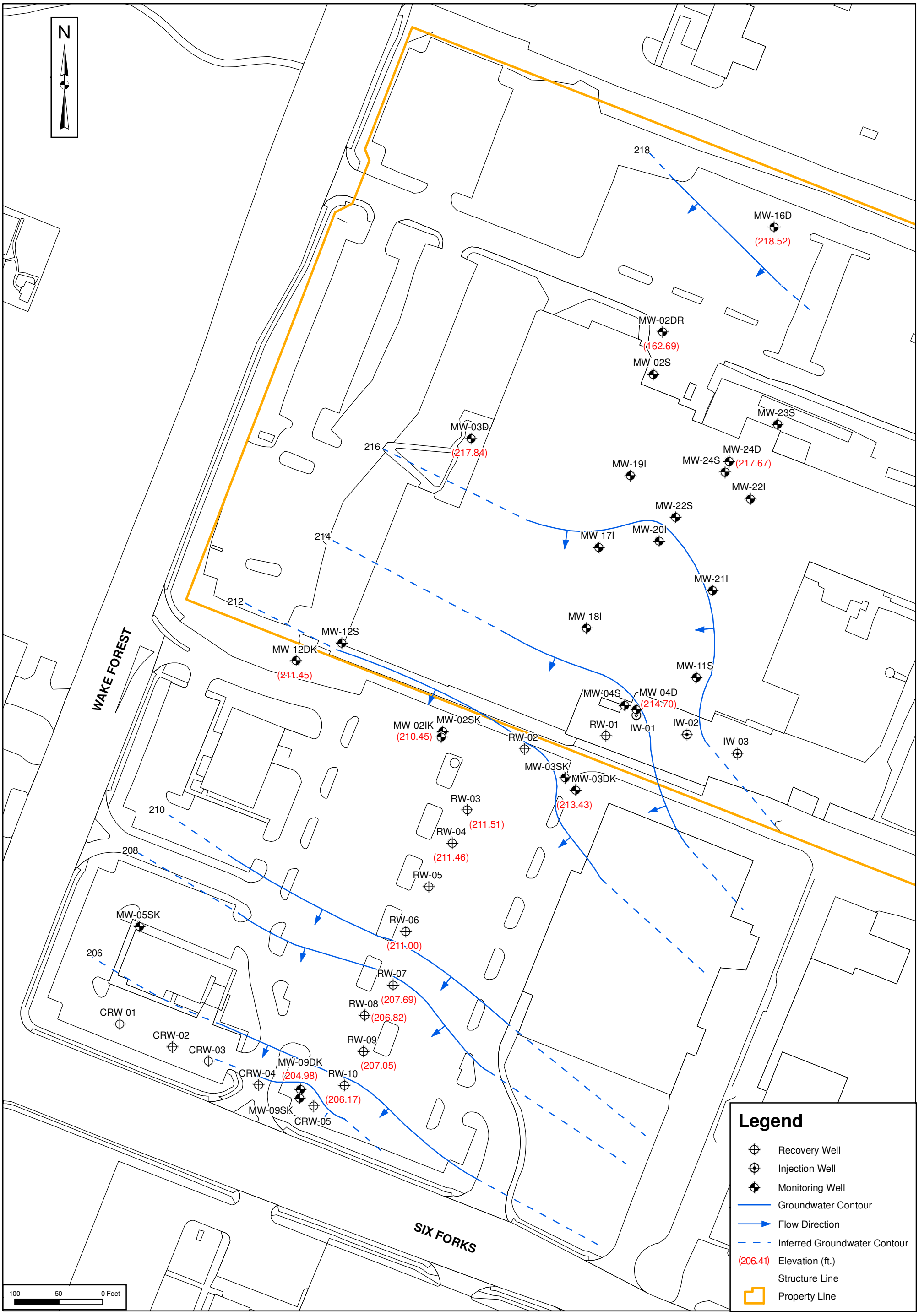

AMEC Environment & Infrastructure, Inc 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **7**
amec	**TITLE:** **GROUNDWATER ELEVATION** **BEDROCK AQUIFER** **(OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2012** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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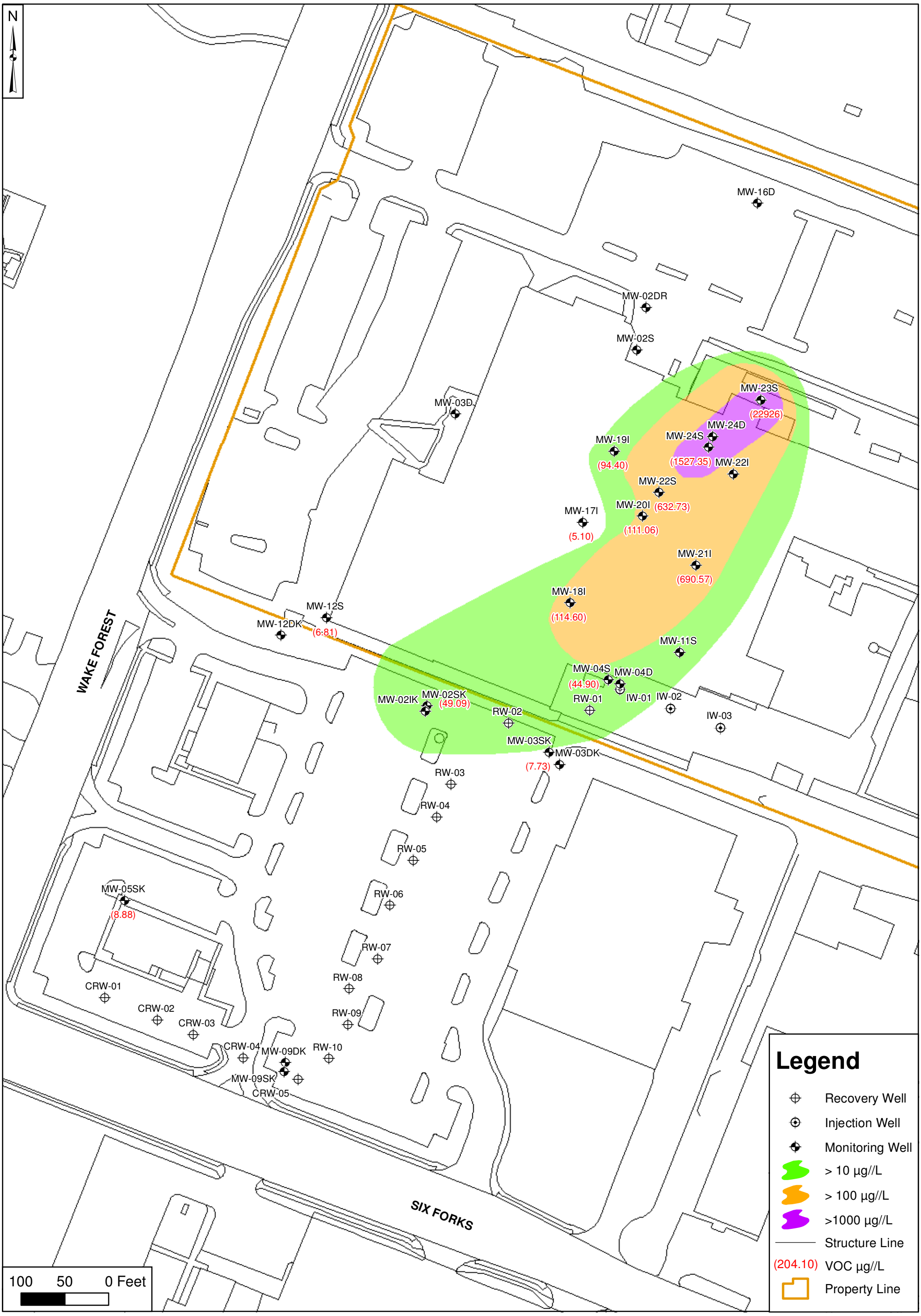

AMEC Environment & Infrastructure, Inc 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **8**
amec	**TITLE:** **TOTAL VOC CONCENTRATION UNCONSOLIDATED AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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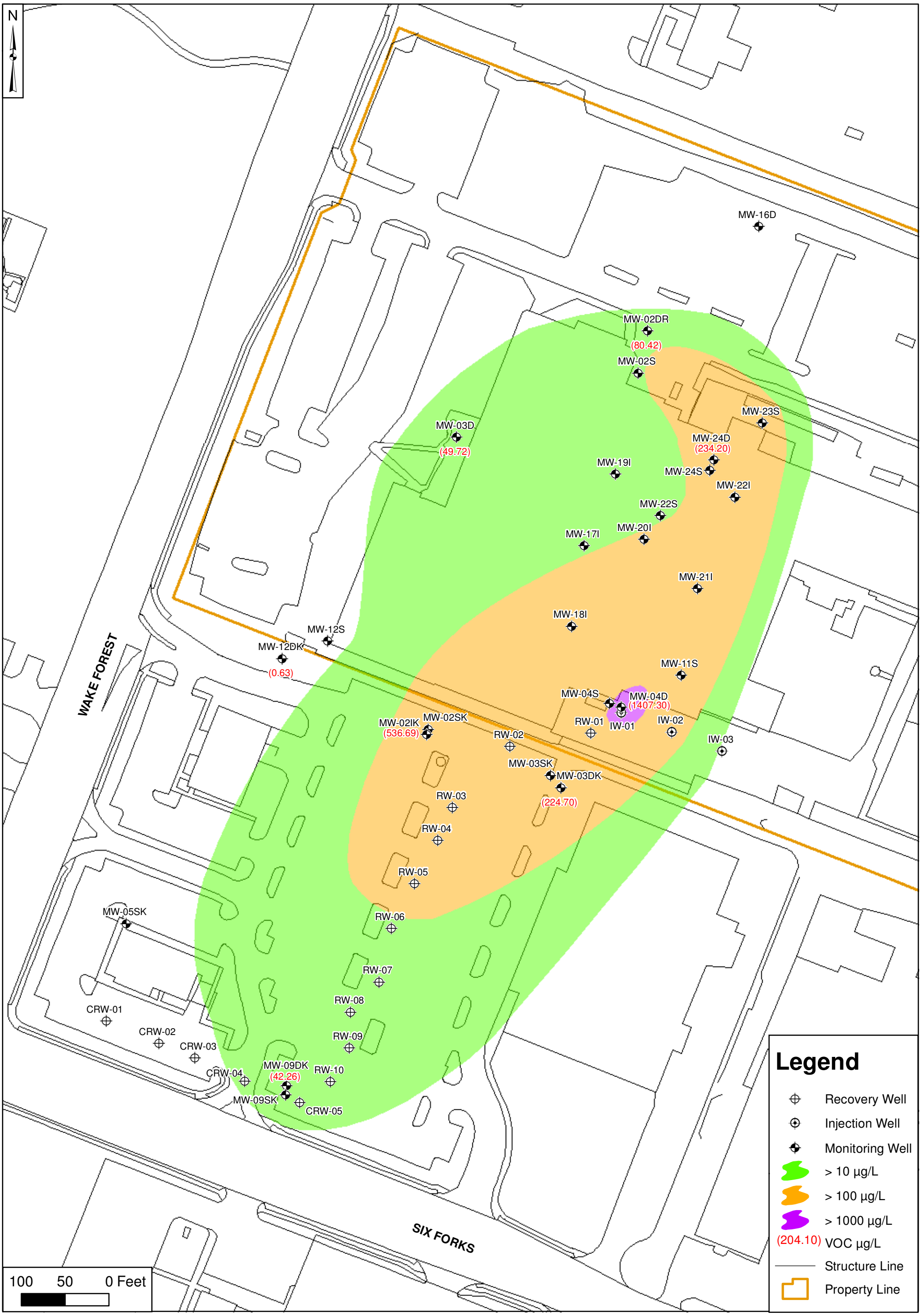

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amec	**TITLE:** **TOTAL VOC CONCENTRATION BEDROCK AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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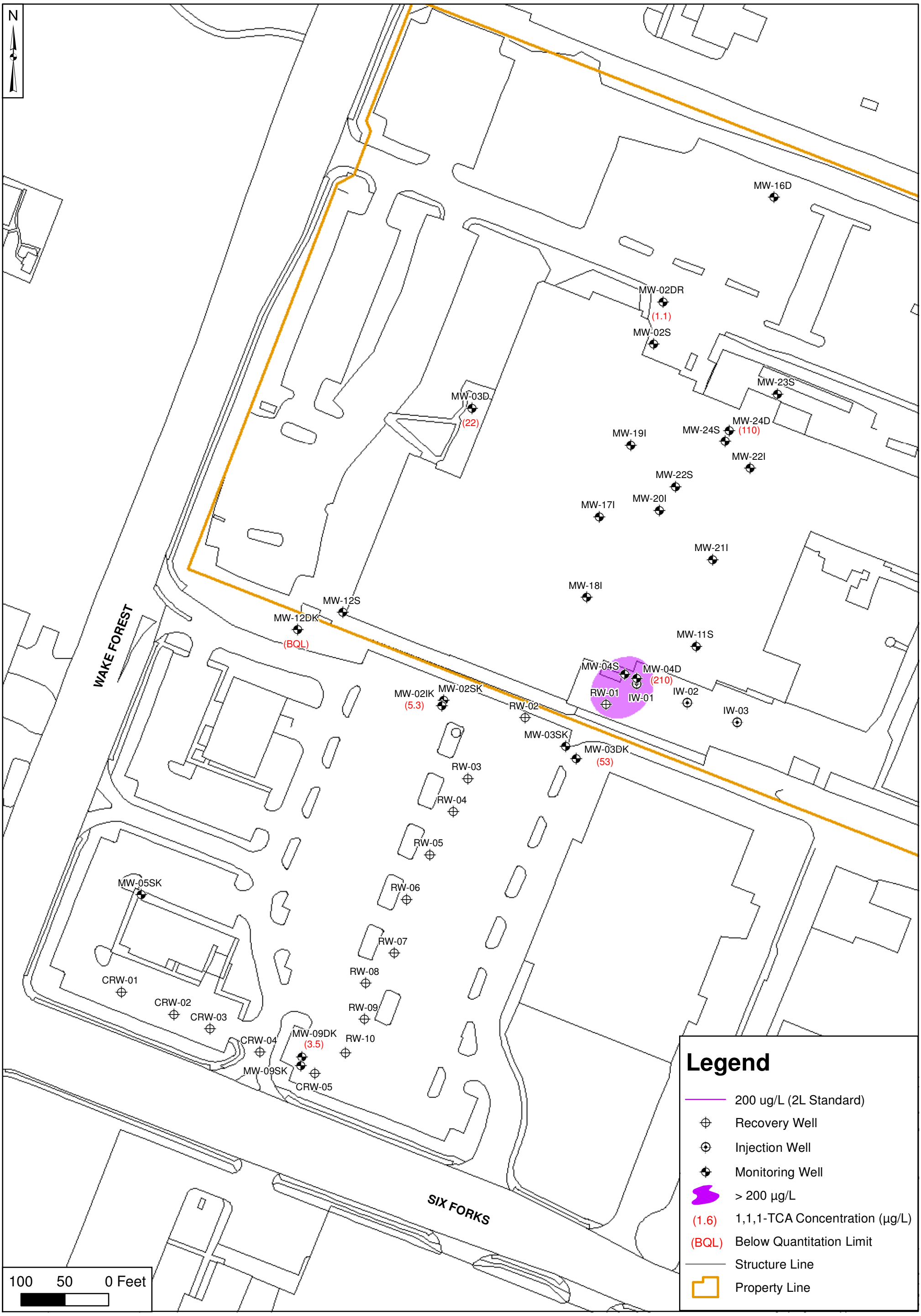

AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **10**
amec	**TITLE:** **1,1,1-TCA CONCENTRATION** **BEDROCK AQUIFER** **(OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE:** February 20, 2013 / **PROJECT:** 565280000 **DRAWN BY:** A. Crain / **CHECKED BY:** H. Thurston	

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AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **11a**
amec	**TITLE:** **PCE CONCENTRATION UNCONSOLIDATED AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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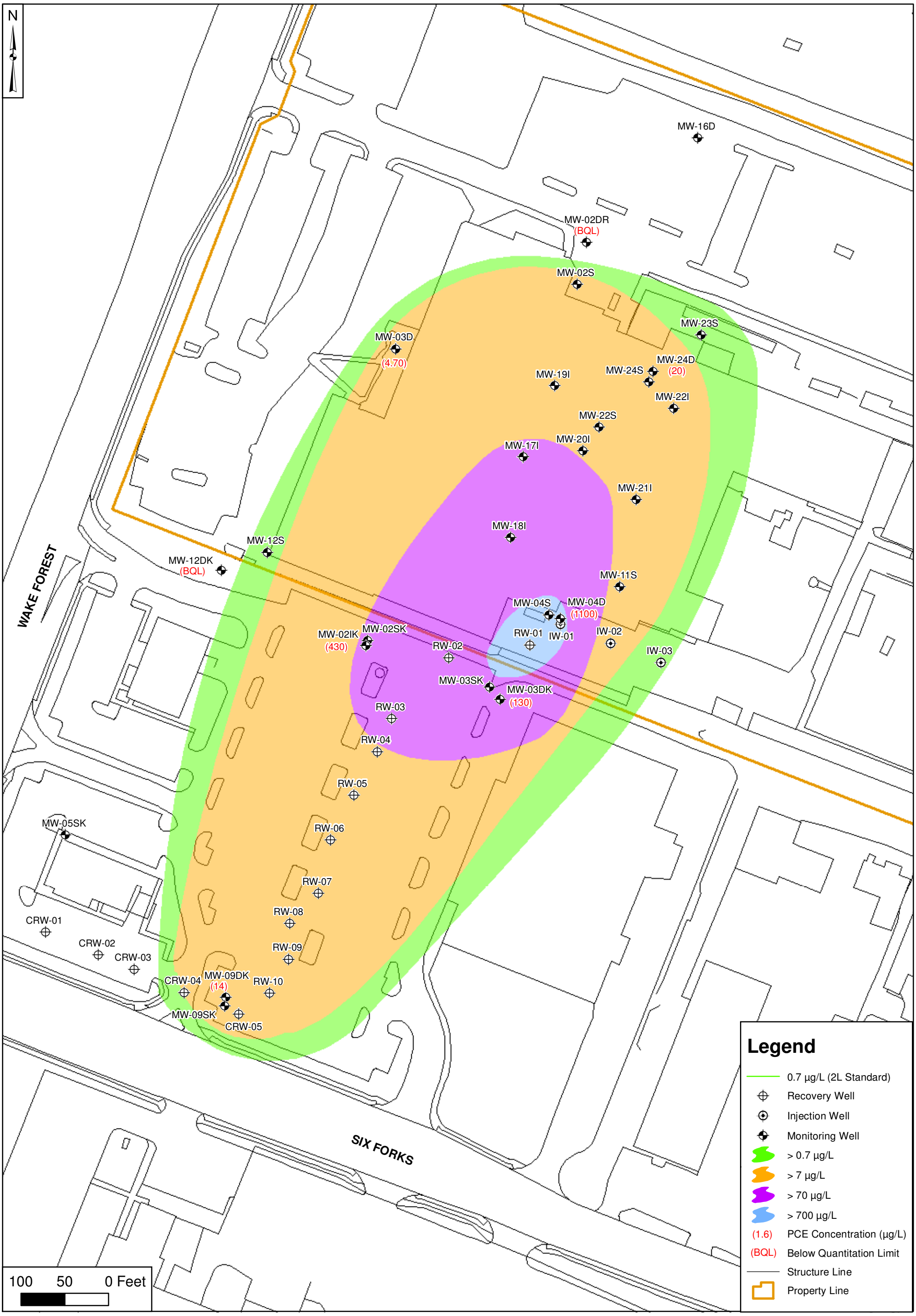

AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **11b**
amec	**TITLE:** **PCE CONCENTRATION BEDROCK AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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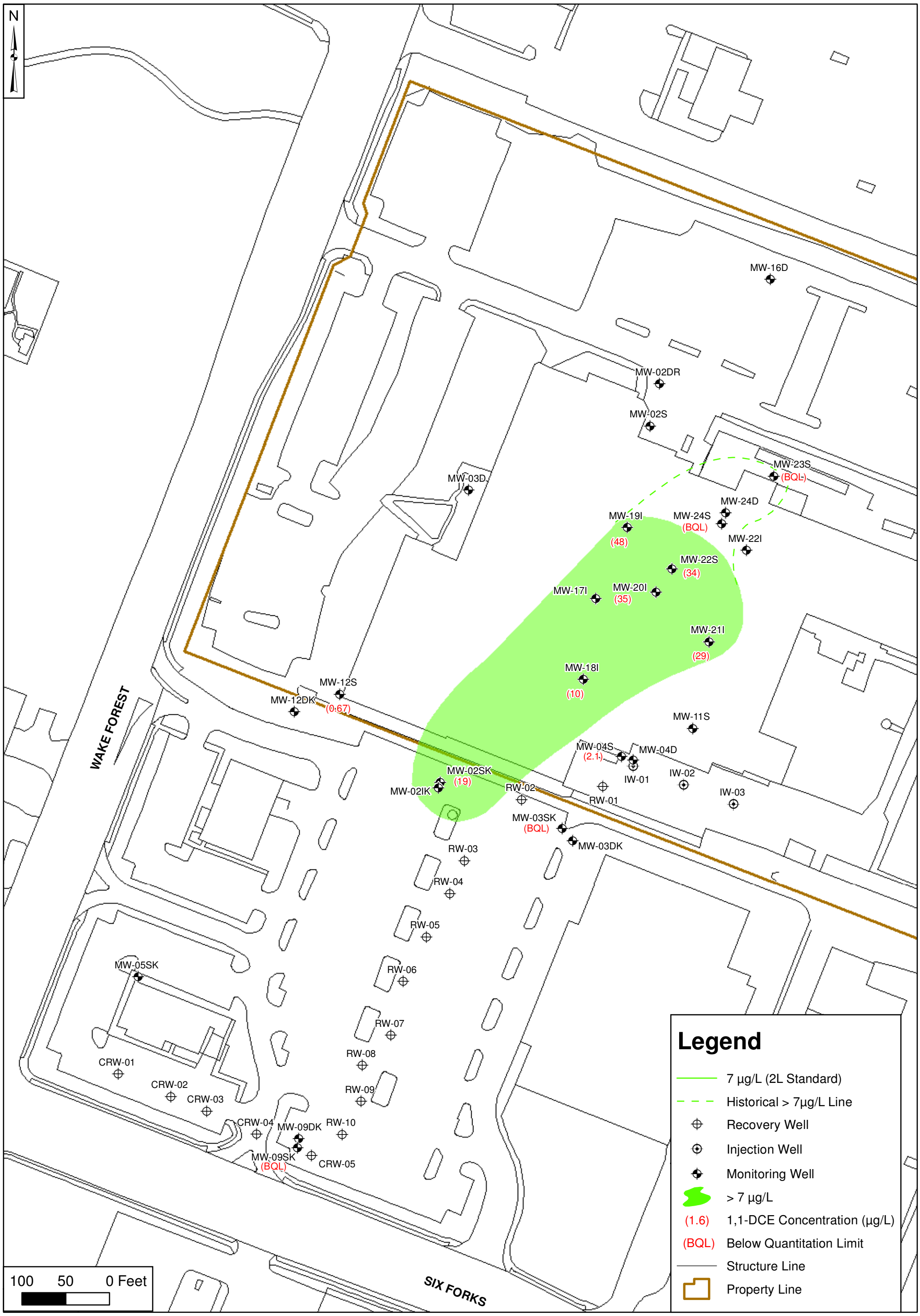

AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **12a**
amec	**TITLE:** **1,1-DCE CONCENTRATION UNCONSOLIDATED AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' **DRAWN BY: A. Crain**	**DATE: February 20, 2013** **CHECKED BY: H. Thurston** / **PROJECT: 565280000**

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AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **12b**
amec	**TITLE:** **1,1-DCE CONCENTRATION BEDROCK AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' **DATE: February 20, 2013** **PROJECT: 565280000** **DRAWN BY: A. Crain** **CHECKED BY: H. Thurston**	

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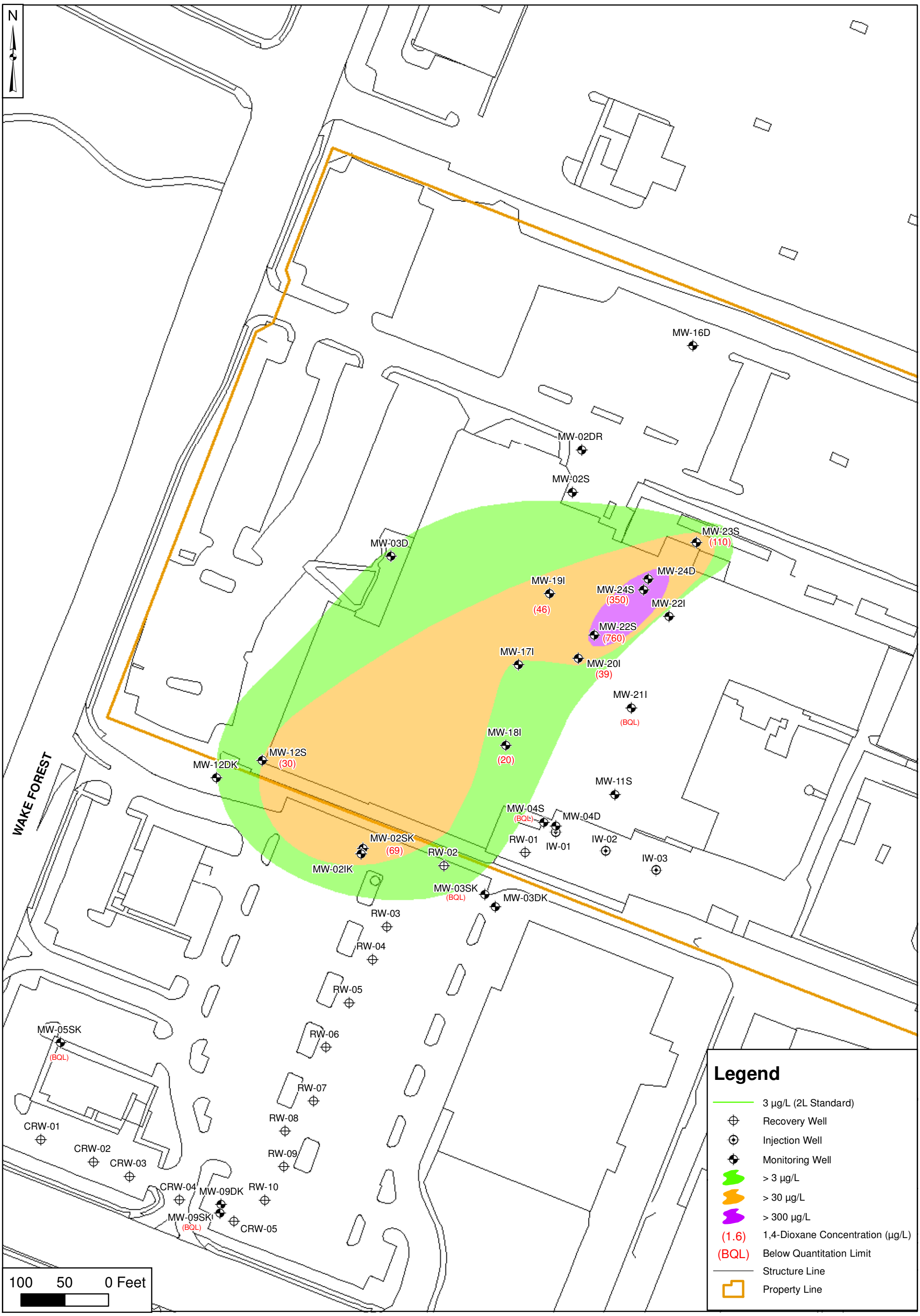

AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **13a**
amec	**TITLE:** **1,4-DIOXANE CONCENTRATION UNCONSOLIDATED AQUIFER (OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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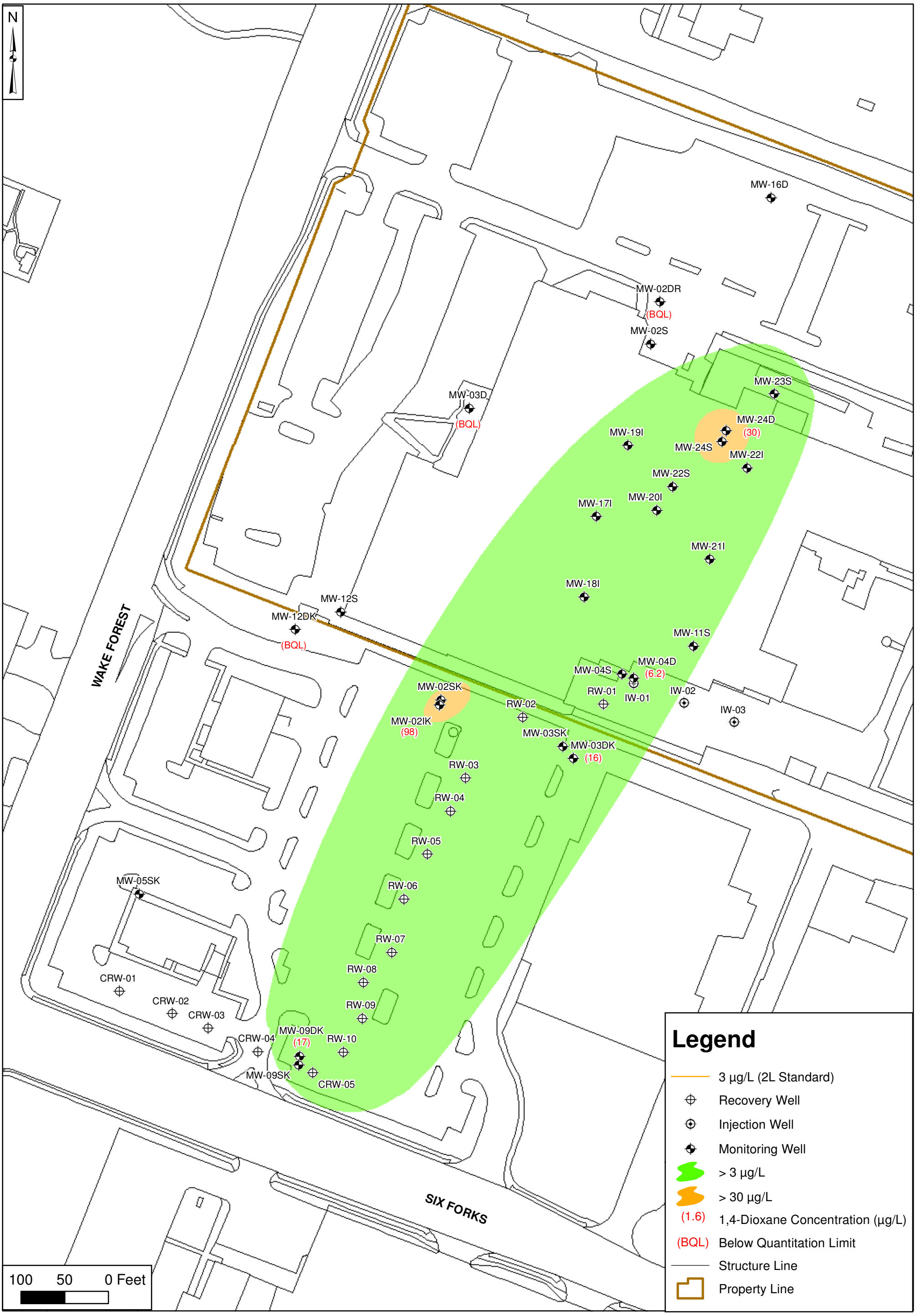

AMEC Environment & Infrastructure 4021 Stirrup Creek Drive, Suite 100 Durham, NC 27703 (919) 381-9900	**CLIENT:** **ALCATEL LUCENT USA, INC.** **RALEIGH, NORTH CAROLINA**	**SITE LOCATION:** **FORMER ALCATEL USA SOURCING FACILITY** 2912 WAKE FOREST ROAD RALEIGH, NORTH CAROLINA 27609	**Figure No.** **13b**
amec	**TITLE:** **1,4-DIOXANE CONCENTRATION** **BEDROCK AQUIFER** **(OCTOBER 2012)**	**SCALE:** 1 " = 100 ' / **DATE: February 20, 2013** / **PROJECT: 565280000** **DRAWN BY: A. Crain** / **CHECKED BY: H. Thurston**	

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TABLES

Table 1
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)	Chloroform (ug/l)	Chloroethane (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)	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**	**7**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**100**	**NE**	**NE**	**NE**	**70**	**NE**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**100**	**5**	**6**	**500**	**70**	**0.7**	**3**	**600**	**60**	**2,000**	**0.03**	**3**
MW-2D	04/24/08	12	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.1**	BDL	BDL	BDL	NA	NA	BDL
	10/15/08	26	BDL	2.2	34	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	0.55	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**36**	BDL	BDL	BDL	NA	<0.28	BDL
	04/16/09	12	BDL	1.6	27	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**19**	BDL	BDL	BDL	NA	<0.28	BDL
	10/08/09	26	BDL	1.6	34	BDL	NS	BDL	BDL	NA	**1.0**	BDL	NS	NA	BDL	BDL	NS	BDL	1.3	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**43**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/14/10	12	<1.0	1.9	**23**	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	0.89 J	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**26**	<2.0	BDL	<2.0	<5.0	<0.068	<3.0
	10/06/10	36	<0.068	**9.3**	**4.7**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	0.65	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**10**	<0.044	BDL	<0.061	2.8	<0.068	**6.6**
	04/12/11	25	<0.5	**6.9**	**32**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<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	BDL	1.6	1.7	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**7.0**	BDL	BDL	BDL	NA	NA	BDL
	10/13/08	11.0	BDL	2.2	2.4	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**7.8**	BDL	BDL	BDL	NA	<0.28	BDL
	04/16/09	11.0	BDL	2.1	2.1	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**8.2**	BDL	BDL	BDL	NA	<0.28	BDL
	10/08/09	8.0	BDL	1.5	1.2	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**6.6**	BDL	BDL	BDL	0.85	<0.28	BDL
	04/14/10	16.0	<1.0	2.8	1.9	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**16**	<2.0	BDL	<2.0	1.2 J	<0.068	<3.0
	10/06/10	7.6	<0.068	1.2	0.89	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**12**	<0.044	BDL	<0.061	<0.050	<0.068	**7.1**
	04/12/11	6.0	<0.5	0.61	0.56	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<1.5	<0.50	**12**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-3D	04/25/08	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL
	10/14/08	1.80	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	BDL
	04/15/09	5.2	BDL	0.80	1.7	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**0.84**	BDL	BDL	BDL	NA	<0.28	BDL
	10/08/09	4.5	BDL	1.1	2.3	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	0.78	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**1.8**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/13/10	14	<0.50	5.4	**12**	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	<0.50	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.6**	<0.50	BDL	<0.50	0.58	<0.068	<3.0
	10/05/10	15	<0.068	3.5	**7.7**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	0.68	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.7**	<0.044	BDL	<0.061	0.96	<0.068	**3.40**
	04/12/11	30	<0.5	**6.8**	**17**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	0.62 J	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	0.54	NS	<0.50	<0.50	NS	0.61 J	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**4.7**	<0.50	<0.50	<0.50	2.5	<0.50	<3.0
MW-3S	04/25/08	BDL	BDL	0.87	0.94	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	3.0	BDL	BDL	NA	NA	**3.1**
	10/14/08	BDL	BDL	1.0	1.3	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	0.66	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	3.9	BDL	BDL	NA	<0.28	**3.6**
	04/15/09	BDL	BDL	0.69	0.69	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	2.5	BDL	BDL	NA	<0.28	BDL
	10/08/09	BDL	BDL	0.70	0.66	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	3.3	BDL	BDL	BDL	<0.28	BDL
	04/13/10	<0.50	<0.50	<0.50	<0.50	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	<0.50	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.50	0.82	BDL	<0.50	<0.50	<0.068	<3.0
	10/05/10	<0.075	<0.068	1.0	1.2	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.096	1.2	BDL	<0.061	<0.050	<0.068	**4.60**
	04/12/11	<0.5	<0.5	0.9	1.6	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	0.69	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	<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	<0.50	NS	<0.50	**1.0**	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<1.5	<0.50	<0.50	**4.6**	<0.50	<0.50	<0.50	<0.50	**6.4**
MW-4D	04/23/08	190	NA	**6.0**	**96**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	NA	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**1300**	BDL	BDL	NA	NA	NA	**16**
	10/14/08	120	BDL	**6.9**	**130**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**980**	BDL	BDL	BDL	NA	<2.8	**11**
	04/16/09	44	BDL	BDL	**63**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**530**	BDL	BDL	BDL	NA	<2.8	**13**
	10/07/09	57	BDL	BDL	**110**	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**740**	BDL	BDL	BDL	BDL	<2.8	**6.9**
	04/14/10	72	<5.0	5.2	**120**	BDL	NS	<5.0	BDL	NA	<5.0	BDL	NS	NA	BDL	<5.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**870**	<5.0	BDL	<5.0	<5.0	<2.8	**5.4**
	10/06/10	78	<0.068	**7.6**	**190**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	0.87	NS	BDL	1.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**1000**	**5.6**	BDL	<0.061	<0.050	<0.068	**14.0**
	04/12/11	180	<5.0	<5.0	**94**	BDL	NS	<5.0	BDL	<100	<5.0	BDL	NS	<5.0	BDL	<5.0	NS	BDL	<5.0	NS	<10	BDL	NS	NS	<50	NS	NS	<10	<5.0	BDL	**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**	<5.0	NS	<5.0	11	NS	<10	13	NS	NS	<50	NS	NS	**70**	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	<7.5	<2.5	**1,100**	<2.5	<2.5	<2.5	8.9	<2.5	**6.2**
MW-4S	04/23/08	3.3	BDL	BDL	0.81	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**29**	BDL	BDL	BDL	NA	NA	**3.1**
	10/14/08	4.2	BDL	BDL	1.3	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**31**	BDL	BDL	BDL	NA	<0.28	BDL
	04/16/09	6.0	BDL	BDL	1.8	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**64**	BDL	BDL	BDL	NA	<0.28	BDL
	10/07/09	5.9	BDL	BDL	1.3	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**72**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/14/10	5.7	<0.50	<0.50	1.2	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	<0.50	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**75**	<0.50	BDL	<0.50	<0.50	<0.28	<3.0
	10/06/10	12	<0.068	<0.038	4.0	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**140**	<0.044	BDL	<0.061	<0.050	<0.068	**5.4**
	04/12/11	15	<2.0	<2.0	4.4	BDL	NS	<2.0	BDL	<40	<2.0	BDL	NS	<2.0	BDL	<2.0	NS	BDL	<2.0	NS	<4.0	BDL	NS	NS	<20	NS	NS	<4.0	<2.0	BDL	**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	<2.0	NS	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	<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	<1.5	<0.50	**38**	<0.50	<0.50	<0.50	1.1	<0.50	<3.0

Table 1
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)	Chloroform (ug/l)	Chloroethane (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)	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**	**7**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**100**	**NE**	**NE**	**NE**	**70**	**NE**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**100**	**5**	**6**	**500**	**70**	**0.7**	**3**	**600**	**60**	**2,000**	**0.03**	**3**
MW-12S	04/25/08	BDL	BDL	**11**	6.0	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	6.5	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	0.60	0.53	BDL	BDL	NA	NA	**59**
	10/14/08	BDL	BDL	**9.1**	4.5	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	5.4	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	0.55	BDL	BDL	NA	1.2	**36**
	04/16/09	BDL	BDL	1.1	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	**34**
	10/08/09	BDL	BDL	3.2	0.94	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	0.97	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	<0.28	**96**
	04/13/10	<0.50	<0.50	2.0	0.78	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	<0.50	NS	BDL	1.7	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.50	0.51	BDL	<0.50	<0.50	<0.28	**62.0**
	10/05/10	<0.075	<0.068	1.8	0.90	BDL	NS	<0.054	BDL	18	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	1.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.096	<0.044	BDL	<0.061	<0.050	<0.068	**18.0**
	04/11/11	<0.5	<0.5	4.4	2.1	BDL	NS	<0.5	BDL	<10	**1.6**	BDL	NS	<0.5	BDL	<0.5	NS	BDL	3.0	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	2.6	0.83	BDL	<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	<0.50	NS	<0.50	2.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**1.8**	<0.50	<0.50	<0.50	0.64	<0.50	**30**
MW-13D	04/24/08	2.8	BDL	0.71	1.3	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	0.60	BDL	BDL	BDL	NA	NA	**3.3**
	10/15/08	2.9	BDL	0.74	0.77	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**0.79**	BDL	BDL	BDL	NA	<0.28	BDL
	04/16/09	2.1	BDL	0.62	2.10	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	0.67	BDL	BDL	BDL	NA	<0.28	BDL
	10/08/09	5.7	BDL	1.4	3.7	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**1.40**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/13/10	8.2	<1.0	2.6	1.5	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.0**	<2.0	BDL	<2.0	<5.0	<0.068	<3.0
	10/05/10	14	<0.068	3.8	4.5	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.5**	<0.044	BDL	<0.061	1.1	<0.068	**4.20**
	04/13/11	9.6	<0.5	2.1	5.7	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**2.1**	<0.5	<0.5	<0.5	0.84	<0.5	**3.10**
	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	<0.50	NS	<0.50	<0.50	NS	0.88 J	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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**	BDL	NS	**5.6**	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**110**	**2.8**	BDL	BDL	NA	<1.1	**980**
	10/08/09	14	4.2	**86**	**530**	BDL	NS	**8.5**	BDL	NA	BDL	BDL	NS	NA	BDL	12	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**130**	**4.9**	BDL	BDL	BDL	<1.1	**1000**
	04/14/10	13	3.2	**80**	**380**	BDL	NS	**6.4**	BDL	NA	<1.0	BDL	NS	NA	BDL	11	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**100**	2.8	BDL	<2.0	<5.0	<0.068	**460**
	10/06/10	12	3.6	**88**	**630**	BDL	NS	**7.3**	BDL	<1.5	<0.054	BDL	NS	0.65	BDL	11	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**120**	2.3	BDL	<0.061	<0.050	<0.068	**1000**
	04/13/11	13	4.2	**100**	**560**	BDL	NS	**7.7**	BDL	<10	<0.5	BDL	NS	0.62	BDL	10	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	14	NS	NS	<1.0	<0.5	BDL	**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	8.9	NS	<5.0	<5.0	NS	<10	<5.0	NS	NS	67	NS	NS	**10**	8.6 J	<5.0	**110**	<5.0	<5.0	<5.0	<5.0	<5.0	**1000**
MW-14D	04/23/08	180	BDL	BDL	27	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.5**	BDL	BDL	BDL	NA	NA	BDL
	10/15/08	280	BDL	0.55	34	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.4**	BDL	BDL	BDL	NA	<0.28	BDL
	04/16/09	120	BDL	1.20	15	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.5**	BDL	BDL	BDL	NA	<0.28	BDL
	10/07/09	160	BDL	BDL	14	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.3**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/14/10	**210**	<1.0	<1.0	**18**	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.2**	<2.0	BDL	<2.0	<5.0	<0.068	<3.0
	10/05/10	**270**	<0.068	0.93	**27**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**4.7**	<0.044	BDL	<0.061	<0.050	<0.068	**4.7**
	04/12/11	190	<2.0	**6.2**	**24**	BDL	NS	<2.0	BDL	<40	<2.0	BDL	NS	<2.0	BDL	<2.0	NS	BDL	<2.0	NS	<4.0	BDL	NS	NS	<20	NS	NS	<4.0	<2.0	BDL	**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	<2.0	NS	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	<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**	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	5.4	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**27**	**18**	BDL	<2.0	<5.0	**0.78 J**	**11.0**
	10/06/10	0.87	<0.068	1.7	**22**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	0.74	NS	BDL	3.6	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**42**	**21**	BDL	<0.061	<0.050	<0.068	**11.0**
	04/12/11	0.78	<0.5	1.1	**26**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	0.86	NS	BDL	1.2	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	1.1	NS	<0.50	3.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	0.99	<0.50	<0.50	2.7	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<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	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	0.74	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**11**	0.79	BDL	<0.50	<0.50	<0.28	**22**
	10/05/10	2.9	<0.068	3.0	**7.1**	BDL	NS	<0.054	BDL	23	<0.054	BDL	NS	<0.031	BDL	0.66	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**16**	1.1	BDL	<0.061	<0.050	<0.068	**35**
	04/12/11	2.0	<0.5	2.7	**11**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	0.66	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	0.78	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	0.69	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**21**	1.4	<0.50	<0.50	<0.50	<0.50	**69**
MW-3DK	04/24/08	56	BDL	5.7	**11**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**110**	BDL	BDL	BDL	NA	NA	**15**
	10/14/08	67	BDL	**8.8**	**30**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**140**	BDL	BDL	BDL	NA	<0.28	**12**
	04/15/09	65	BDL	**6.5**	**26**	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**160**	BDL	BDL	BDL	NA	<0.28	**13**
	10/07/09	47	BDL	5.1	**13**	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	0.57	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**140**	BDL	BDL	BDL	BDL	<0.28	**23**
	04/14/10	76	<0.50	3	**8.6**	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	0.52	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**190**	<0.50	BDL	<0.50	<0.50	<0.28	**14**
	10/06/10	73	<0.068	4.4	**25**	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	0.5	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**220**	<0.044	BDL	<0.061	<0.050	<0.068	**16**
	04/12/11	53	<0.5	5.2	**25**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	0.96	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**130**	<0.50	<0.50	<0.50	8.1	<0.50	**16**

Table 1
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)	Chloroform (ug/l)	Chloroethane (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)	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**	**7**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**100**	**NE**	**NE**	**NE**	**70**	**NE**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**100**	**5**	**6**	**500**	**70**	**0.7**	**3**	**600**	**60**	**2,000**	**0.03**	**3**
MW-3SK	04/24/08	8.7	BDL	BDL	0.62	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**55**	BDL	BDL	BDL	NA	NA	**5.2**
	10/14/08	12	BDL	BDL	1.5	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**61**	BDL	BDL	BDL	NA	<0.28	BDL
	04/15/09	11	BDL	BDL	1.2	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**71**	BDL	BDL	BDL	NA	<0.28	BDL
	10/07/09	13	BDL	BDL	1.8	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**100**	BDL	BDL	BDL	BDL	<0.28	BDL
	04/14/10	1.6	<1.0	<1.0	<1.0	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**13**	<2.0	BDL	<2.0	<5.0	<0.068	2.8 J
	10/06/10	11	<0.068	<0.038	3.0	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**100**	<0.044	BDL	<0.061	<0.050	<0.068	**5.5**
	04/12/11	19	<0.5	<0.5	5.2	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**6.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-5SK	04/23/08	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	2.3	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	**3.1**
	10/14/08	BDL	BDL	0.52	0.55	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	3.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	BDL
	04/15/09	BDL	BDL	0.70	0.94	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	3.4	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	1.1	BDL	BDL	NA	<0.28	BDL
	10/07/09	BDL	BDL	BDL	0.63	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	3.3	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.57**	BDL
	04/12/10	<0.50	<0.50	0.66	1.2	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	<0.50	NS	BDL	5.7	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.50	1.4	BDL	<0.50	<0.50	<0.28	<3.0
	10/05/10	<0.075	<0.068	0.65	0.90	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	5.2	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.096	<0.044	BDL	<0.061	<0.050	<0.068	<1.5
	04/12/11	<0.5	<0.5	0.5	0.74	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	3.6	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	<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	<0.50	NS	**76**	4.9	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	**0.55**	<3.0
MW-9DK	04/23/08	BDL	BDL	BDL	2.9	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.7**	4.1	BDL	BDL	NA	NA	BDL
	10/14/08	BDL	BDL	BDL	2.7	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.8**	4.8	BDL	BDL	NA	<0.28	BDL
	04/14/09	BDL	BDL	BDL	3.1	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.8**	4.9	BDL	BDL	NA	<0.28	BDL
	10/06/09	0.60	BDL	BDL	2.6	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	0.92	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**3.1**	**5.6**	BDL	BDL	BDL	<0.28	BDL
	04/13/10	0.80 J	<1.0	<1.0	3.7	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	0.62 J	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**4.0**	**5.6**	BDL	<2.0	<5.0	<0.068	<3.0
	10/06/10	1.2	<0.068	0.65	3.8	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	0.98	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**4.3**	**6.4**	BDL	<0.061	<0.050	<0.068	**6.1**
	04/11/11	1.6	<0.5	0.77	5.0	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	0.98	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	1.1	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	0.76	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**14**	**7.0**	<0.50	<0.50	<0.50	<0.50	**17**
MW-9SK	04/23/08	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL
	10/13/08	BDL	BDL	BDL	1.4	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**2.5**	BDL	BDL	BDL	NA	<0.28	BDL
	04/14/09	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	BDL
	10/06/09	0.76	BDL	BDL	2.2	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	BDL	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	**8.7**	0.87	BDL	BDL	BDL	<0.28	BDL
	04/13/10	<1.0	<1.0	<1.0	<1.0	BDL	NS	<1.0	BDL	NA	<1.0	BDL	NS	NA	BDL	<1.0	NS	BDL	<5.0	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<1.0	<2.0	BDL	<2.0	<5.0	<0.068	<3.0
	10/05/10	<0.075	<0.068	<0.038	<0.057	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	<0.053	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.096	<0.044	BDL	<0.061	<0.050	<0.068	<1.5
	04/11/11	<0.5	<0.5	<0.5	<0.5	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	<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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0
MW-12DK	04/25/08	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL
	10/15/08	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	BDL
	04/15/09	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	NA	BDL	NS	NA	BDL	NA	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	<0.28	BDL
	10/07/09	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	BDL	BDL	NS	NA	BDL	1.1	NS	BDL	BDL	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.28	BDL
	04/13/10	<0.50	<0.50	<0.50	<0.50	BDL	NS	<0.50	BDL	NA	<0.50	BDL	NS	NA	BDL	1.4	NS	BDL	<0.50	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.50	<0.50	BDL	<0.50	<0.50	<0.28	<3.0
	10/05/10	<0.075	<0.068	<0.038	<0.057	BDL	NS	<0.054	BDL	<1.5	<0.054	BDL	NS	<0.031	BDL	1.2	NS	BDL	<0.061	NS	BDL	BDL	NS	NS	BDL	NS	NS	BDL	BDL	BDL	<0.096	<0.044	BDL	<0.061	<0.050	<0.068	<1.5
	04/11/11	<0.5	<0.5	<0.5	<0.5	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	1.1	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	<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	1.2	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	<0.50	<0.50	0.63	<0.50	<0.50	<0.50	<3.0
MW-17I	04/13/11	18	<0.5	5.1	**13**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	0.69	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	0.67	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**61**	<0.50	<0.50	<0.50	35	<0.50	**20**

Table 1
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)	Chloroform (ug/l)	Chloroethane (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)	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**	**7**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**100**	**NE**	**NE**	**NE**	**70**	**NE**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**100**	**5**	**6**	**500**	**70**	**0.7**	**3**	**600**	**60**	**2,000**	**0.03**	**3**
MW-19I	04/13/11	6.2	<0.5	13	**57**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	0.53	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<0.5	<0.5	BDL	**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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	<1.5	<0.50	**31**	1.8	<0.50	<0.50	<0.50	<0.50	**46**
MW-20I	04/12/11	45	<0.5	**8.8**	**11**	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	0.58 J	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<1.5	<0.50	**12**	<0.50	<0.50	<0.50	7.1	<0.50	**39**
MW-21I	04/12/11	**230**	<2.0	<2.0	**48**	BDL	NS	<2.0	BDL	<40	<2.0	BDL	NS	<4.0	BDL	<2.0	NS	BDL	<2.0	NS	<4.0	BDL	NS	NS	<20	NS	NS	<4.0	<2.0	BDL	**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	<2.0	NS	<2.0	<2.0	NS	<4.0	<2.0	NS	NS	<20	NS	NS	<4.0	<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	<1.5	<0.50	**560**	<0.50	<0.50	<0.50	1.9	<0.50	<3.0
MW-22I	04/13/11	19	<0.5	<0.5	2.4	BDL	NS	<0.5	BDL	<10	<0.5	BDL	NS	<0.5	BDL	<0.5	NS	BDL	<0.5	NS	<1.0	BDL	NS	NS	<5.0	NS	NS	<1.0	<0.5	BDL	**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	<0.50	NS	<0.50	<0.50	NS	<1.0	<0.50	NS	NS	<5.0	NS	NS	<1.0	<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	4.6	<0.50	<0.50	0.95	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**140**	2.2	<0.50	<0.50	5.6	<0.50	**760**
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	<75	<25	**34**	<25	<25	<25	68	<25	**110**
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	<1.5	<0.50	**20**	<0.50	<0.50	<0.50	10	<0.50	**30**
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	8.2	1.0	**120**	<0.50	4.5	1.5	<0.50	930	2.0	6.3	0.75 J	1.4 J	<1.0	<1.5	<0.50	**5.3**	<0.50	<0.50	<0.50	18	<0.50	**350**

Notes:
ug/l - micrograms per liter
BDL - Analyte not detected at or above laboratory practical quantitation limit (PQL).
NA - Not analyzed for constituent
NS - Not sampled
E - Estimate value, calib. Range was exceeded
J - Estimated value below laboratory PQL.

Table 2
Groundwater Analytical Results - Temporary Wells
Former Alcatel Facility
Raleigh, North Carolina

Sample ID	Sample Date	VOC 8260 (ug/L)											
		1,4-Dioxane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Total VOCs
NC Groundwater Quality Standard (NCGQS)		**7**	**200**	**210,000**	**70**	**7**	**0.38**	**70**	**70**	**0.7**	**2.8**	**2,100**	
NC 2L Groundwater Standards		**3**	**200**	**0.6***	**6**	**7**	**0.4**	**70**	**70**	**0.7**	**3**	**2,000**	
SB-5	9/25/2008	**5,100**	9.3	9.7	**220**	**1,000**	**9.3**	17	<2.0	**68**	**2.9**	<2.0	6436.2
SB-8	9/25/2008	**360**	170	2.2	**110**	**210**	<0.5	1.5	<0.5	**48**	0.84	<0.5	902.54
SB-11	9/25/2008	**120**	**2,300**	7.4	**530**	**2,300**	**12**	<0.5	2.3	**480**	**5.3**	5.6	5762.6
SB-12	9/25/2008	**1,100**	110	<5.0	**1,000**	**1,400**	**8.6**	<5.0	12	**140**	<5.0	<5.0	3770.6
SB-19	9/25/2008	**1,100**	<5.0	<5.0	**130**	**2,600**	**12**	17	<5.0	**110**	**16**	<5.0	3985
SB-21	9/25/2008	4	4.4	<5.0	8.4	4	<0.5	<0.5	<0.5	**1.5**	<0.5	<0.5	22.3
DUP 01	9/25/2008	**280**	180	2.2	**110**	**220**	<0.5	1.5	<0.5	**51**	0.9	<0.5	845.6

NOTES:
NC Groundwater Quality Standard (NCGQS) - Groundwater standards established prior to 2010.
NC 2L Groundwater Standards - Groundwater standards established under 15A NCAC 2L .0202. Effective January 1, 2010.
*Interim Maximum Allowable Concentation (IMAC) established under 15A NCAC 2L .0202. Effective August 1, 2010.
(ug/L) = Micrograms per liter
VOC = Volatile Organic Compounds
NA - not applicable
Concentrations which exceed the NCGQS are highlighted in **BOLD**

Table 3
Groundwater Elevations
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date	Top of Casing Elevation (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Total Well Depth (feet)	Screen Interval (feet)	
						Top	Bottom
MW-2D*	Oct-11	225.81	217.10	8.71	65.0	55.0	65.0
	Oct-12	225.81	Replaced by MW-2DR		65.0	55.0	65.0
MW-2DR	Oct-12	224.29	162.69	61.60	73.0	58.0	73.0
MW-2S	Oct-11	225.59	217.00	8.59	18.0	8.0	18.0
	Oct-12	225.59	Inaccessible		18.0	8.0	18.0
MW-3D*	Oct-11	228.48	216.79	11.69	70.0	55.0	70.0
	Oct-12	228.48	217.84	10.64	70.0	55.0	70.0
MW-3S	Oct-11	228.55	214.43	14.12	20.5	10.5	20.5
	Oct-12	228.55	Inaccessible		20.5	10.5	20.5
MW-4D*	Oct-11	227.20	213.71	13.49	67.0	37.0	67.0
	Oct-12	226.44	214.70	11.74	67.0	37.0	67.0
MW-4S	Oct-11	226.71	214.15	12.56	15.0	10.0	15.0
	Oct-12	226.17	215.44	10.73	15.0	10.0	15.0
MW-11S	Oct-11	229.63	NM	NM	14.0	4.0	14.0
	Oct-12	228.84	217.31	11.53	14.0	4.0	14.0
MW-12S	Oct-11	227.05	208.76	18.29	20.0	10.0	20.0
	Oct-12	228.39	209.55	18.84	20.0	10.0	20.0
MW-12DK*	Oct-11	221.85	210.11	11.74	65.0	Unknown	Unknown
	Oct-12	221.85	211.45	10.40	65.0	Unknown	Unknown
MW-13D*	Oct-11	229.42	216.68	12.74	35.0	Unknown	Unknown
	Oct-12	229.42	Abandoned		35.0	Unknown	Unknown
MW-13S	Oct-11	229.48	215.97	13.51	15.0	5.0	15.0
	Oct-12	229.48	Abandoned		15.0	5.0	15.0
MW-13Sr	Oct-11	NM	NM	13.36	Unknown	Unknown	Unknown
	Oct-12	Unknown	Abandoned		Unknown	Unknown	Unknown
MW-14D*	Oct-11	227.40	217.10	10.30	56.0	36.0	56.0
	Oct-12	227.40	Abandoned		56.0	36.0	56.0
MW-16D*	Oct-11	232.34	217.93	14.41	80.0	Unknown	Unknown
	Oct-12	231.89	218.52	13.37	80.0	Unknown	Unknown
MW-2IK	Oct-11	223.36	210.32	13.04	40.9	32.0	42.0
	Oct-12	223.36	210.45	12.91	40.9	32.0	42.0
MW-2SK	Oct-11	223.47	210.22	13.25	20.0	10.0	20.0
	Oct-12	223.47	211.60	11.87	20.0	10.0	20.0
MW-3DK*	Oct-11	225.90	211.63	14.27	33.2	Unknown	Unknown
	Oct-12	225.90	213.43	12.47	33.2	Unknown	Unknown
MW-3SK	Oct-11	225.51	211.90	13.61	17.0	7.0	17.0
	Oct-12	225.51	214.02	11.49	17.0	7.0	17.0
MW-5SK	Oct-11	215.28	206.47	8.81	24.0	14.0	24.0
	Oct-12	215.28	206.75	8.53	24.0	14.0	24.0
MW-9DK*	Oct-11	216.95	204.10	12.85	70.0	55.0	70.0
	Oct-12	216.95	204.98	11.97	70.0	55.0	70.0
MW-9SK	Oct-11	217.04	205.29	11.75	46.0	6.0	46.0
	Oct-12	217.04	206.37	10.67	46.0	6.0	46.0
RW-1*	Oct-11	223.80	NM	NM	24.0	9.0	18.0
	Oct-12	223.80	Inaccessible		24.0	9.0	18.0
RW-2*	Oct-11	220.61	210.24	10.37	40.0	15.0	40.0
	Oct-12	220.61	Inaccessible		40.0	15.0	40.0
RW-3*	Oct-11	221.50	210.07	11.43	85.0	10.0	85.0
	Oct-12	221.50	211.51	9.99	85.0	10.0	85.0
RW-4*	Oct-11	221.18	210.03	11.15	85.0	10.0	75.0
	Oct-12	221.18	211.46	9.72	85.0	10.0	75.0

Table 3
Groundwater Elevations
Former Alcatel Facility
Raleigh, North Carolina

Monitoring Well	Date	Top of Casing Elevation (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Total Well Depth (feet)	Screen Interval (feet)	
						Top	Bottom
RW-5*	Oct-11	220.83	209.84	10.99	88.0	7.0	72.0
	Oct-12	220.83	Inaccessible		88.0	7.0	72.0
RW-6*	Oct-11	220.98	209.58	11.40	74.0	13.0	53.0
	Oct-12	220.98	211.00	9.98	74.0	13.0	53.0
RW-7*	Oct-11	220.29	206.59	13.70	85.0	10.0	85.0
	Oct-12	220.29	207.69	12.60	85.0	10.0	85.0
RW-8*	Oct-11	219.18	205.76	13.42	48.0	10.0	48.0
	Oct-12	219.18	206.82	12.36	48.0	10.0	48.0
RW-9*	Oct-11	217.97	205.60	12.37	48.0	13.0	48.0
	Oct-12	217.97	207.05	10.92	48.0	13.0	48.0
RW-10*	Oct-11	215.35	205.01	10.34	52.0	10.0	52.0
	Oct-12	215.35	206.17	9.18	52.0	10.0	52.0
CRW-1	Oct-11	211.74	203.83	7.91	35.0	6.0	35.0
	Oct-12	211.74	204.68	7.06	35.0	6.0	35.0
CRW-2	Oct-11	212.10	204.43	7.67	32.0	7.0	32.0
	Oct-12	212.10	205.51	6.59	32.0	7.0	32.0
CRW-3	Oct-11	212.44	205.02	7.42	33.0	8.0	33.0
	Oct-12	212.44	206.33	6.11	33.0	8.0	33.0
CRW-4	Oct-11	211.64	203.98	7.66	35.0	10.0	35.0
	Oct-12	211.64	204.86	6.78	35.0	10.0	35.0
CRW-5	Oct-11	213.87	204.14	9.73	44.0	9.0	44.0
	Oct-12	213.87	205.11	8.76	44.0	9.0	44.0
MW-17I	Oct-11	229.72	214.49	15.23	31.0	26.0	31.0
	Oct-12	229.72	Not located		31.0	26.0	31.0
MW-18I	Oct-11	229.74	214.16	15.58	27.0	22.0	27.0
	Oct-12	228.88	214.33	14.55	27.0	22.0	27.0
MW-19I	Oct-11	229.78	214.18	15.60	32.0	27.0	32.0
	Oct-12	228.83	216.90	11.93	32.0	27.0	32.0
MW-20I	Oct-11	229.74	215.60	14.14	31.0	26.0	31.0
	Oct-12	228.95	216.84	12.11	31.0	26.0	31.0
MW-21I	Oct-11	229.70	216.51	13.19	37.0	32.0	37.0
	Oct-12	228.95	217.92	11.03	37.0	32.0	37.0
MW-22I	Oct-11	229.88	217.51	12.37	32.0	27.0	32.0
	Oct-12	229.88	Not located		32.0	27.0	32.0
MW-22S	Oct-12	228.85	217.34	11.51	20.0	10.0	20.0
MW-23S	Oct-12	227.07	218.59	8.48	18.0	8.0	18.0
MW-24S	Oct-12	229.45	218.50	10.95	20.0	10.0	20.0
MW-24D	Oct-12	228.99	217.67	11.32	43.0	38.0	43.0
IW-1*	Oct-11	223.87	215.11	8.76	31.0	5.5	30.5
	Oct-12	223.87	Inaccessible		31.0	5.5	30.5
IW-2*	Oct-11	228.80	220.90	7.90	29.0	4.0	29.0
	Oct-12	228.80	Inaccessible		29.0	4.0	29.0
IW-3*	Oct-11	224.50	216.20	8.30	30.0	8.0	30.0
	Oct-12	224.50	Inaccessible		30.0	8.0	30.0

Notes:
NM-Not Measured
* - Bedrock well
Inaccessible - Wells labeled as inaccessible were covered in building demolition debris.

Table 4
October 2012 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)	1,2,4-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)	Chloroform (ug/l)	Chloroethane (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)	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)	Total Chlorinated VOCs (ug/l)	1,4-Dioxane (ug/l)
2L Standards		**200**	**0.6**	**6**	**7**	**400**	**20**	**0.4**	**400**	**6000**	**1**	**100**	**NE**	**NE**	**NE**	**70**	**NE**	**3**	**70**	**NE**	**1000**	**600**	**4000**	**40**	**4000**	**100**	**5**	**6**	**500**	**70**	**0.7**	**3**	**600**	**60**	**2,000**	**0.03**	**NA**	**3**
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	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	80.42	<3.0
MW-3D	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	<1.5	<0.50	**4.7**	<0.50	<0.50	<0.50	2.5	<0.50	49.72	<3.0
MW-4D	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	<7.5	<2.5	**1,100**	<2.5	<2.5	<2.5	8.9	<2.5	1,407.3	**6.2**
MW-4S	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	<1.5	<0.50	**38**	<0.50	<0.50	<0.50	1.1	<0.50	44.9	<3.0
MW-12S	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	<1.5	<0.50	**1.8**	<0.50	<0.50	<0.50	0.64	<0.50	6.81	**30**
MW-2SK	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	0.69	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**21**	1.4	<0.50	<0.50	<0.50	<0.50	49.09	**69**
MW-2IK	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	0.99	<0.50	<0.50	2.7	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**430**	**30**	<0.50	<0.50	<0.50	<0.50	536.69	**98**
MW-3DK	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	<1.5	<0.50	**130**	<0.50	<0.50	<0.50	8.1	<0.50	224.7	**16**
MW-3SK	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	<1.5	<0.50	**6.4**	<0.50	<0.50	<0.50	<0.50	<0.50	7.37	<3.0
MW-5SK	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	<1.5	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	**0.55**	8.88	<3.0
MW-9DK	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	0.76	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**14**	**7.0**	<0.50	<0.50	<0.50	<0.50	42.26	**17**
MW-9SK	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	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.0	<3.0
MW-12DK	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	<1.5	<0.50	<0.50	<0.50	0.63	<0.50	<0.50	<0.50	0.63	<3.0
MW-18I	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	<1.5	<0.50	**61**	<0.50	<0.50	<0.50	35	<0.50	114.6	**20**
MW-19I	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	<1.5	<0.50	**31**	1.8	<0.50	<0.50	<0.50	<0.50	94.4	**46**
MW-20I	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	<1.5	<0.50	**12**	<0.50	<0.50	<0.50	7.1	<0.50	111.06	**39**
MW-21I	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	<1.5	<0.50	**560**	<0.50	<0.50	<0.50	1.9	<0.50	690.57	<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	4.6	<0.50	<0.50	0.95	<0.50	<1.0	<0.50	<200	<1.0	<5.0	<1.0	<2.0	<1.0	<1.5	<0.50	**140**	2.2	<0.50	<0.50	5.6	<0.50	632.73	**760**
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	<75	<25	**34**	<25	<25	<25	68	<25	22,926	**110**
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	<1.5	<0.50	**20**	<0.50	<0.50	<0.50	10	<0.50	234.2	**30**
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	8.2	1.0	**120**	<0.50	4.5	1.5	<0.50	930	2.0	6.3	0.75 J	1.4 J	<1.0	<1.5	<0.50	**5.3**	<0.50	<0.50	<0.50	18	<0.50	1,527.35	**350**
DUP01 (MW-19I)	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	<1.5	<0.50	**35**	2.1	<0.50	<0.50	<0.50	<0.50	98	**62**
DUP02 (MW-20I)	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	<1.5	<0.50	**13**	<0.50	<0.50	<0.50	6.8	<0.50	108.4	**31**

Notes:
ug/l - micrograms per liter
NA - Not analyzed for constituent
NS - Not sampled
E - Estimate value, calib. Range was exceeded
J - Estimated value below laboratory PQL.
1,4-Dioxane not included in VOC total

APPENDIX A

Photographic Log

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

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

Photo 1

Excavated treatment area, facing northeast.

Photo 2

Truck-mounted solution mixing equipment and track-mounted soil blending equipment.

Photo 3

First row of treatment area just prior to blending operation.

Photo 4

Solution mixing operation and solution delivery hoses leading to soil blending equipment.

Photo 5

Soil blending first cell.

Photo 6

Soil blending operations in first row.

Photo 7

Starting Day 2. Evidence of oxidization visible on water surface.

Photo 8

Soil blending activities.

Photo 9

Close-up of soil blending arm and solution delivery.

Photo 10

Soil blending operations – final cells.

Photo 11

Adding geotechnical fabric and backfilling.

Photo 12

Adding geotechnical fabric and backfilling.

Photo 13

Treatment Area after backfill is complete.

APPENDIX B

Well Construction Records and Schematics

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

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

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2675

1. WELL CONTRACTOR:

Robert Miller
Well Contractor (Individual) Name

SAEDACCO Inc
Well Contractor Company Name

9088 Northfield Dr.
Street Address

Ft. Mill S.C. 29707
City or Town State Zip Code

( ) (704) 634-4589
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) MW-2DR

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation☐ Other ☐ (list use)

DATE DRILLED 9-25-12 & 9-26-12 & 9-27-12

4. WELL LOCATION:

2912 Wake Forst Road
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Raleigh COUNTY Wake

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☒Slope ☐Valley ☒Flat ☐Ridge ☐Other

LATITUDE 35.82215 " DMS **OR** 3X.XXXXXXXX DD

LONGITUDE 78.62287 " DMS **OR** 7X.XXXXXXXX DD

Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Alcatel
Facility Name Facility ID# (if applicable)

2912 Wake Forst Road
Street Address

Raleigh N.C. 27609
City or Town State Zip Code

AMEC-Durham (Mike McKenna)
Contact Name

4021 Stirrup Creek Drive(Suite 100)
Mailing Address

Durham N.C. 27703
City or Town State Zip Code

(609) 977-3437
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 88'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: _____FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST**_____

f. **DISINFECTION: Type**_____ **Amount** _____

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 73'	Ft.	2''	sch40	pvc
Top 0	Bottom 23'	Ft.	6"	sch40	pvc
Top	Bottom	Ft.			

8. GROUT:

	Depth		Material	Method
Top 0	Bottom 69'	Ft.	portland	trimi
Top 0	Bottom 23'	Ft.	portland	trimi
Top	Bottom	Ft.		

9. SCREEN:

	Depth		Diameter	Slot Size	Material
Top 73'	Bottom 88'	Ft.	2" in.	.010 in.	pvc
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:

	Depth		Size	Material
Top 71'	Bottom 88'	Ft.	20/30	silica sand
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	23'	orange silt
23'	28'	sand stone
28'	88'	rock
	28'	

12. REMARKS:

2' bentonite seal from 69'to 71'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 9-29-12 DATE

Robert Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

PROJECT NAME: Alcatel-Lucent USA Inc.

WELL NUMBER: MW-2DR

LOCATION: Raleigh, NC

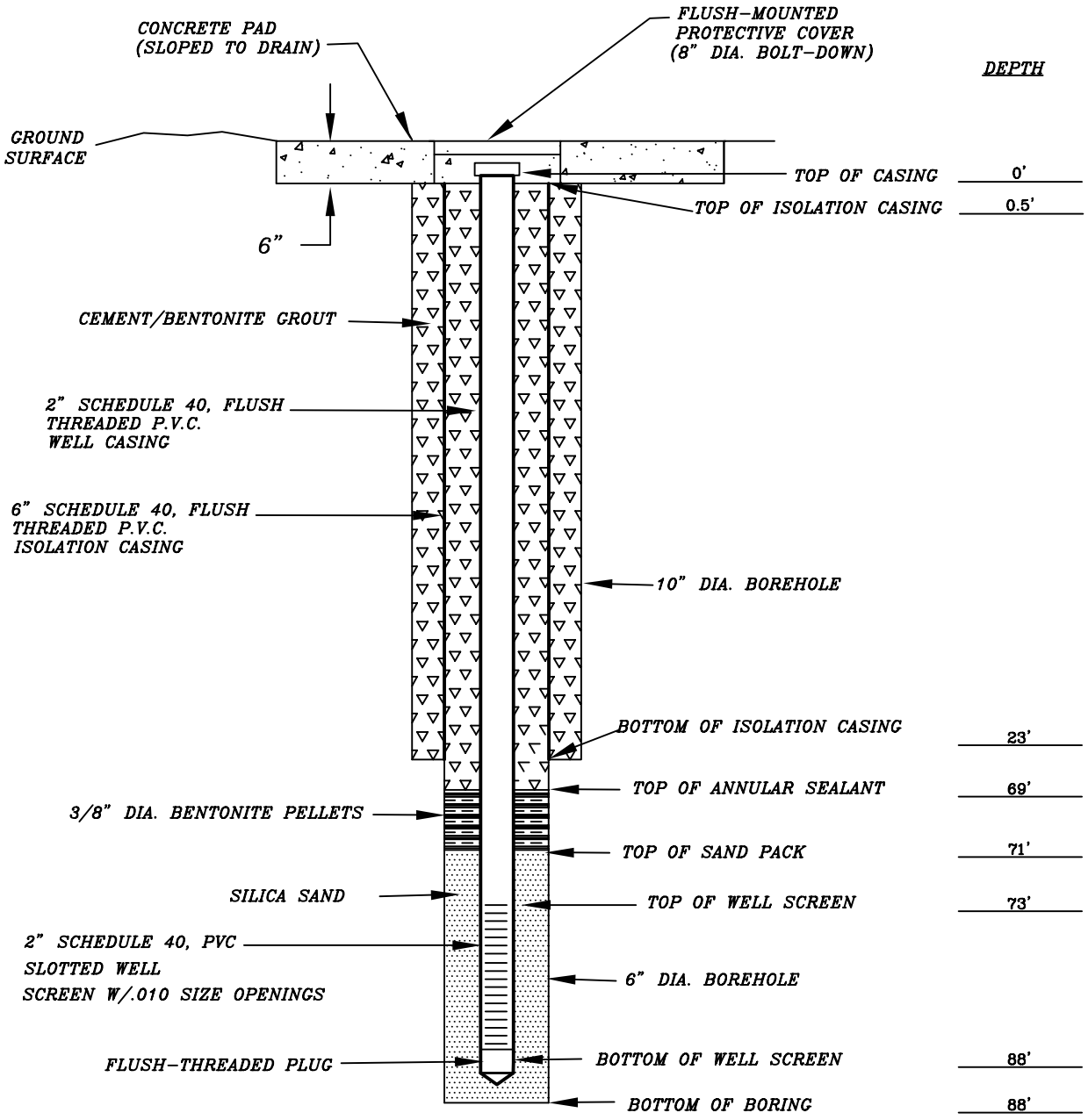
INSTALLATION DATE: 9/25-27/2012

SUBCONTRACTOR: SAEDACCO, Inc.

FIELD REP: Mike McKenna

DRILLER: Robert Miller

PROJECT NO.: 565280000



Note: Well schematic is not to scale

PREPARED BY:

amec

4021 Stirrup Creek Drive,
Suite 100
Durham, NC 27703
(919) 381-9900

TYPE III MONITORING WELL CONSTRUCTION SCHEMATIC

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2675

1. WELL CONTRACTOR:

Robert Miller
Well Contractor (Individual) Name

SAEDACCO Inc
Well Contractor Company Name

9088 Northfield Dr.
Street Address

Ft. Mill S.C. 29707
City or Town State Zip Code

( ) (704) 634-4589
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) MW-22S

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation☐ Other ☐ (list use)

DATE DRILLED 9-26-12

4. WELL LOCATION:

2912 Wake Forst Road
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Raleigh COUNTY Wake

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☒Slope ☐Valley ☐Flat ☐Ridge ☐Other

LATITUDE 35.82215 " DMS **OR** 3X.XXXXXXXXX DD

LONGITUDE 78.62287 " DMS **OR** 7X.XXXXXXXXX DD

Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Alcatel
Facility Name Facility ID# (if applicable)

2912 Wake Forst Road
Street Address

Raleigh N.C. 27609
City or Town State Zip Code

AMEC-Durham (Mike McKenna)
Contact Name

4021 Stirrup Creek Drive(Suite 100)
Mailing Address

Durham N.C. 27703
City or Town State Zip Code

(609) 977-3437
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 20'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: _____FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST**_____

f. **DISINFECTION: Type**_____ **Amount** _____

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 10'	Ft. 2''	sch40	pvc
Top	Bottom	Ft.		
Top	Bottom	Ft.		

8. GROUT:

Depth		Material	Method
Top 0	Bottom 6'	Ft. portland	pour
Top	Bottom	Ft.	
Top	Bottom	Ft.	

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 10'	Bottom 20'	Ft. 2" in.	.010 in.	pvc
Top	Bottom	Ft. in.	in.	
Top	Bottom	Ft. in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 8'	Bottom 20'	Ft. 20/30	silica sand
Top	Bottom	Ft.	
Top	Bottom	Ft.	

11. DRILLING LOG

Top	Bottom	Formation Description
0	20'	orange silt

12. REMARKS:

2' bentonite seal from 6'to 8'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 9-29-12

Robert Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

PROJECT NAME: Alcatel-Lucent USA Inc.

LOCATION: Raleigh, NC

SUBCONTRACTOR: SAEDACCO, Inc.

DRILLER: Robert Miller

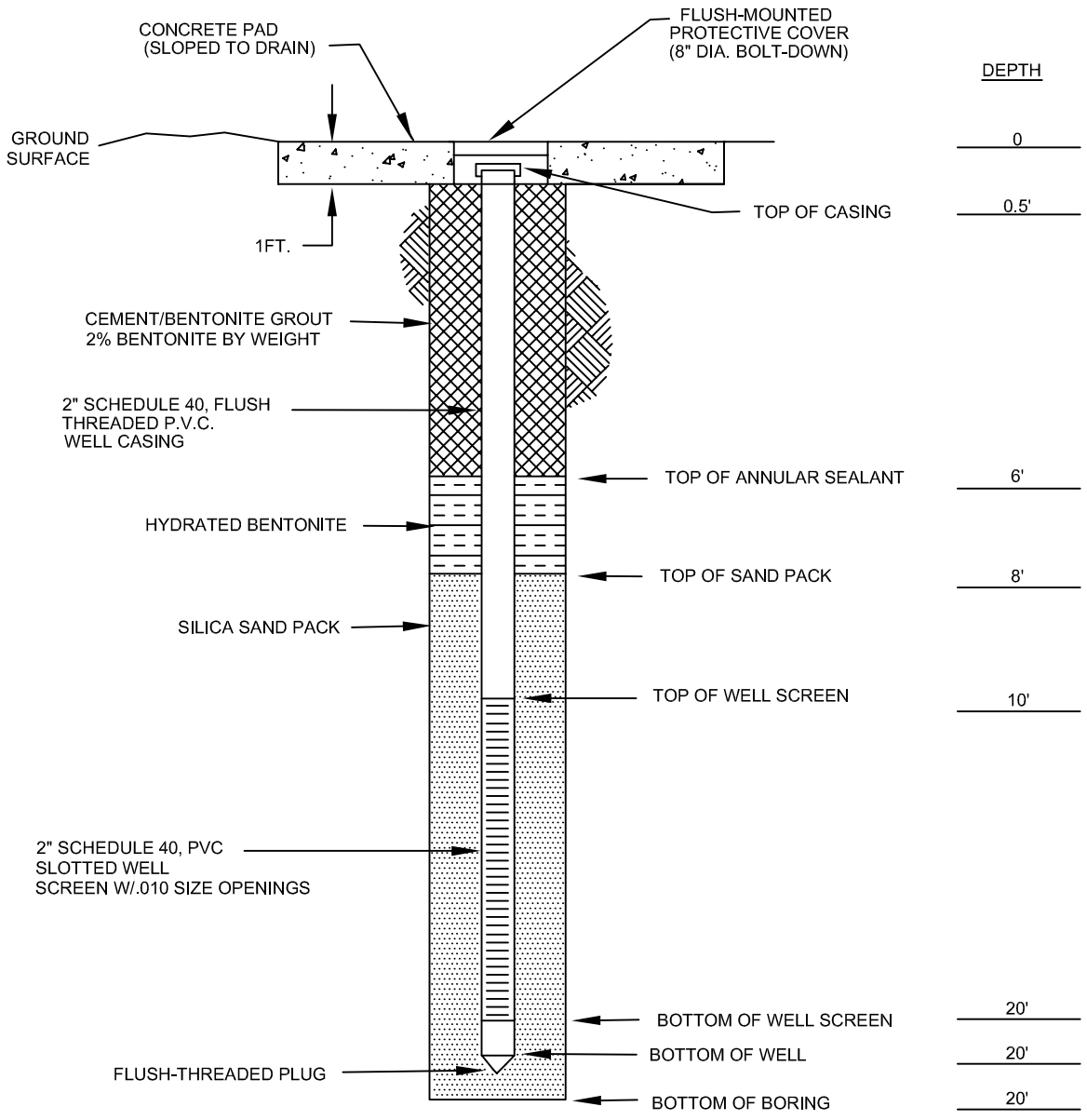
WELL NUMBER: MW-22S

INSTALLATION DATE: 09-26-2012

FIELD REP: Mike McKenna

PROJECT NO.: 565280000

WELL LOCATION: 2912 Wake Forest Road, Raleigh, NC



Note: Well schematic is not to scale

PREPARED BY:

amec

4021 Stirrup Creek Drive,
Suite 100
Durham, NC 27703
(919) 381-9900

TYPE II MONITORING WELL CONSTRUCTION SCHEMATIC

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2675

1. WELL CONTRACTOR:

Robert Miller
Well Contractor (Individual) Name

SAEDACCO Inc
Well Contractor Company Name

9088 Northfield Dr.
Street Address

Ft. Mill S.C. 29707
City or Town State Zip Code

( ) (704) 634-4589
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) MW-23S

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation☐ Other ☐ (list use)

DATE DRILLED 9-26-12

4. WELL LOCATION:

2912 Wake Forst Road
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Raleigh COUNTY Wake

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☒Slope ☐Valley ☐Flat ☐Ridge ☐Other

LATITUDE 35.82215 " DMS **OR** 3X.XXXXXXXX DD

LONGITUDE 78.62287 " DMS **OR** 7X.XXXXXXXX DD

Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Alcatel
Facility Name Facility ID# (if applicable)

2912 Wake Forst Road
Street Address

Raleigh N.C. 27609
City or Town State Zip Code

AMEC-Durham (Mike McKenna)
Contact Name

4021 Stirrup Creek Drive(Suite 100)
Mailing Address

Durham N.C. 27703
City or Town State Zip Code

(609) 977-3437
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 18'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: _____FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST**_____

f. **DISINFECTION: Type**_____ **Amount** _____

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Top	Bottom	Ft.	Diameter	Thickness/ Weight	Material
0	8'		2''	sch40	pvc

8. GROUT:

Top	Bottom	Ft.	Material	Method
0	4'		portland	pour

9. SCREEN:

Top	Bottom	Ft.	Diameter	Slot Size	Material
8'	18'		2" in.	.010 in.	pvc
			in.	in.	
			in.	in.	

10. SAND/GRAVEL PACK:

Top	Bottom	Ft.	Size	Material
6'	18'		20/30	silica sand

11. DRILLING LOG

Top	Bottom	Formation Description
0	18'	orange silt

12. REMARKS:

2' bentonite seal from 4'to 6'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 9-29-12 DATE

Robert Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

PROJECT NAME: Alcatel-Lucent USA Inc.

LOCATION: Raleigh, NC

SUBCONTRACTOR: SAEDACCO, Inc.

DRILLER: Robert Miller

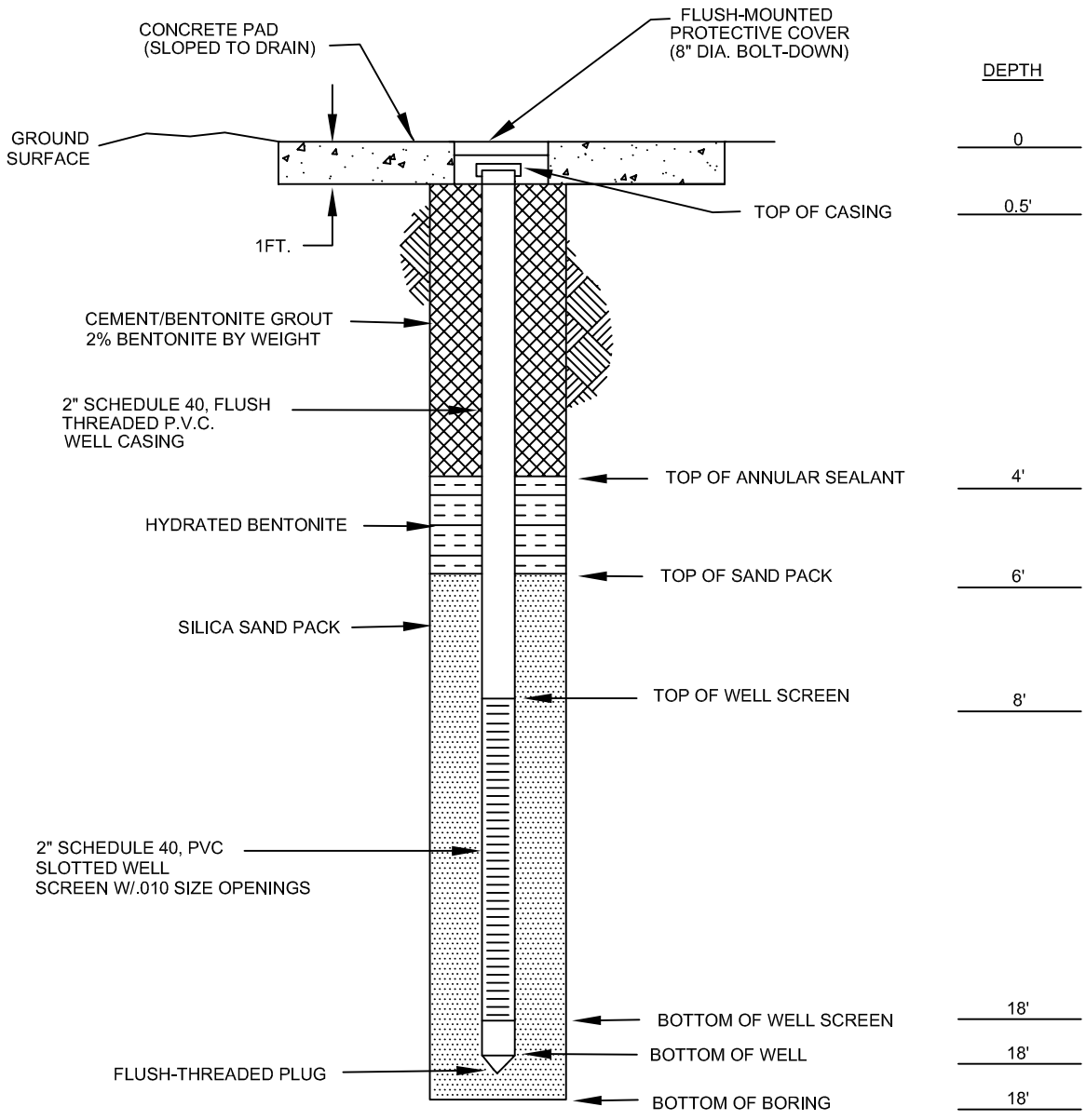
WELL NUMBER: MW-23S

INSTALLATION DATE: 09-26-2012

FIELD REP: Mike McKenna

PROJECT NO.: 565280000

WELL LOCATION: 2912 Wake Forest Road, Raleigh, NC



Note: Well schematic is not to scale

PREPARED BY:

amec

4021 Stirrup Creek Drive,
Suite 100
Durham, NC 27703
(919) 381-9900

TYPE II MONITORING WELL CONSTRUCTION SCHEMATIC

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2675

1. WELL CONTRACTOR:

Robert Miller
Well Contractor (Individual) Name

SAEDACCO Inc
Well Contractor Company Name

9088 Northfield Dr.
Street Address

Ft. Mill S.C. 29707
City or Town State Zip Code

( ) (704) 634-4589
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) MW-24S

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation☐ Other ☐ (list use)

DATE DRILLED 9-26-12

4. WELL LOCATION:

2912 Wake Forst Road
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Raleigh COUNTY Wake

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☒Slope ☐Valley ☐Flat ☐Ridge ☐Other

LATITUDE 35.82215 " DMS **OR** 3X.XXXXXXXXX DD

LONGITUDE 78.62287 " DMS **OR** 7X.XXXXXXXXX DD

Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Alcatel
Facility Name Facility ID# (if applicable)

2912 Wake Forst Road
Street Address

Raleigh N.C. 27609
City or Town State Zip Code

AMEC-Durham (Mike McKenna)
Contact Name

4021 Stirrup Creek Drive(Suite 100)
Mailing Address

Durham N.C. 27703
City or Town State Zip Code

(609) 977-3437
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 20'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: _____FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST**_____

f. **DISINFECTION: Type**_____ **Amount** _____

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Top	Bottom	Ft.	Diameter	Thickness/ Weight	Material
0	10'		2''	sch40	pvc

8. GROUT:

Top	Bottom	Ft.	Material	Method
0	6'		portland	pour

9. SCREEN:

Top	Bottom	Ft.	Diameter	in.	Slot Size	in.	Material
10'	20'		2"		.010		pvc

10. SAND/GRAVEL PACK:

Top	Bottom	Ft.	Size	Material
8'	20'		20/30	silica sand

11. DRILLING LOG

Top	Bottom	Formation Description
0	20'	orange silt

12. REMARKS:

2' bentonite seal from 6'to 8'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 9-29-12

Robert Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

PROJECT NAME: Alcatel-Lucent USA Inc.

LOCATION: Raleigh, NC

SUBCONTRACTOR: SAEDACCO, Inc.

DRILLER: Robert Miller

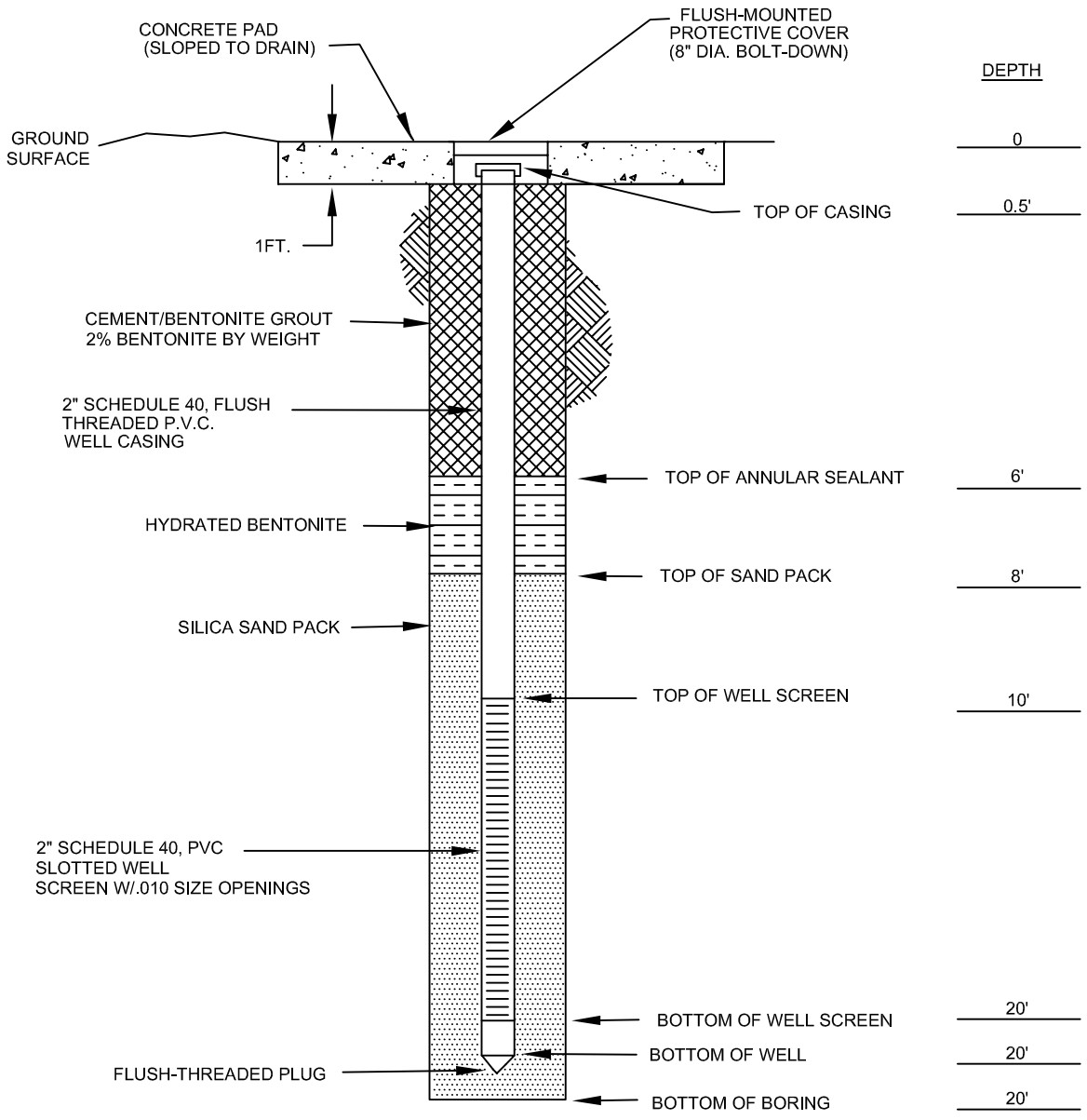
WELL NUMBER: MW-24S

INSTALLATION DATE: 09-26-2012

FIELD REP: Mike McKenna

PROJECT NO.: 565280000

WELL LOCATION: 2912 Wake Forest Road, Raleigh, NC



Note: Well schematic is not to scale

PREPARED BY:

amec

4021 Stirrup Creek Drive,
Suite 100
Durham, NC 27703
(919) 381-9900

TYPE II MONITORING WELL CONSTRUCTION SCHEMATIC

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2675

1. WELL CONTRACTOR:

Robert Miller
Well Contractor (Individual) Name

SAEDACCO Inc
Well Contractor Company Name

9088 Northfield Dr.
Street Address

Ft. Mill S.C. 29707
City or Town State Zip Code

( ) (704) 634-4589
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) MW-24D

3. WELL USE (Check One Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation☐ Other ☐ (list use)

DATE DRILLED 9-25-12 & 9-26-12

4. WELL LOCATION:

2912 Wake Forst Road
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Raleigh COUNTY Wake

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☒Slope ☐Valley ☐Flat ☐Ridge ☐Other

LATITUDE 35.82215 " DMS **OR** 3X.XXXXXXXX DD

LONGITUDE 78.62287 " DMS **OR** 7X.XXXXXXXX DD

Latitude/longitude source: ☐GPS ☒Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Alcatel
Facility Name Facility ID# (if applicable)

2912 Wake Forst Road
Street Address

Raleigh N.C. 27609
City or Town State Zip Code

AMEC-Durham (Mike McKenna)
Contact Name

4021 Stirrup Creek Drive(Suite 100)
Mailing Address

Durham N.C. 27703
City or Town State Zip Code

(609) 977-3437
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 44'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: _____FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST**_____

f. **DISINFECTION: Type**_____ **Amount** _____

g. **WATER ZONES** (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 39'	Ft.	2''	sch40	pvc
Top 0	Bottom 34'	Ft.	6"	sch40	pvc
Top	Bottom	Ft.			

8. GROUT:

	Depth		Material	Method
Top 0	Bottom 35'	Ft.	portland	trimi
Top 0	Bottom 34'	Ft.	portland	trimi
Top	Bottom	Ft.		

9. SCREEN:

	Depth		Diameter	Slot Size	Material
Top 39'	Bottom 44'	Ft.	2" in.	.010 in.	pvc
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:

	Depth		Size	Material
Top 37'	Bottom 44'	Ft.	20/30	silica sand
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	29'	orange silt
29'	44'	rock
	44'	

12. REMARKS:

2' bentonite seal from 35'to 37'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE: 9-29-12

Robert Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

PROJECT NAME: Alcatel-Lucent USA Inc.

WELL NUMBER: MW-24D

LOCATION: Raleigh, NC

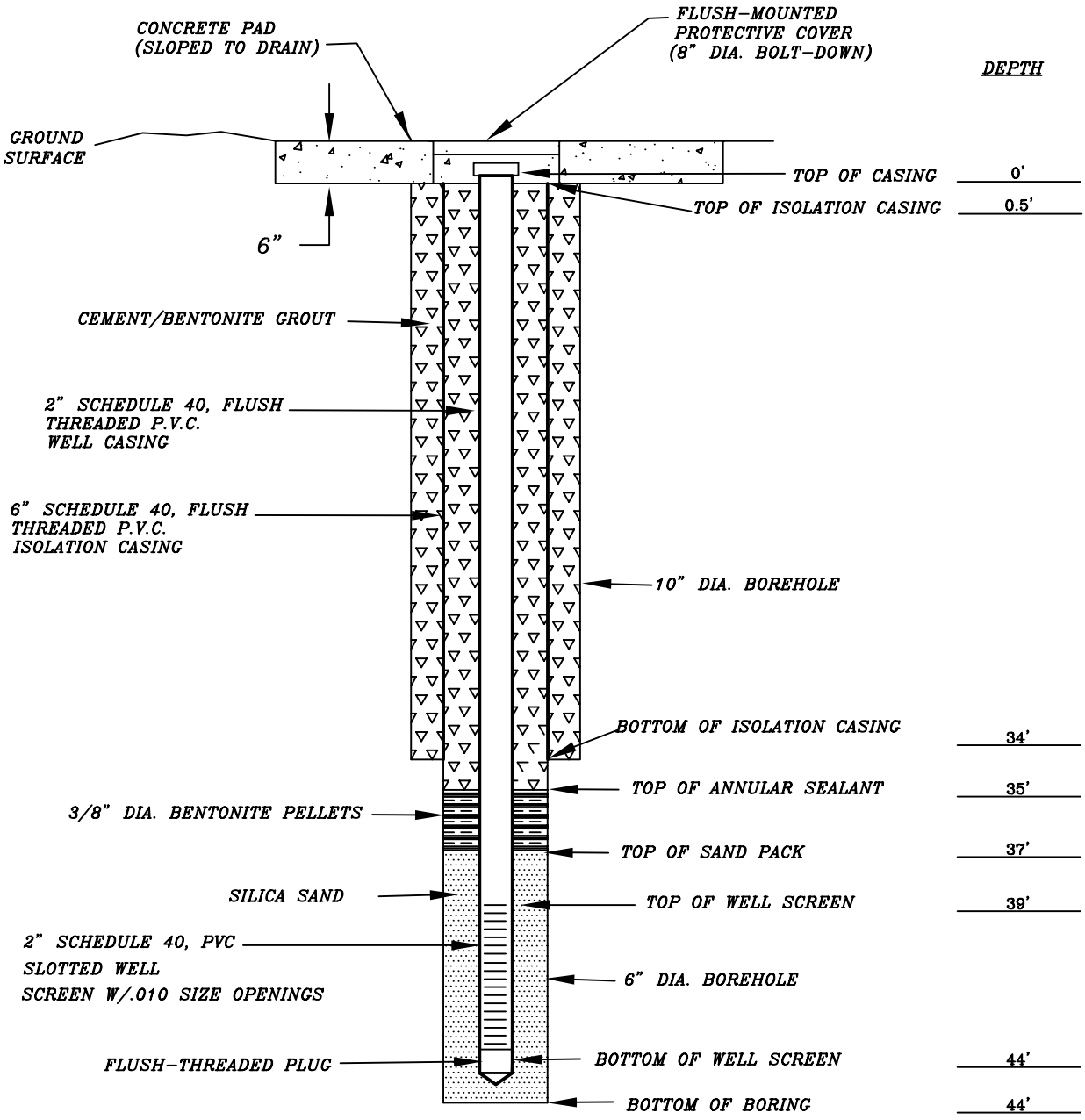
INSTALLATION DATE: 9/25-26/2012

SUBCONTRACTOR: SAEDACCO, Inc.

FIELD REP: Mike McKenna

DRILLER: Robert Miller

PROJECT NO.: 565280000



Note: Well schematic is not to scale

PREPARED BY:

amec

4021 Stirrup Creek Drive,
Suite 100
Durham, NC 27703
(919) 381-9900

TYPE III MONITORING WELL CONSTRUCTION SCHEMATIC

APPENDIX C

October 2012 Analytical Data

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

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

Case Narrative

11/02/2012

AMEC Env. & Infrastructure Inc (Morrisville)
Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Lab Submittal Date: 10/19/2012
Prism Work Order: 2100612

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

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

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

Respectfully,

PRISM LABORATORIES, INC.

President/Project Manager

Reviewed By

Data Qualifiers Key Reference:

D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

11/02/2012

Prism Work Order: 2100612

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-19i	2100612-01	Water	10/18/12	10/19/12
DUP01	2100612-02	Water	10/18/12	10/19/12
MW-23s	2100612-03	Water	10/18/12	10/19/12
MW-24D	2100612-04	Water	10/18/12	10/19/12
MW-24s	2100612-05	Water	10/18/12	10/19/12
MW-3D	2100612-06	Water	10/18/12	10/19/12
MW-22s	2100612-07	Water	10/18/12	10/19/12
MW-12s	2100612-08	Water	10/18/12	10/19/12
MW-4s	2100612-09	Water	10/18/12	10/19/12
MW-4D	2100612-10	Water	10/18/12	10/19/12
Trip Blank	2100612-11	Water	10/18/12	10/19/12

Samples received in good condition at 2.4 degrees C unless otherwise noted.

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

Summary of Detections

11/02/2012

Prism Work Order: 2100612

Prism ID	Client ID	Parameter	Method	Result		Units
2100612-01	MW-19i	1,1,1-Trichloroethane	SM6200 B	2.6		ug/L
2100612-01	MW-19i	1,1-Dichloroethane	SM6200 B	10		ug/L
2100612-01	MW-19i	1,1-Dichloroethylene	SM6200 B	49		ug/L
2100612-01	MW-19i	Tetrachloroethylene	SM6200 B	31		ug/L
2100612-01	MW-19i	Trichloroethylene	SM6200 B	1.8		ug/L
2100612-01	MW-19i	1,4-Dioxane	8260B SIM	46		ug/L
2100612-02	DUP01	1,1,1-Trichloroethane	SM6200 B	2.9		ug/L
2100612-02	DUP01	1,1-Dichloroethane	SM6200 B	11		ug/L
2100612-02	DUP01	1,1-Dichloroethylene	SM6200 B	47		ug/L
2100612-02	DUP01	Tetrachloroethylene	SM6200 B	35		ug/L
2100612-02	DUP01	Trichloroethylene	SM6200 B	2.1		ug/L
2100612-02	DUP01	1,4-Dioxane	8260B SIM	62		ug/L
2100612-03	MW-23s	1,1,1-Trichloroethane	SM6200 B	54		ug/L
2100612-03	MW-23s	1,1-Dichloroethane	SM6200 B	260		ug/L
2100612-03	MW-23s	Acetone	SM6200 B	520		ug/L
2100612-03	MW-23s	Bromomethane	SM6200 B	290		ug/L
2100612-03	MW-23s	Chloromethane	SM6200 B	1700		ug/L
2100612-03	MW-23s	Ethanol	SM6200 B	20000		ug/L
2100612-03	MW-23s	Tetrachloroethylene	SM6200 B	34		ug/L
2100612-03	MW-23s	Trichlorofluoromethane	SM6200 B	68		ug/L
2100612-03	MW-23s	1,4-Dioxane	8260B SIM	110		ug/L
2100612-04	MW-24D	1,1,1-Trichloroethane	SM6200 B	110		ug/L
2100612-04	MW-24D	1,1-Dichloroethane	SM6200 B	50		ug/L
2100612-04	MW-24D	1,1-Dichloroethylene	SM6200 B	28		ug/L
2100612-04	MW-24D	1,2-Dichloroethane	SM6200 B	0.59		ug/L
2100612-04	MW-24D	Acetone	SM6200 B	4.3	J	ug/L
2100612-04	MW-24D	Chloromethane	SM6200 B	7.2		ug/L
2100612-04	MW-24D	cis-1,2-Dichloroethylene	SM6200 B	0.89		ug/L
2100612-04	MW-24D	Dichlorodifluoromethane	SM6200 B	3.2		ug/L
2100612-04	MW-24D	Tetrachloroethylene	SM6200 B	20		ug/L
2100612-04	MW-24D	Trichlorofluoromethane	SM6200 B	10		ug/L
2100612-04	MW-24D	1,4-Dioxane	8260B SIM	30		ug/L
2100612-05	MW-24s	1,1,1-Trichloroethane	SM6200 B	35		ug/L
2100612-05	MW-24s	1,1,2-Trichloroethane	SM6200 B	2.6		ug/L
2100612-05	MW-24s	1,1-Dichloroethane	SM6200 B	110		ug/L
2100612-05	MW-24s	1,2-Dichloroethane	SM6200 B	4.1		ug/L
2100612-05	MW-24s	Acetone	SM6200 B	190		ug/L
2100612-05	MW-24s	Benzene	SM6200 B	1.2		ug/L
2100612-05	MW-24s	Bromochloromethane	SM6200 B	2.5		ug/L
2100612-05	MW-24s	Bromomethane	SM6200 B	83		ug/L
2100612-05	MW-24s	Chloroethane	SM6200 B	1.0		ug/L
2100612-05	MW-24s	Chloroform	SM6200 B	8.2		ug/L
2100612-05	MW-24s	Chloromethane	SM6200 B	120		ug/L
2100612-05	MW-24s	Dibromomethane	SM6200 B	4.5		ug/L

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

Summary of Detections

11/02/2012

Prism Work Order: 2100612

Prism ID	Client ID	Parameter	Method	Result		Units
2100612-05	MW-24s	Dichlorodifluoromethane	SM6200 B	1.5		ug/L
2100612-05	MW-24s	Ethanol	SM6200 B	930		ug/L
2100612-05	MW-24s	Methyl Butyl Ketone (2-Hexanone)	SM6200 B	2.0		ug/L
2100612-05	MW-24s	Methyl Ethyl Ketone (2-Butanone)	SM6200 B	6.3		ug/L
2100612-05	MW-24s	Methyl Isobutyl Ketone	SM6200 B	0.75	J	ug/L
2100612-05	MW-24s	Methylene Chloride	SM6200 B	1.4	J	ug/L
2100612-05	MW-24s	Tetrachloroethylene	SM6200 B	5.3		ug/L
2100612-05	MW-24s	Trichlorofluoromethane	SM6200 B	18		ug/L
2100612-05	MW-24s	1,4-Dioxane	8260B SIM	350		ug/L
2100612-06	MW-3D	1,1,1-Trichloroethane	SM6200 B	22		ug/L
2100612-06	MW-3D	1,1-Dichloroethane	SM6200 B	8.7		ug/L
2100612-06	MW-3D	1,1-Dichloroethylene	SM6200 B	11		ug/L
2100612-06	MW-3D	Dichlorodifluoromethane	SM6200 B	0.82	J	ug/L
2100612-06	MW-3D	Tetrachloroethylene	SM6200 B	4.7		ug/L
2100612-06	MW-3D	Trichlorofluoromethane	SM6200 B	2.5		ug/L
2100612-07	MW-22s	1,1,1-Trichloroethane	SM6200 B	34		ug/L
2100612-07	MW-22s	1,1,2-Trichloroethane	SM6200 B	2.2		ug/L
2100612-07	MW-22s	1,1-Dichloroethane	SM6200 B	100		ug/L
2100612-07	MW-22s	1,1-Dichloroethylene	SM6200 B	340		ug/L
2100612-07	MW-22s	1,2-Dichlorobenzene	SM6200 B	0.58		ug/L
2100612-07	MW-22s	1,2-Dichloroethane	SM6200 B	2.6		ug/L
2100612-07	MW-22s	Chloroform	SM6200 B	4.6		ug/L
2100612-07	MW-22s	cis-1,2-Dichloroethylene	SM6200 B	0.95		ug/L
2100612-07	MW-22s	Tetrachloroethylene	SM6200 B	140		ug/L
2100612-07	MW-22s	Trichloroethylene	SM6200 B	2.2		ug/L
2100612-07	MW-22s	Trichlorofluoromethane	SM6200 B	5.6		ug/L
2100612-07	MW-22s	1,4-Dioxane	8260B SIM	760		ug/L
2100612-08	MW-12s	1,1,1-Trichloroethane	SM6200 B	2.3		ug/L
2100612-08	MW-12s	1,1-Dichloroethane	SM6200 B	1.4		ug/L
2100612-08	MW-12s	1,1-Dichloroethylene	SM6200 B	0.67		ug/L
2100612-08	MW-12s	Tetrachloroethylene	SM6200 B	1.8		ug/L
2100612-08	MW-12s	Trichlorofluoromethane	SM6200 B	0.64		ug/L
2100612-08	MW-12s	1,4-Dioxane	8260B SIM	30		ug/L
2100612-09	MW-4s	1,1,1-Trichloroethane	SM6200 B	3.7		ug/L
2100612-09	MW-4s	1,1-Dichloroethylene	SM6200 B	2.1		ug/L
2100612-09	MW-4s	Tetrachloroethylene	SM6200 B	38		ug/L
2100612-09	MW-4s	Trichlorofluoromethane	SM6200 B	1.1		ug/L
2100612-10	MW-4D	1,1,1-Trichloroethane	SM6200 B	210		ug/L
2100612-10	MW-4D	1,1-Dichloroethane	SM6200 B	8.4		ug/L
2100612-10	MW-4D	1,1-Dichloroethylene	SM6200 B	80		ug/L
2100612-10	MW-4D	Tetrachloroethylene	SM6200 B	1100		ug/L
2100612-10	MW-4D	Trichlorofluoromethane	SM6200 B	8.9		ug/L
2100612-10	MW-4D	1,4-Dioxane	8260B SIM	6.2		ug/L

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

AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-19i
Prism Sample ID: 2100612-01
Prism Work Order: 2100612
Time Collected: 10/18/12 16:45
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,1,1-Trichloroethane	**2.6**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 16:38**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,1-Dichloroethane	**10**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 16:38**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**49**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 16:38**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 16:38	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-19i
Prism Sample ID: 2100612-01
Prism Work Order: 2100612
Time Collected: 10/18/12 16:45
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Tetrachloroethylene	**31**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 16:38**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Trichloroethylene	**1.8**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 16:38**	**VHL**	**P2J0583**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 16:38	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 16:38	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*70-130*
Dibromofluoromethane	*101 %*	*70-130*
Toluene-d8	*100 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**46**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 6:41**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: DUP01
Prism Sample ID: 2100612-02
Prism Work Order: 2100612
Time Collected: 10/18/12 16:45
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,1,1-Trichloroethane	**2.9**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 19:15**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,1-Dichloroethane	**11**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 19:15**	**VHL**	**P2J0576**
1,1-Dichloroethylene	**47**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 19:15**	**VHL**	**P2J0576**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 19:15	VHL	P2J0576

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: DUP01
Prism Sample ID: 2100612-02
Prism Work Order: 2100612
Time Collected: 10/18/12 16:45
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Tetrachloroethylene	**35**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 19:15**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Trichloroethylene	**2.1**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 19:15**	**VHL**	**P2J0576**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:15	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 19:15	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*103 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**62**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/24/12 19:33**	**VHL**	**P2J0595**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-23s
Prism Sample ID: 2100612-03
Prism Work Order: 2100612
Time Collected: 10/18/12 15:31
Time Submitted: 10/19/12 18:00

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	25	3.5	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,1,1-Trichloroethane	**54**	**ug/L**	**25**	**3.8**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	25	3.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,1,2-Trichloroethane	BRL	ug/L	25	3.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,1-Dichloroethane	**260**	**ug/L**	**25**	**1.9**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
1,1-Dichloroethylene	BRL	ug/L	25	2.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,1-Dichloropropylene	BRL	ug/L	25	3.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	25	5.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	25	4.5	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	25	7.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	25	1.9	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	100	30	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	25	2.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	25	2.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2-Dichloroethane	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,2-Dichloropropane	BRL	ug/L	25	3.1	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	25	1.9	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	25	3.5	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	100	14	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	25	1.9	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	25	2.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Acetone	**520**	**ug/L**	**500**	**76**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
Benzene	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Bromobenzene	BRL	ug/L	25	4.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Bromochloromethane	BRL	ug/L	25	2.5	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	25	1.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Bromoform	BRL	ug/L	25	5.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Bromomethane	**290**	**ug/L**	**50**	**12**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
Carbon Tetrachloride	BRL	ug/L	25	3.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Chlorobenzene	BRL	ug/L	25	1.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Chloroethane	BRL	ug/L	25	4.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Chloroform	BRL	ug/L	25	2.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Chloromethane	**1700**	**ug/L**	**25**	**1.6**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
cis-1,2-Dichloroethylene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
cis-1,3-Dichloropropylene	BRL	ug/L	25	3.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	25	3.1	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Dibromomethane	BRL	ug/L	25	2.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Dichlorodifluoromethane	BRL	ug/L	50	2.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Ethanol	**20000**	**ug/L**	**10000**	**2100**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-23s
Prism Sample ID: 2100612-03
Prism Work Order: 2100612
Time Collected: 10/18/12 15:31
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	100	21	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	25	2.1	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	25	1.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	50	5.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	50	5.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	250	41	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	50	2.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Methylene Chloride	BRL	ug/L	100	3.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	50	2.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Naphthalene	BRL	ug/L	50	4.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
o-Xylene	BRL	ug/L	25	3.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Styrene	BRL	ug/L	25	1.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	25	5.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Tetrachloroethylene	**34**	**ug/L**	**25**	**4.8**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	25	2.8	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	25	3.0	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	25	2.7	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Trichloroethylene	BRL	ug/L	25	2.2	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Trichlorofluoromethane	**68**	**ug/L**	**25**	**2.5**	**50**	**SM6200 B**	**10/23/12 21:46**	**VHL**	**P2J0576**
Vinyl acetate	BRL	ug/L	250	66	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Vinyl chloride	BRL	ug/L	25	3.4	50	SM6200 B	10/23/12 21:46	VHL	P2J0576
Xylenes, total	BRL	ug/L	75	8.6	50	SM6200 B	10/23/12 21:46	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*101 %*	*70-130*
Toluene-d8	*104 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**110**	**ug/L**	**30**	**13**	**10**	**8260B SIM**	**10/26/12 1:15**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-24D
Prism Sample ID: 2100612-04
Prism Work Order: 2100612
Time Collected: 10/18/12 14:42
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,1,1-Trichloroethane	**110**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,1-Dichloroethane	**50**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
1,1-Dichloroethylene	**28**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,2-Dichloroethane	**0.59**	**ug/L**	**0.50**	**0.054**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Acetone	**4.3 J**	**ug/L**	**10**	**1.5**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Chloromethane	**7.2**	**ug/L**	**0.50**	**0.032**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
cis-1,2-Dichloroethylene	**0.89**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Dichlorodifluoromethane	**3.2**	**ug/L**	**1.0**	**0.057**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 20:05	VHL	P2J0576

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-24D
Prism Sample ID: 2100612-04
Prism Work Order: 2100612
Time Collected: 10/18/12 14:42
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Tetrachloroethylene	**20**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Trichlorofluoromethane	**10**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 20:05**	**VHL**	**P2J0576**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:05	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 20:05	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*114 %*	*70-130*
Dibromofluoromethane	*104 %*	*70-130*
Toluene-d8	*105 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**30**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 5:36**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-24s
Prism Sample ID: 2100612-05
Prism Work Order: 2100612
Time Collected: 10/18/12 14:05
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,1,1-Trichloroethane	**35**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,1,2-Trichloroethane	**2.6**	**ug/L**	**0.50**	**0.068**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
1,1-Dichloroethane	**110**	**ug/L**	**5.0**	**0.38**	**10**	**SM6200 B**	**10/25/12 1:57**	**VHL**	**P2J0576**
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,2-Dichloroethane	**4.1**	**ug/L**	**0.50**	**0.054**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Acetone	**190**	**ug/L**	**10**	**1.5**	**1**	**SM6200 B**	**10/25/12 1:57**	**VHL**	**P2J0576**
Benzene	**1.2**	**ug/L**	**0.50**	**0.054**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Bromochloromethane	**2.5**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Bromomethane	**83**	**ug/L**	**1.0**	**0.24**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Chloroethane	**1.0**	**ug/L**	**0.50**	**0.088**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Chloroform	**8.2**	**ug/L**	**0.50**	**0.053**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Chloromethane	**120**	**ug/L**	**5.0**	**0.32**	**10**	**SM6200 B**	**10/25/12 1:57**	**VHL**	**P2J0576**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Dibromomethane	**4.5**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Dichlorodifluoromethane	**1.5**	**ug/L**	**1.0**	**0.057**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-24s
Prism Sample ID: 2100612-05
Prism Work Order: 2100612
Time Collected: 10/18/12 14:05
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethanol	**930**	**ug/L**	**200**	**42**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	**2.0**	**ug/L**	**1.0**	**0.11**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Methyl Ethyl Ketone (2-Butanone)	**6.3**	**ug/L**	**5.0**	**0.83**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Methyl Isobutyl Ketone	**0.75 J**	**ug/L**	**1.0**	**0.048**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Methylene Chloride	**1.4 J**	**ug/L**	**2.0**	**0.073**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Tetrachloroethylene	**5.3**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Trichlorofluoromethane	**18**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 20:56**	**VHL**	**P2J0576**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:56	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 20:56	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*117 %*	*70-130*
Dibromofluoromethane	*105 %*	*70-130*
Toluene-d8	*105 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**350**	**ug/L**	**30**	**13**	**10**	**8260B SIM**	**10/26/12 5:04**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3D
Prism Sample ID: 2100612-06
Prism Work Order: 2100612
Time Collected: 10/18/12 14:40
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,1,1-Trichloroethane	**22**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,1-Dichloroethane	**8.7**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**11**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Dichlorodifluoromethane	**0.82 J**	**ug/L**	**1.0**	**0.057**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 17:10	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3D
Prism Sample ID: 2100612-06
Prism Work Order: 2100612
Time Collected: 10/18/12 14:40
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Tetrachloroethylene	**4.7**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Trichlorofluoromethane	**2.5**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 17:10**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 17:10	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 17:10	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*103 %*	*70-130*
Toluene-d8	*100 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 16:49	VHL	P2J0595

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-22s
Prism Sample ID: 2100612-07
Prism Work Order: 2100612
Time Collected: 10/18/12 13:40
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,1,1-Trichloroethane	**34**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,1,2-Trichloroethane	**2.2**	**ug/L**	**0.50**	**0.068**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
1,1-Dichloroethane	**100**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
1,1-Dichloroethylene	**340**	**ug/L**	**5.0**	**0.57**	**10**	**SM6200 B**	**10/25/12 2:22**	**VHL**	**P2J0576**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,2-Dichlorobenzene	**0.58**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
1,2-Dichloroethane	**2.6**	**ug/L**	**0.50**	**0.054**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Chloroform	**4.6**	**ug/L**	**0.50**	**0.053**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
cis-1,2-Dichloroethylene	**0.95**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 20:30	VHL	P2J0576

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-22s
Prism Sample ID: 2100612-07
Prism Work Order: 2100612
Time Collected: 10/18/12 13:40
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Tetrachloroethylene	**140**	**ug/L**	**5.0**	**0.96**	**10**	**SM6200 B**	**10/25/12 2:22**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Trichloroethylene	**2.2**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
Trichlorofluoromethane	**5.6**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 20:30**	**VHL**	**P2J0576**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:30	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 20:30	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*118 %*	*70-130*
Dibromofluoromethane	*101 %*	*70-130*
Toluene-d8	*105 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**760**	**ug/L**	**30**	**13**	**10**	**8260B SIM**	**10/26/12 8:19**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-12s
Prism Sample ID: 2100612-08
Prism Work Order: 2100612
Time Collected: 10/18/12 16:55
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,1,1-Trichloroethane	**2.3**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 17:41**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,1-Dichloroethane	**1.4**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 17:41**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**0.67**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 17:41**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 17:41	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-12s
Prism Sample ID: 2100612-08
Prism Work Order: 2100612
Time Collected: 10/18/12 16:55
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Tetrachloroethylene	**1.8**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 17:41**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Trichlorofluoromethane	**0.64**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 17:41**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 17:41	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 17:41	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*98 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**30**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 6:09**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-4s
Prism Sample ID: 2100612-09
Prism Work Order: 2100612
Time Collected: 10/18/12 16:00
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,1,1-Trichloroethane	**3.7**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/24/12 1:39**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,1-Dichloroethylene	**2.1**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/24/12 1:39**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 1:39	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-4s
Prism Sample ID: 2100612-09
Prism Work Order: 2100612
Time Collected: 10/18/12 16:00
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Tetrachloroethylene	**38**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/24/12 1:39**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Trichlorofluoromethane	**1.1**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/24/12 1:39**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 1:39	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 1:39	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*101 %*	*70-130*
Toluene-d8	*98 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/26/12 0:10	VHL	P2J0638

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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 Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-4D
Prism Sample ID: 2100612-10
Prism Work Order: 2100612
Time Collected: 10/18/12 15:20
Time Submitted: 10/19/12 18:00

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	2.5	0.35	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,1,1-Trichloroethane	**210**	**ug/L**	**2.5**	**0.38**	**5**	**SM6200 B**	**10/24/12 5:53**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	2.5	0.38	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	2.5	0.34	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,1-Dichloroethane	**8.4**	**ug/L**	**2.5**	**0.19**	**5**	**SM6200 B**	**10/24/12 5:53**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**80**	**ug/L**	**2.5**	**0.28**	**5**	**SM6200 B**	**10/24/12 5:53**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	2.5	0.36	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	2.5	0.58	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	2.5	0.45	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	2.5	0.74	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	2.5	0.19	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	10	3.0	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	2.5	0.20	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	2.5	0.22	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	2.5	0.31	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	2.5	0.19	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	2.5	0.35	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	10	1.4	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	2.5	0.19	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	2.5	0.26	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Acetone	BRL	ug/L	50	7.6	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Benzene	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Bromobenzene	BRL	ug/L	2.5	0.44	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Bromochloromethane	BRL	ug/L	2.5	0.25	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	2.5	0.16	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Bromoform	BRL	ug/L	2.5	0.52	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Bromomethane	BRL	ug/L	5.0	1.2	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	2.5	0.32	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Chlorobenzene	BRL	ug/L	2.5	0.12	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Chloroethane	BRL	ug/L	2.5	0.44	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Chloroform	BRL	ug/L	2.5	0.26	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Chloromethane	BRL	ug/L	2.5	0.16	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	2.5	0.32	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	2.5	0.31	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Dibromomethane	BRL	ug/L	2.5	0.22	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	5.0	0.28	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Ethanol	BRL	ug/L	1000	210	5	SM6200 B	10/24/12 5:53	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-4D
Prism Sample ID: 2100612-10
Prism Work Order: 2100612
Time Collected: 10/18/12 15:20
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	10	2.1	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	2.5	0.21	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	2.5	0.17	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	5.0	0.54	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.56	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	25	4.1	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.24	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Methylene Chloride	BRL	ug/L	10	0.36	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	5.0	0.28	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Naphthalene	BRL	ug/L	5.0	0.47	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
o-Xylene	BRL	ug/L	2.5	0.32	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Styrene	BRL	ug/L	2.5	0.17	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	2.5	0.54	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Tetrachloroethylene	**1100**	**ug/L**	**25**	**4.8**	**50**	**SM6200 B**	**10/24/12 6:25**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	2.5	0.28	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	2.5	0.30	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	2.5	0.27	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Trichloroethylene	BRL	ug/L	2.5	0.22	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Trichlorofluoromethane	**8.9**	**ug/L**	**2.5**	**0.25**	**5**	**SM6200 B**	**10/24/12 5:53**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	25	6.6	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Vinyl chloride	BRL	ug/L	2.5	0.34	5	SM6200 B	10/24/12 5:53	VHL	P2J0583
Xylenes, total	BRL	ug/L	7.5	0.86	5	SM6200 B	10/24/12 5:53	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*103 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**6.2**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 0:42**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 2100612-11
Prism Work Order: 2100612
Time Collected: 10/18/12 00:00
Time Submitted: 10/19/12 18:00

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	0.070	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 14:30	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Morrisville)
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 2100612-11
Prism Work Order: 2100612
Time Collected: 10/18/12 00:00
Time Submitted: 10/19/12 18:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 14:30	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 14:30	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*70-130*
Dibromofluoromethane	*97 %*	*70-130*
Toluene-d8	*97 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 15:08	VHL	P2J0595

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0576 - SM6200 B										
Blank (P2J0576-BLK1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-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 Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0576 - SM6200 B										
Blank (P2J0576-BLK1)				Prepared & Analyzed: 10/23/12						
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	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.00*		*104*	*70-130*			
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	21.5	0.50	ug/L	20.00		107	70-130			
1,1,1-Trichloroethane	20.2	0.50	ug/L	20.00		101	70-130			
1,1,2,2-Tetrachloroethane	23.1	0.50	ug/L	20.00		116	70-130			
1,1,2-Trichloroethane	19.9	0.50	ug/L	20.00		100	70-130			
1,1-Dichloroethane	18.9	0.50	ug/L	20.00		94	70-130			
1,1-Dichloroethylene	18.4	0.50	ug/L	20.00		92	70-130			
1,1-Dichloropropylene	17.8	0.50	ug/L	20.00		89	70-130			
1,2,3-Trichlorobenzene	21.1	0.50	ug/L	20.00		106	70-130			
1,2,3-Trichloropropane	23.4	0.50	ug/L	20.00		117	70-130			
1,2,4-Trichlorobenzene	20.6	0.50	ug/L	20.00		103	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/L	20.00		113	70-130			
1,2-Dibromo-3-chloropropane	23.1	2.0	ug/L	20.00		115	70-130			
1,2-Dibromoethane	21.9	0.50	ug/L	20.00		110	70-130			
1,2-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	70-130			
1,2-Dichloroethane	19.6	0.50	ug/L	20.00		98	70-130			
1,2-Dichloropropane	19.6	0.50	ug/L	20.00		98	70-130			
1,3,5-Trimethylbenzene	22.7	0.50	ug/L	20.00		113	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	70-130			
1,3-Dichloropropane	21.3	0.50	ug/L	20.00		106	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/L	20.00		109	70-130			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0576 - SM6200 B										
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
2,2-Dichloropropane	21.3	2.0	ug/L	20.00		107	70-130			
2-Chlorotoluene	22.3	0.50	ug/L	20.00		112	70-130			
4-Chlorotoluene	22.0	0.50	ug/L	20.00		110	70-130			
4-Isopropyltoluene	21.8	0.50	ug/L	20.00		109	70-130			
Acetone	60.0	10	ug/L	40.00		150	40-160			
Benzene	20.1	0.50	ug/L	20.00		100	70-130			
Bromobenzene	21.9	0.50	ug/L	20.00		110	70-130			
Bromochloromethane	19.7	0.50	ug/L	20.00		99	70-130			
Bromodichloromethane	19.5	0.50	ug/L	20.00		97	70-130			
Bromoform	19.7	0.50	ug/L	20.00		99	70-130			
Bromomethane	16.4	1.0	ug/L	20.00		82	60-140			
Carbon Tetrachloride	17.4	0.50	ug/L	20.00		87	70-130			
Chlorobenzene	21.1	0.50	ug/L	20.00		105	70-130			
Chloroethane	20.8	0.50	ug/L	20.00		104	60-140			
Chloroform	19.4	0.50	ug/L	20.00		97	70-130			
Chloromethane	14.6	0.50	ug/L	20.00		73	60-140			
cis-1,2-Dichloroethylene	20.6	0.50	ug/L	20.00		103	70-130			
cis-1,3-Dichloropropylene	21.3	0.50	ug/L	20.00		106	70-130			
Dibromochloromethane	21.9	0.50	ug/L	20.00		110	70-130			
Dibromomethane	19.3	0.50	ug/L	20.00		96	70-130			
Dichlorodifluoromethane	12.8	1.0	ug/L	20.00		64	60-140			
Ethanol	223	200	ug/L	200.0		111	60-140			
Ethylbenzene	21.4	0.50	ug/L	20.00		107	70-130			
Hexachlorobutadiene	20.9	2.0	ug/L	20.00		105	70-130			
Isopropyl Ether	16.9	0.50	ug/L	20.00		85	70-130			
Isopropylbenzene (Cumene)	21.0	0.50	ug/L	20.00		105	70-130			
m,p-Xylenes	45.2	1.0	ug/L	40.00		113	70-130			
Methyl Butyl Ketone (2-Hexanone)	24.8	1.0	ug/L	20.00		124	60-140			
Methyl Ethyl Ketone (2-Butanone)	22.5	5.0	ug/L	20.00		113	60-140			
Methyl Isobutyl Ketone	21.0	1.0	ug/L	20.00		105	60-140			
Methylene Chloride	18.7	2.0	ug/L	20.00		94	70-130			
Methyl-tert-Butyl Ether	18.9	1.0	ug/L	20.00		94	70-130			
Naphthalene	22.5	1.0	ug/L	20.00		112	70-130			
n-Butylbenzene	22.9	0.50	ug/L	20.00		114	70-130			
n-Propylbenzene	22.7	0.50	ug/L	20.00		113	70-130			
o-Xylene	21.6	0.50	ug/L	20.00		108	70-130			
sec-Butylbenzene	22.1	0.50	ug/L	20.00		110	70-130			
Styrene	21.8	0.50	ug/L	20.00		109	70-130			
tert-Butylbenzene	22.3	0.50	ug/L	20.00		112	70-130			
Tetrachloroethylene	21.1	0.50	ug/L	20.00		105	70-130			
Toluene	19.7	0.50	ug/L	20.00		98	70-130			
trans-1,2-Dichloroethylene	20.3	0.50	ug/L	20.00		102	70-130			
trans-1,3-Dichloropropylene	20.8	0.50	ug/L	20.00		104	70-130			
Trichloroethylene	20.1	0.50	ug/L	20.00		101	70-130			
Trichlorofluoromethane	18.2	0.50	ug/L	20.00		91	60-140			
Vinyl acetate	21.9	5.0	ug/L	20.00		110	60-140			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0576 - SM6200 B										
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
Vinyl chloride	18.9	0.50	ug/L	20.00		94	60-140			
Xylenes, total	66.8	1.5	ug/L	60.00		111	70-130			
Surrogate: 4-Bromofluorobenzene	*56.5*		*ug/L*	*50.00*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50.00*		*103*	*70-130*			
LCS Dup (P2J0576-BSD1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	23.6	0.50	ug/L	20.00		118	70-130	9	200	
1,1,1-Trichloroethane	22.5	0.50	ug/L	20.00		113	70-130	11	200	
1,1,2,2-Tetrachloroethane	24.5	0.50	ug/L	20.00		122	70-130	6	200	
1,1,2-Trichloroethane	21.5	0.50	ug/L	20.00		107	70-130	8	200	
1,1-Dichloroethane	21.2	0.50	ug/L	20.00		106	70-130	11	200	
1,1-Dichloroethylene	20.9	0.50	ug/L	20.00		104	70-130	13	200	
1,1-Dichloropropylene	19.8	0.50	ug/L	20.00		99	70-130	10	200	
1,2,3-Trichlorobenzene	23.8	0.50	ug/L	20.00		119	70-130	12	200	
1,2,3-Trichloropropane	24.6	0.50	ug/L	20.00		123	70-130	5	200	
1,2,4-Trichlorobenzene	22.6	0.50	ug/L	20.00		113	70-130	9	200	
1,2,4-Trimethylbenzene	24.4	0.50	ug/L	20.00		122	70-130	8	200	
1,2-Dibromo-3-chloropropane	24.7	2.0	ug/L	20.00		123	70-130	7	200	
1,2-Dibromoethane	23.8	0.50	ug/L	20.00		119	70-130	8	200	
1,2-Dichlorobenzene	23.7	0.50	ug/L	20.00		118	70-130	6	200	
1,2-Dichloroethane	21.3	0.50	ug/L	20.00		106	70-130	8	200	
1,2-Dichloropropane	21.5	0.50	ug/L	20.00		107	70-130	9	200	
1,3,5-Trimethylbenzene	24.6	0.50	ug/L	20.00		123	70-130	8	200	
1,3-Dichlorobenzene	23.9	0.50	ug/L	20.00		120	70-130	7	200	
1,3-Dichloropropane	23.1	0.50	ug/L	20.00		116	70-130	8	200	
1,4-Dichlorobenzene	23.2	0.50	ug/L	20.00		116	70-130	6	200	
2,2-Dichloropropane	23.6	2.0	ug/L	20.00		118	70-130	10	200	
2-Chlorotoluene	24.1	0.50	ug/L	20.00		120	70-130	8	200	
4-Chlorotoluene	23.5	0.50	ug/L	20.00		117	70-130	6	200	
4-Isopropyltoluene	23.6	0.50	ug/L	20.00		118	70-130	8	200	
Acetone	64.0	10	ug/L	40.00		160	40-160	6	200	
Benzene	22.0	0.50	ug/L	20.00		110	70-130	9	200	
Bromobenzene	23.7	0.50	ug/L	20.00		119	70-130	8	200	
Bromochloromethane	21.8	0.50	ug/L	20.00		109	70-130	10	200	
Bromodichloromethane	21.1	0.50	ug/L	20.00		106	70-130	8	200	
Bromoform	21.4	0.50	ug/L	20.00		107	70-130	8	200	
Bromomethane	19.2	1.0	ug/L	20.00		96	60-140	15	200	
Carbon Tetrachloride	19.2	0.50	ug/L	20.00		96	70-130	10	200	
Chlorobenzene	23.3	0.50	ug/L	20.00		117	70-130	10	200	
Chloroethane	23.3	0.50	ug/L	20.00		116	60-140	11	200	
Chloroform	21.7	0.50	ug/L	20.00		109	70-130	12	200	
Chloromethane	16.6	0.50	ug/L	20.00		83	60-140	13	200	
cis-1,2-Dichloroethylene	22.6	0.50	ug/L	20.00		113	70-130	9	200	
cis-1,3-Dichloropropylene	23.3	0.50	ug/L	20.00		117	70-130	9	200	
Dibromochloromethane	24.0	0.50	ug/L	20.00		120	70-130	9	200	
Dibromomethane	20.5	0.50	ug/L	20.00		102	70-130	6	200	

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0576 - SM6200 B										
LCS Dup (P2J0576-BSD1)				Prepared & Analyzed: 10/23/12						
Dichlorodifluoromethane	14.4	1.0	ug/L	20.00		72	60-140	12	200	
Ethanol	244	200	ug/L	200.0		122	60-140	9	200	
Ethylbenzene	23.8	0.50	ug/L	20.00		119	70-130	11	200	
Hexachlorobutadiene	23.9	2.0	ug/L	20.00		119	70-130	13	200	
Isopropyl Ether	18.6	0.50	ug/L	20.00		93	70-130	9	200	
Isopropylbenzene (Cumene)	24.5	0.50	ug/L	20.00		122	70-130	15	200	
m,p-Xylenes	50.1	1.0	ug/L	40.00		125	70-130	10	200	
Methyl Butyl Ketone (2-Hexanone)	25.7	1.0	ug/L	20.00		128	60-140	4	200	
Methyl Ethyl Ketone (2-Butanone)	22.8	5.0	ug/L	20.00		114	60-140	1	200	
Methyl Isobutyl Ketone	21.9	1.0	ug/L	20.00		109	60-140	4	200	
Methylene Chloride	20.8	2.0	ug/L	20.00		104	70-130	10	200	
Methyl-tert-Butyl Ether	20.5	1.0	ug/L	20.00		103	70-130	8	200	
Naphthalene	24.0	1.0	ug/L	20.00		120	70-130	7	200	
n-Butylbenzene	24.8	0.50	ug/L	20.00		124	70-130	8	200	
n-Propylbenzene	24.7	0.50	ug/L	20.00		124	70-130	9	200	
o-Xylene	23.9	0.50	ug/L	20.00		120	70-130	10	200	
sec-Butylbenzene	24.3	0.50	ug/L	20.00		122	70-130	10	200	
Styrene	24.1	0.50	ug/L	20.00		120	70-130	10	200	
tert-Butylbenzene	24.4	0.50	ug/L	20.00		122	70-130	9	200	
Tetrachloroethylene	23.6	0.50	ug/L	20.00		118	70-130	11	200	
Toluene	21.8	0.50	ug/L	20.00		109	70-130	10	200	
trans-1,2-Dichloroethylene	22.6	0.50	ug/L	20.00		113	70-130	10	200	
trans-1,3-Dichloropropylene	22.9	0.50	ug/L	20.00		114	70-130	9	200	
Trichloroethylene	22.5	0.50	ug/L	20.00		113	70-130	11	200	
Trichlorofluoromethane	20.3	0.50	ug/L	20.00		101	60-140	11	200	
Vinyl acetate	22.9	5.0	ug/L	20.00		114	60-140	4	200	
Vinyl chloride	22.0	0.50	ug/L	20.00		110	60-140	15	200	
Xylenes, total	74.0	1.5	ug/L	60.00		123	70-130	10	200	
Surrogate: 4-Bromofluorobenzene	*55.9*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*52.3*		*ug/L*	*50.00*		*105*	*70-130*			

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Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Blank (P2J0583-BLK1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-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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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Blank (P2J0583-BLK1)				Prepared & Analyzed: 10/23/12						
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	*26.7*		*ug/L*	*25.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*70-130*			
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20.00		110	70-130			
1,1,1-Trichloroethane	21.4	0.50	ug/L	20.00		107	70-130			
1,1,2,2-Tetrachloroethane	21.1	0.50	ug/L	20.00		106	70-130			
1,1,2-Trichloroethane	19.8	0.50	ug/L	20.00		99	70-130			
1,1-Dichloroethane	19.5	0.50	ug/L	20.00		98	70-130			
1,1-Dichloroethylene	21.6	0.50	ug/L	20.00		108	70-130			
1,1-Dichloropropylene	19.8	0.50	ug/L	20.00		99	70-130			
1,2,3-Trichlorobenzene	19.8	0.50	ug/L	20.00		99	70-130			
1,2,3-Trichloropropane	21.0	0.50	ug/L	20.00		105	70-130			
1,2,4-Trichlorobenzene	18.2	0.50	ug/L	20.00		91	70-130			
1,2,4-Trimethylbenzene	20.7	0.50	ug/L	20.00		104	70-130			
1,2-Dibromo-3-chloropropane	22.0	2.0	ug/L	20.00		110	70-130			
1,2-Dibromoethane	21.8	0.50	ug/L	20.00		109	70-130			
1,2-Dichlorobenzene	20.1	0.50	ug/L	20.00		101	70-130			
1,2-Dichloroethane	21.0	0.50	ug/L	20.00		105	70-130			
1,2-Dichloropropane	19.2	0.50	ug/L	20.00		96	70-130			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20.00		104	70-130			
1,3-Dichlorobenzene	20.5	0.50	ug/L	20.00		103	70-130			
1,3-Dichloropropane	20.6	0.50	ug/L	20.00		103	70-130			
1,4-Dichlorobenzene	19.8	0.50	ug/L	20.00		99	70-130			

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Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
2,2-Dichloropropane	23.0	2.0	ug/L	20.00		115	70-130			
2-Chlorotoluene	20.4	0.50	ug/L	20.00		102	70-130			
4-Chlorotoluene	20.4	0.50	ug/L	20.00		102	70-130			
4-Isopropyltoluene	20.3	0.50	ug/L	20.00		102	70-130			
Acetone	57.7	10	ug/L	40.00		144	40-160			
Benzene	20.1	0.50	ug/L	20.00		101	70-130			
Bromobenzene	20.1	0.50	ug/L	20.00		101	70-130			
Bromochloromethane	20.9	0.50	ug/L	20.00		105	70-130			
Bromodichloromethane	21.5	0.50	ug/L	20.00		107	70-130			
Bromoform	24.3	0.50	ug/L	20.00		121	70-130			
Bromomethane	19.3	1.0	ug/L	20.00		96	60-140			
Carbon Tetrachloride	22.7	0.50	ug/L	20.00		114	70-130			
Chlorobenzene	20.0	0.50	ug/L	20.00		100	70-130			
Chloroethane	19.5	0.50	ug/L	20.00		98	60-140			
Chloroform	20.5	0.50	ug/L	20.00		103	70-130			
Chloromethane	16.6	0.50	ug/L	20.00		83	60-140			
cis-1,2-Dichloroethylene	20.9	0.50	ug/L	20.00		105	70-130			
cis-1,3-Dichloropropylene	23.2	0.50	ug/L	20.00		116	70-130			
Dibromochloromethane	22.9	0.50	ug/L	20.00		115	70-130			
Dibromomethane	19.7	0.50	ug/L	20.00		98	70-130			
Dichlorodifluoromethane	19.3	1.0	ug/L	20.00		97	60-140			
Ethanol	229	200	ug/L	200.0		114	60-140			
Ethylbenzene	21.1	0.50	ug/L	20.00		106	70-130			
Hexachlorobutadiene	18.0	2.0	ug/L	20.00		90	70-130			
Isopropyl Ether	15.2	0.50	ug/L	20.00		76	70-130			
Isopropylbenzene (Cumene)	21.3	0.50	ug/L	20.00		106	70-130			
m,p-Xylenes	43.4	1.0	ug/L	40.00		108	70-130			
Methyl Butyl Ketone (2-Hexanone)	22.8	1.0	ug/L	20.00		114	60-140			
Methyl Ethyl Ketone (2-Butanone)	23.9	5.0	ug/L	20.00		120	60-140			
Methyl Isobutyl Ketone	20.2	1.0	ug/L	20.00		101	60-140			
Methylene Chloride	19.1	2.0	ug/L	20.00		95	70-130			
Methyl-tert-Butyl Ether	15.7	1.0	ug/L	20.00		78	70-130			
Naphthalene	19.2	1.0	ug/L	20.00		96	70-130			
n-Butylbenzene	20.5	0.50	ug/L	20.00		103	70-130			
n-Propylbenzene	21.5	0.50	ug/L	20.00		107	70-130			
o-Xylene	21.5	0.50	ug/L	20.00		107	70-130			
sec-Butylbenzene	21.0	0.50	ug/L	20.00		105	70-130			
Styrene	21.4	0.50	ug/L	20.00		107	70-130			
tert-Butylbenzene	21.4	0.50	ug/L	20.00		107	70-130			
Tetrachloroethylene	19.8	0.50	ug/L	20.00		99	70-130			
Toluene	19.7	0.50	ug/L	20.00		98	70-130			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20.00		105	70-130			
trans-1,3-Dichloropropylene	23.8	0.50	ug/L	20.00		119	70-130			
Trichloroethylene	20.0	0.50	ug/L	20.00		100	70-130			
Trichlorofluoromethane	21.1	0.50	ug/L	20.00		105	60-140			
Vinyl acetate	23.2	5.0	ug/L	20.00		116	60-140			

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Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
Vinyl chloride	21.0	0.50	ug/L	20.00		105	60-140			
Xylenes, total	64.9	1.5	ug/L	60.00		108	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/L*	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*70-130*			
LCS Dup (P2J0583-BSD1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20.00		114	70-130	3	200	
1,1,1-Trichloroethane	22.6	0.50	ug/L	20.00		113	70-130	6	200	
1,1,2,2-Tetrachloroethane	21.7	0.50	ug/L	20.00		109	70-130	3	200	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20.00		104	70-130	5	200	
1,1-Dichloroethane	20.8	0.50	ug/L	20.00		104	70-130	6	200	
1,1-Dichloroethylene	22.9	0.50	ug/L	20.00		114	70-130	6	200	
1,1-Dichloropropylene	20.6	0.50	ug/L	20.00		103	70-130	4	200	
1,2,3-Trichlorobenzene	21.6	0.50	ug/L	20.00		108	70-130	8	200	
1,2,3-Trichloropropane	21.5	0.50	ug/L	20.00		108	70-130	2	200	
1,2,4-Trichlorobenzene	19.4	0.50	ug/L	20.00		97	70-130	6	200	
1,2,4-Trimethylbenzene	22.3	0.50	ug/L	20.00		112	70-130	7	200	
1,2-Dibromo-3-chloropropane	23.0	2.0	ug/L	20.00		115	70-130	4	200	
1,2-Dibromoethane	22.5	0.50	ug/L	20.00		112	70-130	3	200	
1,2-Dichlorobenzene	21.4	0.50	ug/L	20.00		107	70-130	6	200	
1,2-Dichloroethane	21.5	0.50	ug/L	20.00		107	70-130	2	200	
1,2-Dichloropropane	20.1	0.50	ug/L	20.00		101	70-130	5	200	
1,3,5-Trimethylbenzene	22.6	0.50	ug/L	20.00		113	70-130	8	200	
1,3-Dichlorobenzene	22.0	0.50	ug/L	20.00		110	70-130	7	200	
1,3-Dichloropropane	21.4	0.50	ug/L	20.00		107	70-130	3	200	
1,4-Dichlorobenzene	20.9	0.50	ug/L	20.00		105	70-130	6	200	
2,2-Dichloropropane	23.6	2.0	ug/L	20.00		118	70-130	3	200	
2-Chlorotoluene	22.1	0.50	ug/L	20.00		110	70-130	8	200	
4-Chlorotoluene	21.9	0.50	ug/L	20.00		110	70-130	7	200	
4-Isopropyltoluene	21.6	0.50	ug/L	20.00		108	70-130	6	200	
Acetone	60.9	10	ug/L	40.00		152	40-160	5	200	
Benzene	21.3	0.50	ug/L	20.00		107	70-130	6	200	
Bromobenzene	21.0	0.50	ug/L	20.00		105	70-130	4	200	
Bromochloromethane	21.2	0.50	ug/L	20.00		106	70-130	1	200	
Bromodichloromethane	22.0	0.50	ug/L	20.00		110	70-130	2	200	
Bromoform	24.7	0.50	ug/L	20.00		123	70-130	2	200	
Bromomethane	20.9	1.0	ug/L	20.00		104	60-140	8	200	
Carbon Tetrachloride	23.8	0.50	ug/L	20.00		119	70-130	5	200	
Chlorobenzene	21.0	0.50	ug/L	20.00		105	70-130	5	200	
Chloroethane	21.4	0.50	ug/L	20.00		107	60-140	10	200	
Chloroform	21.1	0.50	ug/L	20.00		106	70-130	3	200	
Chloromethane	18.7	0.50	ug/L	20.00		94	60-140	12	200	
cis-1,2-Dichloroethylene	22.2	0.50	ug/L	20.00		111	70-130	6	200	
cis-1,3-Dichloropropylene	24.4	0.50	ug/L	20.00		122	70-130	5	200	
Dibromochloromethane	23.4	0.50	ug/L	20.00		117	70-130	2	200	
Dibromomethane	20.8	0.50	ug/L	20.00		104	70-130	6	200	

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
LCS Dup (P2J0583-BSD1)				Prepared & Analyzed: 10/23/12						
Dichlorodifluoromethane	21.2	1.0	ug/L	20.00		106	60-140	9	200	
Ethanol	239	200	ug/L	200.0		119	60-140	4	200	
Ethylbenzene	22.3	0.50	ug/L	20.00		111	70-130	5	200	
Hexachlorobutadiene	19.6	2.0	ug/L	20.00		98	70-130	8	200	
Isopropyl Ether	16.1	0.50	ug/L	20.00		81	70-130	6	200	
Isopropylbenzene (Cumene)	22.8	0.50	ug/L	20.00		114	70-130	7	200	
m,p-Xylenes	46.1	1.0	ug/L	40.00		115	70-130	6	200	
Methyl Butyl Ketone (2-Hexanone)	24.0	1.0	ug/L	20.00		120	60-140	5	200	
Methyl Ethyl Ketone (2-Butanone)	25.5	5.0	ug/L	20.00		127	60-140	6	200	
Methyl Isobutyl Ketone	21.4	1.0	ug/L	20.00		107	60-140	6	200	
Methylene Chloride	20.1	2.0	ug/L	20.00		100	70-130	5	200	
Methyl-tert-Butyl Ether	16.3	1.0	ug/L	20.00		81	70-130	4	200	
Naphthalene	21.1	1.0	ug/L	20.00		106	70-130	9	200	
n-Butylbenzene	21.9	0.50	ug/L	20.00		110	70-130	7	200	
n-Propylbenzene	22.7	0.50	ug/L	20.00		114	70-130	6	200	
o-Xylene	22.8	0.50	ug/L	20.00		114	70-130	6	200	
sec-Butylbenzene	22.5	0.50	ug/L	20.00		113	70-130	7	200	
Styrene	22.9	0.50	ug/L	20.00		114	70-130	6	200	
tert-Butylbenzene	22.9	0.50	ug/L	20.00		115	70-130	7	200	
Tetrachloroethylene	21.3	0.50	ug/L	20.00		106	70-130	7	200	
Toluene	21.0	0.50	ug/L	20.00		105	70-130	6	200	
trans-1,2-Dichloroethylene	22.1	0.50	ug/L	20.00		110	70-130	5	200	
trans-1,3-Dichloropropylene	24.7	0.50	ug/L	20.00		124	70-130	4	200	
Trichloroethylene	21.4	0.50	ug/L	20.00		107	70-130	7	200	
Trichlorofluoromethane	22.3	0.50	ug/L	20.00		111	60-140	6	200	
Vinyl acetate	21.1	5.0	ug/L	20.00		106	60-140	9	200	
Vinyl chloride	22.8	0.50	ug/L	20.00		114	60-140	9	200	
Xylenes, total	68.9	1.5	ug/L	60.00		115	70-130	6	200	
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/L*	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.0*		*ug/L*	*25.00*		*100*	*70-130*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Matrix Spike (P2J0583-MS1)		**Source: 2100612-08**		Prepared: 10/23/12	Analyzed: 10/24/12					
1,1,1,2-Tetrachloroethane	222	5.0	ug/L	200.0	BRL	111	70-130			
1,1,1-Trichloroethane	219	5.0	ug/L	200.0	2.29	108	70-130			
1,1,2,2-Tetrachloroethane	209	5.0	ug/L	200.0	BRL	105	70-130			
1,1,2-Trichloroethane	205	5.0	ug/L	200.0	BRL	102	70-130			
1,1-Dichloroethane	205	5.0	ug/L	200.0	1.37	102	70-130			
1,1-Dichloroethylene	220	5.0	ug/L	200.0	0.670	110	70-130			
1,1-Dichloropropylene	200	5.0	ug/L	200.0	BRL	100	70-130			
1,2,3-Trichlorobenzene	179	5.0	ug/L	200.0	BRL	90	70-130			
1,2,3-Trichloropropane	206	5.0	ug/L	200.0	BRL	103	70-130			
1,2,4-Trichlorobenzene	160	5.0	ug/L	200.0	BRL	80	70-130			
1,2,4-Trimethylbenzene	209	5.0	ug/L	200.0	BRL	105	70-130			
1,2-Dibromo-3-chloropropane	200	20	ug/L	200.0	BRL	100	70-130			
1,2-Dibromoethane	215	5.0	ug/L	200.0	BRL	108	70-130			
1,2-Dichlorobenzene	204	5.0	ug/L	200.0	BRL	102	70-130			
1,2-Dichloroethane	212	5.0	ug/L	200.0	BRL	106	70-130			
1,2-Dichloropropane	199	5.0	ug/L	200.0	BRL	100	70-130			
1,3,5-Trimethylbenzene	212	5.0	ug/L	200.0	BRL	106	70-130			
1,3-Dichlorobenzene	205	5.0	ug/L	200.0	BRL	103	70-130			
1,3-Dichloropropane	206	5.0	ug/L	200.0	BRL	103	70-130			
1,4-Dichlorobenzene	196	5.0	ug/L	200.0	BRL	98	70-130			
2,2-Dichloropropane	151	20	ug/L	200.0	BRL	76	70-130			
2-Chlorotoluene	209	5.0	ug/L	200.0	BRL	104	70-130			
4-Chlorotoluene	208	5.0	ug/L	200.0	BRL	104	70-130			
4-Isopropyltoluene	196	5.0	ug/L	200.0	BRL	98	70-130			
Acetone	418	100	ug/L	400.0	BRL	105	40-160			
Benzene	208	5.0	ug/L	200.0	BRL	104	70-130			
Bromobenzene	200	5.0	ug/L	200.0	BRL	100	70-130			
Bromochloromethane	219	5.0	ug/L	200.0	BRL	109	70-130			
Bromodichloromethane	217	5.0	ug/L	200.0	BRL	108	70-130			
Bromoform	235	5.0	ug/L	200.0	BRL	117	70-130			
Bromomethane	188	10	ug/L	200.0	BRL	94	60-140			
Carbon Tetrachloride	223	5.0	ug/L	200.0	BRL	112	70-130			
Chlorobenzene	209	5.0	ug/L	200.0	BRL	104	70-130			
Chloroethane	201	5.0	ug/L	200.0	BRL	100	60-140			
Chloroform	213	5.0	ug/L	200.0	BRL	106	70-130			
Chloromethane	162	5.0	ug/L	200.0	BRL	81	60-140			
cis-1,2-Dichloroethylene	214	5.0	ug/L	200.0	BRL	107	70-130			
cis-1,3-Dichloropropylene	204	5.0	ug/L	200.0	BRL	102	70-130			
Dibromochloromethane	226	5.0	ug/L	200.0	BRL	113	70-130			
Dibromomethane	203	5.0	ug/L	200.0	BRL	102	70-130			
Dichlorodifluoromethane	192	10	ug/L	200.0	BRL	96	60-140			
Ethanol	2060	2000	ug/L	2000	BRL	103	60-140			
Ethylbenzene	216	5.0	ug/L	200.0	BRL	108	70-130			
Hexachlorobutadiene	163	20	ug/L	200.0	BRL	81	70-130			
Isopropyl Ether	151	5.0	ug/L	200.0	BRL	75	70-130			
Isopropylbenzene (Cumene)	213	5.0	ug/L	200.0	BRL	107	70-130			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Matrix Spike (P2J0583-MS1)		**Source: 2100612-08**		Prepared: 10/23/12	Analyzed: 10/24/12					
m,p-Xylenes	449	10	ug/L	400.0	BRL	112	70-130			
Methyl Butyl Ketone (2-Hexanone)	192	10	ug/L	200.0	BRL	96	60-140			
Methyl Ethyl Ketone (2-Butanone)	223	50	ug/L	200.0	BRL	112	60-140			
Methyl Isobutyl Ketone	196	10	ug/L	200.0	BRL	98	60-140			
Methylene Chloride	200	20	ug/L	200.0	BRL	100	70-130			
Methyl-tert-Butyl Ether	143	10	ug/L	200.0	BRL	71	70-130			
Naphthalene	172	10	ug/L	200.0	BRL	86	70-130			
n-Butylbenzene	188	5.0	ug/L	200.0	BRL	94	70-130			
n-Propylbenzene	213	5.0	ug/L	200.0	BRL	106	70-130			
o-Xylene	220	5.0	ug/L	200.0	BRL	110	70-130			
sec-Butylbenzene	204	5.0	ug/L	200.0	BRL	102	70-130			
Styrene	220	5.0	ug/L	200.0	BRL	110	70-130			
tert-Butylbenzene	210	5.0	ug/L	200.0	BRL	105	70-130			
Tetrachloroethylene	203	5.0	ug/L	200.0	1.85	101	70-130			
Toluene	206	5.0	ug/L	200.0	BRL	103	70-130			
trans-1,2-Dichloroethylene	217	5.0	ug/L	200.0	BRL	108	70-130			
trans-1,3-Dichloropropylene	213	5.0	ug/L	200.0	BRL	106	70-130			
Trichloroethylene	204	5.0	ug/L	200.0	BRL	102	70-130			
Trichlorofluoromethane	210	5.0	ug/L	200.0	0.640	105	60-140			
Vinyl acetate	226	50	ug/L	200.0	BRL	113	60-140			
Vinyl chloride	201	5.0	ug/L	200.0	BRL	100	60-140			
Xylenes, total	669	15	ug/L	600.0	BRL	112	70-130			
Surrogate: 4-Bromofluorobenzene	*242*		*ug/L*	*250.0*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*250*		*ug/L*	*250.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*248*		*ug/L*	*250.0*		*99*	*70-130*			
Matrix Spike Dup (P2J0583-MSD1)		**Source: 2100612-08**		Prepared: 10/23/12	Analyzed: 10/24/12					
1,1,1,2-Tetrachloroethane	216	5.0	ug/L	200.0	BRL	108	70-130	3	20	
1,1,1-Trichloroethane	206	5.0	ug/L	200.0	2.29	102	70-130	6	20	
1,1,2,2-Tetrachloroethane	212	5.0	ug/L	200.0	BRL	106	70-130	1	20	
1,1,2-Trichloroethane	205	5.0	ug/L	200.0	BRL	102	70-130	0.1	20	
1,1-Dichloroethane	194	5.0	ug/L	200.0	1.37	96	70-130	5	20	
1,1-Dichloroethylene	210	5.0	ug/L	200.0	0.670	105	70-130	5	20	
1,1-Dichloropropylene	187	5.0	ug/L	200.0	BRL	94	70-130	7	20	
1,2,3-Trichlorobenzene	184	5.0	ug/L	200.0	BRL	92	70-130	3	20	
1,2,3-Trichloropropane	209	5.0	ug/L	200.0	BRL	105	70-130	1	20	
1,2,4-Trichlorobenzene	162	5.0	ug/L	200.0	BRL	81	70-130	1	20	
1,2,4-Trimethylbenzene	200	5.0	ug/L	200.0	BRL	100	70-130	5	20	
1,2-Dibromo-3-chloropropane	222	20	ug/L	200.0	BRL	111	70-130	11	20	
1,2-Dibromoethane	216	5.0	ug/L	200.0	BRL	108	70-130	0.2	20	
1,2-Dichlorobenzene	199	5.0	ug/L	200.0	BRL	100	70-130	2	20	
1,2-Dichloroethane	211	5.0	ug/L	200.0	BRL	105	70-130	0.6	20	
1,2-Dichloropropane	195	5.0	ug/L	200.0	BRL	98	70-130	2	20	
1,3,5-Trimethylbenzene	202	5.0	ug/L	200.0	BRL	101	70-130	5	20	
1,3-Dichlorobenzene	200	5.0	ug/L	200.0	BRL	100	70-130	3	20	
1,3-Dichloropropane	208	5.0	ug/L	200.0	BRL	104	70-130	0.8	20	
1,4-Dichlorobenzene	191	5.0	ug/L	200.0	BRL	95	70-130	3	20	

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Matrix Spike Dup (P2J0583-MSD1)		**Source: 2100612-08**		Prepared: 10/23/12	Analyzed: 10/24/12					
2,2-Dichloropropane	140	20	ug/L	200.0	BRL	70	70-130	8	20	
2-Chlorotoluene	202	5.0	ug/L	200.0	BRL	101	70-130	3	20	
4-Chlorotoluene	200	5.0	ug/L	200.0	BRL	100	70-130	4	20	
4-Isopropyltoluene	187	5.0	ug/L	200.0	BRL	94	70-130	4	20	
Acetone	433	100	ug/L	400.0	BRL	108	40-160	4	20	
Benzene	202	5.0	ug/L	200.0	BRL	101	70-130	3	20	
Bromobenzene	198	5.0	ug/L	200.0	BRL	99	70-130	1	20	
Bromochloromethane	212	5.0	ug/L	200.0	BRL	106	70-130	3	20	
Bromodichloromethane	212	5.0	ug/L	200.0	BRL	106	70-130	2	20	
Bromoform	227	5.0	ug/L	200.0	BRL	113	70-130	3	20	
Bromomethane	206	10	ug/L	200.0	BRL	103	60-140	9	20	
Carbon Tetrachloride	213	5.0	ug/L	200.0	BRL	106	70-130	5	20	
Chlorobenzene	200	5.0	ug/L	200.0	BRL	100	70-130	5	20	
Chloroethane	200	5.0	ug/L	200.0	BRL	100	60-140	0.4	20	
Chloroform	205	5.0	ug/L	200.0	BRL	103	70-130	4	20	
Chloromethane	167	5.0	ug/L	200.0	BRL	83	60-140	3	20	
cis-1,2-Dichloroethylene	209	5.0	ug/L	200.0	BRL	104	70-130	2	20	
cis-1,3-Dichloropropylene	203	5.0	ug/L	200.0	BRL	101	70-130	0.8	20	
Dibromochloromethane	222	5.0	ug/L	200.0	BRL	111	70-130	2	20	
Dibromomethane	203	5.0	ug/L	200.0	BRL	101	70-130	0.1	20	
Dichlorodifluoromethane	184	10	ug/L	200.0	BRL	92	60-140	4	20	
Ethanol	2320	2000	ug/L	2000	BRL	116	60-140	12	20	
Ethylbenzene	205	5.0	ug/L	200.0	BRL	103	70-130	5	20	
Hexachlorobutadiene	160	20	ug/L	200.0	BRL	80	70-130	2	20	
Isopropyl Ether	149	5.0	ug/L	200.0	BRL	74	70-130	1	20	
Isopropylbenzene (Cumene)	204	5.0	ug/L	200.0	BRL	102	70-130	5	20	
m,p-Xylenes	427	10	ug/L	400.0	BRL	107	70-130	5	20	
Methyl Butyl Ketone (2-Hexanone)	207	10	ug/L	200.0	BRL	103	60-140	7	20	
Methyl Ethyl Ketone (2-Butanone)	222	50	ug/L	200.0	BRL	111	60-140	0.4	20	
Methyl Isobutyl Ketone	205	10	ug/L	200.0	BRL	103	60-140	5	20	
Methylene Chloride	195	20	ug/L	200.0	BRL	98	70-130	2	20	
Methyl-tert-Butyl Ether	141	10	ug/L	200.0	BRL	70	70-130	2	20	
Naphthalene	188	10	ug/L	200.0	BRL	94	70-130	9	20	
n-Butylbenzene	178	5.0	ug/L	200.0	BRL	89	70-130	5	21	
n-Propylbenzene	204	5.0	ug/L	200.0	BRL	102	70-130	4	18	
o-Xylene	214	5.0	ug/L	200.0	BRL	107	70-130	3	20	
sec-Butylbenzene	193	5.0	ug/L	200.0	BRL	96	70-130	5	20	
Styrene	210	5.0	ug/L	200.0	BRL	105	70-130	4	20	
tert-Butylbenzene	202	5.0	ug/L	200.0	BRL	101	70-130	4	20	
Tetrachloroethylene	188	5.0	ug/L	200.0	1.85	93	70-130	7	20	
Toluene	199	5.0	ug/L	200.0	BRL	99	70-130	3	20	
trans-1,2-Dichloroethylene	206	5.0	ug/L	200.0	BRL	103	70-130	5	20	
trans-1,3-Dichloropropylene	218	5.0	ug/L	200.0	BRL	109	70-130	2	20	
Trichloroethylene	196	5.0	ug/L	200.0	BRL	98	70-130	4	20	
Trichlorofluoromethane	200	5.0	ug/L	200.0	0.640	100	60-140	5	20	
Vinyl acetate	232	50	ug/L	200.0	BRL	116	60-140	3	20	

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Matrix Spike Dup (P2J0583-MSD1)		**Source: 2100612-08**		Prepared: 10/23/12	Analyzed: 10/24/12					
Vinyl chloride	208	5.0	ug/L	200.0	BRL	104	60-140	3	20	
Xylenes, total	640	15	ug/L	600.0	BRL	107	70-130	4	20	
Surrogate: 4-Bromofluorobenzene	*243*		*ug/L*	*250.0*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*253*		*ug/L*	*250.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*247*		*ug/L*	*250.0*		*99*	*70-130*			

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AMEC Env. & Infrastructure Inc (Morrisville) Project: Alcatel - Raleigh - Groundwater
Attn: Bonani Langan
Suite 205, 2200 Gateway Centre Blvd.
Morrisville, NC 27560

Prism Work Order: 2100612
Time Submitted: 10/19/2012 6:00:00PM

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 P2J0595 - 5030B										
Blank (P2J0595-BLK1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P2J0595-BS1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	22.6	3.0	ug/L	20.00		113	55-145			
LCS Dup (P2J0595-BSD1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	20.7	3.0	ug/L	20.00		104	55-145	9	30	
Matrix Spike (P2J0595-MS1)		**Source: 2100612-06**		Prepared: 10/24/12 Analyzed: 10/25/12						
1,4-Dioxane	244	30	ug/L	200.0	BRL	122	55-145			
Matrix Spike Dup (P2J0595-MSD1)		**Source: 2100612-06**		Prepared: 10/24/12 Analyzed: 10/25/12						
1,4-Dioxane	177	30	ug/L	200.0	BRL	89	55-145	32	30	D
Batch P2J0638 - 5030B										
Blank (P2J0638-BLK1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P2J0638-BS1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	20.0	3.0	ug/L	20.00		100	55-145			
LCS Dup (P2J0638-BSD1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	21.3	3.0	ug/L	20.00		106	55-145	6	30	

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Sample Extraction Data

Prep Method: SM6200 B

Lab Number	Batch	Initial	Final	Date/Time
2100612-01	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-02	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-03	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-04	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-05	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-05	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-06	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-07	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-07	P2J0576	10 mL	10 mL	10/23/12 8:24
2100612-08	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-09	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-10	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-10	P2J0583	10 mL	10 mL	10/23/12 9:16
2100612-11	P2J0583	10 mL	10 mL	10/23/12 9:16

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
2100612-01	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-02	P2J0595	10 mL	10 mL	10/24/12 11:04
2100612-03	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-04	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-05	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-06	P2J0595	10 mL	10 mL	10/24/12 11:04
2100612-07	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-08	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-09	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-10	P2J0638	10 mL	10 mL	10/25/12 9:07
2100612-11	P2J0595	10 mL	10 mL	10/24/12 11:04

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CHAIN OF CUSTODY RECORD

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PAGE 1 OF ___ QUOTE # TO ENSURE PROPER BILLING: ___

Project Name: ALCATEL

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: BONANI LANGAN

Address: SAME

Client Company Name: ALTEL

Report To/Contact Name: BONANI LANGAN

Reporting Address: 4021 SHRIMP CREEK DR #100

Phone: 919-381-9900 Fax (Yes) (No): ___

Email (Yes) (No) Email Address ___

EDD Type: PDF ___ Excel ___ Other ___

Site Location Name: ALCATEL

Site Location Physical Address: Raleigh, NC

Purchase Order No./Billing Reference ___

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 2.4	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ FL ___ NC ✓ 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	6200	8260 SIM 1,4-DIOXANE					REMARKS	PRISM LAB ID NO.
MW-19i	10/18/12	1645	WATER	VOA	6	40 ml	HCL	X	X						01
DUP01	10/18/12	1645	WATER	"	"	"	"	X	X						02
MW-23S	10/18/12	1531	WATER	"	"	"	"	X	X						03
MW-24D	10/18/12	1442	WATER	"	"	"	"	X	X						04
MW-24S	10/18/12	1405	WATER	"	"	"	"	X	X						05
MW-3D	10/18/12	1440	WATER	"	"	"	"	X	X						06
MW-22S	10/18/12	1340	WATER	"	"	"	"	X	X						07
MW-12S	10/18/12	1655	WATER	"	"	"	"	X	X						08
MW-4S	10/18/12	1600	WATER	"	"	"	"	X	X						09
MW-4D	10/18/12	1520	WATER	"	"	"	"	X	X						10
								X	X						

Per Bonani Langan neg/PRISM

PRESS DOWN FIRMLY - 3 COPIES

TB

Sampler's Signature ___ Sampled By (Print Name) MICHAEL MUCCIOLA Affiliation ALTEL

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)	10/19/12	1100
Relinquished By: (Signature) 10/19/12 1800	Received By: (Signature)		
Relinquished By: (Signature)	Received For Prism Laboratories By:	10/19/12	1800

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.

COC Group No. 2100612

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other ___

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

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

Additional Comments:

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 1287
DoD ELAP Certification No. L2307

Case Narrative

11/02/2012

AMEC Env. & Infrastructure Inc (Durham)
Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Lab Submittal Date: 10/23/2012
Prism Work Order: 2100622

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

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

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

Respectfully,

PRISM LABORATORIES, INC.

President/Project Manager

Reviewed By

Data Qualifiers Key Reference:

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

11/02/2012

Prism Work Order: 2100622

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
Trip Blank	2100622-01	Water	10/22/12	10/23/12
Equipment Blank	2100622-02	Water	10/22/12	10/23/12
MW-20I	2100622-03	Water	10/22/12	10/23/12
DUP02	2100622-04	Water	10/22/12	10/23/12
MW-21I	2100622-05	Water	10/22/12	10/23/12
MW-18I	2100622-06	Water	10/22/12	10/23/12
MW-2DR	2100622-07	Water	10/22/12	10/23/12
MW-12DK	2100622-08	Water	10/22/12	10/23/12
MW-9DK	2100622-09	Water	10/22/12	10/23/12
MW-9SK	2100622-10	Water	10/22/12	10/23/12
MW-2LK	2100622-11	Water	10/22/12	10/23/12
MW-3SK	2100622-12	Water	10/22/12	10/23/12
MW-5SK	2100622-13	Water	10/22/12	10/23/12
MW-2SK	2100622-14	Water	10/22/12	10/23/12
MW-3DK	2100622-15	Water	10/22/12	10/23/12
DCOMP01	2100622-16	Solid	10/22/12	10/23/12
DCOMP02	2100622-17	Solid	10/22/12	10/23/12
DCOMP03	2100622-18	Solid	10/22/12	10/23/12
DCOMP04	2100622-19	Solid	10/22/12	10/23/12

Samples received in good condition at 3.3 degrees C unless otherwise noted.

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Summary of Detections

11/02/2012

Prism Work Order: 2100622

Prism ID	Client ID	Parameter	Method	Result		Units
2100622-03	MW-20I	1,1,1-Trichloroethane	SM6200 B	42		ug/L
2100622-03	MW-20I	1,1-Dichloroethane	SM6200 B	14		ug/L
2100622-03	MW-20I	1,1-Dichloroethylene	SM6200 B	35		ug/L
2100622-03	MW-20I	Dichlorodifluoromethane	SM6200 B	0.96	J	ug/L
2100622-03	MW-20I	Tetrachloroethylene	SM6200 B	12		ug/L
2100622-03	MW-20I	Trichlorofluoromethane	SM6200 B	7.1		ug/L
2100622-03	MW-20I	1,4-Dioxane	8260B SIM	39		ug/L
2100622-04	DUP02	1,1,1-Trichloroethane	SM6200 B	42		ug/L
2100622-04	DUP02	1,1-Dichloroethane	SM6200 B	14		ug/L
2100622-04	DUP02	1,1-Dichloroethylene	SM6200 B	31		ug/L
2100622-04	DUP02	Dichlorodifluoromethane	SM6200 B	1.6		ug/L
2100622-04	DUP02	Tetrachloroethylene	SM6200 B	13		ug/L
2100622-04	DUP02	Trichlorofluoromethane	SM6200 B	6.8		ug/L
2100622-04	DUP02	1,4-Dioxane	8260B SIM	31		ug/L
2100622-05	MW-21I	1,1,1-Trichloroethane	SM6200 B	99		ug/L
2100622-05	MW-21I	1,1-Dichloroethane	SM6200 B	0.67		ug/L
2100622-05	MW-21I	1,1-Dichloroethylene	SM6200 B	29		ug/L
2100622-05	MW-21I	Tetrachloroethylene	SM6200 B	560		ug/L
2100622-05	MW-21I	Trichlorofluoromethane	SM6200 B	1.9		ug/L
2100622-06	MW-18I	1,1,1-Trichloroethane	SM6200 B	7.3		ug/L
2100622-06	MW-18I	1,1-Dichloroethane	SM6200 B	1.3		ug/L
2100622-06	MW-18I	1,1-Dichloroethylene	SM6200 B	10		ug/L
2100622-06	MW-18I	Tetrachloroethylene	SM6200 B	61		ug/L
2100622-06	MW-18I	Trichlorofluoromethane	SM6200 B	35		ug/L
2100622-06	MW-18I	1,4-Dioxane	8260B SIM	20		ug/L
2100622-07	MW-2DR	1,1,1-Trichloroethane	SM6200 B	1.1		ug/L
2100622-07	MW-2DR	1,1-Dichloroethane	SM6200 B	0.65		ug/L
2100622-07	MW-2DR	1,1-Dichloroethylene	SM6200 B	0.67		ug/L
2100622-07	MW-2DR	Ethanol	SM6200 B	78	J	ug/L
2100622-08	MW-12DK	Toluene	SM6200 B	0.63		ug/L
2100622-09	MW-9DK	1,1,1-Trichloroethane	SM6200 B	3.5		ug/L
2100622-09	MW-9DK	1,1-Dichloroethane	SM6200 B	2.0		ug/L
2100622-09	MW-9DK	1,1-Dichloroethylene	SM6200 B	15		ug/L
2100622-09	MW-9DK	Chloroform	SM6200 B	0.76		ug/L
2100622-09	MW-9DK	Tetrachloroethylene	SM6200 B	14		ug/L
2100622-09	MW-9DK	Trichloroethylene	SM6200 B	7.0		ug/L
2100622-09	MW-9DK	1,4-Dioxane	8260B SIM	17		ug/L
2100622-11	MW-2LK	1,1,1-Trichloroethane	SM6200 B	5.3		ug/L
2100622-11	MW-2LK	1,1-Dichloroethane	SM6200 B	2.7		ug/L
2100622-11	MW-2LK	1,1-Dichloroethylene	SM6200 B	65		ug/L
2100622-11	MW-2LK	Chloroform	SM6200 B	0.99		ug/L
2100622-11	MW-2LK	cis-1,2-Dichloroethylene	SM6200 B	2.7		ug/L
2100622-11	MW-2LK	Tetrachloroethylene	SM6200 B	430		ug/L
2100622-11	MW-2LK	Trichloroethylene	SM6200 B	30		ug/L

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Summary of Detections

11/02/2012

Prism Work Order: 2100622

Prism ID	Client ID	Parameter	Method	Result	Units
2100622-11	MW-2LK	1,4-Dioxane	8260B SIM	98	ug/L
2100622-12	MW-3SK	1,1,1-Trichloroethane	SM6200 B	0.97	ug/L
2100622-12	MW-3SK	Tetrachloroethylene	SM6200 B	6.4	ug/L
2100622-13	MW-5SK	1,1-Dichloroethane	SM6200 B	0.63	ug/L
2100622-13	MW-5SK	1,1-Dichloroethylene	SM6200 B	1.1	ug/L
2100622-13	MW-5SK	cis-1,2-Dichloroethylene	SM6200 B	5.6	ug/L
2100622-13	MW-5SK	Trichloroethylene	SM6200 B	1.0	ug/L
2100622-13	MW-5SK	Vinyl chloride	SM6200 B	0.55	ug/L
2100622-14	MW-2SK	1,1,1-Trichloroethane	SM6200 B	2.8	ug/L
2100622-14	MW-2SK	1,1-Dichloroethane	SM6200 B	4.2	ug/L
2100622-14	MW-2SK	1,1-Dichloroethylene	SM6200 B	19	ug/L
2100622-14	MW-2SK	Chloroform	SM6200 B	0.69	ug/L
2100622-14	MW-2SK	Tetrachloroethylene	SM6200 B	21	ug/L
2100622-14	MW-2SK	Trichloroethylene	SM6200 B	1.4	ug/L
2100622-14	MW-2SK	1,4-Dioxane	8260B SIM	69	ug/L
2100622-15	MW-3DK	1,1,1-Trichloroethane	SM6200 B	53	ug/L
2100622-15	MW-3DK	1,1-Dichloroethane	SM6200 B	6.6	ug/L
2100622-15	MW-3DK	1,1-Dichloroethylene	SM6200 B	27	ug/L
2100622-15	MW-3DK	Tetrachloroethylene	SM6200 B	130	ug/L
2100622-15	MW-3DK	Trichlorofluoromethane	SM6200 B	8.1	ug/L
2100622-15	MW-3DK	1,4-Dioxane	8260B SIM	16	ug/L

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 2100622-01
Prism Work Order: 2100622
Time Collected: 10/22/12 00:00
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 15:02	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 2100622-01
Prism Work Order: 2100622
Time Collected: 10/22/12 00:00
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 15:02	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 15:02	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*98 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 15:41	VHL	P2J0595

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Equipment Blank
Prism Sample ID: 2100622-02
Prism Work Order: 2100622
Time Collected: 10/22/12 16:50
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 15:34	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: Equipment Blank
Prism Sample ID: 2100622-02
Prism Work Order: 2100622
Time Collected: 10/22/12 16:50
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 15:34	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 15:34	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*70-130*
Dibromofluoromethane	*99 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 16:14	VHL	P2J0595

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-20I
Prism Sample ID: 2100622-03
Prism Work Order: 2100622
Time Collected: 10/22/12 08:09
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,1,1-Trichloroethane	**42**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,1-Dichloroethane	**14**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**35**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Dichlorodifluoromethane	**0.96 J**	**ug/L**	**1.0**	**0.057**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 16:06	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-20I
Prism Sample ID: 2100622-03
Prism Work Order: 2100622
Time Collected: 10/22/12 08:09
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Tetrachloroethylene	**12**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Trichlorofluoromethane	**7.1**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 16:06**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 16:06	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 16:06	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*102 %*	*70-130*
Toluene-d8	*101 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**39**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 4:31**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: DUP02
Prism Sample ID: 2100622-04
Prism Work Order: 2100622
Time Collected: 10/22/12 08:09
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,1,1-Trichloroethane	**42**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,1-Dichloroethane	**14**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
1,1-Dichloroethylene	**31**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Dichlorodifluoromethane	**1.6**	**ug/L**	**1.0**	**0.057**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 19:40	VHL	P2J0576

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: DUP02
Prism Sample ID: 2100622-04
Prism Work Order: 2100622
Time Collected: 10/22/12 08:09
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Tetrachloroethylene	**13**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Trichlorofluoromethane	**6.8**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 19:40**	**VHL**	**P2J0576**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:40	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 19:40	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*114 %*	*70-130*
Dibromofluoromethane	*102 %*	*70-130*
Toluene-d8	*105 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**31**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 3:58**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-21I
Prism Sample ID: 2100622-05
Prism Work Order: 2100622
Time Collected: 10/22/12 09:06
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,1,1-Trichloroethane	**99**	**ug/L**	**10**	**1.5**	**20**	**SM6200 B**	**10/24/12 3:14**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,1-Dichloroethane	**0.67**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/24/12 2:42**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**29**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/24/12 2:42**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 2:42	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-21I
Prism Sample ID: 2100622-05
Prism Work Order: 2100622
Time Collected: 10/22/12 09:06
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Tetrachloroethylene	**560**	**ug/L**	**10**	**1.9**	**20**	**SM6200 B**	**10/24/12 3:14**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Trichlorofluoromethane	**1.9**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/24/12 2:42**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 2:42	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 2:42	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*107 %*	*70-130*
Toluene-d8	*98 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 17:22	VHL	P2J0595

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

AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-18I
Prism Sample ID: 2100622-06
Prism Work Order: 2100622
Time Collected: 10/22/12 10:07
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,1,1-Trichloroethane	**7.3**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/24/12 3:46**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,1-Dichloroethane	**1.3**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/24/12 3:46**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**10**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/24/12 3:46**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 3:46	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-18I
Prism Sample ID: 2100622-06
Prism Work Order: 2100622
Time Collected: 10/22/12 10:07
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Tetrachloroethylene	**61**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/24/12 3:46**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Trichlorofluoromethane	**35**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/24/12 3:46**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 3:46	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 3:46	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*102 %*	*70-130*
Toluene-d8	*98 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**20**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 2:21**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2DR
Prism Sample ID: 2100622-07
Prism Work Order: 2100622
Time Collected: 10/22/12 11:38
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,1,1-Trichloroethane	**1.1**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 21:21**	**VHL**	**P2J0576**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,1-Dichloroethane	**0.65**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 21:21**	**VHL**	**P2J0576**
1,1-Dichloroethylene	**0.67**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 21:21**	**VHL**	**P2J0576**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Ethanol	**78 J**	**ug/L**	**200**	**42**	**1**	**SM6200 B**	**10/23/12 21:21**	**VHL**	**P2J0576**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2DR
Prism Sample ID: 2100622-07
Prism Work Order: 2100622
Time Collected: 10/22/12 11:38
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 21:21	VHL	P2J0576
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 21:21	VHL	P2J0576

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*110 %*	*70-130*
Dibromofluoromethane	*99 %*	*70-130*
Toluene-d8	*102 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 20:39	VHL	P2J0595

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-12DK
Prism Sample ID: 2100622-08
Prism Work Order: 2100622
Time Collected: 10/22/12 12:47
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 18:13	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-12DK
Prism Sample ID: 2100622-08
Prism Work Order: 2100622
Time Collected: 10/22/12 12:47
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Toluene	**0.63**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 18:13**	**VHL**	**P2J0583**
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 18:13	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 18:13	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*101 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 17:55	VHL	P2J0595

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-9DK
Prism Sample ID: 2100622-09
Prism Work Order: 2100622
Time Collected: 10/22/12 13:31
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,1,1-Trichloroethane	**3.5**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,1-Dichloroethane	**2.0**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**15**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Chloroform	**0.76**	**ug/L**	**0.50**	**0.053**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 18:45	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-9DK
Prism Sample ID: 2100622-09
Prism Work Order: 2100622
Time Collected: 10/22/12 13:31
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Tetrachloroethylene	**14**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Trichloroethylene	**7.0**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 18:45**	**VHL**	**P2J0583**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 18:45	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 18:45	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*100 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**17**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 1:48**	**VHL**	**P2J0638**

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-9SK
Prism Sample ID: 2100622-10
Prism Work Order: 2100622
Time Collected: 10/22/12 13:30
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 0:35	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-9SK
Prism Sample ID: 2100622-10
Prism Work Order: 2100622
Time Collected: 10/22/12 13:30
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 0:35	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 0:35	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*97 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 21:11	VHL	P2J0595

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2LK
Prism Sample ID: 2100622-11
Prism Work Order: 2100622
Time Collected: 10/22/12 10:40
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,1,1-Trichloroethane	**5.3**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,1-Dichloroethane	**2.7**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**65**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Chloroform	**0.99**	**ug/L**	**0.50**	**0.053**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
cis-1,2-Dichloroethylene	**2.7**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 1:07	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2LK
Prism Sample ID: 2100622-11
Prism Work Order: 2100622
Time Collected: 10/22/12 10:40
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Tetrachloroethylene	**430**	**ug/L**	**10**	**1.9**	**20**	**SM6200 B**	**10/25/12 3:37**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Trichloroethylene	**30**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/24/12 1:07**	**VHL**	**P2J0583**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 1:07	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 1:07	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**98**	**ug/L**	**30**	**13**	**10**	**8260B SIM**	**10/26/12 2:53**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3SK
Prism Sample ID: 2100622-12
Prism Work Order: 2100622
Time Collected: 10/22/12 11:30
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,1,1-Trichloroethane	**0.97**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/24/12 4:49**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/24/12 4:49	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3SK
Prism Sample ID: 2100622-12
Prism Work Order: 2100622
Time Collected: 10/22/12 11:30
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Tetrachloroethylene	**6.4**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/24/12 4:49**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/24/12 4:49	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/24/12 4:49	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*101 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 18:28	VHL	P2J0595

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-5SK
Prism Sample ID: 2100622-13
Prism Work Order: 2100622
Time Collected: 10/22/12 09:15
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,1-Dichloroethane	**0.63**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 19:17**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**1.1**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 19:17**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
cis-1,2-Dichloroethylene	**5.6**	**ug/L**	**0.50**	**0.061**	**1**	**SM6200 B**	**10/23/12 19:17**	**VHL**	**P2J0583**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 19:17	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-5SK
Prism Sample ID: 2100622-13
Prism Work Order: 2100622
Time Collected: 10/22/12 09:15
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Trichloroethylene	**1.0**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 19:17**	**VHL**	**P2J0583**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 19:17	VHL	P2J0583
Vinyl chloride	**0.55**	**ug/L**	**0.50**	**0.068**	**1**	**SM6200 B**	**10/23/12 19:17**	**VHL**	**P2J0583**
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 19:17	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*100 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	1.3	1	8260B SIM	10/24/12 19:00	VHL	P2J0595

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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 Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2SK
Prism Sample ID: 2100622-14
Prism Work Order: 2100622
Time Collected: 10/22/12 10:00
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,1,1-Trichloroethane	**2.8**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,1-Dichloroethane	**4.2**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**19**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Chloroform	**0.69**	**ug/L**	**0.50**	**0.053**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 19:49	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-2SK
Prism Sample ID: 2100622-14
Prism Work Order: 2100622
Time Collected: 10/22/12 10:00
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Tetrachloroethylene	**21**	**ug/L**	**0.50**	**0.096**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Trichloroethylene	**1.4**	**ug/L**	**0.50**	**0.044**	**1**	**SM6200 B**	**10/23/12 19:49**	**VHL**	**P2J0583**
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 19:49	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 19:49	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*100 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**69**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 7:14**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3DK
Prism Sample ID: 2100622-15
Prism Work Order: 2100622
Time Collected: 10/22/12 12:15
Time Submitted: 10/23/12 07:05

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	0.070	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,1,1-Trichloroethane	**53**	**ug/L**	**0.50**	**0.075**	**1**	**SM6200 B**	**10/23/12 20:20**	**VHL**	**P2J0583**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,1-Dichloroethane	**6.6**	**ug/L**	**0.50**	**0.038**	**1**	**SM6200 B**	**10/23/12 20:20**	**VHL**	**P2J0583**
1,1-Dichloroethylene	**27**	**ug/L**	**0.50**	**0.057**	**1**	**SM6200 B**	**10/23/12 20:20**	**VHL**	**P2J0583**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Carbon Tetrachloride	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Ethanol	BRL	ug/L	200	42	1	SM6200 B	10/23/12 20:20	VHL	P2J0583

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Water

Client Sample ID: MW-3DK
Prism Sample ID: 2100622-15
Prism Work Order: 2100622
Time Collected: 10/22/12 12:15
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Tetrachloroethylene	**130**	**ug/L**	**5.0**	**0.96**	**10**	**SM6200 B**	**10/25/12 2:47**	**VHL**	**P2J0583**
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Trichlorofluoromethane	**8.1**	**ug/L**	**0.50**	**0.050**	**1**	**SM6200 B**	**10/23/12 20:20**	**VHL**	**P2J0583**
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	10/23/12 20:20	VHL	P2J0583
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	10/23/12 20:20	VHL	P2J0583

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*103 %*	*70-130*
Toluene-d8	*99 %*	*70-130*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**16**	**ug/L**	**3.0**	**1.3**	**1**	**8260B SIM**	**10/26/12 3:26**	**VHL**	**P2J0638**

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Solid

Client Sample ID: DCOMP01
Prism Sample ID: 2100622-16
Prism Work Order: 2100622
Time Collected: 10/22/12 07:00
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Extraction by EPA 1311									
TCLP Extraction	Complete	N/A			1	*1311 ZHE	10/30/12 10:20	ANG	P2J0679
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.078	1	*8260B	10/31/12 19:57	VHL	P2K0012
1,2-Dichloroethane	BRL	ug/L	25	0.14	1	*8260B	10/31/12 19:57	VHL	P2K0012
1,4-Dichlorobenzene	BRL	ug/L	380	0.068	1	*8260B	10/31/12 19:57	VHL	P2K0012
Benzene	BRL	ug/L	25	0.072	1	*8260B	10/31/12 19:57	VHL	P2K0012
Carbon Tetrachloride	BRL	ug/L	25	0.12	1	*8260B	10/31/12 19:57	VHL	P2K0012
Chlorobenzene	BRL	ug/L	5000	0.061	1	*8260B	10/31/12 19:57	VHL	P2K0012
Chloroform	BRL	ug/L	300	0.089	1	*8260B	10/31/12 19:57	VHL	P2K0012
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	0.90	1	*8260B	10/31/12 19:57	VHL	P2K0012
Tetrachloroethylene	BRL	ug/L	35	0.069	1	*8260B	10/31/12 19:57	VHL	P2K0012
Trichloroethylene	BRL	ug/L	25	0.054	1	*8260B	10/31/12 19:57	VHL	P2K0012
Vinyl chloride	BRL	ug/L	10	0.16	1	*8260B	10/31/12 19:57	VHL	P2K0012

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*101 %*	*77-123*

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Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Solid

Client Sample ID: DCOMP02
Prism Sample ID: 2100622-17
Prism Work Order: 2100622
Time Collected: 10/22/12 07:05
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Extraction by EPA 1311									
TCLP Extraction	Complete	N/A			1	*1311 ZHE	10/30/12 10:20	ANG	P2J0679
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.078	1	*8260B	10/31/12 20:22	VHL	P2K0012
1,2-Dichloroethane	BRL	ug/L	25	0.14	1	*8260B	10/31/12 20:22	VHL	P2K0012
1,4-Dichlorobenzene	BRL	ug/L	380	0.068	1	*8260B	10/31/12 20:22	VHL	P2K0012
Benzene	BRL	ug/L	25	0.072	1	*8260B	10/31/12 20:22	VHL	P2K0012
Carbon Tetrachloride	BRL	ug/L	25	0.12	1	*8260B	10/31/12 20:22	VHL	P2K0012
Chlorobenzene	BRL	ug/L	5000	0.061	1	*8260B	10/31/12 20:22	VHL	P2K0012
Chloroform	BRL	ug/L	300	0.089	1	*8260B	10/31/12 20:22	VHL	P2K0012
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	0.90	1	*8260B	10/31/12 20:22	VHL	P2K0012
Tetrachloroethylene	BRL	ug/L	35	0.069	1	*8260B	10/31/12 20:22	VHL	P2K0012
Trichloroethylene	BRL	ug/L	25	0.054	1	*8260B	10/31/12 20:22	VHL	P2K0012
Vinyl chloride	BRL	ug/L	10	0.16	1	*8260B	10/31/12 20:22	VHL	P2K0012

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

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Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Solid

Client Sample ID: DCOMP03
Prism Sample ID: 2100622-18
Prism Work Order: 2100622
Time Collected: 10/22/12 07:10
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Extraction by EPA 1311									
TCLP Extraction	Complete	N/A			1	*1311 ZHE	10/30/12 10:20	ANG	P2J0679
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.078	1	*8260B	10/31/12 20:47	VHL	P2K0012
1,2-Dichloroethane	BRL	ug/L	25	0.14	1	*8260B	10/31/12 20:47	VHL	P2K0012
1,4-Dichlorobenzene	BRL	ug/L	380	0.068	1	*8260B	10/31/12 20:47	VHL	P2K0012
Benzene	BRL	ug/L	25	0.072	1	*8260B	10/31/12 20:47	VHL	P2K0012
Carbon Tetrachloride	BRL	ug/L	25	0.12	1	*8260B	10/31/12 20:47	VHL	P2K0012
Chlorobenzene	BRL	ug/L	5000	0.061	1	*8260B	10/31/12 20:47	VHL	P2K0012
Chloroform	BRL	ug/L	300	0.089	1	*8260B	10/31/12 20:47	VHL	P2K0012
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	0.90	1	*8260B	10/31/12 20:47	VHL	P2K0012
Tetrachloroethylene	BRL	ug/L	35	0.069	1	*8260B	10/31/12 20:47	VHL	P2K0012
Trichloroethylene	BRL	ug/L	25	0.054	1	*8260B	10/31/12 20:47	VHL	P2K0012
Vinyl chloride	BRL	ug/L	10	0.16	1	*8260B	10/31/12 20:47	VHL	P2K0012

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*102 %*	*77-123*

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Project: Alcatel - Raleigh - Groundwater

Sample Matrix: Solid

Client Sample ID: DCOMP04
Prism Sample ID: 2100622-19
Prism Work Order: 2100622
Time Collected: 10/22/12 07:15
Time Submitted: 10/23/12 07:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
TCLP Extraction by EPA 1311									
TCLP Extraction	Complete	N/A			1	*1311 ZHE	10/31/12 10:30	ANG	P2J0701
TCLP Volatile Organic Compounds by GC/MS									
1,1-Dichloroethylene	BRL	ug/L	35	0.078	1	*8260B	10/31/12 21:13	VHL	P2K0012
1,2-Dichloroethane	BRL	ug/L	25	0.14	1	*8260B	10/31/12 21:13	VHL	P2K0012
1,4-Dichlorobenzene	BRL	ug/L	380	0.068	1	*8260B	10/31/12 21:13	VHL	P2K0012
Benzene	BRL	ug/L	25	0.072	1	*8260B	10/31/12 21:13	VHL	P2K0012
Carbon Tetrachloride	BRL	ug/L	25	0.12	1	*8260B	10/31/12 21:13	VHL	P2K0012
Chlorobenzene	BRL	ug/L	5000	0.061	1	*8260B	10/31/12 21:13	VHL	P2K0012
Chloroform	BRL	ug/L	300	0.089	1	*8260B	10/31/12 21:13	VHL	P2K0012
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	10000	0.90	1	*8260B	10/31/12 21:13	VHL	P2K0012
Tetrachloroethylene	BRL	ug/L	35	0.069	1	*8260B	10/31/12 21:13	VHL	P2K0012
Trichloroethylene	BRL	ug/L	25	0.054	1	*8260B	10/31/12 21:13	VHL	P2K0012
Vinyl chloride	BRL	ug/L	10	0.16	1	*8260B	10/31/12 21:13	VHL	P2K0012

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*102 %*	*77-123*

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Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0576 - SM6200 B										
Blank (P2J0576-BLK1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-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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Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0576 - SM6200 B										
Blank (P2J0576-BLK1)				Prepared & Analyzed: 10/23/12						
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	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.00*		*104*	*70-130*			
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	21.5	0.50	ug/L	20.00		107	70-130			
1,1,1-Trichloroethane	20.2	0.50	ug/L	20.00		101	70-130			
1,1,2,2-Tetrachloroethane	23.1	0.50	ug/L	20.00		116	70-130			
1,1,2-Trichloroethane	19.9	0.50	ug/L	20.00		100	70-130			
1,1-Dichloroethane	18.9	0.50	ug/L	20.00		94	70-130			
1,1-Dichloroethylene	18.4	0.50	ug/L	20.00		92	70-130			
1,1-Dichloropropylene	17.8	0.50	ug/L	20.00		89	70-130			
1,2,3-Trichlorobenzene	21.1	0.50	ug/L	20.00		106	70-130			
1,2,3-Trichloropropane	23.4	0.50	ug/L	20.00		117	70-130			
1,2,4-Trichlorobenzene	20.6	0.50	ug/L	20.00		103	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/L	20.00		113	70-130			
1,2-Dibromo-3-chloropropane	23.1	2.0	ug/L	20.00		115	70-130			
1,2-Dibromoethane	21.9	0.50	ug/L	20.00		110	70-130			
1,2-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	70-130			
1,2-Dichloroethane	19.6	0.50	ug/L	20.00		98	70-130			
1,2-Dichloropropane	19.6	0.50	ug/L	20.00		98	70-130			
1,3,5-Trimethylbenzene	22.7	0.50	ug/L	20.00		113	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	70-130			
1,3-Dichloropropane	21.3	0.50	ug/L	20.00		106	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/L	20.00		109	70-130			

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Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0576 - SM6200 B										
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
2,2-Dichloropropane	21.3	2.0	ug/L	20.00		107	70-130			
2-Chlorotoluene	22.3	0.50	ug/L	20.00		112	70-130			
4-Chlorotoluene	22.0	0.50	ug/L	20.00		110	70-130			
4-Isopropyltoluene	21.8	0.50	ug/L	20.00		109	70-130			
Acetone	60.0	10	ug/L	40.00		150	40-160			
Benzene	20.1	0.50	ug/L	20.00		100	70-130			
Bromobenzene	21.9	0.50	ug/L	20.00		110	70-130			
Bromochloromethane	19.7	0.50	ug/L	20.00		99	70-130			
Bromodichloromethane	19.5	0.50	ug/L	20.00		97	70-130			
Bromoform	19.7	0.50	ug/L	20.00		99	70-130			
Bromomethane	16.4	1.0	ug/L	20.00		82	60-140			
Carbon Tetrachloride	17.4	0.50	ug/L	20.00		87	70-130			
Chlorobenzene	21.1	0.50	ug/L	20.00		105	70-130			
Chloroethane	20.8	0.50	ug/L	20.00		104	60-140			
Chloroform	19.4	0.50	ug/L	20.00		97	70-130			
Chloromethane	14.6	0.50	ug/L	20.00		73	60-140			
cis-1,2-Dichloroethylene	20.6	0.50	ug/L	20.00		103	70-130			
cis-1,3-Dichloropropylene	21.3	0.50	ug/L	20.00		106	70-130			
Dibromochloromethane	21.9	0.50	ug/L	20.00		110	70-130			
Dibromomethane	19.3	0.50	ug/L	20.00		96	70-130			
Dichlorodifluoromethane	12.8	1.0	ug/L	20.00		64	60-140			
Ethanol	223	200	ug/L	200.0		111	60-140			
Ethylbenzene	21.4	0.50	ug/L	20.00		107	70-130			
Hexachlorobutadiene	20.9	2.0	ug/L	20.00		105	70-130			
Isopropyl Ether	16.9	0.50	ug/L	20.00		85	70-130			
Isopropylbenzene (Cumene)	21.0	0.50	ug/L	20.00		105	70-130			
m,p-Xylenes	45.2	1.0	ug/L	40.00		113	70-130			
Methyl Butyl Ketone (2-Hexanone)	24.8	1.0	ug/L	20.00		124	60-140			
Methyl Ethyl Ketone (2-Butanone)	22.5	5.0	ug/L	20.00		113	60-140			
Methyl Isobutyl Ketone	21.0	1.0	ug/L	20.00		105	60-140			
Methylene Chloride	18.7	2.0	ug/L	20.00		94	70-130			
Methyl-tert-Butyl Ether	18.9	1.0	ug/L	20.00		94	70-130			
Naphthalene	22.5	1.0	ug/L	20.00		112	70-130			
n-Butylbenzene	22.9	0.50	ug/L	20.00		114	70-130			
n-Propylbenzene	22.7	0.50	ug/L	20.00		113	70-130			
o-Xylene	21.6	0.50	ug/L	20.00		108	70-130			
sec-Butylbenzene	22.1	0.50	ug/L	20.00		110	70-130			
Styrene	21.8	0.50	ug/L	20.00		109	70-130			
tert-Butylbenzene	22.3	0.50	ug/L	20.00		112	70-130			
Tetrachloroethylene	21.1	0.50	ug/L	20.00		105	70-130			
Toluene	19.7	0.50	ug/L	20.00		98	70-130			
trans-1,2-Dichloroethylene	20.3	0.50	ug/L	20.00		102	70-130			
trans-1,3-Dichloropropylene	20.8	0.50	ug/L	20.00		104	70-130			
Trichloroethylene	20.1	0.50	ug/L	20.00		101	70-130			
Trichlorofluoromethane	18.2	0.50	ug/L	20.00		91	60-140			
Vinyl acetate	21.9	5.0	ug/L	20.00		110	60-140			

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0576 - SM6200 B										
LCS (P2J0576-BS1)				Prepared & Analyzed: 10/23/12						
Vinyl chloride	18.9	0.50	ug/L	20.00		94	60-140			
Xylenes, total	66.8	1.5	ug/L	60.00		111	70-130			
Surrogate: 4-Bromofluorobenzene	*56.5*		*ug/L*	*50.00*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50.00*		*103*	*70-130*			
LCS Dup (P2J0576-BSD1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	23.6	0.50	ug/L	20.00		118	70-130	9	200	
1,1,1-Trichloroethane	22.5	0.50	ug/L	20.00		113	70-130	11	200	
1,1,2,2-Tetrachloroethane	24.5	0.50	ug/L	20.00		122	70-130	6	200	
1,1,2-Trichloroethane	21.5	0.50	ug/L	20.00		107	70-130	8	200	
1,1-Dichloroethane	21.2	0.50	ug/L	20.00		106	70-130	11	200	
1,1-Dichloroethylene	20.9	0.50	ug/L	20.00		104	70-130	13	200	
1,1-Dichloropropylene	19.8	0.50	ug/L	20.00		99	70-130	10	200	
1,2,3-Trichlorobenzene	23.8	0.50	ug/L	20.00		119	70-130	12	200	
1,2,3-Trichloropropane	24.6	0.50	ug/L	20.00		123	70-130	5	200	
1,2,4-Trichlorobenzene	22.6	0.50	ug/L	20.00		113	70-130	9	200	
1,2,4-Trimethylbenzene	24.4	0.50	ug/L	20.00		122	70-130	8	200	
1,2-Dibromo-3-chloropropane	24.7	2.0	ug/L	20.00		123	70-130	7	200	
1,2-Dibromoethane	23.8	0.50	ug/L	20.00		119	70-130	8	200	
1,2-Dichlorobenzene	23.7	0.50	ug/L	20.00		118	70-130	6	200	
1,2-Dichloroethane	21.3	0.50	ug/L	20.00		106	70-130	8	200	
1,2-Dichloropropane	21.5	0.50	ug/L	20.00		107	70-130	9	200	
1,3,5-Trimethylbenzene	24.6	0.50	ug/L	20.00		123	70-130	8	200	
1,3-Dichlorobenzene	23.9	0.50	ug/L	20.00		120	70-130	7	200	
1,3-Dichloropropane	23.1	0.50	ug/L	20.00		116	70-130	8	200	
1,4-Dichlorobenzene	23.2	0.50	ug/L	20.00		116	70-130	6	200	
2,2-Dichloropropane	23.6	2.0	ug/L	20.00		118	70-130	10	200	
2-Chlorotoluene	24.1	0.50	ug/L	20.00		120	70-130	8	200	
4-Chlorotoluene	23.5	0.50	ug/L	20.00		117	70-130	6	200	
4-Isopropyltoluene	23.6	0.50	ug/L	20.00		118	70-130	8	200	
Acetone	64.0	10	ug/L	40.00		160	40-160	6	200	
Benzene	22.0	0.50	ug/L	20.00		110	70-130	9	200	
Bromobenzene	23.7	0.50	ug/L	20.00		119	70-130	8	200	
Bromochloromethane	21.8	0.50	ug/L	20.00		109	70-130	10	200	
Bromodichloromethane	21.1	0.50	ug/L	20.00		106	70-130	8	200	
Bromoform	21.4	0.50	ug/L	20.00		107	70-130	8	200	
Bromomethane	19.2	1.0	ug/L	20.00		96	60-140	15	200	
Carbon Tetrachloride	19.2	0.50	ug/L	20.00		96	70-130	10	200	
Chlorobenzene	23.3	0.50	ug/L	20.00		117	70-130	10	200	
Chloroethane	23.3	0.50	ug/L	20.00		116	60-140	11	200	
Chloroform	21.7	0.50	ug/L	20.00		109	70-130	12	200	
Chloromethane	16.6	0.50	ug/L	20.00		83	60-140	13	200	
cis-1,2-Dichloroethylene	22.6	0.50	ug/L	20.00		113	70-130	9	200	
cis-1,3-Dichloropropylene	23.3	0.50	ug/L	20.00		117	70-130	9	200	
Dibromochloromethane	24.0	0.50	ug/L	20.00		120	70-130	9	200	
Dibromomethane	20.5	0.50	ug/L	20.00		102	70-130	6	200	

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Project: Alcatel - Raleigh - Groundwater

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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 P2J0576 - SM6200 B										
LCS Dup (P2J0576-BSD1)				Prepared & Analyzed: 10/23/12						
Dichlorodifluoromethane	14.4	1.0	ug/L	20.00		72	60-140	12	200	
Ethanol	244	200	ug/L	200.0		122	60-140	9	200	
Ethylbenzene	23.8	0.50	ug/L	20.00		119	70-130	11	200	
Hexachlorobutadiene	23.9	2.0	ug/L	20.00		119	70-130	13	200	
Isopropyl Ether	18.6	0.50	ug/L	20.00		93	70-130	9	200	
Isopropylbenzene (Cumene)	24.5	0.50	ug/L	20.00		122	70-130	15	200	
m,p-Xylenes	50.1	1.0	ug/L	40.00		125	70-130	10	200	
Methyl Butyl Ketone (2-Hexanone)	25.7	1.0	ug/L	20.00		128	60-140	4	200	
Methyl Ethyl Ketone (2-Butanone)	22.8	5.0	ug/L	20.00		114	60-140	1	200	
Methyl Isobutyl Ketone	21.9	1.0	ug/L	20.00		109	60-140	4	200	
Methylene Chloride	20.8	2.0	ug/L	20.00		104	70-130	10	200	
Methyl-tert-Butyl Ether	20.5	1.0	ug/L	20.00		103	70-130	8	200	
Naphthalene	24.0	1.0	ug/L	20.00		120	70-130	7	200	
n-Butylbenzene	24.8	0.50	ug/L	20.00		124	70-130	8	200	
n-Propylbenzene	24.7	0.50	ug/L	20.00		124	70-130	9	200	
o-Xylene	23.9	0.50	ug/L	20.00		120	70-130	10	200	
sec-Butylbenzene	24.3	0.50	ug/L	20.00		122	70-130	10	200	
Styrene	24.1	0.50	ug/L	20.00		120	70-130	10	200	
tert-Butylbenzene	24.4	0.50	ug/L	20.00		122	70-130	9	200	
Tetrachloroethylene	23.6	0.50	ug/L	20.00		118	70-130	11	200	
Toluene	21.8	0.50	ug/L	20.00		109	70-130	10	200	
trans-1,2-Dichloroethylene	22.6	0.50	ug/L	20.00		113	70-130	10	200	
trans-1,3-Dichloropropylene	22.9	0.50	ug/L	20.00		114	70-130	9	200	
Trichloroethylene	22.5	0.50	ug/L	20.00		113	70-130	11	200	
Trichlorofluoromethane	20.3	0.50	ug/L	20.00		101	60-140	11	200	
Vinyl acetate	22.9	5.0	ug/L	20.00		114	60-140	4	200	
Vinyl chloride	22.0	0.50	ug/L	20.00		110	60-140	15	200	
Xylenes, total	74.0	1.5	ug/L	60.00		123	70-130	10	200	
Surrogate: 4-Bromofluorobenzene	*55.9*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*52.3*		*ug/L*	*50.00*		*105*	*70-130*			

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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 P2J0583 - SM6200 B										
Blank (P2J0583-BLK1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-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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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2J0583 - SM6200 B										
Blank (P2J0583-BLK1)				Prepared & Analyzed: 10/23/12						
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	*26.7*		*ug/L*	*25.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*70-130*			
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20.00		110	70-130			
1,1,1-Trichloroethane	21.4	0.50	ug/L	20.00		107	70-130			
1,1,2,2-Tetrachloroethane	21.1	0.50	ug/L	20.00		106	70-130			
1,1,2-Trichloroethane	19.8	0.50	ug/L	20.00		99	70-130			
1,1-Dichloroethane	19.5	0.50	ug/L	20.00		98	70-130			
1,1-Dichloroethylene	21.6	0.50	ug/L	20.00		108	70-130			
1,1-Dichloropropylene	19.8	0.50	ug/L	20.00		99	70-130			
1,2,3-Trichlorobenzene	19.8	0.50	ug/L	20.00		99	70-130			
1,2,3-Trichloropropane	21.0	0.50	ug/L	20.00		105	70-130			
1,2,4-Trichlorobenzene	18.2	0.50	ug/L	20.00		91	70-130			
1,2,4-Trimethylbenzene	20.7	0.50	ug/L	20.00		104	70-130			
1,2-Dibromo-3-chloropropane	22.0	2.0	ug/L	20.00		110	70-130			
1,2-Dibromoethane	21.8	0.50	ug/L	20.00		109	70-130			
1,2-Dichlorobenzene	20.1	0.50	ug/L	20.00		101	70-130			
1,2-Dichloroethane	21.0	0.50	ug/L	20.00		105	70-130			
1,2-Dichloropropane	19.2	0.50	ug/L	20.00		96	70-130			
1,3,5-Trimethylbenzene	20.9	0.50	ug/L	20.00		104	70-130			
1,3-Dichlorobenzene	20.5	0.50	ug/L	20.00		103	70-130			
1,3-Dichloropropane	20.6	0.50	ug/L	20.00		103	70-130			
1,4-Dichlorobenzene	19.8	0.50	ug/L	20.00		99	70-130			

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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 P2J0583 - SM6200 B										
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
2,2-Dichloropropane	23.0	2.0	ug/L	20.00		115	70-130			
2-Chlorotoluene	20.4	0.50	ug/L	20.00		102	70-130			
4-Chlorotoluene	20.4	0.50	ug/L	20.00		102	70-130			
4-Isopropyltoluene	20.3	0.50	ug/L	20.00		102	70-130			
Acetone	57.7	10	ug/L	40.00		144	40-160			
Benzene	20.1	0.50	ug/L	20.00		101	70-130			
Bromobenzene	20.1	0.50	ug/L	20.00		101	70-130			
Bromochloromethane	20.9	0.50	ug/L	20.00		105	70-130			
Bromodichloromethane	21.5	0.50	ug/L	20.00		107	70-130			
Bromoform	24.3	0.50	ug/L	20.00		121	70-130			
Bromomethane	19.3	1.0	ug/L	20.00		96	60-140			
Carbon Tetrachloride	22.7	0.50	ug/L	20.00		114	70-130			
Chlorobenzene	20.0	0.50	ug/L	20.00		100	70-130			
Chloroethane	19.5	0.50	ug/L	20.00		98	60-140			
Chloroform	20.5	0.50	ug/L	20.00		103	70-130			
Chloromethane	16.6	0.50	ug/L	20.00		83	60-140			
cis-1,2-Dichloroethylene	20.9	0.50	ug/L	20.00		105	70-130			
cis-1,3-Dichloropropylene	23.2	0.50	ug/L	20.00		116	70-130			
Dibromochloromethane	22.9	0.50	ug/L	20.00		115	70-130			
Dibromomethane	19.7	0.50	ug/L	20.00		98	70-130			
Dichlorodifluoromethane	19.3	1.0	ug/L	20.00		97	60-140			
Ethanol	229	200	ug/L	200.0		114	60-140			
Ethylbenzene	21.1	0.50	ug/L	20.00		106	70-130			
Hexachlorobutadiene	18.0	2.0	ug/L	20.00		90	70-130			
Isopropyl Ether	15.2	0.50	ug/L	20.00		76	70-130			
Isopropylbenzene (Cumene)	21.3	0.50	ug/L	20.00		106	70-130			
m,p-Xylenes	43.4	1.0	ug/L	40.00		108	70-130			
Methyl Butyl Ketone (2-Hexanone)	22.8	1.0	ug/L	20.00		114	60-140			
Methyl Ethyl Ketone (2-Butanone)	23.9	5.0	ug/L	20.00		120	60-140			
Methyl Isobutyl Ketone	20.2	1.0	ug/L	20.00		101	60-140			
Methylene Chloride	19.1	2.0	ug/L	20.00		95	70-130			
Methyl-tert-Butyl Ether	15.7	1.0	ug/L	20.00		78	70-130			
Naphthalene	19.2	1.0	ug/L	20.00		96	70-130			
n-Butylbenzene	20.5	0.50	ug/L	20.00		103	70-130			
n-Propylbenzene	21.5	0.50	ug/L	20.00		107	70-130			
o-Xylene	21.5	0.50	ug/L	20.00		107	70-130			
sec-Butylbenzene	21.0	0.50	ug/L	20.00		105	70-130			
Styrene	21.4	0.50	ug/L	20.00		107	70-130			
tert-Butylbenzene	21.4	0.50	ug/L	20.00		107	70-130			
Tetrachloroethylene	19.8	0.50	ug/L	20.00		99	70-130			
Toluene	19.7	0.50	ug/L	20.00		98	70-130			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20.00		105	70-130			
trans-1,3-Dichloropropylene	23.8	0.50	ug/L	20.00		119	70-130			
Trichloroethylene	20.0	0.50	ug/L	20.00		100	70-130			
Trichlorofluoromethane	21.1	0.50	ug/L	20.00		105	60-140			
Vinyl acetate	23.2	5.0	ug/L	20.00		116	60-140			

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AMEC Env. & Infrastructure Inc (Durham)
Attn: Bonani Langan
4021 Stirrup Creek Drive Suite 100
Durham, NC 27703

Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0583 - SM6200 B										
LCS (P2J0583-BS1)				Prepared & Analyzed: 10/23/12						
Vinyl chloride	21.0	0.50	ug/L	20.00		105	60-140			
Xylenes, total	64.9	1.5	ug/L	60.00		108	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/L*	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*70-130*			
LCS Dup (P2J0583-BSD1)				Prepared & Analyzed: 10/23/12						
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/L	20.00		114	70-130	3	200	
1,1,1-Trichloroethane	22.6	0.50	ug/L	20.00		113	70-130	6	200	
1,1,2,2-Tetrachloroethane	21.7	0.50	ug/L	20.00		109	70-130	3	200	
1,1,2-Trichloroethane	20.8	0.50	ug/L	20.00		104	70-130	5	200	
1,1-Dichloroethane	20.8	0.50	ug/L	20.00		104	70-130	6	200	
1,1-Dichloroethylene	22.9	0.50	ug/L	20.00		114	70-130	6	200	
1,1-Dichloropropylene	20.6	0.50	ug/L	20.00		103	70-130	4	200	
1,2,3-Trichlorobenzene	21.6	0.50	ug/L	20.00		108	70-130	8	200	
1,2,3-Trichloropropane	21.5	0.50	ug/L	20.00		108	70-130	2	200	
1,2,4-Trichlorobenzene	19.4	0.50	ug/L	20.00		97	70-130	6	200	
1,2,4-Trimethylbenzene	22.3	0.50	ug/L	20.00		112	70-130	7	200	
1,2-Dibromo-3-chloropropane	23.0	2.0	ug/L	20.00		115	70-130	4	200	
1,2-Dibromoethane	22.5	0.50	ug/L	20.00		112	70-130	3	200	
1,2-Dichlorobenzene	21.4	0.50	ug/L	20.00		107	70-130	6	200	
1,2-Dichloroethane	21.5	0.50	ug/L	20.00		107	70-130	2	200	
1,2-Dichloropropane	20.1	0.50	ug/L	20.00		101	70-130	5	200	
1,3,5-Trimethylbenzene	22.6	0.50	ug/L	20.00		113	70-130	8	200	
1,3-Dichlorobenzene	22.0	0.50	ug/L	20.00		110	70-130	7	200	
1,3-Dichloropropane	21.4	0.50	ug/L	20.00		107	70-130	3	200	
1,4-Dichlorobenzene	20.9	0.50	ug/L	20.00		105	70-130	6	200	
2,2-Dichloropropane	23.6	2.0	ug/L	20.00		118	70-130	3	200	
2-Chlorotoluene	22.1	0.50	ug/L	20.00		110	70-130	8	200	
4-Chlorotoluene	21.9	0.50	ug/L	20.00		110	70-130	7	200	
4-Isopropyltoluene	21.6	0.50	ug/L	20.00		108	70-130	6	200	
Acetone	60.9	10	ug/L	40.00		152	40-160	5	200	
Benzene	21.3	0.50	ug/L	20.00		107	70-130	6	200	
Bromobenzene	21.0	0.50	ug/L	20.00		105	70-130	4	200	
Bromochloromethane	21.2	0.50	ug/L	20.00		106	70-130	1	200	
Bromodichloromethane	22.0	0.50	ug/L	20.00		110	70-130	2	200	
Bromoform	24.7	0.50	ug/L	20.00		123	70-130	2	200	
Bromomethane	20.9	1.0	ug/L	20.00		104	60-140	8	200	
Carbon Tetrachloride	23.8	0.50	ug/L	20.00		119	70-130	5	200	
Chlorobenzene	21.0	0.50	ug/L	20.00		105	70-130	5	200	
Chloroethane	21.4	0.50	ug/L	20.00		107	60-140	10	200	
Chloroform	21.1	0.50	ug/L	20.00		106	70-130	3	200	
Chloromethane	18.7	0.50	ug/L	20.00		94	60-140	12	200	
cis-1,2-Dichloroethylene	22.2	0.50	ug/L	20.00		111	70-130	6	200	
cis-1,3-Dichloropropylene	24.4	0.50	ug/L	20.00		122	70-130	5	200	
Dibromochloromethane	23.4	0.50	ug/L	20.00		117	70-130	2	200	
Dibromomethane	20.8	0.50	ug/L	20.00		104	70-130	6	200	

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Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0583 - SM6200 B										
LCS Dup (P2J0583-BSD1)				Prepared & Analyzed: 10/23/12						
Dichlorodifluoromethane	21.2	1.0	ug/L	20.00		106	60-140	9	200	
Ethanol	239	200	ug/L	200.0		119	60-140	4	200	
Ethylbenzene	22.3	0.50	ug/L	20.00		111	70-130	5	200	
Hexachlorobutadiene	19.6	2.0	ug/L	20.00		98	70-130	8	200	
Isopropyl Ether	16.1	0.50	ug/L	20.00		81	70-130	6	200	
Isopropylbenzene (Cumene)	22.8	0.50	ug/L	20.00		114	70-130	7	200	
m,p-Xylenes	46.1	1.0	ug/L	40.00		115	70-130	6	200	
Methyl Butyl Ketone (2-Hexanone)	24.0	1.0	ug/L	20.00		120	60-140	5	200	
Methyl Ethyl Ketone (2-Butanone)	25.5	5.0	ug/L	20.00		127	60-140	6	200	
Methyl Isobutyl Ketone	21.4	1.0	ug/L	20.00		107	60-140	6	200	
Methylene Chloride	20.1	2.0	ug/L	20.00		100	70-130	5	200	
Methyl-tert-Butyl Ether	16.3	1.0	ug/L	20.00		81	70-130	4	200	
Naphthalene	21.1	1.0	ug/L	20.00		106	70-130	9	200	
n-Butylbenzene	21.9	0.50	ug/L	20.00		110	70-130	7	200	
n-Propylbenzene	22.7	0.50	ug/L	20.00		114	70-130	6	200	
o-Xylene	22.8	0.50	ug/L	20.00		114	70-130	6	200	
sec-Butylbenzene	22.5	0.50	ug/L	20.00		113	70-130	7	200	
Styrene	22.9	0.50	ug/L	20.00		114	70-130	6	200	
tert-Butylbenzene	22.9	0.50	ug/L	20.00		115	70-130	7	200	
Tetrachloroethylene	21.3	0.50	ug/L	20.00		106	70-130	7	200	
Toluene	21.0	0.50	ug/L	20.00		105	70-130	6	200	
trans-1,2-Dichloroethylene	22.1	0.50	ug/L	20.00		110	70-130	5	200	
trans-1,3-Dichloropropylene	24.7	0.50	ug/L	20.00		124	70-130	4	200	
Trichloroethylene	21.4	0.50	ug/L	20.00		107	70-130	7	200	
Trichlorofluoromethane	22.3	0.50	ug/L	20.00		111	60-140	6	200	
Vinyl acetate	21.1	5.0	ug/L	20.00		106	60-140	9	200	
Vinyl chloride	22.8	0.50	ug/L	20.00		114	60-140	9	200	
Xylenes, total	68.9	1.5	ug/L	60.00		115	70-130	6	200	
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/L*	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.0*		*ug/L*	*25.00*		*100*	*70-130*			

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Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

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 P2J0595 - 5030B										
Blank (P2J0595-BLK1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P2J0595-BS1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	22.6	3.0	ug/L	20.00		113	55-145			
LCS Dup (P2J0595-BSD1)				Prepared & Analyzed: 10/24/12						
1,4-Dioxane	20.7	3.0	ug/L	20.00		104	55-145	9	30	
Batch P2J0638 - 5030B										
Blank (P2J0638-BLK1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P2J0638-BS1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	20.0	3.0	ug/L	20.00		100	55-145			
LCS Dup (P2J0638-BSD1)				Prepared & Analyzed: 10/25/12						
1,4-Dioxane	21.3	3.0	ug/L	20.00		106	55-145	6	30	
Matrix Spike (P2J0638-MS1)		**Source: 2100622-09**		Prepared: 10/25/12 Analyzed: 10/26/12						
1,4-Dioxane	279	30	ug/L	200.0	17.3	131	55-145			
Matrix Spike Dup (P2J0638-MSD1)		**Source: 2100622-09**		Prepared: 10/25/12 Analyzed: 10/26/12						
1,4-Dioxane	310	30	ug/L	200.0	17.3	146	55-145	10	30	M

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Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

TCLP 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 P2K0012 - 5030B										
Blank (P2K0012-BLK1)				Prepared & Analyzed: 10/31/12						
1,1-Dichloroethylene	BRL	35	ug/L							
1,2-Dichloroethane	BRL	25	ug/L							
1,4-Dichlorobenzene	BRL	380	ug/L							
Benzene	BRL	25	ug/L							
Carbon Tetrachloride	BRL	25	ug/L							
Chlorobenzene	BRL	5000	ug/L							
Chloroform	BRL	300	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	10000	ug/L							
Tetrachloroethylene	BRL	35	ug/L							
Trichloroethylene	BRL	25	ug/L							
Vinyl chloride	BRL	10	ug/L							
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/L*	*25.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/L*	*25.00*		*101*	*75-129*			
Surrogate: Toluene-d8	*26.3*		*ug/L*	*25.00*		*105*	*77-123*			
LCS (P2K0012-BS1)				Prepared & Analyzed: 10/31/12						
1,1-Dichloroethylene	21.9	35	ug/L	20.00		110	70-154			
1,2-Dichloroethane	21.3	25	ug/L	20.00		106	68-131			
1,4-Dichlorobenzene	21.7	380	ug/L	20.00		108	75-126			
Benzene	21.7	25	ug/L	20.00		109	77-128			
Carbon Tetrachloride	20.0	25	ug/L	20.00		100	72-142			
Chlorobenzene	21.8	5000	ug/L	20.00		109	78-119			
Chloroform	21.6	300	ug/L	20.00		108	77-130			
Methyl Ethyl Ketone (2-Butanone)	23.1	10000	ug/L	20.00		116	71-134			
Tetrachloroethylene	20.6	35	ug/L	20.00		103	80-129			
Trichloroethylene	20.2	25	ug/L	20.00		101	77-133			
Vinyl chloride	21.7	10	ug/L	20.00		108	57-141			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.00*		*98*	*80-124*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*25.1*		*ug/L*	*25.00*		*100*	*77-123*			

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Project: Alcatel - Raleigh - Groundwater

Prism Work Order: 2100622
Time Submitted: 10/23/2012 7:05:00AM

TCLP 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 P2K0012 - 5030B										
LCS Dup (P2K0012-BSD1)				Prepared & Analyzed: 10/31/12						
1,1-Dichloroethylene	17.5	35	ug/L	20.00		87	70-154	23	200	
1,2-Dichloroethane	19.4	25	ug/L	20.00		97	68-131	9	200	
1,4-Dichlorobenzene	19.7	380	ug/L	20.00		99	75-126	10	200	
Benzene	19.4	25	ug/L	20.00		97	77-128	11	200	
Carbon Tetrachloride	18.0	25	ug/L	20.00		90	72-142	10	200	
Chlorobenzene	20.2	5000	ug/L	20.00		101	78-119	8	200	
Chloroform	19.5	300	ug/L	20.00		98	77-130	10	200	
Methyl Ethyl Ketone (2-Butanone)	23.3	10000	ug/L	20.00		117	71-134	0.9	200	
Tetrachloroethylene	18.9	35	ug/L	20.00		94	80-129	9	200	
Trichloroethylene	18.0	25	ug/L	20.00		90	77-133	11	200	
Vinyl chloride	19.3	10	ug/L	20.00		96	57-141	12	200	
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/L*	*25.00*		*100*	*80-124*			
Surrogate: Dibromofluoromethane	*24.5*		*ug/L*	*25.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*25.7*		*ug/L*	*25.00*		*103*	*77-123*			

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Sample Extraction Data

Prep Method: 1311

Lab Number	Batch	Initial	Final	Date/Time
2100622-16	P2J0679	25 g	500 mL	10/29/12 16:30
2100622-17	P2J0679	25 g	500 mL	10/29/12 16:30
2100622-18	P2J0679	25 g	500 mL	10/29/12 16:30
2100622-19	P2J0701	25 g	500 mL	10/30/12 15:45

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
2100622-16	P2K0012	10 mL	10 mL	10/31/12 9:49
2100622-17	P2K0012	10 mL	10 mL	10/31/12 9:49
2100622-18	P2K0012	10 mL	10 mL	10/31/12 9:49
2100622-19	P2K0012	10 mL	10 mL	10/31/12 9:49

Prep Method: SM6200 B

Lab Number	Batch	Initial	Final	Date/Time
2100622-01	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-02	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-03	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-04	P2J0576	10 mL	10 mL	10/23/12 8:24
2100622-05	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-05	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-06	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-07	P2J0576	10 mL	10 mL	10/23/12 8:24
2100622-08	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-09	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-10	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-11	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-11	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-12	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-13	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-14	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-15	P2J0583	10 mL	10 mL	10/23/12 9:16
2100622-15	P2J0583	10 mL	10 mL	10/23/12 9:16

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
2100622-01	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-02	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-03	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-04	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-05	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-06	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-07	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-08	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-09	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-10	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-11	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-12	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-13	P2J0595	10 mL	10 mL	10/24/12 11:04
2100622-14	P2J0638	10 mL	10 mL	10/25/12 9:07
2100622-15	P2J0638	10 mL	10 mL	10/25/12 9:07

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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

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

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

CHAIN OF CUSTODY RECORD

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

Client Company Name: AMEC
Report To/Contact Name: BONANI LANGAN
Reporting Address: 4021 STIRRUP CREEK DR #100 Durham, NC 27704
Phone: _____ Fax (Yes) (No): _____
Email (Yes) (No) Email Address: Bonani.Langan@amec.com
EDD Type: PDF X Excel ___ Other _____
Site Location Name: ALCATEL
Site Location Physical Address: RALEIGH, NC

Project Name: ALCATEL
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: BONANI LANGAN
Address: SAME

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

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 3.3	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

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

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	6200 VOC	1,4-Dioxane					REMARKS	PRISM LAB ID NO.
TRIP BLANK	N/A	N/A	WATER	VOA	2	40 ml	HCl	X	X	per Bonani Langan May/PRISM					01
EQUIPMENT BLANK	10/22/12	1650	WATER	VOA	6	40 ml	HCl	X	X						02
MW-20I	10/22/12	0809	WATER	VOA	6	40 ml	HCl	X	X						03
DUP02	10/22/12	0809	WATER	VOA	6	40 ml	HCl	X	X						04
MW-21I	10/22/12	0906	WATER	VOA	6	40 ml	HCl	X	X						05
MW-18I	10/22/12	1007	WATER	VOA	6	40 ml	HCl	X	X						06
MW-2DR	10/22/12	1138	WATER	VOA	6	40 ml	HCl	X	X						07
MW-12DK	10/22/12	1247	WATER	VOA	6	40 ml	HCl	X	X						08
MW-9DK	10/22/12	1331	WATER	VOA	6	40 ml	HCl	X	X						09
MW-9SK	10/22/12	1330	WATER	VOA	6	40 ml	HCl	X	X						10

Sampler's Signature _____ Sampled By (Print Name) MIKE MCKENNA 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.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
		10/22/12	17:00
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date	
		10/23/12	07:05

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. 210622

Additional Comments:

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

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

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

SEE REVERSE FOR TERMS & CONDITIONS

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CHAIN OF CUSTODY RECORD

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Phone: _____ Fax (Yes) (No): _____
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MW-2LK	10/22/12	1040	WATER	VOA	6	40 ml	HCl	X	X						11
MW-3SK	10/22/12	1130	WATER	VOA	6	40 ml	HCl	X	X						12
MW-5SK	10/22/12	0915	WATER	VOA	6	40 ml	HCl	X	X						13
MW-2SK	10/22/12	1000	WATER	VOA	6	40 ml	HCl	X	X						14
MW-3DK	10/22/12	1215	WATER	VOA	6	40 ml	HCl	X	X						15
DCOMP01	10/22/12	0700	SOIL	G	1	8 oz	NONE			X					16
DCOMP02	10/22/12	0705	SOIL	G	1	8 oz	NONE			X					17
DCOMP03	10/22/12	0710	SOIL	G	1	8 oz	NONE			X					18
DCOMP04	10/22/12	0715	SOIL	G	1	8 oz	NONE			X					19

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature M. M. Sampled By (Print Name) MICHAEL MICELLA Affiliation AMEC

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M. M.	[signature]	10/22/12	17:00
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	Date 10/23/12	07:05

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COC Group No. 210622

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other _____

Additional Comments:

PRISM USE ONLY
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Site Departure Time:
Field Tech Fee:
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CODES:	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

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